

# RADOLEK

*Everything in Radio*



50 WATT P.A. SYSTEM  
See Pages 78 and 79

1942

RADIO  
PROFIT  
GUIDE



## RADOLEK COMPANY

601 West Randolph Street, Chicago, Illinois



# Frequency Modulation Radio Receptor!

Radio's  
Newest  
Advancement

F.M.  
on  
Any Radio

## An F. M. Tuning Unit for use with any AM Radio Receiver or Sound Amplifier

Must be used with either of above as it is not a complete receiver by itself

F. M. (Frequency Modulated Transmission) marks a step in the progress of radio that ranks along with the invention of the three element vacuum tube, regenerative circuit, cascade amplification and the super-heterodyne circuit. F. M. is without doubt one of the great major achievements in Radio.

F. M. provides for the first time absolutely true tones with static free reception. Much has been said in the past about "true fidelity of tone" and "no-static" radio programs but until the introduction of F. M. such reception was impossible. F. M. reproduces the entire audible tone range at volume levels from a dead silence to the loudest symphonic fortissimo with practically perfect fidelity. The tinkle of a glass, the scratching and flare of a match and other sounds that are completely lost or distorted with A. M. (Amplitude Modulation) are readily recognizable and exactly reproduced over F. M. All overtones of the violin, piano, symbols, etc. are faithfully reproduced into the full bodied rich music that these instruments are capable of producing. The magic carpet of F. M. transforms your easy chair into an orchestra seat at the concert hall.

### For Use With Any Receiver!

Thousands of owners of high quality A. M. radio receivers will welcome this low cost method of adding to their present sets the finest F. M. reception. Also, present war conditions will no doubt make it impossible or impractical for many of those who are always the first to own the newest equipment to obtain for an indefinite time new model combination A. M.-F. M. Radio Receivers. Here's the practical answer to the demand for Frequency Modulation reception with present high quality A. M. receivers—a complete, self-powered, 8 tube converter-receptor, designed to provide F. M. reception when used with any regular type receiver! All the unbelievable magic of true "high-fidelity," staticless, noise-free and interference-free reproduction characteristic of the Frequency Modulation system of radio broadcasting, can be yours simply by adding this perfect converter to your present set! To obtain the full benefit of the remarkable reception possible with F. M., this converter should be connected to a high quality Audio System such as is found in the better radio sets or Sound Amplifiers. See pages 74 and 75 for Sound Amplifiers suitable for use on F. M.

### Engineered For High Fidelity F-M

This new instrument contains a complete "front end,"—specially designed for Frequency Modulation reception from antennas to audio input. Includes high-gain R-F stage, mixer-oscillator, two-stage I-F channel, limiter, discriminator and second detector. Output connects to audio input of regular receiver. The power output and tonal quality available are limited only by the capabilities of the audio equipment in the regular receiver or other Sound Amplifying equipment.

### Compact Modern Styling

This F. M. Receptor is Meissner built, Armstrong licensed. It is extremely compact in size and absolutely modern in appearance. The extreme simplicity of design will conform well to most styles of present cabinets. The base area of the two toned walnut cabinet is only 12" wide and 6 1/2" deep—small enough to fit comfortably on top of any console or table model receiver with which it may be used. The overall height is only seven inches, making a compact unit of graceful and eye-pleasing proportions.



E17699—Meissner F-M Receptor. Complete with tubes, and detailed installation, operating, and servicing instructions. For 110 volt 60 cycle AC operation.

LIST PRICE

Regular Dealer Discounts Apply

\$44<sup>95</sup>

### Quick-Easy Installation

Installation and connections are simple—terminals on the rear of the Receptor chassis provide for antenna and ground connection. A single shielded wire projecting from the rear of the unit connects to the regular "phono" terminals. These terminals may also be marked "Television" or, in recent models "F-M". Plugging the power cord of the Receptor into any 110-volt, 60 cycle receptacle completes the connection and installation of the unit! The Receptor is furnished complete and ready to operate with full set of tubes and detailed simple instructions for installation, operation and servicing, including circuit diagram and voltage chart. Does not interfere with A. M. reception on sets with which it is used. With proper Aerial reception can be instantly switched from A. M. to F. M. and vice versa as desired. F. M. Stations are now operating on regular schedules in many parts of the country and present plans are to have stations so located that the entire country will be blanketed with F. M. broadcasts. Under present war conditions the many advantages of F. M. with its shorter range and hence, comparative privacy, should hasten this expansion.

## Utah Baflex Reproducers For F-M Reception

For Best High Fidelity Reproduction from F-M Receivers

For use where best reproduction of complete F-M audio tone range is desired. Incorporates the latest developments and improvements for high fidelity reproduction of music and voice. All back radiation has been eliminated. Base response greatly improved. High frequency response up to 9500 cycles is clear and without cabinet resonance or vibration distortion. Cabinets are sturdy in construction and attractively finished in two tone satin bronze. Comes complete with speaker, but less output transformer.

Stock Num.	Cone Dia. Wt.	Magn. Imp.	V.C. Norm.	Imp. Max	Watts Max	Overall Size	List Price	Your Price
E15663	8"	20 oz.	8	12	15	11 1/4 x 17-3/4 x 24"	\$37.00	\$21.76
E15664	8"	31 oz.	8	12	18	11 1/4 x 17-3/4 x 24"	40.00	23.52
E15665	12"	46 oz.	8	17	26	12-3/4 x 22-1/2 x 31"	58.00	34.10
E15666	12"	7 lbs.	8	22	33	12-3/4 x 22-1/2 x 31"	77.00	45.28

See Page 62 for complete listing of output transformers

## SPECIAL NOTICE Regarding Price Changes

The prices in this catalog are based on quotations made to us as of approximately January 10, 1942. Authoritative Federal Agencies are endeavoring to stabilize prices in the Radio Field. All sources of supply generally are co-operating with this price stabilization program. For that reason we anticipate that prices quoted in this catalog can be held in effect for sometime.

However, we must reserve the right to revise quotations made in this catalog in accordance with such price revisions as may be necessary due to changes in costs or other factors beyond our control. Radolek pledges that it will keep prices at the lowest possible levels consistent with present conditions. You can depend on Radolek for fair dealing, lowest prices and speedy accurate service.

## Vertrod Dipole F. M. Aerials

To obtain the finest possible results from your F. M. Converter or Receiver, use an aerial that has been especially designed and engineered to operate on the F. M. frequencies. Vertrod provides the nearest approach yet evolved to complete freedom from man made static and at the same time provides greatest efficiency on all frequencies. The Vertrod has two adjustable elements whose positions are variable for vertical and horizontal polarization as well as for compensation against reflections. Complete instructions included. See Page 39 for other aerials suitable for use on F. M.

### Model V-300

A Universal Aerial designed for those who wish to use only one aerial to cover the entire radio band. Gives excellent results on F-M and Short Wave Bands as well as Standard Broadcast Bands. More efficient for general use than type V-400 as it incorporates iron core antenna and set matching transformers. Also supplied are:—One 2 sec. 8' ash mounting mast, two adj. signal pick-up elements, 50' of high efficiency transposed lead-in, 20' of ground wire and ground clamp.

E15888 — Model V-300. Your Price \$1088

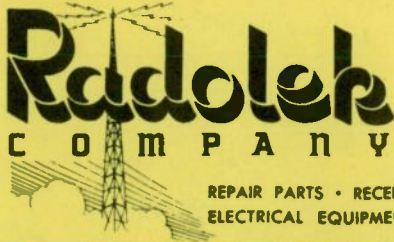
### Model V-400

For finest results on F. M. Reception use this aerial. May also be used for television, 5 and 10 meter and short range Standard Broadcast reception. Consists of:—One 2 sec. 8' ash mounting mast, two adj. signal pick-up elements and 50' high efficiency transposed lead.

E15889 — Model V-400. YOUR PRICE \$735







LONG DISTANCE TELEPHONE MONROE 3434

*Specializing in Radio*

REPAIR PARTS • RECEIVERS • TUBES • TOOLS • BOOKS • PUBLIC ADDRESS  
ELECTRICAL EQUIPMENT • TEST EQUIPMENT • ELECTRICAL APPLIANCES

wholesale distributors and manufacturers

WALTER C. BRAUN, President

601 West Randolph Street  
CHICAGO, ILLINOIS

This Is The  
Radolek War Book:

1942

Radio Receivers in the home are a modern wartime necessity. The production of new radio receivers is already drastically curtailed, with further reductions anticipated because of restrictions in the use of vital materials and the shifting of manufacturing capacity to military needs. Therefore, Radio Service now assumes a greater importance than ever before. The radio receivers already in use must be kept in operation.

It is the duty of every Radio Serviceman to take care of the additional demand for Radio Service that will be increasingly made upon him. To help in that accomplishment Radolek offers extra repair services for speakers, transformers, meters, coils, etc. and is ready to do its share in taking care of the greater demand for Radio Service by supplying promptly, in such quantities as may be available, the materials required for servicing radio receivers.

We expect to be able to supply our customers with repair materials so that radio receivers can be maintained in every home. We also expect to supply radio specialty materials needed for essential Defense and maintenance uses that have priority ratings.

PRICES probably will be reasonably stable. But some adjustments no doubt will be necessary because of further government restrictions and taxes or other causes beyond our control. Radolek pledges itself to supply merchandise at the lowest possible prices consistent with present conditions.

Schools, law enforcement organizations, government divisions and manufacturing plants engaged in defense work and others who have priority ratings should so specify on their orders and supply priority certificate if available.

In these war times we must all do our utmost to achieve victory and a lasting peace. The Radio Fraternity will be an important factor in attaining that goal. Radolek, its officers and employees promise their full measure of co-operation.

Yours very truly,

*W.C. Braun* President  
THE RADOLEK COMPANY

THE AMERICAN CATHOLIC  
*Magazine*  
 1907

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# PHILCO • RAYTHEON • RCA



## Specify Brand Wanted

During the present "Emergency" it probably will be impossible for us to supply every type of tube in all brands listed. Each manufacturer does not have all types. But we feel confident that every type will be available in one brand or another and most types in the brand of your preference.

## Radio Tube List Prices

When this catalog went to press TUBE LIST PRICES for some manufacturers were undergoing revision. Therefore, show below List Prices—for corresponding types—in effect on Philco Tubes as of January 1, 1942. Equivalent list prices are shown for types Philco do not list.

List and Net Prices on Radio Tubes are subject to market revisions

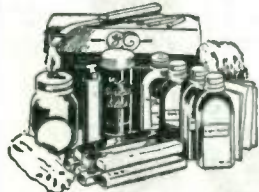
Type Number	List Price	Your Price, Ea.		Type Number	List Price	Your Price, Ea.		Type Number	List Price	Your Price, Ea.	
		1-14	15-Up			1-14	15-Up			1-14	15-Up
00A	\$2.45	\$1.44	\$1.30	6AC7	\$2.45	\$1.44	\$1.30	6W7G	\$1.65	\$0.97	\$0.87
0A4G	2.00	1.18	1.06	6AD6G	1.65	.97	.87	6X5	1.65	.97	.87
02A	1.65	.97	.87	6AD7G	1.65	.97	.87	6X5GT/G	1.00	.59	.53
024G	1.65	.97	.87	6AE5GT/G	1.35	.79	.71	6Y6G	1.65	.97	.87
03A	.90	.53	.47	6AE6G	1.35	.79	.71	6Z7G	1.65	.97	.87
1A4P	1.65	.97	.87	6AE7GT	1.35	.79	.71	6Z7GT	2.00	1.18	1.06
1A4T	1.65	.97	.87								
1A5GT/G	1.10	.65	.58	6AF5G	1.35	.79	.71	7A4	1.35	.79	.71
1A6	1.35	.79	.71	6AF6G	1.65	.97	.87	7A5	1.35	.79	.71
1A7G	1.65	.97	.87	6AG7	2.45	1.44	1.30	7A6	1.35	.79	.71
1A7T	1.35	.79	.71	6B4G	2.00	1.18	1.06	7A8	1.35	.79	.71
1B4P	1.65	.97	.87	6B5	2.00	1.18	1.06	7B4	1.35	.79	.71
1B5 2S5	1.35	.79	.71	6B6G	1.10	.65	.58	7B5	1.35	.79	.71
1B7G	1.35	.79	.71	6B7	1.35	.79	.71				
1B7GT	1.35	.79	.71	6B8	2.00	1.18	1.06	7B6	1.35	.79	.71
1C5GT/G	1.35	.79	.71	6B8G	1.35	.79	.71	7B7	1.35	.79	.71
1C6	1.35	.79	.71	6C5	1.10	.65	.58	7B8	1.35	.79	.71
1C7G	1.35	.79	.71	6C5G	1.00	.59	.53	7C5	1.35	.79	.71
1D5GP	1.35	.79	.71	6C5GT	1.00	.59	.53	7C6	1.35	.79	.71
1D5GT	1.35	.79	.71	6C6	1.00	.59	.53	7C7	1.35	.79	.71
1D7G	1.65	.97	.87	6C8G	1.65	.97	.87	7E6	1.35	.79	.71
1D8GT	2.00	1.18	1.06	6D6	1.00	.59	.53	7E7	1.65	.97	.87
1E4G	1.35	.79	.71	6D8G	1.65	.97	.87	7F7	1.65	.97	.87
1E5GP	1.65	.97	.87	6E5	1.10	.65	.58	7G7/1232	2.00	1.18	1.06
1E7G	2.45	1.44	1.30	6E6	2.00	1.18	1.06	7H7	2.00	1.18	1.06
1F4	1.35	.79	.71	6F5	1.10	.65	.58	7J7	2.00	1.18	1.06
1F5G	1.35	.79	.71	6F5G	1.10	.65	.58	7K7	2.00	1.18	1.06
1F6	1.65	.97	.87	6F5GT	1.00	.59	.53	7L7	2.00	1.18	1.06
1F7G	1.65	.97	.87	6F6	1.10	.65	.58	7N7	2.00	1.18	1.06
1G4GT/G	1.35	.79	.71	6F6G	.90	.53	.48	7Q7	1.35	.79	.71
1G5G	1.35	.79	.71	6F7	1.65	.97	.87	7R7	2.00	1.18	1.06
1G6GT/G	1.65	.97	.87	6F8G	1.35	.79	.71	7S7	2.00	1.18	1.06
1H3G	1.00	.59	.53	6G6G	1.35	.79	.71	7V7	2.45	1.44	1.30
1H5G	1.35	.79	.71	6H4GT	2.00	1.18	1.06	7Y4	1.35	.79	.71
1H5GT	1.10	.65	.58	6H6	2.00	1.18	1.06	7Z4	1.35	.79	.71
1H6G	1.35	.79	.71	6H6GT/G	1.10	.65	.58				
1J5G	2.00	1.18	1.06	6J5	.90	.53	.48	10A	2.95	1.73	1.56
1J6G	2.45	1.44	1.30	6J5GT	.90	.53	.48	12A5	2.45	1.44	1.30
1L4A	2.45	1.44	1.30	6J7G	1.35	.79	.71	12A7	2.00	1.18	1.06
1LA6	2.45	1.44	1.30	6J7GT	1.10	.65	.58	12A8G	1.35	.79	.71
1LB4	2.45	1.44	1.30	6J8G	1.65	.97	.87	12A8GT	1.00	.59	.53
1LC5	2.45	1.44	1.30					12B8GT	1.65	.97	.87
1LC6	2.45	1.44	1.30	6K5G	1.10	.65	.58	12C8	2.00	1.18	1.06
1LD5	2.45	1.44	1.30	6K5GT	1.10	.65	.58	12F5GT	1.00	.59	.53
1LE3	2.00	1.18	1.06	6K6GT/G	1.00	.59	.53	12J5GT	1.00	.59	.53
1LH4	2.45	1.44	1.30	6K7	1.10	.65	.58	12J7GT	1.00	.59	.53
1LN5	2.45	1.44	1.30	6K7G	1.10	.65	.58	12K7G	1.35	.79	.71
1NSG	1.65	.97	.87	6K7GT	1.00	.59	.53	12K7GT	1.00	.59	.53
1NSGT	1.35	.79	.71	6K8	1.35	.79	.71	12K8	1.65	.97	.87
1N6G	1.35	.79	.71	6K8G	1.35	.79	.71	12K8GT	1.35	.79	.71
1P5G	1.65	.97	.87	6K8GT	1.35	.79	.71	12Q7G	1.35	.79	.71
1P5GT	1.65	.97	.87	6L5G	1.10	.65	.58	12Q7GT	.90	.53	.48
1Q5GT/G	1.65	.97	.87	6L6	2.00	1.18	1.06	12S4T	1.00	.59	.53
1R5G	1.65	.97	.87	6L6GT	2.00	1.18	1.06	GT/G	1.35	.79	.71
1S4	1.65	.97	.87	6L7	1.65	.97	.87	12SC7	1.35	.79	.71
1S5	1.65	.97	.87								
1T4	1.65	.97	.87	6N6G	2.45	1.44	1.30	12SF5	1.10	.65	.58
1T5GT	1.65	.97	.87	6N7	1.65	.97	.87	12SF5GT	1.10	.65	.58
1V	2.00	1.18	1.06	6N7G	1.65	.97	.87	12S7	1.10	.65	.58
2A1G	2.45	1.44	1.30	6P5G	1.85	.97	.87	12S7GT	1.10	.65	.58
2A5	1.00	.59	.53	6P5GT	.80	.47	.42	12SK7	1.00	.59	.53
2A6	1.00	.59	.53	6P7G	2.45	1.44	1.30	GT/G	1.10	.65	.58
				6Q7	1.35	.79	.71				
2A7	1.10	.65	.58	6Q7G	.90	.53	.48	12SQ7	1.00	.59	.53
2B7	1.35	.79	.71	6Q7GT	.90	.53	.48	12SQT	1.00	.59	.53
2E5	1.35	.79	.71	6R7	1.65	.97	.87	GT/G	1.10	.65	.58
2W3	1.35	.79	.71	6R7G	1.10	.65	.58	12SR7	1.35	.79	.71
2X2/879	2.45	1.44	1.30	6R7GT	.90	.53	.48	12Z3	1.00	.59	.53
3A8GT	2.45	1.44	1.30	6S7	1.65	.97	.87	14A4	2.00	1.18	1.06
3Q5GT/G	1.65	.97	.87	6S7G	1.65	.97	.87	14A7/12B7	2.00	1.18	1.06
3S4	1.65	.97	.87	6SA7	1.00	.59	.53	14B6	1.65	.97	.87
4A6G	2.30	1.35	1.22	6SA7GT/G	1.10	.65	.58	14B8	2.00	1.18	1.06
5T4	2.00	1.18	1.06	6SC7	1.35	.79	.71	14C5	2.00	1.18	1.06
5U4G	1.00	.59	.53	6SD7GT	1.35	.79	.71	14C7	2.00	1.18	1.06
5V4G	1.65	.97	.87	6SF5	1.00	.59	.53	14E6	2.00	1.18	1.06
5W4	1.10	.65	.58	6SF5GT	1.00	.59	.53	14F7	2.00	1.18	1.06
5W4GT/G	1.10	.65	.58	6SF7	1.35	.79	.71	14H7	2.00	1.18	1.06
5X4G	1.10	.65	.58	6SG7	1.35	.79	.71	14J7	2.00	1.18	1.06
5Y3GT/G	.70	.41	.37	6SJ7	1.10	.65	.58	14N7	2.00	1.18	1.06
5Y4G	.75	.44	.40	6SJ7GT	1.10	.65	.58	14Q7	1.65	.97	.87
5Z3	1.10	.65	.58	6SK7	1.00	.59	.53	14Y4	2.00	1.18	1.06
5W4	1.35	.79	.71	6SK7G	1.00	.59	.53	18	2.00	1.18	1.06
6A3	2.00	1.18	1.06	GT/G	1.10	.65	.58	19	1.35	.79	.71
6A4LA	1.65	.97	.87	6SQT	1.00	.59	.53	24A	.90	.53	.48
6A5G	2.95	1.73	1.56	6SQT	1.10	.65	.58	25A6	2.00	1.18	1.06
6A6	1.65	.97	.87	GT/G	1.10	.65	.58	25A6GT/G	1.10	.65	.58
6A7	1.00	.59	.53	6SR7	1.10	.65	.58				
6A8	1.35	.79	.71	6T7G	1.35	.79	.71	25A7GT/G	1.65	.97	.87
6A8G	1.00	.59	.53	6U5/6G5	1.35	.79	.71	25AC5G	1.65	.97	.87
6A8GT	1.00	.59	.53	6U6GT	1.35	.79	.71	25AC5GT	1.65	.97	.87
6A8S 6N5	1.65	.97	.87	6U7G	1.00	.59	.53	25B5	2.45	1.44	1.30
6A8T	2.00	1.18	1.06	6V6	2.00	1.18	1.06	25B6G	2.00	1.18	1.06
7/133	1.35	.79	.71	6V6GT/G	1.10	.65	.58	25B6GT	2.00	1.18	1.06
6AC5G	1.35	.79	.71	6V7G	1.00	.59	.53	25C6G	2.00	1.18	1.06
6AC5GT	1.10	.65	.58	6V5G	2.00	1.18	1.06	25L6	1.65	.97	.87

Type Number	List Price	Your Price, Ea.	
		1-14	15-Up
25L6GT/G	\$1.10	\$0.65	\$0.58
25YS	2.45	1.44	1.30
25Z5	1.00	.59	.53
25Z6	1.35	.79	.71
25Z6 GT/G	1.00	.59	.53
26	.75	.44	.40
27	.70	.41	.37
30	1.00	.59	.53
31	1.00	.59	.53
32	1.35	.79	.71
32L7GT	2.00	1.18	1.06
33	1.35	.79	.71
34	1.35	.79	.71
35/51	1.00	.59	.53
35A5	1.35	.79	.71
35L6GT/G	1.00	.59	.53
35Y4	1.65	.97	.87
35Z3	1.35	.79	.71
35Z4GT	.80	.47	.42
35Z5GT/G	.85	.50	.45
35Z6G	1.35	.79	.71
36	1.00	.59	.53
37	.85	.50	.45
38	1.10	.65	.58
39/44	1.00	.59	.53
40Z5	1.10	.65	.58
41	.85	.50	.45
42	.85	.50	.45
43	1.10	.65	.58
45	.80	.47	.42
45Z3	1.10	.65	.58
45Z5GT	1.10	.65	.58
46	1.10	.65	.58
47	1.10	.65	.58
48	2.95	1.73	1.56
49	1.35	.79	.71
50	2.45	1.44	1.30
50A5	2.00	1.18	1.06
50C6G	2.00	1.18	1.06
50L6GT	1.10	.65	.58
50Y6GT	1.10	.65	.58
50Z7G	1.35	.79	.71
52	2.95	1.73	1.56
53	1.65	.97	.87
55	1.10	.65	.58
56	.80	.47	.42
57	.90	.53	.48
58	.90	.53	.48
59	1.65	.97	.87
70A7GT	2.45	1.44	1.30
70L7GT	2.00	1.18	1.06
71A	.90	.53	.48
75	.85	.50	.45
76	.90	.53	.48
77	.90	.53	.48
78	.90	.53	.48
79	1.65	.97	.87
80	.70	.41	.37
81	2.00	1.18	1.06
82	1.35	.79	.71
83	1.65	.97	.87
83V	2.00	1.18	1.06
84/6Z4	1.10	.65	.58
85	.90	.53	.48
89	1.00	.59	.53
99	2.95	1.73	1.56
117L7GT-	2.45	1.44	1.30
117M7GT	2.45	1.44	1.30
117N7GT	2.45	1.44	1.30
117Z6GC	1.65	.97	.87
117Z6	1.65	.97	.87
GT/G	1.65	.97	.87
182B/482B	2.00	1.18	1.06
183/483	2.00	1.18	1.06
485	2.00	1.18	1.06
95	2.00	1.18	1.06
VR90-30	2.45	1.44	1.30
VR105-30	2.45	1.44	1.30
VR150-30	2.45	1.44	1.30
BA	6.90	4.06	3.65
BH	5.30	3.12	2.81
BR	2.85	1.68	1.51
XXD	1.65	.97	.87
XXL	1.65	.97	.87



# Everyday Shop Necessities

## Cabinet Repair Kit



C5708—  
YOUR PRICE  
**\$2.06**

A complete, practical kit for cabinet repair jobs. Easy to use—with a little practice anyone can do as good a touchup job as a professional cabinet finisher. Material included makes possible a professional job on dents, knicks and scratches in wood, plastic or bakelite cabinets, knobs, etc. Kit includes Magic Scratch Remover for slight scratches; 9 assorted Shellac Sticks for deep knicks; bottles of light and dark oil stain; metal shading lacquer; polish; alcohol lamp with fuel; spatula touch up brushes; steel wool; sandpaper, and wiping cloth. Kit comes in handy black leatherette finish box.



**Creme-O-Wax Polish**  
C5706—8 oz. Bottle.  
YOUR PRICE..... **27c**  
C5707—16 oz. Bottle.  
YOUR PRICE..... **44c**

For Radio Cabinets, Planos and All Fine Furniture. Polish the cabinet of a repaired set before you return it to your customer. Then sell him this quality polish made particularly for fine radio cabinets. Contains no oil. Leaves a hard film of glossy protective wax.

## Radio Service Solvent

For loosening cement on speaker cones, spiders and voice coils. Can also be used as a solvent or thinner for most cements listed on this page. Makes an excellent cleaner for volume controls and contacts.  
C5704—4 oz. Bottle. **29c**  
C5705—8 oz. Bottle. **44c**



## Non-Slip Dial Compound

C5712—Your Price **18c**  
For aiding in repair of slipping, friction and cable or cord driven dials. Saves much work and insures a perfect job. Easy to use. Powder form. Should be applied freely to all slipping parts. Generous supply in cardboard container: 2"x3 1/4" high.



## Radio Contact Lubricant

C5710—2 oz. Bottle. **21c**  
YOUR PRICE.....  
Eliminates noise on controls and contacts. Protects from dirt and dust. Insures proper and lasting repairs for all air-exposed contacts. Used for lubricating switches, tube prongs, electric motors, etc. Cleanses and lubricates. A cream solution, cannot spill.

## Speaker Centering Shims

C5750—Celluloid.  
Your Price, Per Kit.. **35c**  
For centering and adjusting cone in pole piece of speaker. Insure simple, positive—spacing and centering for Voice Coils and Armatures. Makes Speaker Repairs and replacements easier to handle. Kit includes four each of 5 size shims in following thicknesses—.005", .0075", .010", .0125", and .015". Shims are made of very flexible celluloid. Each shim is distinctively colored to denote size.



## Speaker Centering Shims

Swedish Steel

C5751—  
YOUR PRICE, per Kit.. **38c**  
Serve same purpose as above shims but are made of best grade Swedish Steel. Very flexible yet strong enough so that with reasonable care will last a life time. 4 each of 4 sizes are furnished in a handy gold lettered partitioned snap case—.004, .006, .008, and .010 inches. Color coded to indicate different sizes.



## Dial Lite Coloring

K5715—  
List, 50c.  
Your Price.. **29c**

Kit includes five 1/4 oz. screw top bottles: Red, Green, Blue, Amber and Solvent. Dip dial light in the coloring and the job is done. Dries in one minute. Color remains permanently. Many new sets have several colored dial lites, replace with one of the same color and ask more money for the job.



## New Air Drying Black Crystallizing Lacquer

No Baking or Heating Required  
N5724—2-oz. Can. **24c**  
YOUR PRICE.....



K5717—Haf-Pint. **73c**  
YOUR PRICE.....  
K5718—Pint can. **\$1.32**  
YOUR PRICE.....  
K5719—Quart can. **\$2.06**  
YOUR PRICE.....  
Gives any metal a professional crystallizing (crackle) finish. Easy to work with—just paint the panels and let it air dry. Dries in twenty minutes. Produces small swirling type designs.

## Gray and Brown Crystallizing Lacquer

A5770—Gray YOUR PRICE **27c**  
A5771—Brown 2 Oz. Can. EA. ....  
C5772—Gray YOUR PRICE **73c**  
C5773—Brown 8 Oz. Can. EA. ....  
E5793—Gray YOUR PRICE **\$1.32**  
E5794—Brown 16 Oz. Can. EA. ....  
Note: Other colors are available on special order.

## Cement for Bakelite Glass or Metal

K5730—  
YOUR PRICE, PER CAN **32c**  
Made for sticking Bakelite to Bakelite, glass, metal parts, etc. For cementing loose inserts, moldings, tube base, caps, etc. Finds many uses around the shop. Generous supply in metal can.



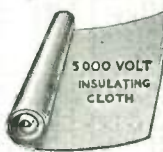
## Furniture Scratch Remover

K5725—List, 50c. **29c**  
YOUR PRICE.....  
Just a touch of stain with the brush and the scratch disappears forever. Always ready for use, suitable for any color finish. Indispensable in Radio store, for touching up minor scratches and defects. Packed in permanent case, easily carried in the vest-pocket.



## 5000 Volt Insulating Cambric

C5736—Roll of 210 square inches.  
List Price, 50c. **35c**  
YOUR PRICE.....  
For insulating and preventing grounds and shorts on field coils, transformers, resistors, condensers, wires, etc. Will safely withstand up to 5000 volts. A dry cambric.



## Radio Repair Cement

For Speaker Cones, Anchoring Wires Etc.  
K5731—  
YOUR PRICE, Per Set **33c**



For cementing speaker cones and voice coils, anchoring R.F. coil wires, etc. Waterproof. Makes extra strong durable joint. Sets almost instantly. Brush for applying and can of thinner included.

## Silverene Enamel

K5714—1/2 Pint Can. **59c**  
YOUR PRICE.....  
Gives a very high lustre and an extremely smooth brilliancy. Non-porous (air and water tight). Will not peel, chip or crack. Highly reflective to heat and light. Suitable for use on Wood or Metal.



## Adhesive Rubber Cushion

Stops Rattles and Vibrations  
10 Foot Roll  
K5740—1/2" thickness **29c**  
K5741—3/4" thickness **34c**  
K5742—1" thickness **44c**  
50 Foot Roll.  
K5743—3/4" thickness. **\$1.47**  
PRICE .....



K5744—3/4" thickness.....\$1.88  
A live sponge rubber material that can be quickly and easily applied wherever the prevention of vibration or shock is desired. 3/4" wide. Coated with an adhesive compound that instantly seals with slight pressure. Rubber may be compressed to one-half normal thickness. Uses: Cushions radio chassis, speakers, vibrators, condensers, etc.

## Amphenol Coil Dope

Extremely Low Loss

C5790—2 Oz. **29c**  
YOUR PRICE.....  
C5791—4 Oz. **38c**  
YOUR PRICE.....



A new synthetic resin polystyrene base product for impregnating coils, paper tubing, fibre, ceramics, fabrics, and other moisture absorbent materials. Provides a complete protection against moisture and dust. Non-hygroscopic. Rapid drying. Can be applied by dipping or with brush.

Thinner for Above

C5792—2 Oz. Bottle. **15c**  
YOUR PRICE.....

## Insulating Varnish

K5720—Pint Size. **88c**  
YOUR PRICE.....  
A5727—1/2 Pint Size. **47c**  
YOUR PRICE.....  
For use in treating coils, noisy transformers, chokes, etc. Composed of highest quality ingredients. High dielectric strength. Is waterproof, oil proof, and non-corrosive. Can be used as dipping varnish or applied with brush. Dries in air.



## Cone Cement

In Handy Metal Tube

K5732—  
YOUR PRICE..... **24c**  
For cementing cloth and fibre cones, paper rings or felt to metal speaker frames. Dries in less than ten minutes and will hold permanently. Supplied in a metal tube containing three ounces.



## Cabinet Touch-Up Kit

Removes Scratches

R5709—  
YOUR PRICE... **35c**  
A practical touch-up kit that will touch up those accidental scratches and dents on cabinets. Contains 4 bottles, camel hair brushes, a portion of dark wax for filling deep scratches and a rubbing cloth. A light and a dark stain, and varnish stain are included. The Varnish stains can also be used to touch up scratched metal enclosures, etc.



## Desk Type Stapler

For Home Office or Shop  
A high quality, low priced, stapler. Just the thing you have always wanted for your desk or writing table at home or at the shop. The cost is low! Performance is Unsurpassed! Holds 500 Staples. Includes Magazine. Rubber base Prevents Slipping or Marring of Surface on which used. New Streamlined Modern Design. Grades Even The Finest Desk.



D14199—Stapler, Desk Type. Complete with 500 staples. **58c**  
YOUR PRICE, 59c.  
Less 2%.....  
D14198—Extra Staples For Above. **28c**  
YOUR PRICE Per Box of 2000 29c each, Less 2% cash discount.....



# EVEREADY Radio Batteries

TRADE MARK



## No. 482 Minimax 45 V. "B"

For Portable Radios

A new compact battery source of "B" power that will give the same number of listening hours as battery twice the size. Physically and Electrically they meet the requirements of practically any make portable radio. The dealer who keeps Minimax in stock can, with rare exception, supply batteries for every make of battery receiver. May be used in either battery, or combination battery—AC-DC operated portables. Used with Minimax "A" batteries at left, they will fit practically all radios that otherwise usually require a special pack. Plug-in terminals. Size  $3\frac{1}{2} \times 1\frac{1}{2} \times 1\frac{1}{2}$  W. x 5 5/8" H. Net wt. 2 lbs. D53—Less plug. List, \$1.50. YOUR PRICE, Each..... **\$1.13**  
In Lots of 2, Each \$1.03.

## No. 745 and 747 1 1/2 and 6V. "A"

For Portable Radios



A companion unit to the Mini-Max "B" battery shown at left, Eveready Mini-Max "A" and Portable "B" batteries used in correct combination, will fit many radios that would otherwise require special packs. Will give approximately the same life as Mini-Max "B". Has plug-in type connection. Plug not supplied.

### No. 745—1 1/2-Volts

Size—L. 10 1/2"—W. 1 1/2"—H. 3 3/8". Weight 3 lbs. List, \$1.20. **82¢**  
E41—YOUR PRICE, Each.....

### No. 747—6-Volts

Size—L. 10 1/2"—W. 1 1/2"—H. 3 3/8". Weight 3 lbs. List, \$1.20. **82¢**  
E44—YOUR PRICE, Each.....

## New Smaller Minimax

### No. 467—67 1/2 Volts

Same construction as No. 482. Has long service life. Size L. 2 1/2"—W. 1 1/2"—H. 3 3/8". Wt. 10 1/2 oz. Snap type connections. D76—List, \$2.25. Net Each..... **\$1.57**

## "B" Batteries



### No. 762

45-Volts

Size—L. 4 1/2"—W. 2 1/2"—H. 5 1/2". Wt. 3 lbs. Plug-in type. Less plug. List, \$1.50. D70—Each..... **\$1.13**  
6 Lots, Ea. \$1.03.

### No. 738—45-Volts

Size—L. 2 1/2"—W. 2 1/2"—H. 4 1/2". Weight 1 1/2 lbs. Plug-in type, tapped at +22 1/2 Volts. Less plug. D61—List, \$2.00. Net Each..... **\$1.51**  
Lots of 2, Each, \$1.37



Exclusive flat-cell construction eliminates waste space and insures long life and a maximum of operating efficiency. Plug-in type tapped at +22 1/2 volts. No plug-in connector included.

### No. 586—45 Volt

Averages 600 hours life. Size—L. 8 1/2"—W. 4 1/2"—H. 7 1/2". Weight 12 lbs. 6 oz. Tapped at +22 1/2 volts. E73—List, \$2.19. Net Each..... **\$1.76**  
In Lots of 6, Each \$1.61

### No. 585—45 Volt

Averages 375 hours life. Size—L. 8 1/2"—W. 3 1/2"—H. 7 1/2". Weight 9 lbs. Tapped at +22 1/2 volts. E75—Net Each..... **\$1.28**  
In Lots of 6, Each \$1.17

### No. 486—45-Volt

Averages 750 hours life. Size—L. 8 1/2"—W. 4 1/2"—H. 7 1/2". Weight 14 lbs. Tapped at +22 1/2 volts. E79—List, \$2.49. Net Each..... **\$1.87**  
In Lots of 6, Each \$1.71

### No. 386—45-Volt

Averages 915 hours life. Size—L. 8 1/2"—W. 4 1/2"—H. 7 1/2". Tapped at +22 1/2 Volts. Weight 15 lbs. E74—List, \$2.75. Net Each..... **\$2.07**  
In Lots of 6, Each \$1.88

## Clip-In Plugs



D10—For all 45 Volt plug-in type batteries.  
D11—For No. 768 "C"  
D12—For No. 771 "C"  
D13—For Nos. 740, 741, 742, 743, A1300 "A" batteries.  
YOUR PRICE Any Type..... **3 1/2¢**  
Each.....



## No. 455 Minimax

45 Volt. For hearing aids and personal or camera type sets. Size—L. 2 1/2"—W. 1 1/2"—H. 3 3/8". Snap fastener. Battery weight 7 oz.

E54—List \$1.75. YOUR PRICE..... **\$1.21**

### No. 430—30 Volt

Size—L. 1 1/2"—W. 1 1/2"—H. 2 1/2". Weight 3 3/4 oz. Snap fastener terminals. No taps. List, \$1.50. E71—YOUR PRICE, Each..... **\$1.04**

## "C" Batteries



### No. 768

22 1/2 Volt

Size—L. 4 1/2"—W. 2 1/2"—H. 2 1/2". Weight 2 lbs. Plug in type tapped at -3, -4 1/2, -16 1/2 Volts. List, 98¢.

E69—YOUR PRICE, Each..... **68¢**

### No. 763—22 1/2-Volt

Size—L. 3 1/2"—W. 2 1/2"—H. 2 1/2". Weight 1 lb. Binding post terminals. No taps. List, \$1.20. E66—YOUR PRICE, Each..... **90¢**  
In Lots of 5, Each 82¢

### No. 771—4 1/2-Volt

Size—L. 4 1/2"—W. 1 1/2"—H. 3 3/8". Weight 8 oz. Plug in type tapped at 3 volts. Less plug. List, 35¢. E67—YOUR PRICE, Each..... **26¢**  
In Lots of 5, Each 24¢

## 7 1/2 Volt "C" Batteries



### No. 773

7 1/2 Volts

Size—L. 4 1/2"—W. 1 1/2"—H. 3 3/8". Weight 3 1/2 lb. Binding post and wire terminals tapped at -1 1/2, -3, -4 1/2, -6 volts. List, 65¢. E68—YOUR PRICE, Each..... **48¢**  
In Lots of 5, Each 43¢

## Battery Testers



Portable type battery testers to test "B" Batteries, Dry Cells, Storage Batteries, etc. Long insulated cord with 1" prod on end, for testing batteries with socket terminals.

E10376—0-40 Amps. for Dry Cells  
E10377—0-50 Volts for B Batteries  
YOUR PRICE, Each..... **65¢**

E10372—0-1.5V. & 0-90V.  
E10373—0-7.5V. & 0-90V.  
E10378—0-40 Amp. & 0-50V.  
YOUR PRICE, Each..... **97¢**

## "A" Batteries



All are plug in type without taps and supplied without plug-in connector.

### No. 742

1 1/2 volt

Size—L. 2 1/2"—W. 2 1/2"—H. 4". Weight 1 1/2 lbs. List, 60¢. E77—Each..... **41¢**

### No. 746—4 1/2-Volt

Size—L. 3 3/8"—W. 1 1/2"—H. 4 1/2". Weight 1 lb. List, 55¢. E42—YOUR PRICE, Each..... **42¢**  
In Lots of 2, Each 38¢

### No. 741—1 1/2-Volt

Size—L. 3 3/8"—W. 2 1/2"—H. 5 1/2". Weight 3 1/2 lbs. List, \$1.00. E72—YOUR PRICE, Each..... **66¢**

### No. 743—1 1/2-Volt

Size—L. 3 3/8"—W. 2 1/2"—H. 3 3/8". Weight 2 1/2 lbs. List, 80¢. E40—YOUR PRICE, Each..... **55¢**

### No. 718—6-Volt

Size—L. 3 3/8"—W. 2 1/2"—H. 5 1/2". Weight 3 1/2 lbs. List, \$1.20. E43—YOUR PRICE, Each..... **69¢**

## Air Cell "A" Batteries



### No. A2300—2-Volt

Size—L. 8 1/2"—W. 5 1/2"—H. 8 1/2". Weight 1 1/2 lbs. Dry. For sets drawing up to 660 Ma. 500 hour life. List, \$4.45. E86—YOUR PRICE, Each..... **\$3.05**

### No. A2600—2-Volt

Size—L. 9-6/8"—W. 6 1/2"—H. 10 1/2". Weight 2 1/2 lbs. dry. For sets drawing up to 660 Ma. 1000 hour life. E83—YOUR PRICE, Each..... **\$4.76**

### No. SA2600—2-Volt

Size—L. 9-6/8"—W. 6 1/2"—H. 10 1/2". Weight 2 1/2 lbs. dry. For sets drawing up to 750 Ma. 800 hour life. List, \$8.00. E84—YOUR PRICE, Each..... **\$5.40**

### No. A1300—1 1/2-Volt

Size—L. 5 1/2"—W. 4 1/2"—H. 8 1/2". Weight 6 lbs. dry. 660 Ma. capacity. 1500 hours life on 200 Ma. List, \$2.65. E85—YOUR PRICE, Each..... **\$1.81**

## 90 Volt "B" Battery



### No. 749

90 Volts

Size—L. 15 1/2"—W. 3 1/2"—H. 7 1/2". Weight 18 lbs. Plug in type not topped, less plug. List, \$4.25. D62—YOUR PRICE, Each..... **\$2.91**

## "A" Batteries



No. 7111 1 1/2-Volts Size—Dia. 2 1/2"—H. 6 1/2". Weight 2 lbs. 2 oz. List Price, Each 50¢.

E60—Your Price, Each..... **38¢**

In Lots of 12, Each 32¢

No. 6 1 1/2-Volts Size—Dia. 2 1/2"—H. 6 1/2". Weight 2 lbs. 2 oz. List, 45¢.

E51—YOUR PRICE, Each..... **32¢**

In Lots of 12, Each 29¢

No. 16 1 1/2 Volts Size—Dia. 2 1/2"—H. 6 1/2". Weight 2 lbs. 2 oz. List Price, 35¢. E52—YOUR PRICE, Each..... **27¢**  
In Lots of 12, Each 25¢

## Dry "A" Batteries



### No. X125—3-Volts

Size—L. 11 1/2"—W. 4 1/2"—H. 7 1/2". Weight 20 lbs. Clip connectors. List at Price, \$3.75. **\$2.50**

E80—YOUR PRICE, Each.....

### No. 740—1 1/2-Volts

Size—L. 4 1/2"—W. 3 1/2"—H. 7 1/2". Weight 7 lbs. Plug-in type. Less plug. List Price, \$2.25. E81—YOUR PRICE, Each..... **\$1.54**

## Flashlight Cells



No. 950 1 1/2-Volts Size—Dia. 1 1/2"—H. 2 1/2". List Each, 10¢.

E58—Your Price..... **78¢**

No. 935 1 1/2-Volts Size—Dia. 1 1/2"—H. 2". List Each, 10¢.

E59—Your Price..... **78¢**

No. 915 1 1/2-Volts Size—Dia. 1 1/2"—H. 2". List Price, Each 7 1/2¢.

E60—YOUR PRICE, 12 for..... **59¢**

## Test Batteries



No. 750—3-Volts Size, L. 1 1/2"—W. 1 1/2"—H. 2 1/2". List, 15¢.

E57—Price, Each..... **10¢**

No. 751—4 1/2-Volts Size, L. 2"—W. 1 1/2"—H. 2-6/8". List, 30¢.

E56—Price, Each..... **20¢**

No. 703—4 1/2-Volts Size, L. 2 1/2"—W. 1 1/2"—H. 3 1/2". List, 30¢.

E55—Price, Each..... **20¢**

No. 781—4 1/2-Volts Size, L. 2 1/2"—W. 1 1/2"—H. 3 1/2". List Price, 40¢.

E64—Price, Each..... **30¢**

No. 509—6-Volts Size, L. 2 1/2"—W. 1 1/2"—H. 3 1/2". List Price, 55¢.

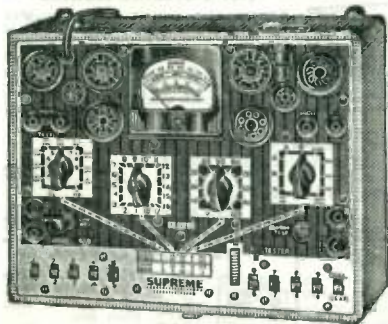
E46—Price, Each..... **39¢**



# SUPREME INSTRUMENTS

## Easiest Installation Terms

### Model 589 Tube and Battery Tester



11 1/4"x9 1/4"x5 5/8"

**Tube Testing Circuit** Tests every type tube from 1.4 volts to 117 volts, at correct plate potential and impedance load. Tests separate sections in multi-purpose tubes. Checks leakages, shorts, noise, open elements and filament continuity. Fastest and easiest to operate—simply follow arrows to proper settings indicated by correlated roll chart. Headphones may be used for noise test. Large English reading meter scale. Headphones may be used for noise test. Patented Double Floating Filament Return Selector Switch automatically allows rearranging of tube element connections to any possible tube base arrangement—your best possible assurance against obsolescence resulting from subsequent new tube releases. Complete information covering switch settings and testing of new tubes is supplied at least every 3 months, for one year, at no extra charge.

**Battery Testing Circuit** makes all tests under proper load for battery being tested. Battery condition is read on plainly marked English reading scale. Tests all type 1.5, 4.5, 6.0, 45 and 90 volt portable radio and flashlight types. Supreme engineering and construction plus the best materials the market affords, make the 589 your biggest dollar value. Portable Model: durably housed in attractive luggage type case. Counter Model: housed in black wrinkle finished metal case with chrome trim. Instrument panel has ribbed background offset by satin finished highlights, with bright red arrow-ways. Bakelite housed meter has 3-color scale. For 105-120 V. 50-60 Cye. operation.

**Portable Model**  
D17077—  
YOUR CASH PRICE ..... **\$37<sup>73</sup>**  
Or \$7.50 down and \$5.80 monthly for 6 months.

**Counter Model**  
With 7" Meter  
D17078—  
Your Cash Price..... **\$49<sup>74</sup>**  
Or \$8.50 down and \$5.92 monthly for 8 months.

**Counter Model**  
With 9" Meter  
D17079—  
Your Cash Price..... **\$52<sup>87</sup>**  
Or \$8.50 down and \$6.35 monthly for 8 months.

### Model 599 Tube, Battery and Set Tester



11 1/4"x9 1/4"x5 5/8"

Has same tube and battery testing circuits and is same size as Model 589 above. In addition has complete volt-ohm-millimeter section with provisions for checking condenser leakage.

D17080—Portable Model. **\$48<sup>95</sup>**  
YOUR CASH PRICE .....  
Or \$8.50 down and \$5.81 monthly for 8 mos.  
D17081—Counter Model with 7" Meter.  
YOUR CASH PRICE ..... **\$61<sup>99</sup>**  
Or \$9.50 down and \$6.00 monthly for 10 mos.

D17082—Counter Model with 9" Meter.  
YOUR CASH PRICE ..... **\$65<sup>17</sup>**  
Or \$10.00 down and \$6.32 monthly for 10 mos.

**Volt-Ohm-Millimeter Section**  
D.C. Volts: 0/6/15/150/600/1500 at 1000 ohms per volt. A.C. and Output Volts: (0/6/15/150/600). Copper oxide rectifier fully protected from overload. **NO BUTTON TO HOLD DOWN—NO EXTERNAL CONDENSER necessary.** D.C. Mills: (0/6/60/600). Ohms: 0/200/20,000/2 meg./20 meg. Tests all paper and electrolytic condensers for leakage on direct reading resistance scales. For 105-120 volt 60 cye. AC operation.

### Model 542 Pocket Multimeter

D17083—Model 542 Pocket Multi-meter.  
YOUR CASH PRICE ..... **\$20<sup>34</sup>**  
Compact in size, accurate and dependable performance. Pin jack connections. Ranges: D.C. Mills, 0/0.3/6/30/150. D.C. Voltages at 5,000 ohms per Volt, 0/6/150/300/1,500. A.C. and Output Voltages 0/6/30/150/600. Ohms 0/2,000/20,000/200,000/2 megs. Decibels: -6 to +10, +3 to +24, +22 to +38, +34 to +50. 9" Square meter with knife edge pointer and rugged, accurate 200 microampere movement (5,000 ohms per volt). Molded bakelite case. Batteries for ohmmeter self contained. Size 5 1/2"x2 1/2"x3 3/4". Ship. wt. 2 lbs.



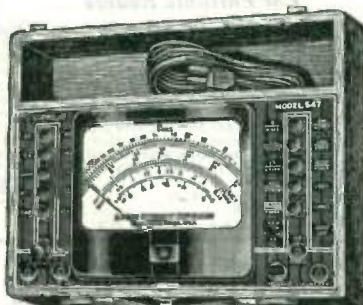
### Model 543 Pocket Multimeter



D17084 — Model 543 Pocket Multimeter.  
YOUR CASH PRICE **\$15<sup>93</sup>**  
Uses same bakelite case as Model 542. Attractive two-color panel. 3" x 1 Ma 1,000 O-P-V. meter. Single rotary switch selects all functions and ranges. Ohms: 0/200/200,000. DC Mills: 0/6/60/600. AC Mills: 0/15/150/600/3000. AC or DC Volts: 0/15/150/600/3000. Batteries self contained. Size, 6 1/2"x3 1/2"x3 3/4". Shipping wt. 2 lbs.

Model 542 or 543 may be purchased with other Supreme equipment on Time Payment. Cash price will be divided and added to other payments. No additional down payment or finance charges are made.

### Model 547 Multimeter



14 Buttons give instant selection of 36 Ranges

D17085—In Metal Case. Size—13 1/4"x12 1/4"x5".  
YOUR CASH PRICE. **\$42<sup>39</sup>**  
Or \$7.50 down and \$5.00 monthly for 8 months.  
D17086—In Metal Case. Size—13 1/4"x11 1/4"x5".  
YOUR CASH PRICE. **\$45<sup>03</sup>**  
Or \$8.50 down and \$5.26 monthly for 8 months.

Simplest, fastest and most convenient of all multi-meters. Large 7" illuminated meter allows exceptionally accurate reading. All meter multipliers are metalized resistors aged for stability. Wire-wound resistors used for all shunts. Ranges, D.C. Volts: 0/6/30/150/300/600/3000, at 1000 ohms per volt. D.C. Mills: 0/6/30/150/300/600. Accuracy 2% on all ranges except 3000 volt which is 3%. A.C. Volts: 0/6/30/150/300/600/3000. Output Volts: 0/6/30/150/300/600/3000. Decibels: -10/+4/+18/+32/+38/+44. Capacity: 0/2/2/20 mfd. No external condenser necessary. Copper-oxide rectifier fully protected. Fully compensated for temperature variations. Ohms: 0/2000/20,000/200,000 ohms and 0/2 meg/20 meg. Megohm ranges operate from 105-120 volt 60 cycle A.C. line supply; other ranges from self-contained battery. Supplied in metal case, for shop use or in portable Oak carrying case with removable cover and large compartment for test leads, tools, etc.

### Model 592 Set Tester

D17088—Model 592 Set Tester. **\$54<sup>83</sup>**  
YOUR CASH PRICE .....

Or \$8.50 down and \$6.64 monthly for 8 mos. Fast push button selector sets up all ranges and functions, all of which terminate at a single pair of pin jacks, except the 14 ampere DC range, for which heavy binding posts are supplied. Push button switch selects either of two DC voltage measuring sensitivities on large 4" meter, 1000 ohms per volt for regular measurements and 25,000 ohms per volt for high resistance circuit measurements. Ranges: D.C. volts at 1000 or 25,000 ohms per volt 0/3.5/7/35/140/350/700/1400. Ohms: with self contained battery, 0/500/5,000/50,000/500,000/6 megs/50 megs. Low-ohm scale 1/2 to 500 ohms. A.C. and Output Volts: (0/7/35/140/350/700/1400) no external condenser needed. Decibels 5 ranges cover—10 to +46. Durably housed in quartered oak carrying case with removable hinged cover. Size, 9 1/2"x7 1/2"x6 1/4". Ship. wt. 9 lbs.



### Model 504A Tube Tester and Set Analyzer



D17089—Model 504A complete in Portable Oak Carrying Case size 14 1/2"x12 1/2"x5".

YOUR CASH PRICE ..... **\$81<sup>83</sup>**  
Or \$10.00 down and \$8.18 monthly for 10 mos.

The finest instrument of its type in the entire Supreme line. **TUBE TESTER SECTION** incorporates improved circuit that correctly tests all tubes from 1.4 to 117 filament volts under normal operating voltages and loads. Tests locala, octals, bantams, midjets, single ended, television tubes, magic eyes, gaseous rectifiers, pilot lamps and ballasts. Tests separately, each section of all multi-section tubes and each type of rectifier and double diodes. Makes "hot" leakage tests up to 2

Megs. Checks shorts, open elements, filament continuity and noise. Push-button selector automatically allows rearrangement of tube element connections to any possible tube base arrangement—your best insurance against obsolescence resulting from subsequent new tube releases. Fast and easy to operate—simply follow the arrows to proper settings indicated by correlated tube chart. English reading meter scale shows tube condition. SET ANALYZER SECTION provides 31 test ranges selected by 29 push-buttons. All ranges terminate at a single pair of tip jacks. DC Volts: 0/2.5/25/100/250/500/1000/2500, at 1000 ohms per volt. AC and Output Volts: 0/5/10/50/250/1000. DC Microamps: 0/500. DC Mills: 0/2.5/10/50/250. DC Amps: 0/1/10. Ohms: 1/10/200/2M/20M and 0/2/20 Meg. Accuracy: 2% on DC and 3% on AC ranges. Tests all paper, mica and electrolytic condensers for leakage up to 20 Megs, at any one of seven test voltages from 25 to 450 volts. Results are indicated directly on "Good-Bad" capacitor meter scale.

### Model 549 Electronic Voltmeter

D17090—With Metal Case. Size—11 1/4"x10 1/4"x4 1/4".

YOUR CASH PRICE..... **\$49<sup>74</sup>**

Or \$7.50 down and \$6.05 monthly for 8 mos.  
D17091—In solid Oak Carrying Case. Size—11 1/4"x10 1/4"x5 1/4".  
YOUR CASH PRICE..... **\$52<sup>87</sup>**

Or \$8.50 down and \$6.35 monthly for 8 mos. Ranges: DC Volts — 0/2/6/20/60/200/600. Input impedance 15 meg. DC Mills: 0/5/15/50/150/500. AC Amps: 0/1/10. Ohms: 1000/100,000 and 0/1/10/1000 Megohms with self contained battery. AC and Output Volts: 0/5/15/50/150/500. Copper oxide rectifier fully protected, temperature error corrected over a working range of 40° to 100° F. Available in metal case, for shop use or in portable Oak case with removable hinged cover and large compartment for test leads, tools, etc.



D17092—High voltage test probes and multiplier, for extending meter range from 600 to 6000 volts D.C. at 150 Mega input impedance.  
YOUR PRICE, Per Pair ..... **\$7<sup>35</sup>** Or if purchased with Model 549, add 63c net to each of the 8 monthly payments.



# SUPREME INSTRUMENTS

## Supreme by Comparison

### Model 561 Oscillator

E17073—  
Model 561  
Complete  
YOUR PRICE  
**\$105<sup>13</sup>**

Or \$15.00 down  
and \$8.54 monthly  
for 12 months.  
A combined AF  
and RF oscillator  
that feeds into  
the receiver, a  
practical dupli-  
cate of the signal



from a broadcast station and allows complete control over this signal. Specifically designed to be used in conjunction with the Vedolyzer, Audolyzer or Oscilloscope listed on this page. May also be used by itself in the same manner as any individual AF or RF Oscillator. Has output level indicating meter which provides an accurate means of determining AF or RF output of generator. Meter may also be used to determine % of audio modulation.

R.F. Oscillator—Range is 65 Kc. to 20.5 Mc. on fundamentals and 60 Mc. on harmonics in 5 bands with push button, band switch. Accuracy guaranteed to within  $\frac{1}{2}$  or 1% at all frequencies. Dual ratio tuning mechanism for locating desired frequency quickly and accurately. Extremely stable. A.F. Oscillator—Range is 15 to 15000 cycles. 4 push buttons select output impedances of 50, 600, 5000, or 50,000 ohms single or push pull. Power output 150 milliwatts at less than 5% distortion over entire range. Response is flat within  $\pm 1$  db. between 30 and 10,000 c.p.s. Has zero beat adjustment. Variable control allows 0 to 15000 c.p.s. modulation of R.F. signal from 0 to 75% at any RF frequency. Audio output is available separately for audio tests. Shadow tuning with hair line indicator on 6" dial eliminates parallax. Attenuators—AF and RF outputs are fully controllable from zero to maximum. RF has ladder type attenuator employing 4 push buttons and vernier control, allowing continuous variation from  $\frac{1}{2}$  to 100,000 microvolts.

Built-in Frequency Modulator—Employs electronic lock center synchronizer circuit. Has standard band pass of 30 Kc. and may be used at any test frequency.

Housed in Solid Oak Case with carrying handle. Size 17 $\frac{1}{2}$ "x9"x12". Ship. wt. 33 lbs.

### Model 560 Vedolyzer

E17074—  
Model 560 Ve-  
dolyzer. Com-  
plete with ac-  
cessories and  
instructions.  
For 105-120  
volts, 50-60  
cycle AC.

YOUR CASH  
PRICE  
**\$160<sup>67</sup>**

Or \$20.00 down  
and \$13.20  
monthly for  
12 months.



The Vedolyzer traces the radio signal through every stage of a receiver. You see the actual signal and can study its characteristics on the screen of the cathode ray tube. If the signal cuts out, becomes distorted or weakens it is immediately apparent on the tube. The built-in vacuum tube voltohmmeter allows you to measure the actual RF, IF or AF voltage in MICROVOLTS! With this set-up, you can check for location, frequency and amount of hum, and check correct IF and oscillator frequency. Using the vacuum tube volt-ohmmeter alone, you can check AVC voltages, DC Grid voltages, insulation resistance up to 1000 megohms, and all receiver voltages up to 6000 volts DC or 3000 AC. Contains a direct reading wave analyzer for determining the frequency and strength of an UNKNOWN SIGNAL. A multiple probe input circuit gives a progressive check of receiver stages for intermittents, dead stages, noisy resistors, leaky condensers, bad soldered joints, etc.

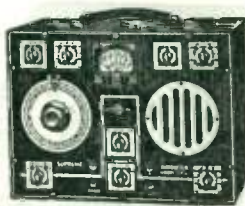
The Vacuum Tube Voltmeter ranges are: DC Volts, 0/2/6/20/200/600/6000; AC Volts, 0/2/6/30/300/600/3000; and 15 megohms input Resistance. 0/1M/10M/100M ohms and 0/1/10/100/1000 megohms. The Oscilloscope can be used as a normal cathode ray oscilloscope. Its linear sweep, horizontal amplification and synchronization circuits result in easily locked R.F. wave. Has an internal sinusoidal line supply frequency sweep for use in hum measurements, etc., as well as an internal linear sweep from 15 to 30,000 cycles for viewing images. Housed in solid oak case with leather carrying handle. Size, 17 $\frac{1}{2}$ "x13"x12 $\frac{1}{2}$ ". Ship. wt. 40 lbs.

### Model 562 Audolyzer

E17075—  
Model 561

YOUR PRICE  
**\$97<sup>95</sup>**

Or \$15.00 down  
and \$7.92 monthly  
for 12 months.



A new dynamic channel tester at a new low price. Operation is very similar to that of the Vedolyzer described opposite. The principal difference being that you hear the signal instead of see it. Eliminates all magic eye tubes and multiple probes. Connect a signal generator such as the 582A or 561 to the antenna post of the receiver under test and touch the Audolyzer probe successively to the grid and plate circuits of the RF, IF, Oscillator, Detector and Audio Stages. You hear the demodulated signal in the Speaker of the Audolyzer until on reaching the defective stage, the signal disappears. You then use the built-in vacuum tube volt meter to check the DC operating voltages of the defective circuit. You can in this way quickly and profitably service even the "toughest" receiver. Vacuum tube voltmeter has ranges of 0, 1, 3, 10, 30, 100, 300, 1000 volts DC at 15 megohms input impedance. This means a meter sensitivity of 15,000,000 ohms per volt on the low range and  $\frac{1}{2}$  million ohms per volt on the 10 volt scale. Such high impedance permits check of voltage while set is in operation without disturbing the circuit. Also checks AVC voltages accurately. Also checks AFC circuits. Gives accurate check on trimmer adjustments. Can be used with cathode ray oscilloscope for visual distortion indication. Housed in oak case with carrying handle. Size, 17 $\frac{1}{2}$ "x9"x12". Ship wt. 32 lbs.

### Models 542-543 in Special Case

E17100—Model  
542 Multimeter in  
Special Metal Case.  
YOUR  
PRICE... **\$224<sup>9</sup>**  
E17101—Model  
543 Multimeter in  
Special Metal Case.  
YOUR  
PRICE... **\$175<sup>9</sup>**



Popular Supreme Model 542 and Model 543 multimeters, listed on preceding page, installed in a case built for punishment. Used by the army and telephone companies where hard knocks are the rule rather than the exception. Heavy steel cover protects meter—snaps into place. Full protection without the old style lid. Large, sturdy leather handle, but still small enough to slip in your pocket. Black wrinkle finish. Size 3 $\frac{1}{2}$ "x6 $\frac{1}{2}$ "x2 $\frac{1}{4}$ ". Wt. 2 lbs.

### Model 563 Audio Oscillator

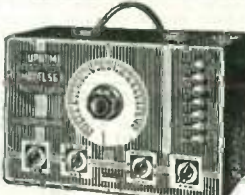
E17102—Model 563 Audio Oscillator. Complete with tubes and detailed instructions for operation. For 110-120 V.-60 cycle AC.

YOUR  
CASH  
PRICE... **\$56<sup>35</sup>**

Or \$8.50 down and \$6.84 monthly for 8 months.

The Model 563 is an essential piece of test equipment for the modern radio repair shop, research laboratory or wherever an accurate controlled source of audio voltage is needed. Covers complete audio spectrum. Provides a source of alternating voltage continuously variable from 15 cycles to 15 kilocycles. Provides an ideal source of test voltage for signal tracing in Audio Systems of radio sets, adjusting pickups and cutting heads for better performance on phonographs and recorders, modulating stand-by tone generators for stereo tests on cabinet booms and speaker rattles. Model 563 provides center tapped output impedances of 250-500 and 5,000 ohms for push-pull and other balanced input systems.

Output is flat within  $\pm 1$  db. from 30 to 10,000 cycles and down 2 db. at 30 and 15,000 cycles. Distortion less than 5% RMS over entire range. Hum from power supply ripple  $\sim 60$  db. below maximum output. Power output of 125 milliwatts. Frequency calibrated directly in cycles on a large 6" metal dial accurate within  $\pm 2\%$ , with laboratory type tuning knob. All controls are arranged for maximum simplicity of operation. Only two major controls for selection of audio frequency and output level. Other controls are for preliminary adjustment and power "Off"—"On" switch. Comes complete with 2-6SK7, 2-6C5, and 1-6X5 tubes. Power consumption 33 watts. Fuse Protection. Cabinet of heavy gauge steel in black wrinkle finish. Size: 13 $\frac{1}{2}$ "x9"x6 $\frac{1}{2}$ ". Ship. wt. 21 lbs.



### Model 571 Signal Generator

Accurate To Within  $\frac{1}{2}$  of 1%  
At All Frequencies

Direct Reading On All Bands

C17076—Model 571 Signal Generator. Complete with accessories. For 100-120 volt, 50-60 cycle AC operation.

YOUR CASH  
PRICE... **\$497<sup>4</sup>**

Or \$75.00 down and \$6.05 monthly for 8 months.



An oscillator you'll be proud to own. Has unusually wide frequency range of 65 Kc. to 20.5 Mc. on fundamentals, and up to 82 Mc. on harmonics. Dual ratio, drive dial, is directly calibrated and illuminated, with hair line shadow indicator which completely eliminates parallax. Guaranteed accuracy  $\frac{1}{2}$  to 1%. A 400 cycle audio oscillator is incorporated for modulating the RF carrier at either 30% or 75%. However, the RF output may also be externally audio modulated or externally frequency modulated for visual alignment work. The 400 cycle oscillator may also be used separately. Double shielded ladder type attenuator provides output of 0.1 volt down to 0.5 microvolt. Double shielding is also extended to the complete chassis to minimize leakage. This instrument may also be used as a multi-vibrator by setting the dial to either 100 or 1000 Kc. and using the harmonics of these signals. An electron coupled oscillator circuit is employed using air dielectric capacitors and iron core coils. Absolutely free from temperature and humidity drift and line leakage. Beautiful black metal panel with red and silver trimming. Housed in attractive solid oak case with leather carrying handle. Size, 10 $\frac{1}{2}$ "x8 $\frac{1}{2}$ "x8 $\frac{1}{2}$ ". Ship. wt. 19 lbs.

### Model 546 Oscilloscope

Featuring High Stability and Simplicity of Operation

An excellent companion piece for Supreme Model 561, or any other good frequency modulated R.F. Signal Generator. Especially useful in connection with all signal tracing devices for actually seeing the signal. A far faster and more accurate means of locating and correcting causes for hum noise, distortion, low gain, intermittents etc.

D17095—546 Oscilloscope complete with tubes. For 100-120 volt, 50-60 cycle AC operation.

YOUR  
CASH  
PRICE... **\$80<sup>85</sup>**

Or \$10.00 down and \$8.07 monthly for 10 months.

Flexible in operation, has simple and logically arranged controls with sensitive linear amplifiers producing undistorted output. Has high impedance input circuits, wide frequency range and vertical and horizontal amplifier with 15 to 90,000 C.P.S. range and individual gain controls. Saw tooth sweep circuit oscillator is linear from 15 to 30,000 cycles. Means for either internally or externally synchronizing the signal under test with the sweep frequency. Vertical and horizontal spot centering controls, intensity and focus controls. Snap-lock synchronizing control snaps image into place. No image "wandering" or "waver-ing." Linear sweep range control and fine frequency adjuster. Separate power supply for cathode ray tube. Uses six tubes: 1-3" Cathode Ray Tube, 1-885, 2-6C6's and 2-80's. Carefully shielded and mounted. Solid oak carrying case with leather handle for shop or laboratory use. "No-Glare" panel. Size, 14 $\frac{1}{2}$ "x12 $\frac{1}{2}$ ". Ship. wt. 23 lbs.





# RCP *dependable* TEST INSTRUMENTS

## Portable and Counter Model Tube Testers

D17202  
\$2837



Model 310P

D17202 — Portable Model 310P. (Illustrated at left). With Rolindex Chart and compartment. Size 11 1/4 x 12 x 7".

YOUR PRICE..... \$2837

D17201 — Portable Model 309P. Without Rolindex Chart and compartment. Size 11 1/4 x 10 x 7".

YOUR PRICE \$2102

D17203 — Counter Model 309C. (Illustrated at right). Size 9 x 12 x 5". Without Rolindex chart.

YOUR PRICE..... \$1857

D17204 — Counter Model 310C. As above but with Rolindex chart.

YOUR PRICE..... \$2543

D17203  
\$1857



Model 309C

Simple to operate. Tests all tubes including locals, miniature types, ballasts and pilot lights. Direct reading 3" sq. D'Arsonval movement meter. Filament voltages to 117 are available. Neon shorts and leakage indicator. Jacks provided for noise test with headphones. Tests individual sections of multi-purpose tubes. Chart indicates control settings. Model 310P and 310C include built-in "Rolindex" Roll chart. Spare socket provided for new tubes. All models in leather covered case with attractive sloping panel. Portable models have removable hinged cover and handle. For 105-135 volt, 50-60 cycle AC operation.

## RF and AF Signal Generator

D17222—Model 702 Signal Generator. Complete with connection leads. Housed in grey wrinkle metal cabinet with carrying handle. Size 8 x 11 1/4 x 5". For 105-120 volt, 50-60 cycle AC operation.

YOUR PRICE \$2739



Has an extremely wide fundamental coverage of 95 Kc. to 25 Mc. on five bands. Accurately calibrated direct reading dial with dual ratio knob. RF output can be unmodulated or modulated 30% at 400 cycles. The 400 cycle audio can be used separately. Five step ladder attenuator with output of 1 microvolt to 5 volts. Leakage minimized by individually shielded circuits, filtered power supply and complete overall shielding provided by the leaded steel case and chassis. Coils when not used are shorted out of circuit. Double fused power supply cord. Contains all latest improvements in circuit and mechanical design.

## Model 414P Multi-tester

With 4 1/2" Sq. Meter

D17205—Model 414P. Complete with test leads and instructions.

YOUR PRICE \$2837

Range selector switch. Ranges: DC Volts, 0-5-50-250-2500-5000 at 2000 ohms per volt. AC Volts, 0-10-100-500-1000-5000. DC Ma., 0-10-50-250-1000. DC Amp., 0-1-5-25. Capacity, 0-0.03-3-30-300 Mfd. Resistance, 0-100-15,000-150,000 ohms and 0-1.5-15 megohms. Inductance, 25-1000 mh. and 25-100-1000-10000 henries. Built-in power supply. For 105-120 volt, 50-60 cycle AC operation. Solid maple carrying case. Size 9 1/2 x 12 1/2 x 6".



## Model 417 Appliance Tester

E17238 — Model 417 Tester.

YOUR PRICE \$1269

E17239—417 P. Portable in hinged cover case.

YOUR PRICE \$1465

Model 417 measures voltage, current, and watts on AC-DC. All measurements are on 4 easily read scales. Range of the Model 417 are: 0-250 volts AC or DC; 0-1/5-25 amperes AC or DC; 0-30/120/600/3000 watts at 120 volts AC or DC; 0-60/240/1200/6000 watts at 240 volts AC or DC. Comes complete with power-factor classification chart and correction curves for power-factor and line voltage. Size: 6 3/4 x 9 1/2 x 3 1/2". Shpg. wt. 3 lbs.



## Model 802 Tube and Set

### Tester

C17209—Model 802, Tube and Set Tester.

YOUR PRICE \$3327

D17223—Model 803.

Same as above with Rolindex Chart

YOUR PRICE \$3915

A light compact combination instrument that provides complete set and tube testing. Tube Tester checks all tubes including locals and ballast types. Provides filament voltages from 1 to 120. Neon leakage and short indicator. Jack provided for noise tests with headphones. Chart gives control settings. Model 803 includes built-in "Rolindex" Roll chart. Direct reading 4 1/2" D'Arsonval movement meter. Built-in Set Tester measures AC-DC Volts; 0-10-50-500-1000, DC at 1000 ohms p.v. DC Ma. 0-1-10-100-1000. DC Amps. 0-10. Ohms, 0-5-5000-1 Meg.-10 Megs. Decibels, -8/+15/+29/+49/+55. Set Analyzer Unit eliminates necessity of removing radio chassis from cabinet for testing. Measures all voltages and currents at tester with the set in operation. All adapters included. Leatherette covered carrying case with removable cover. Attractive aluminum panel. Size, 12 x 12 1/2 x 6". For 115 volt, 50-60 cycle AC operation.



## Electronic Multitester

### Model 661

E17226—Model 661 Complete.

YOUR PRICE \$3817

The model 661 is electronic AC-DC vacuum tube voltmeter, ohmmeter and capacity meter at the price of a voltmeter alone. You can test any AM, FM or television circuit, while the circuit is hot and without disturbing circuit constants. Clear, quick readings on 4 1/2" scale of 4 1/2" D'Arsonval meter. Meter is accurate to 2% full scale. Matched pair multipliers accurate to 1%. Maximum protection against meter burnout. Ranges of the 661 are: 0-6/30/150/600/1500/6000 volts both AC-DC. Sensitivity on high ranges 160 megohms—low ranges, 16 megohms. Input capacity only 0005 mfd. 0/1000/10000/100000 ohms, 0/1/10/1000 mfd. No test leads to short and no resetting when changing ranges. No danger of shock on low capacity measurements. Case measures 9 1/4 x 9 1/4 x 7 1/4". Two high voltage test leads and special signal tracing probe furnished. For 115 V, 60 cycles. Shpg. wt. 10 lbs.



## Multi-Range Testers

Compact testers. Complete point-to-point receiver analysis. All instruments have round bakelite case D'Arsonval movement meters etched aluminum panels, self contained batteries and ohmmeter adjuster. Accuracy 2%. Test leads included.



### DC Model 433

D17206—With 2" Meter. 7 Ranges thru tip jacks. DC Volts, 0-5-50-500-1000 at 1000 ohms per volt sensitivity. DC Ma., 0-1. Ohms, 0-500-500,000. Attractive panel. Hardwood case. Size 6 3/4 x 3 1/2". Wt. 21 oz.

YOUR PRICE..... \$809

### DC MODEL 432

C17213—With 2" Meters. 9 Ranges thru tip jacks. DC Volts, 0-5-50-500-1000 at 1000 ohms p.v. DC Ma. 0-1-10. Ohms, 0-500-50,000-500,000. Metal case. Size, 5 1/2 x 3 1/2".

YOUR PRICE..... \$730

### AC-DC MODEL 456

C17214—With 2" Meters. 16 Ranges thru tip jacks. AC-DC Volts, 0-5-50-500-1000 (DC at 1000 ohms p.v.). DC Ma., 0-1-10. Ohms, 0-5000-500,000. Decibels, -12 to +8/+28/+48/+54. Hardwood case. Size 6 3/4 x 3 1/2".

YOUR PRICE..... \$975

### AC-DC MODEL 411

5000 Ohms Per Volt Sensitivity  
C17217—With 3" sq. meter. 23 Ranges thru tip jacks: AC-DC Volts, 0-10-100-250-1000-5000. DC Ma., 0-10-100. AC Ma., 0-500. DC Microamps, 0-200. DC Amps, 0-1-10-25. AC Amps., 0-2.5-25. Decibels, -10 to +69 in 5 ranges. Ohms, 0-4 megs in 4 ranges. Solid walnut case. Size, 7 1/2 x 5 1/2 x 3 1/4".

YOUR PRICE..... \$1906

D17221—Portable Model 411. As above except in portable carrying case with removable hinged cover.

YOUR PRICE..... \$2151

### AC-DC Model 446

C17215 — With 3" Meters. 25 Ranges thru selector switch: DC Volts, 0-5-50-250-500-2500 at 1000 ohms p.v. AC Volts, 0-10-100-500-1000. Output Volts, 0-10-100-500-1000. DC Ma., 0-1-10-100-1000. DC Amps., 0-10. Ohms, 0-500-100,000-1 meg. Decibels, -8 to +15/+35/+49/+55. Hardwood case. Size, 3 x 3 x 5 1/2".

YOUR PRICE..... \$1171



## Volt-Ohm-Milliammeter Kits

For Build Your Own Multi-Range Testers  
Your own assembly saves money and provides education in function and features of these instruments. Can be built into completed unit similar to model 446.

### Foundation Meter

E17151—Meter only, YOUR PRICE \$358

One milliamperes. D'Arsonval type movement, 3" Scale. 1000 ohms per volt. Has easily read calibrations on long multi-range scales. Square bakelite case. Scale ranges are: 0-5/50/250/10/2500 Volts DC, 0/10/100/500/1000 Volts AC; 0/1/10/100/1000 DC Ma.; 0/1/10 DC Amps.; 0/500/100,000/1,000,000 Ohms; -8 to +15/+12 to +35/+26 to +49/+32 to +55 DB. Accuracy within 2%. Complete operating instructions and all necessary wiring diagrams are included. Ohmmeter circuit requires 3 flashlight cells, 1 1/2 volts each, which are furnished with the DC parts kit.

### Parts Kit for D.C. Ranges

All parts needed for above DC ranges. Includes a drilled and etched aluminum panel 7 1/2 x 3 1/4"; selector switch, 13 bakelite tip jacks, ohmmeter control rheostat, 2 knobs, 12 specially calibrated resistors (6 wire wound); 3-1 1/2 V. batteries. Complete instructions and wiring diagram.

### Parts Kit for A.C. Ranges

Add this kit to the above DC kit to make a complete AC-DC instrument having all of the ranges indicated in the description above. Includes a copper oxide rectifier, specially calibrated multiplier, jack, mounting bracket.

### Instrument Case

D17154—Hardwood cabinet to house either of above kits. 8 1/2 x 5 1/2 x 3 1/4".

YOUR PRICE..... \$98



# TRIPLETT TESTERS *with the Famous "Red Dot" Life-Time Guaranteed Meters*

## Model 1612 Modernistic Tube Tester

With Large 6" Scale Square Meter  
And Roll Chart for Speed and Convenience

**C17036—Model 1612 for Counter**  
Size, 15½x11½x6"  
**YOUR PRICE.....\$35.45**

**C17044—Model 1613 for Portable and Counter use.**  
Has metal detachable cover with carrying handle. Size, 15½x11½x6½"  
**YOUR PRICE.....\$41.33**

Graceful, flowing, streamline appearance, color contrast and the new low price. Will instantly appeal to the dealer and serviceman. Includes many features incorporated in higher priced Triplett Tube Testers. The large square "Red Dot" quality, life-time guaranteed meter has direct reading 6" scale and two sapphire jewel bearings. Illuminated roll chart indicates all control settings. Completely protected against obsolescence. Tests all tubes including octals, Locals, single ended, Bantam Jr.s, gaseous rectifiers, new high voltage series, ballasts and pilot lamps. Filament voltages from 1 to 120 volts are available. Separate line voltage meter eliminates necessity of readjustment of controls. Has jack for using headphones for noise indication (no headphones included). Complete shorts and leakage tests are provided with neon bulb indication. Anyone can make tube tests with the greatest speed and accuracy.



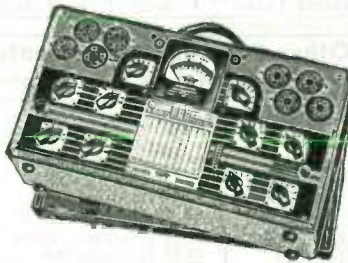
For 105-120 Volts—50-60 Cycle AC

## Anti-Obsolescence Vibrator Tester

Model 1672

**D17033—Model 1672 DeLuxe Vibrator Tester with all accessories and instructions.**  
**YOUR PRICE.....\$35.45**

Checks all standard 6 volt auto and home radio type vibrators. Tests are made under actual operating conditions. Easy to use. Roll chart indicates setting of all controls. Practically obsolescence proof. Individual element switches provide for testing new vibrators regardless of socket arrangement. Square case, lifetime guaranteed, 3" meter has three scales: (1) 0-10 volt scale shows input voltage supplied to vibrators; (2) 0-100 scale shows percentage of output voltage as reflected by change in input voltage; (3) Good-Bad scale indicates condition of output. Fused against damage from shunted vibrators. Blue-gray suede-enamel finished metal carrying case with snap-on cover. Attractive three tone panel. Size, 14½x7x4½"



## Volt-Ohm-Milliammeters

With Tilting Meter

**C17046—Model 1200A**  
**YOUR PRICE.....\$25.97**

Has separate AC and DC "Red Dot" lifetime guaranteed meters in tilting type case. Scale reading: AC-DC Volts, 0-10-50-250; 500-1000 at 2000 ohms per volt; DC Ma., 1-10-50-250; Resistance, 0.5-500 ohms with 15 ohm reading in center of scale, 0-1500 ohms, and 0-1.5-3 megohms. Resistance measurements have individual zero adjustment. Selector switch for all instrument readings. Contains 22½ and 1½V. batteries. Test leads included. Black suede enamel finished metal carrying case with snap-on protective cover. Size, 7"x4½"x3½"

Model 1200C

**C17050—Similar to 1200A except 5000 o.p.v.**  
Also tests 0-250 microamps and 0-7½ megohms.  
**YOUR PRICE.....\$38.88**

Model 1200E

**C17047—Same as above except has 25,000 ohms per volt sensitivity on DC volt ranges. Also measures 0-50 microamps, and up to 40 megohms resistance.**  
**YOUR PRICE.....\$34.47**



## Automatic Volt-Ohm-Milliammeter

Push Button Operated • 25,000 Ohms Per Volt DC

Model 1200F

**D17061—Model 1200F. Complete with accessories and instructions.**  
**YOUR PRICE.....\$33.00**

Push button switch instantly selects desired range. High sensitivity of DC ranges permit this instrument to be used on extremely low current circuits. Ranges available: AC and DC volts, 0-10-50-250-500-1000 at 25,000 o.p.v. on DC and 1000 o.p.v. on AC. DC Ma., 0-1-10-50-250. DC Microamps, 0-50. Resistance, 0-500-300-000 ohms and 0-3-30 megohms. Self contained batteries and triple zero ohms adjusters. Output readings available on AC volt ranges thru 5 mfd. condenser and separate jacks. High quality "Red Dot" life-time guaranteed 4" square meter. Plug-in rectifier. Sturdy metal carrying case with snap-on cover. Finished in brown suede enamel with three tone panel. Size 7"x6½"x5½"



## Other Triplett Instruments

Stock Number	Type Instruments	YOUR PRICE	Stock Number	Type Instruments	YOUR PRICE
E17043	1213 Tube Tester	\$26.14	E17068	1640 Condenser Bridge	\$106.82
E17042	1232A Signal Generator	35.45	E17041	1231A Signal Generator Battery operated	32.67
E17058	1621 Tube Tester	41.33	E17069	1270A Appliance Tester	35.45
E17057	1620 Tube Tester	44.92	E17070	2001 Appliance Tester	24.50
E17065	1600E Volt Ohm Milliammeter	30.35	E17097	2002 Appliance Tester	23.35
E17066	1632 Signal Generator	94.74	E17060	1183 Volt-Ohm Milliammeter	59.12
E17067	696 Dry Battery Tester	9.31	E17098	625T Portable Volt-Ohm Ammeter	23.69
E17059	1621 Case	6.05			

## Volt-Ohm-Ammeter

New Model 666S

**E17099—**  
**YOUR PRICE.....\$17.96**

A new, modern-styled, compact unit that provides the answer to all requirements for a Pocket sized Volt-Ohm-Ammeter. "Red Dot" lifetime guaranteed meter, has a compensated copper-oxide rectifier for AC measurement. Ranges are 0-25-10-50-250-1000-5000 V. DC at 10,000 ohms per volt; 0-25-10-50-250-1000-5000 V. AC at 1,000 ohms per volt. 0-100-microamps. 0-1-10-100-Ma. 0-1 10 amps DC; 0-4000-40,000 ohms. 0-4 megohms. Self contained batteries. Black molded case and panel 3½"x5½"x2¼". With battery and test leads. Sngp. Wt. 4 lbs.



**E17045—Standard Model 666H.** Has ranges AC-DC volts 0-10-50-250-1000-5000 at 1000 ohms per volt DC. DC Ma. 0-10-100-500; 0-300 250,000 ohms. "Red Dot" 3" lifetime guaranteed meter. Complete with battery and test leads. Black molded case and panel 3½"x3½"x2½". Sngp. Wt. 4 lbs.

**YOUR PRICE.....\$17.32**

**E15839—Carrying case for above**  
**YOUR PRICE.....\$4.41**

## Portable Appliance Tester



Model 2000

**E17056**  
Model 2000

**YOUR PRICE.....\$23.03**

A quick, accurate means of testing power consumption of radios and all electrical household appliances. "Red Dot" life-time guaranteed wattmeter and voltmeter for checking line voltages and wattage simultaneously. Ranges: 0-750 Watts at 110 volts, 0-1500 watts at 220 volts (Current rating 0-7.5 amperes). Dual Voltmeter scale reads 0-130 and 0-260 Volts. May be used on either AC or DC of 110 to 220 volts. Has cord to plug into wall socket and female receptacle for appliance under test. On-off switch cuts wattmeter in or out of circuit. Heavy leather carrying case with protective flap. Size 6½"x4½"x3¼"

## Readrite Tube Tester



Model 432C

**D17027—As illustrated above.**  
Size 9½"x4½"x1"  
**YOUR PRICE.....\$21.17**

Designed to test the tubes of tomorrow as well as today. A safeguard against further tube changes is provided by the flexible filament switching arrangement giving any voltage from 1 to 120. Tester has sockets for Local, Single Ended, Bantam Jr., Gaseous Rectifier, Ballast and all regular type tubes. Separate plate tests on diodes and rectifiers are provided. Neon short indicator 3" square "Red Dot" Triplett Precision Meter has a 1 M.A. D'Arsonval movement. Best quality sapphire jewel bearings. Housed in portable leatherette covered carrying case with removable hinged cover—suitable for either counter or portable use. For 105-120 volt, 60 cycle AC operation.



# "PRECISION" TEST EQUIPMENT

## Electronic — Tube — Battery — Set Testers



All Models of 910, 912 and 954 testers incorporate the following tube testing features: Dynamic test of all types tubes including Loktal, Bantams, Television, "S" types, Hearing aid, Ballasts etc. with filament voltage from 1.4 to 120 volts. Neon bulb indicates hot cathode leakages, inter-element shorts and filament continuity. Push buttons with filament pin selector switches reduce possibility of tester obsolescence due to unusual tube types.

Stock Number	Model Number	Meter Size	Case Type	YOUR PRICE
E17308	910P	3"	C	\$41.75
E17304	910MCP	3"	C	37.35
E17309	910C	3"	B	41.75
E17305	912P	4-1/4"	C	46.15
E17306	912MCP	4-1/4"	A	41.75

Models 912 and 954 test "Portable Radio" batteries of 1.5 to 135 volts under actual operating load conditions. Model 954 in addition to above features has AC-DC voltage ranges of 0-3-12-60-300-600-1200-6000. (DC at 20,000 ohms per volt, AC at 1000 ohms per volt). DC Ma 0-3-30-120-600. DC amps 0-12. DC microamps 0-60-300. Ohms 0-60,000-600,000 ohms—60 megohms. 6 db ranges from —12 to +70.

Stock Number	Model Number	Meter Size	Case Type	YOUR PRICE
E17307	912C	4-1/4"	B	\$46.15
E17290	954P	4-1/4"	C	81.35
E17291	954MCP	4-1/4"	A	76.95
E17292	954C	4-1/4"	B	81.35

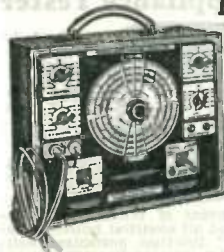
All Testers for 105-120 V. 50-60 cycle AC.

### Model E 200

#### Signal Generator

E17333—  
YOUR PRICE \$43.95

Designed for servicing by Signal Substitution. The E 200 covers 90 KC to 88 MC in 6 bands. Supplies AVC voltage which is adjustable to the AVC voltage developed by the receiver. Switch provides 4 outputs, unmodulated RF, 400 cycle modulated RF, externally modulated RF, and 400 cycle Audio Output. 6 1/2" Full vision dial, in black ripple steel case. Size 12"x10 1/2"x6 1/2". With tubes, co-axial cable and book describing the method of Servicing by Signal Substitution. For 115 V. 60 cycles. Wt. 20 lbs.



## American RF and AF Signal Generator

### Model 4103

A fine signal generator preed within the reach of every radio serviceman. Features a fundamental coverage of 100 Kc. to 30 Mc on six bands. Large 6" directly calibrated dial, accurate to within 1/2% of 1% on IF frequencies, 1% on broadcast and 2% on higher frequencies. Employs an improved electron-coupled oscillator circuit with minimum drift and a Hartley AF oscillator. RF can be unmodulated or modulated and the AF can also be used separately for testing of amplifiers, etc. Audio and modulation is available at three frequencies of 400, 1000 and 5000 cycles. Controls on panel are RF tuning selector, band selector, audio selector, full range attenuator, power switch, modulation switch and output jacks for RF and AF. Completely shielded. Heavy gauge frosted aluminum panel finished in chrome, red and black. Grey wrinkle finished streamlined cabinet with carrying handle. Size 14x6x11".

D17199—Model 4103, RF and AF Signal Generator. Complete with tubes, shielded cables and instructions. For 90-125 volt 50-60 cycle AC operation. Ship. wt. 15 lbs.  
YOUR PRICE \$17.85

### Other Precision Instruments

Literature on any model will be sent on request

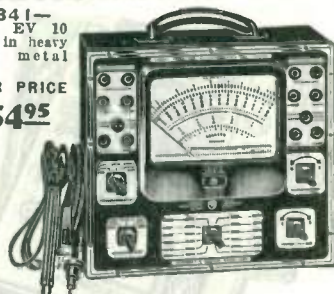
Stock No.	Model No.	YOUR PRICE	Type Instrument
E17324	844P	\$29.65	Volt-ohm Ma.
E17318	844L	27.45	Volt-ohm Ma.
E17319	845L	31.85	Volt-ohm Ma.
E17320	845P	34.05	Volt-ohm Ma.
E17321	856L	41.75	Multi Rge. Tester
E17322	856P	43.95	Multi Rge. Tester
E17323	864	50.55	Volt-ohm Ma.
E17325	914	50.55	Tube & Batt. tester
E17331	915	63.75	Tube & Batt. tester
E17301	920C	65.95	Tube tester
E17300	920P	65.95	Tube tester
E17302	920MCP	61.55	Tube tester
E17332	922	82.45	Tube & Batt. tester
E17334	J-P	24.15	Multi Range AC ammeter

## E V 10 Multi Range Tester

E17341—  
Model EV 10  
MCP in heavy  
gauge metal  
case.

YOUR PRICE

\$54.95



A Multi-range, electronic volt-ohm-decibel-milli-ammeter plus a vacuum tube voltmeter. 7" bakelite case meter. The 8" zero-center V.T.V.M. ranges are:  $\pm 3$ ,  $\pm 6$ ,  $\pm 12$ ,  $\pm 60$ ,  $\pm 300$ ,  $\pm 600$ ,  $\pm 1,200$ ,  $\pm 6,000$  V. DC. Input resistance up to  $\pm 600$  V at 13 1/2 meg;  $\pm 1200$  V at 26 1/2 meg;  $\pm 6000$  at 133 1/2 meg. Resistance ranges are 0-200-200,000 ohms; 0-2-20-200-2,000 meg. 0-3-6-12-60-300-600-1,200-6000 V. AC and DC at 1000 ohms per volt; 0-600 microamps, 0-3-12-60-300-1,200 Ma. 0-12 amps. Six circuit probing, zero-center, V.T.V.M. ranges:  $\pm 3$ ,  $\pm 6$ ,  $\pm 12$ ,  $\pm 60$ ,  $\pm 300$ ,  $\pm 600$  V. DC. Has special shielded coaxial test cable. With tubes, probes, battery, etc. Size: 12" x 10 1/2" x 6". For 115 V. 60 cycles.

## Model 832A AC-DC Multi-Tester

D17310 — With battery.  
Less test leads. \$18.65

YOUR PRICE

Features 3 1/2" sq. meter providing 31 ranges: DC Volts, 0-6-30-150-300-600-1200 at 1000 O.P.V. AC Volts, 0-12-60-300-600-1200-2400. DC Ma., 0-1-2-12-120-600. Ohms, 0-5000-500M on self contained 3 V. battery. Ohmmeter adjuster. Decibels, -10 to +62 on six ranges. All resistors at 1% accuracy. Hardwood wall mount, finished carrying case. Size 7 1/4" x 5".



## Carron Signal Generator

A laboratory type precision signal generator covering a range from 60 KC. to 45 MC. in 6 fundamental bands. Built in meter together with calibrated 4 step ladder attenuator and potentiometer provide an accurate variation and indication of RF. output from a fraction of a microvolt to one volt. Internal 400 cycle note provides 30% modulation of RF. signal. Calibrated charts are provided for each range. Grey case size 9"x9"x7". For 110-120 V. 50-60 cycle AC.

E17344—Model CCJ—Complete with tubes, wires, read for operation.  
YOUR PRICE \$43.12

## Model CC J Essential Parts Kit

E17345—Kit contains: condensers, chassis, panel, cabinet, trans. Ladder attenuator, coil, dial, line filter.  
YOUR PRICE \$19.48  
E17346—Misc. Parts. With above Kit will build complete unit.  
YOUR PRICE \$16.94



## Carron Signal Tracing Amplifier

### Model CCH

D17287—  
YOUR PRICE \$43.22

Makes gain and frequency measurements over a range of 55 Kc to 17Mc in 5 bands. Uses 615 electron eye as an indicator tube; 4 step 60 db. attenuator; built-in speaker; direct reading dial; input capacitance of only 2 mmf. Tests all RF, IF and oscillator functions. Grey wrinkle metal cabinet. Complete with 30" co-axial cable and 7 tubes. Size, 9"x9"x7". Shpg. wt., 14 lbs. For 115 V. 60 cycle.

### Model CCH Kit

E17288—Essential Kit. Consists of 5 band 2 stage RF assembly, two-gang condenser, dial and hdwe, chassis panel, case, switch and RF cable.  
YOUR PRICE \$20.10

E17289—Tubes and Miscellaneous Parts. Includes resistors, condensers, sockets, power transformer, 3" dynamic speaker, etc., 2-6SK7, one 6F8G, 5Z4, 6U5, 6V6G.  
YOUR PRICE \$14.95



## Carron B.F. Audio Oscillator

### Model CCA

D17326—  
YOUR PRICE \$27.45

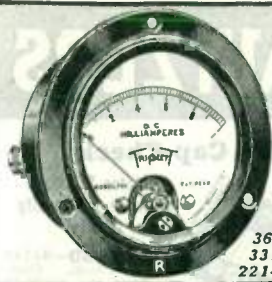
This instrument is indispensable for providing overall fidelity checks on audio amplifiers and receivers, determination of modulation capabilities, checking for speaker rattle, etc. Covers from 20 to 16,000 cycles per second. Has sinusoidal wave form with maximum distortion under 2%. Output flat within 1.8 db. over range. Has a 15-volt RMS output into a 100,000 ohm load. Grey wrinkle finish metal cabinet 7"x7"x9". Full vision dial. Uses 2-6SJ7, 2-6C5, 1-5Z4, 1-6U5. Has a 60 cycle calibrator. Complete with tubes.  
FOR 115 V. 60 cycles.

### Model CCA Kit

E17327—Contains oscillator unit, filter, 385 mmf. variable condenser, punched and drilled 7"x9"x2" chassis base, panel and cabinet, hardware, dial parts, etc.  
YOUR PRICE \$11.27  
E17328—Tubes and Miscellaneous Parts. Contains resistors, condensers, transformer, sockets. 2-6SJ7, 2-6C5, 1-5Z4, 1-6U5 tubes.  
YOUR PRICE \$11.93





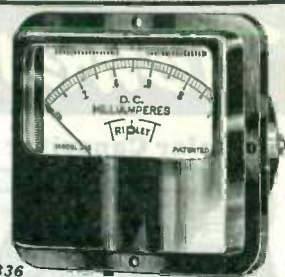


# TRIPLET

## PRECISION METERS D'Arsonval Moving Coil Type

Amateurs—Service Men—Engineers—Rugged dependable meters accurate to within 2% at 70° F. Clear white enameled dials. Balanced aluminum indicating pointers. Zero adjustment. Genuine polished Sapphire jeweled bearings.

Models 321 DC—331 AC—341 RF—361 Watts: Flush type wide flange, 3 1/2" diameter. Scale length 2 3/4". 2 3/4" mounting hole required. Bakelite case. Models 221 DC—231 AC. Fits into 2 3/4" hole. Bakelite case with flush type wide flange. Models 326 DC—336 AC. 3" Square Type. Scale length 2 3/4". Wide flange. Bakelite case. 2" Mounting hole required.



326-336

### RF THERMO AMMETERS

With External Coupler—Accuracy 2%

Stock Number	Amps. Range	Approx. Resis.	Model	Your Price
C10261	.5	.93	341	\$7.84
C10262	1	.35	341	7.84
C10263	1.5	.21	341	7.84
C10264	2.5	.13	341	7.84
C10265	5	.06	341	7.84

### D. C. AMMETERS

Amps.	326	321	Net	221	Net
0-10	10196	10211		10226	
0-25	10197	10212	\$4.58	10227	\$3.60

### A. C. MILLIAMMETERS

MA.	336	331	Net	231	Net
0-50		10236		10242	
0-500	10231	10237	\$4.58	10243	\$3.60

### A. C. AMMETERS

Amps.	336	331	Net	231	Net
0-1	10232	10238		10244	
0-3		10239	\$4.58	10245	\$3.60
0-10	10234	10240		10246	

### D. C. MILLIAMMETERS

MA.	Model 326 Sq.	Model 321 Rd.	Your Price	Model 221 Rd.	Your Price
0-1	10186	10291	\$5.56	10216	\$4.58
0-10	10188	10293		10218	
0-30	10189	10294		10219	
0-50	10190	10295	\$4.58	10220	\$3.60
0-100	10191	10296		10221	
0-200	10192	10297		10222	
0-500	10194	10299		10224	
0-1000	10266	10267		10214	
		10268		10215	

### D. C. VOLTMETERS

1000 Ohms Per Volt

Volts	326	321	Net	221	Net
0-10	10121	10133	\$6.54	10145	\$5.22
0-100		10134	6.86	10146	6.21
0-300	10123	10135	7.84	10147	6.86
0-500		10136	8.82	10148	7.84
*0-750		10271	10.95	10274	9.48
*0-1000		10272	12.74	10113	11.27
*0-2000		10273	19.68	10114	18.30

\*Supplied with external multiplier.

### D. C. VOLTMETERS

125 Ohms Per Volt

Volts	Model 326 Sq.	Model 321 Rd.	Your Price	Model 221 Rd.	Your Price
0-10	10115	10127		10139	
0-50	10116	10128	\$4.58	10140	\$3.60
0-150	10117	10129		10141	
0-250		10130	\$5.56	10142	\$4.58

### A. C. VOLTMETERS

Volts	336	331	Net	231	Net
0-1.5		10162		10173	
0-6				10178	
0-10	10154	10165	\$4.58	10176	\$3.60
0-15	10171	10175		10182	
0-25		10166		10177	
0-100		10168		10179	
0-150	10158	10169	\$5.56	10180	\$4.58
0-300	10159	10170	6.54	10181	5.88

### WATTMETERS—Single Phase

Model 361—DC or 25-133 C.P.S. AC

Stock Number	Range Watts	Volts Limit	Mills Limit	Your Price
E10420	75	150	500	\$12.57
E10421	150	150	1000	12.57
E10422	300	150	2000	12.57
E10423	750	150	5000	12.57
E10424	1500	300	5000	14.54

## Readrite Panel Meters



Accuracy guaranteed within 5%. White dial, black lettering, metal shell. Mounting clamp included. Requires 2 1/2" mounting hole.

### D. C. Voltmeters

Without Zero Adjustment 55 Round				With Zero Adjustment 95 Square			
Stock Num.	Your Price	Stock Num.	Your Price	Scale Volts	Ohms Resist.	Stock Num.	Your Price
A10300	73c	A10380	\$1.00	0-1	30	A10313	94c
A10301		A10381		0-3	175	A10314	
A10302		A10382		0-6	550	A10315	
A10304		A10383		0-8	850	A10317	
A10305		A10384		0-10	1,475	A10318	
A10308		A10386		0-25	1,625	A10321	
A10309	88c	A10387	\$1.15	0-50	3,250	A10322	\$1.09
A10311	\$1.32	A10388	\$1.59	0-150	9,750	A10324	\$1.53

### D. C. Milliammeters

Stock Num.	Your Price	Stock Num.	Scale Volts	Ohms Resist.	Stock Num.	Your Price
A10326	\$1.62	A10389	0-5	2,160	A10338	\$1.83
A10327	1.47	A10390	0-10	700	A10339	1.68
A10328		A10391	0-25	85	A10340	
A10329		A10392	0-50	20	A10341	
A10330	73c	A10393	0-100	5.5	A10342	94c
A10331		A10394	0-200	1.9	A10343	
A10332		A10395	0-400	.5	A10344	

### D. C. Ammeters

Stock Num.	Your Price	Stock Num.	Scale Volts	Ohms Resist.	Stock Num.	Your Price
A10334		A10396	0-3		A10346	
A10335	73c	A10397	0-5		A10347	94c
A10336		A10398	0-10		A10348	
A10337		A10399	20-0-20		A10349	

### A. C. Voltmeters

Model 55			Model 95			Model 55			Model 95		
Stock Num.	Your Price	Scale Volts	Stock Num.	Your Price	Scale Volts	Stock Num.	Your Price	Scale Volts	Stock Num.	Your Price	Scale Volts
A10351	\$2.06	0-10	A10430	\$2.33	0-5	A10355	\$2.06	0-5	A10434	\$2.60	0-10
A10352	\$3.23	0-15	A10431	\$3.50	0-10	A10356	\$2.79	0-10	A10435	\$3.06	0-10
A10353	\$5.59	0-150	A10432	\$5.86	0-50ma	A10357	\$2.79	0-50	A10436	\$3.06	0-50ma
A10354		0-750	A10433			A10358	2.06	0-50ma	A10437	2.33	

## Resistance Meter



Model 501

Direct reading volt ohm meter. 0-4 1/2 volts, 0-10,000 ohms. 2" flange type meter. Requires 4 1/2" volt battery in series with the meter and fresh batteries.

A10360—YOUR PRICE \$118

## Readrite Meter

Flange

Wide flange 2 1/2 inches diameter. Fits any Model 55 Meter for flange mounting. Black finish.

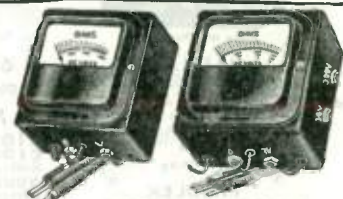
A10361—YOUR PRICE 12c



Radolek can supply any Readrite or Triplet Instrument. Send us your order giving name and model number of the instrument you desire, and your order will be shipped promptly. Complete literature covering any instrument in either line will be mailed upon request.

## Readrite Volt-Ohmmeters

Handy pocket size instruments adaptable to voltage and continuity testing of radio receivers. Testers have square Readrite meters with large easy-to-read dial scale. Case is black wood. Test leads attached with switch terminal jacks at sides. Size only 2 1/2"x2 1/2"x2". Complete with self-contained 3 volt battery.



C10248—Ranges: DC Volts, 0-300. Ohms, 0-10,000. YOUR PRICE \$279  
C10249—Ranges: DC Volts, 0-300. Ohms, 0-10,000. YOUR PRICE \$338

## Readrite Volt-Ohm Milliammeters

With Triplet "Red Dot" Meters

A quality constructed volt-ohm-milliammeter tester at an exceptionally low price. Attractive molded case has corners rounded with modernistic silver and black panel. Precision life-time guaranteed 3" 80 D'Arsonval movement meters have 2 genuine sapphire jewel bearings and zero scale adjustment screw. Range selector switch provides: AC-DC volts, 0-15-150-750-1500 (DC at 1000 o.p.v.). DC Milliamperes, 0-1 1/2-15-150. Ohms, 0-500 (25 ohms at mid-scale) and 0-500,000. Has ohmmeter adjuster for battery deterioration. Case size: 3 1/2"x5 1/2"x2 1/2".

C17030—Model 739. Complete with test leads, battery and instructions. YOUR PRICE \$1176  
C17031—Model 738. Same as above Model 739 but does not have AC voltage ranges. YOUR PRICE \$897



## "Big Boy" Volt-Ohm-Milliammeter

With 6" Scale Meter  
Model 860



D17012—Model 860. Complete with test leads and instructions. Battery provided for ohms ranges up to 100,000 ohms. (Has provisions for self-contained 22 1/2 volt C battery for higher ohm ranges). YOUR PRICE \$2117

Incorporates a fine quality giant 6 inch scale D'Arsonval movement type meter featuring two genuine sapphire jewel bearings. All scales are easily and readily readable. Ranges: DC Volts, 0-10-50-250-500-1000 at 1000 o.p.v. AC Volts, 0-10-50-250-1000 at 400 o.p.v. DC Ma., 0-1-10-100. Resistance, 0-500-100,000-1.5 megohms with zero adjustment. Selector switch makes all ranges instantly available at three tip jacks. Attractively designed metal case finished in maroon with cream-yellow panel and red trim and markings. Size 11 1/2"x7 1/2"x4 1/2". Attached handle for carrying.



# Newest CONDENSER ANALYZERS

## Solar Capacitor and Resistance Bridge Analyzer

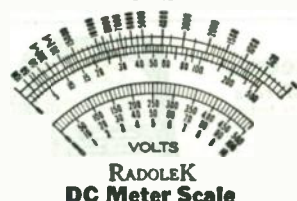
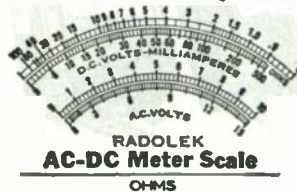
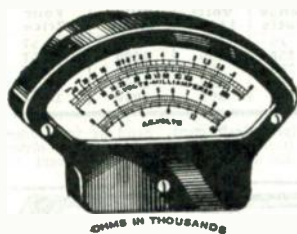


C17180—For 105-120 volt, 50-60 cycle A.C. operation. Complete with tubes. Model CB-1-60.  
**YOUR PRICE ..... \$25.48**

Measures capacity and shows exact condition of all types of electrolytic, paper, mica and air condensers from .0001 to 70.9 Mfd. Indicates power factors from zero to 50%. Accurately measures resistance of all types of carbon and wirewound resistors from 50 to 2,000,000 ohms. Measures leakage resistance up to 1,000 megohms with an applied voltage of up to 450 volts DC. Detects shorts, opens, leaks and other defects in condensers. May be used as continuity meter for testing any circuit. All measurements are made simply and directly on five color-coded scales with more than 45 linear inches of accurately calibrated markings. Simple, fast and accurate in operation. A type 6E5 Cathode Ray tube, used as a visual bridge detector, gives a positive indication of balance on all capacity, resistance and power factor measurements. Requires no external meters, standard headphones, or similar accessories. Uses 1-6E5, 1-1V tube, Oak finished portable carrying case with removable hinged cover. Size, 9 1/2" x 7 1/2" x 6 1/2".

E17173—Model CC-1-60. Similar to CB-1-60 above except measures capacities up to 800 mfd. and insulation resistances with applied voltage up to 600. Sloping panel. Removable hinged cover. Size: 9 1/2" x 7 1/2" x 6 1/2".  
**YOUR PRICE ..... \$31.85**

## New Radolek Universal Foundation Meters



Foundation units for building a high class volt - ohm - milliammeter. All meters have rugged DC D'Arsonval movements with 2% accuracy, sapphire jeweled bearings, knife-edge pointers and zero adjustment. Supplied with either DC or AC-DC calibrated dial scales. AC-DC meters are for use with external rectifiers. All types have black bakelite cases. Fan Type Meters measure 4 1/2" x 3 1/2" across front and mount in 2 1/2" round hole. 3 1/2" Round Meter fits 2 1/2" hole. Giant 3 1/2" Meter requires 4 1/2" hole. All meters extend 1 1/2" back of panel. Wiring diagram for building a multi-tester included.

### 0-1 Ma. DC Movement (1000 O.P.V.) Meter

50 Ohms internal resistance. 0-1 Ma. DC movement.

#### Fan Type Meter

C10475—With DC Scale.  
C10476—With AC-DC Scale.  
**YOUR PRICE, Each.... \$5.50**

#### Round Meter

Available with DC scale only.  
D10290—3 1/2" Dia.  
**YOUR PRICE..... \$6.25**  
D10291—3 1/2" Dia.  
**YOUR PRICE..... \$8.50**

### 5,000 Ohms Per Volt Foundation Meters

0-200 D.C. microampere movement. Meter resistance 50 ohms.

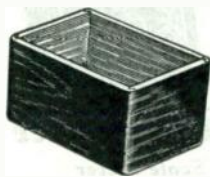
C10484—A.C.-D.C. Scale. **YOUR PRICE, EA..... \$7.33**  
C10485—D.C. Scale. **YOUR PRICE, EA..... \$6.25**

### 20,000 Ohms Per Volt Foundation Meters

0-50 DC microampere movement. Meter resistance 1,550 ohms.

C10480—A.C.-D.C. Scale. **YOUR PRICE, EA..... \$13.20**  
C10481—D.C. Scale. **YOUR PRICE, EA..... \$12.46**

## INSTRUMENT CASES AND BAKELITE PANELS



**Less Cover**  
**Oak or Walnut**  
C15800 — For Panel 4 1/2" x 7". Inside size: 4" W., 6 1/2" L, 3 1/2" D.  
C15808 — For Panel 5 1/2" x 7". Inside size: 5 1/2" W., 7 1/2" L, 4" D.  
**YOUR PRICE, Ea. 95c**



**With Cover**  
Cover allows 1 1/2" clearance above panel.  
K15802 — For Panel 4 1/2" x 7". Inside size: 4 1/2" wide, 7" long, 3 1/2" deep.  
**YOUR PRICE.. \$1.96**

K15803 — For Panel 5 1/2" x 7". Inside size: 5 1/2" wide, 8 1/2" long, 4 1/2" deep.  
**YOUR PRICE.. \$2.38**



**Portable Case**  
Body built of thin but very strong wood. Covered outside and top rim with finest quality black leatherette. Attractively grained. This case will stand years of hard service. Takes any 5 1/2" x 7 1/2" panel. Leather handle. Detachable cover with clasp lock. Height 6 1/2" inches.  
K15804—  
List Price, \$3.50.  
**YOUR PRICE ..\$2.06**

### Black Bakelite Test Panels

#### For Instrument Cases

Polished Bakelite to fit Professional Type Instrument Cases. Supplied square. Corners must be filed round to fit exactly on the standard cases.  
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K11301—4 1/2" x 7 1/2" Not Each .74  
K11302—4 1/2" x 7 1/2" Not Each .81  
K11303—4 1/2" x 7 1/2" Not Each .87  
K11340—4 1/2" x 7 1/2" Not Each .89  
K11304—4 1/2" x 7 1/2" Not Each 1.08

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**Motor Starting Condenser Capacity Checker**

E17160—Solar Cap-Check. Complete and ready to operate.

**YOUR PRICE \$11.71**

A simple instrument that substitutes directly for any given installation. Also acts as an emergency replacement and can be left in the circuit until the correct capacitor is obtained. The Cap-Check incorporates a tapped A.C. electrolytic capacitor. The various taps are connected to switches which allow the selection of capacitance values from 30 to 180 mfd. in 15 steps. This arrangement permits simple and quick determination of the proper capacitor which will start a motor within 3 seconds at less than 138 volts A.C. "On" indicator shows the length of time capacitor is in the circuit during the starting period. Has neon bulb overload indicator which glows when the capacitor has reached its peak of 180 volts. Case size: 6 1/2" x 4 1/2". Black wrinkle finish trimmed with chrome. For 110V. 60 cycle A.C. Shpg. wt. 4 lbs.

## Full Wave Copper Oxide Rectifiers

**Type A 5 Milliamperes Capacity**  
1/2" Square. 1/2" Mtg. Ctrs.  
K3850—  
**YOUR PRICE \$2.59**  
Miniature copper oxide rectifier. Guaranteed the finest made for converting D.C. instruments drawing less than 5 milliamperes to A.C.

**Type B 20 Milliamperes Capacity**  
Size 1 1/2" round disc, 1/4" long.  
K3851—  
**YOUR PRICE..... \$1.95**  
Medium miniature size copper oxide rectifier for use in A.C. circuits of less than 5000 cycles frequency and rectifying not over 20 ma. Has 6-32 insulated mounting bolt.

**Type C 40 Milliamperes Capacity**  
Size 1 1/2" round disc, overall size 1 1/2" x 1 1/2"  
K3852—  
**YOUR PRICE..... \$1.75**  
Copper oxide rectifier for A.C. circuits of less than 5000 cycles frequency and not to exceed 40 milliamperes D.C. current. Excellent for rectification of 110-115 volt A.C. current for field excitation of dynamic speakers with 2550 to 3000 ohm field. Do not use on circuits over 600 volts.

## Conant "CRS" Rectifiers

Especially designed for use with DC meters in making AC measurements. Complete instructions included with each rectifier.  
A3853—Type B—Very small full-wave rectifier. Very efficient at high frequencies. Max. rating 10 volts AC input and 5 Ma. output. Body size, 1 1/2" x 1 1/2" x 1 1/2".  
A3854—Type M—Full wave rectifier. Used in many test instruments. Rated 10 volts AC input max. with 20 Ma. output. Can be overloaded 200% at intervals. Size 1 1/2" x 1 1/2" x 1 1/2".  
**YOUR PRICE, Each.... \$2.06**  
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**YOUR PRICE..... 88c**

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**Oak or Walnut**  
K15805—  
**YOUR PRICE \$3.55**  
Takes standard 7" x 14" x 1 1/2" bakelite panel listed at left. Partition for panel support provides room for analyzer cable, test leads, etc. Inside dimensions 8 1/2" x 14" x 3 1/2" deep. Slip-hinged cover has 1 1/2" inside clearance. Metal handle. Clasp lock. Lacquer finished.



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## You Need All Twelve!

Every serviceman who wants to service radios faster, eliminate guess work, and have real alignment and circuit data, should use Rider's manuals. In these 12 Manuals there is a wealth of information about every radio set manufactured—from the first in 1919 to the latest model at the time of

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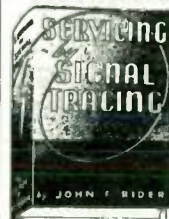
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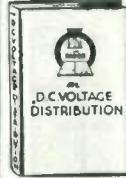
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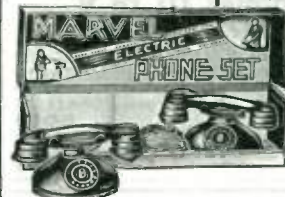
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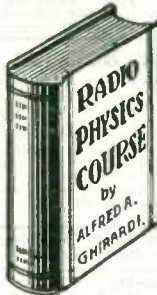


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## "A Carron Cone Improves The Tone"

If the cone you need is not listed here—here's how to help us give you FAST SERVICE:  
1—Send in your old cone with voice coil attached.  
2—Specify if possible set name and model number,

also make and model number of speaker from which cone is removed. 3—Be sure your name, address and instructions are attached to package. In most cases we can make immediate shipment.

## 1 2 3 FEATURES

- 1— One piece seamless cones
- 2— Due to improved molded construction, these cones surpass the originals in tone quality and durability.
- 3— Coils are machine wound, same number of turns and size of wire as originals.

Set, Spkr. Mod. or Part Num.	Dia. In.	Stock No.	Your Price
<b>Admiral</b> 5A, 5X, 6B, 6M, A1, A2, A3	6 1/4	16132	\$0.88
<b>Aircraft</b> 885, 4068	8	16133	1.18
<b>Airline</b> (Mont. Ward) 178, 175, 176, 177, 178, 179 175, 176, 190 198, 425, 475	6 1/4 8 8 5 1/2	16270 16015 16012 16269	.88 1.32 1.32 .73
236, 263 274, 288, 290, 326, 330, 350, 351, 352 518	5 1/2 5	16272 16269	.73 .73
<b>Atwater Kent</b> 43, 46, 55, 60, 66, 67, 64, F4, (Pt. No. 15142) 43, 46, 55, 60, 66, 67, 64, F2 (Pt. No. 14374)	10 1/4 10 1/4	16020 16021	1.32 1.32
80, 82, 82Q, 83, 84, 84D, 85, 85Q, 90, 90F, 1352, 134, 206, 225, 246, 266, 287, 337, 356, 376, 425, 427, 435, 465, 467, 469Q, 525, 558D, 558Q, 735, (Pt. 19465)	8 1/4	16022	1.18
<b>H2, L. F. P. H. N.</b> (Pt. No. 18081) 83, 85, 87, 87D, 89, 89F, 94, 94F, 96, 96F, 99, 180, 186F, 215Z, 260F, 286, 310, 318, 325, 328, 376, 408, 448, 489, 469D, 469F, 475, 480, 510, 559, 788, 848 (Pt. 20737) 112, 511, 711, 810, (Pt. 26243), 710	10 1/4 10 1/4	16023 16019	1.32 1.32
<b>Belmont</b> 401A 425 517 580 575 663 666, 690 687, 740 (Oper.) 777 (Jensen F6R)	5 5 5 5 5 5 5 1/2 6	16170 16134 16135 16010 16090 16136 16273 16270 16089	.73 .73 .73 .73 .73 .73 .88 .88 .88
<b>Bosch</b> 5A, 39A 43, 58 501, 505, 565W, 634A, 640	7 9 1/4 6 1/4	16033 16031 16027	.88 1.62 1.88
<b>Brunswick</b> 21, 31, 821, 831, 81, 82, 881, 882	12	16039	1.70
<b>Crosley</b> 308, 408, M45, 628, 262, Dynacoll 68, 143, 146, 157, 315-4, 325-4, 7H-2 A157, 517, 547, 5517 515 (Utah 219B), 418	8 1/4 8 8 5	16050 16137 16352 16055	1.47 1.32 1.32 .73
515 (Mag.), A366 719E, C-648-A 555 628B 645 717	5 1/4 6 1/4 6 1/4 6 6	16105 16074 16056 16220 16139 16131	.73 1.62 .88 .88 .88 1.18

Set, Spkr. Mod. or Part Num.	Dia. In.	Stock No.	Your Price
<b>Emerson</b> A 107, 111 (Magnavox) K116, K121, K123 A130, 132, 140, 149 157 BA199, BA201 250AW AX211, 4x5-324	5 1/4 5 5 5 5 5 5	16170 16105 16271 16290 16135 16124 16082 16075	\$0.73 .73 .73 .73 .73 .73 .59
<b>Fada</b> 365C, 366C KU45, 65, 41, 412, 42, 422, 44, 46, 47, 12A, 12B, KG43, KG761, 762, 766, 45Z, KW48, 49	8 10 1/4	16141 16059	1.18 1.62
<b>Fairbanks-Morse</b> C4, C5, 9A 58T1, 58T2, 68T6	6 1/4 6	16139 16143	.88 .88
<b>General Electric</b> H31, H32, 51, 71, H508 S22, S22X, S42 S42B, S242P, T41, K62 J80, J85, S132, J2835 (Pt. 8601) B40, C41 (Pt. 9023) A52, A55, A64, A65, A70, A83 E53, E62, A63 (U70) E61, E68, E81, E86, E28, E105, M91E, E76, E95, E106	10 1/4 4 10 1/4 10 1/4 5 8 6 1/4 12	16060 16076 16061 16062 16096 16097 16274	1.18 59 .88 .59 .73 .59 1.18
<b>Grunow</b> 6-GB1-3 12A1, 12A2, 12A6, 12C4 108C2, 108C9, 108C10 6M 500, 504 (6B) 566, 810G1-1	6 1/4 12 12 10 8	16277 16072 16276 16276 16278	.88 1.70 1.62 1.62 1.32
650, 651, 750, 661, 670 (8A3, 8A4, 8C4) 450, 460, 660, 662, 4B, 6C, 8B13, 8B3, 801, 701, 752, 751, 753, 671, 1152 612, 1162 (10A1-2- 3-4-5), 10A1, 90, 902, 101, 1291, 1264-1, 1151, 1161 (12A3)	8 1/4 7 1/4 10 1/4 12 12	16070 16071 16066 16072 16073	1.32 1.32 1.62 1.70 1.70
<b>Jensen D7, D8</b> D9 (Inside Spider) T3 GR, PM6C PM5E PMRD, ESR PM10C PM12C, G12R Series "PBR" Series "F5R"	11 1/4 11 1/4 5 5 5 12 12 6 6	16012 16008 16081 16093 16280 16281 16144 16095 16096 16174 16090	1.70 1.62 .73 .88 .73 1.32 1.62 1.18 1.18 .88 1.71
PM12B PM10GS, G10RS PMRDS, PMSGS H-6-S PM6GS PM12GS G6RS	12 10 8 6 1/4 6 1/4 12 6 1/4	16009 16001 16002 16003 16004 16005 16006	1.71 1.62 1.32 .88 .88 .88 .88
<b>Kadette</b> —68 21, 22, 23, 86	5 5	16135 16146	.73 .73
<b>Lyric</b> —412	12	16147	1.70
<b>Magnavox</b> —195 D7, D8, D6, D80, D90, 100 132, 162 152X, 252PM, 160, 170 48C, 154D, 158, 168, 254PM (2 pt. sprd.)	5 11 1/4 10 10 8	16104 16035 16148 16107 16108	.73 1.62 1.70 1.62 1.32

Set, Spkr. Mod. or Part Num.	Dia. In.	Stock No.	Your Price
<b>Majestic</b>			
G1—71, 72	9	16109	\$1.32
G2—71, 72, 91, 92, 181	9	16110	1.32
G10B-C-D-E—151	7 1/2	16113	1.18
153, 154, 155, 156			
G11B, G11C, 251	10	16114	1.41
253, 254, 201, 203, 204, 211, 214	12	16115	1.47
G13B, G13C, 353, 215	6 1/2	16120	.88
G24—116, Ford			
G26A—411, 413, 411A, 413A, 371, 373, G26C	5	16122	.73
<b>Operadio—7505</b>	10	16149	1.62
12A269	12	16164	1.71
<b>OXFORD</b>			
5A	5	16165	.73
12AMP, 12MS1, 12MS2	12	16166	1.71
<b>For Philco</b>			
Pt. 36-3029: Models 54, 57, 58, 59, 60, 602, 604, 37-600, 37-602, 37-604.			
<b>C16155—5 1/4 in.</b>			.59
<b>YOUR PRICE</b>			
Pts. 02861, 02970, 36-3027: Models 11, 28 (P21), 45 (P19), 48, 50, 50A, 51 & 51A (P1), 52 (P), 80, 81, 610.			
<b>C16156—5 1/4 in.</b>			.59
<b>YOUR PRICE</b>			
Pts. 36-3014, 36-3157: Models 34, 38, 38A, 60, 66, 84, 611, 620, 625, 37-84, 37-89, 37-610, 37-611 (S15), 37-620, 700, 37-60, 37-62, 38-15, 38-7, 38-8, 38-9, 57.			
<b>C16154—7 1/4 in.</b>			.59
<b>YOUR PRICE</b>			
Pts. 02823, 36-3020, 36-3159, 36-3174: Models 14, 18 (K17), 19, 28 (K27), 32, 38 (123), 39, 43, 45 (K22), 47, 49 (K13), 71, 89 (123), 91, 97 (K31), 118 (K17), 144 (K23), 623, 630, 635, 640 (K31), 642, 643, 645, 655, 37-630 (K38), 37-640 (K34), 37-650 (K35), 37-660 (K36), 37-670 (K37), 6, 7, 8, 9, 10, 10-122, 12 (KR) CT11.			
<b>C16158—7 1/4 in.</b>			.59
<b>YOUR PRICE</b>			
Pts. 02996-2769B: Models 20, 20A, 21, 46, 70, 70A, 90 & 90A (45's or 1-47, K2), 470, 470A, 490, 650 (K17).			
<b>C16152—8 1/4 in.</b>			.73
<b>YOUR PRICE</b>			
Pts. 02870, 37-632, 816, (FT9) 5 in.			
<b>C16163 Ford 817</b>			.59
<b>YOUR PRICE</b>			
Pts. 02825, 02807: Models 14 & 15 (Twin Spkrs.), 18, 18 (124-H13), 19 (28), 29, 44, 49 (H13), 97 (H21), 116 (121), 118 (H13), 144 (H16), 640 (H21), 650 (H13), 660, 665, 37-630 (H24), 37-640 (H25), 37-650 (H26), 37-660 (H27), 36-670 (H28), 29X, 61, H9.			
<b>C16160—10 1/4 in.</b>			.82
<b>YOUR PRICE</b>			
Pts. 02874, 02497, 02974B, 2814B, 2844A, 36-3170: Models 45, 65, 76, 77, 87, 90 (2-47's), 90 & 90A (45's or 1-47-H2), 95, 96, 111, 111A, 112 & 112A (45's).			
<b>C16155—10 1/4 in.</b>			.82
<b>YOUR PRICE</b>			
(P14) (P15), F1540, G1528, 926, CB4 to C56.			
<b>C16161—6 in.</b>			.59
<b>YOUR PRICE</b>			
Model C16108.			
<b>C16297—6 in.</b>			.59
<b>YOUR PRICE</b>			
Model F1640.			
<b>C16298—7 1/4 in.</b>			.59
<b>YOUR PRICE</b>			
Pt. 36-3981: Models 38-12, code 121, 38-14, code 121, 38-15, code 121, 38-17T.			
<b>C16299—5 1/4 in.</b>			.73
<b>YOUR PRICE</b>			
Pt. 45-1344: Model 38-12, code 121, Run 6.			
<b>C16299—5 1/4 in.</b>			.59
<b>YOUR PRICE</b>			

Set, Spkr. Mod. or Part Num.	Dia. In.	Stock No.	Your Price
<b>PHILCO-Cont.</b> TH-4 TP12, TP25 AR1 1708, F1740 730047-3 Pt. 45-2607 Model C1550 Pt. 45-2653 Model 927 Pt. 45-2664 Model 928K Pt. 36-4095, Models 39-6, 39-7, (121)	4 4 4 7 7 7 1/2 7 1/2 7 1/2 5	16167 16175 16169 16168 16176 16292 16293 16294 16304	\$0.53 .53 .59 .65 1.03 1.73 .88 .88 .73
<b>RCA-Victor</b> Pt. 8558, Speaker 106, Models RE20, R35, R39, 46, R50, R55, RE57, RAE59, 62, 64, 66, 67, RE73, RA E79, R80, R82, R86	10 1/4	16060	1.18
Pt. 8601, Models 48, R6, R7, R7A, R7LW, R8, R8DC, R9, R9DC, R9DC, R10, R10DC, R11, R12, RE16, RE16A, RE18, RE19, R21, R023, RAE26, R43, RE73	10 1/4	16061	.88
Pt. 9023, M34, M105 Pt. 9987 Models R28, R28P, R228, R22V, RE40, RE, 40P, 100, 101, 110, 111, 114, 115, M116, 300, 301 Pt. 10801, Model R32 R35, R35, RE45, R52, R75, RE15, RE152, RE- 154, RE156	5 6 1/4 9	16062 16177 16181	.59 .59 1.03
Pt. 9428, 9492 Models R37, R37P R38, R38P, 112, 120, 122, 124 126B, 310, 320, 241B, M107, 118, M123, AC136 Pt. 13667, 14934, 578, 577, 578, M104, 6M, 6M2, M101, 67M1, 86T, 86T1, 86T3, 86T6, 87T, 87T1, WR203, WR303 Pt. 9541, 67M1 94T, 96T5 85BT6	6 1/4 6 1/4 6 1/4 6 1/4 6 1/4	16187 16192 16258 16250 16252	.59 .59 .59 .59 .88
<b>Rola, G12</b> K8 K10 T-6-DP	12 8 5 1/4	16203 16205 16206 16211	1.70 1.32 1.47 .73
<b>Sentinel</b> 19A, 510 72A, 72AE, 600	6 1/4 6 1/4	16171 16350	.88 .88
<b>Sparton</b> 737, 931, 89A, 99, 101, 109, 110, 111, 301, 589, 591, 593, 600, 610, 620, 737, 740, 750, 930 (Mag- navox D7) 737, 921 (Jensen D7) 518, 537, 547, 548, 568, 97, 578, 67, 68, 618, 691	8 1/4 11 1/4 6 1/4 6 1/4	16035 16012 16089 16171	1.62 1.70 .88 .88
<b>Stewart-Warner</b> R149, 1491 to 1499 R273	12 1/4 7 1/2	16236 16235	1.70 1.32



# SPEAKER CONES and FIELD COILS



(Continued from opposite page)

Set, Spkr. Mod. or Part Num.	Dia. In.	Stock No.	Your Price	Set, Spkr. Mod. or Part Num.	Dia. In.	Stock No.	Your Price
<b>Stewart-Warner (102A, 104A, R110, R204A, R206, R207, 208, 209, 210, R218A, 223A)</b>	8	16231	1.32	<b>Zenith (Cont.)</b>			
<b>Utah—F12P, GT13, E12P, 12LP, 12PG6, 6B103, 4A-106A</b>	12	16259	1.70	Pt. 49-162, Models 5F134, 5F235, 5F233	6 1/2	16219	\$0.88
<b>Wells-Gardner 6D, 7J</b>	6 1/2	16270	.88	Pt. 49-81	6 1/2	16270	.88
<b>Westinghouse WR209, WR211</b>	6 1/2	16027	.88	Pt. 49-115	5	16090	.73
<b>Zenith 49AG310, 6MF490 Spkr., 49AB341, Spkr. 49AG385, 403, 6P429, 430, 447, Spkr. 49B5298</b>	4	16195	.59	Pt. 49-116, 49-152	8	16015	1.32
	7	16196	1.03	Pt. 49-143	6 1/2	16089	.88
	4	16197	.59	Pt. 49-162	6 1/2	16219	.88
	5	16198	.73	Pt. 49-237, 49-238, 49-242, 49-262	5	16042	.73

## FOR AUTO SETS Replacement Cones

<b>Arvin (Operadio) 15, 20A, 25, 29, 18, 41, 467, 518, 518, 568</b>	5	16010	.73	<b>Motorola—45</b>	6 1/2	16355	.88
<b>Crosley—A157</b>	5	16352	.73	60, 88, 100	7 1/2	16078	1.32
<b>Delco 500, 630, 1210540, 623, 632, 1106, 3205, 631, 640 (Operadio) 631, 640, 4009 (Mag.)</b>	6 1/2	16045	.88	65 (Rola K8B)	8	16085	1.32
<b>R663, 665, 666, R1135, R1193, 4048</b>	5 1/2	16105	.73	65, 70 (Jensen)	8	16079	1.32
<b>Ford—G24 (Mag.) CB4, F1540 (Philio), C82 (Philio), F1640 (Philio)</b>	6	16120	.88	75 (Jensen F6R)	6 1/2	16089	.88
<b>Gen. Elect.—B40</b>	5	16062	.59	Golden Voice	10	16087	1.62
<b>General Motors Chevrolet—601308, 985200, 985225, 985400, 985252, 985283, 985284, 985285, 985300, 985301, 985286 (Mag. ID-1400), 985425, 985460, 985338, 985338-Spkr., 41045, 985338-Spkr., 43440</b>	5 1/2	16105	.73	738-443, D311-12, 500 Spkr., 50B20197, 400 Spkr., 50B18005, 25F Spkr., 50B18042, 350 Spkr., 50B18557, 9-44 Spkr., 50B13086, 27D-Spkr., 50B17591	7	16359	1.08
<b>Cadillac—C-8-53, C-8-52, C-8-56</b>	6	16077	.88	511, 48, 61, 51A, 52, R. J. (Nash, Stude), Hup., R (Chr. 6, Dodge, Ply.) (Pt. 02861)	6 1/2	16363	.88
<b>B-O-P—405062, 982084, 982106, 98353, 983526, 1304873, 3272749</b>	8	16078	1.32	6, 7, 8, 9, 10, 10-122, 12, 800, 800-122, 802, 808, 809, 809 (Dash), Pad. PBD, C-C-122, D, D-122, F, G, H, H-122 (Pt. 36-3159)	7 1/2	16364	1.03
	8	16078	1.32	700, G-122 (Chr. 6, Ply, Dodge, Chr. Airf., Des. Airf., Hup.) (C. Nash, Stude) (Pt. 36-3157)	8	16152	.73
	8	16085	1.32	805, 806 (Pt. 36-3406)	5 1/2	16156	.59
	8	16205	1.32	Model C32 Ford, 816, FT9, Model C1608	6 1/2	16379	.59
	6 1/2	16139	.88	RCA-M34, 105	5	16380	.59
				<b>Stewart-Warner R232, R131</b>	6 1/2	16297	.59
				<b>Wells Gard. 6L, 05A, 05BA, 6K, 6J</b>	5	16062	.59
					6 1/2	16139	.88
					5 1/2	16272	.73
					6 1/2	16283	.88
					6 1/2	16253	.88

## Dual Winding Field Coils

Windings may be connected either in series or parallel to provide a more universal resistance replacement range. Can also be used to replace any field coil having resistance within 10% plus or minus of values given below. Coils are supplied with insert tubes to decrease inside diameter 1/4" and 1/2" to fit smaller pole pieces. Washers increase length of coil up to 1/4" more. Accurately wound.

Size: 1 1/4" ID, 2" OD, 1 1/4" Long

Stock Number	Parallel Resistance	Series Resistance
D5400	419	1,675
D5401	625	2,500
D5402	750	3,000
D5403	1,000	4,000
D5404	1,250	5,000

Size: 1 1/4" ID, 2 1/4" OD, 1 1/4" Long

Stock Number	Parallel Resistance	Series Resistance
D5405	419	1,675
D5406	625	2,500
D5407	750	3,000
D5408	1,000	4,000
D5409	1,250	5,000

Size: 1 1/4" ID, 2 1/4" OD, 1 1/4" Long

Stock Number	Parallel Resistance	Series Resistance
D5420	419	1,675
D5421	625	2,500
D5422	750	3,000
D5423	1,000	4,000
D5424	1,250	5,000

List Price, \$3.40.  
YOUR PRICE.  
All Types, Each.....\$2.00

Size: 1 1/4" ID, 2 1/4" OD, 1 1/4" Long

Stock Number	Parallel Resistance	Series Resistance
D5410	419	1,675
D5411	625	2,500
D5412	750	3,000
D5413	1,000	4,000
D5414	1,250	5,000

Size: 1 1/4" ID, 2 1/4" OD, 1 1/4" Long

Stock Number	Parallel Resistance	Series Resistance
D5415	419	1,675
D5416	625	2,500
D5417	750	3,000
D5418	1,000	4,000
D5419	1,250	5,000



Exactly duplicate the electrical and physical characteristics of the original. Thoroughly impregnated. Will withstand extreme moisture. Resistance guaranteed accurate.

### Field Coils Supplied for All Speakers

We can supply any field coil not included in these listings. When ordering coil not listed, give name and model number of both speaker and receiver, send defective unit as sample. "T" Designates tapped coil.

Set or Speaker	Field Ohms	Stock No.	Your Price	Set or Speaker	Field Ohms	Stock No.	Your Price
<b>Atwater Kent Early, Late 55, 60 (Speaker F4) 145</b>	1,100	5496	\$3.23	<b>Philco 20, 21 (Pt. 2768) 65, 76, 77, 86, 87, 95, 96, 111 (Pt. 2850)</b>	3,100	5612	\$1.29
<b>Bosch 5A 505, 515</b>	2,000	5502	1.94	<b>70, 70 (A.V.C.) 90 (With Spkr.), 470, 490 (Pt. 02987 coil only)</b>	3,800	5618	1.29
<b>Brunswick D11 12, 16, 33, 88</b>	2,400	5504	2.12	<b>Silver Marshall 30 (Jensen)</b>	1,900	5642	2.85
<b>Crosley 148 167 (Magnavox)</b>	1,000	5521	1.29	<b>Victor RE32-45-75</b>	2,950	5676	3.09
<b>Grunow 5A 5B</b>	1,850	5530	1.94	<b>Wells-Gardner 002</b>	5,000	5676	2.11
<b>Jensen D7-D8 D9-D15</b>	2,500	5533	3.23				
<b>Majestic G1 G2</b>	3,100	5570	4.20				

## Speaker Field Coils For APEX, GLORITONE U. S. Radio Television and Montgomery Ward Sets

High grade coils. Wound more accurately and impregnated more thoroughly than the originals.

\*Tapped at 2400 ohms. †Tapped at 3000 ohms.

Set Model	Spkr. Num.	Stock Num.	Field Ohms	Size Inches I.D. O.D. L.
26	2286	D5466	*11,500	1 1/4 2 1/4 1 1/4
26A	2467	D5467	*11,500	1 1/4 2 1/4 1 1/4
26P	2758	D5468	*11,500	1 1/4 2 1/4 1 1/4
26P	2925	D5469	*11,500	1 1/4 2 1/4 1 1/4
27	1936	D5471	*11,000	1 1/4 2 1/4 1 1/4
8A	2801	D5473	16,000	1 1/4 2 1/4 1 1/4
10B	2802	D5474	16,000	1 1/4 2 1/4 1 1/4
99A	3261	D5475	1,000	1 1/4 2 1/4 1 1/4
31		D5476	2,500	1 1/4 2 1/4 1 1/4
24		D5477	2,500	1 1/4 2 1/4 1 1/4
46		D5478	2,500	1 1/4 2 1/4 1 1/4

## Universal Field Coils

Fits Pole Piece 1/4 to 1/2". Length 1/4 to 1/2" Outside diameter 1 1/4".

Resistance	List Price, \$1.10
D5456—450 Ohms	Your Price
D5457—1000 Ohms	Each.....65c
D5458—1500 Ohms	
D5459—2000 Ohms	
D5460—2500 Ohms	
D5461—3000 Ohms	

Fits Pole Piece 1/2 to 1". Length 1/4 to 1". Outside diameter 2".

Resistance	List Price, \$1.65
D5455—450 Ohms	Your Price
D5456—1000 Ohms	Each.....97c
D5457—1500 Ohms	
D5458—2000 Ohms	
D5459—2500 Ohms	
D5460—3000 Ohms	

## Majestic Replacement Coils

Exact Original Manufacturers Specifications. Each coil is completely assembled at Factory. Coils are all precision machine wound. Highest quality materials and workmanship.

Majestic Part Number	For Majestic Model Numbers	Description	Stock Number Complete Assembly	Your Price	Stock Number Coil Only	Your Price
4428	15, 15B, 150	1st IF/Osc.	C9540	\$1.94	C9505	49c
4429-8384	15, 15B, 55, 150	2nd IF	C9541	1.30	C9506	52c
5490	15, 15B, 55, 150	1st RF			C9542	65c
5488	15, 15B, 55, 150	2nd RF			C9543	65c
3908	20, 21, 22, 23	1st IF	C9544	1.62		
3907-3960	20, 21, 22, 23	2nd IF	C9545	1.94		
6506	55	IF and Osc.	C9507	1.94		
4439	60, 160	1st IF	C9555	2.27		
4267-4464	60, 160	2nd IF	C9556	2.27		
6984	120B	1st IF	C9508	1.30		
379	90, 90A, 91, 92, 93, 100, 100B, 101, 102, 103	RF Choke	C9567	1.30	C10512	49c
6250	200	1st IF			C9518	65c
6263	200	RF Trans.			C9569	97c
6127	210	3rd IF			C9522	65c
7187	290, 300, 310, 330, 460, 520, 800	RF Plate			C9536	49c
8857	310A-B, 330, 800	2nd IF			C9575	56c
10148	460, 490	1st IF	C9581	1.30	C9532	45c
10149	460, 490, 570, 800	2nd IF			C9582	65c
10253	460, 490, 520, 570, 10196	Ant. Coil			C9583	52c
11014	460, 490, 520, 800	Osc. Coil			C9584	65c
9747-9748	460, 490, 520, 800	RF Trans.			C9585	65c
10197	460, 490, 520, 800	RF Trans.				



Quicker  
than a  
Short circuit

# LITTELFUSES

## For Test Instruments

Especially designed for protection of delicate equipment. Break circuit in 1/100 part of time required to burn instruments. May be used on 250 Volts D.C. or A.C. The smaller sizes have been used without arcing up to 1500 volts D.C. on a 2KW supply. Illustration is actual size. Length 1 inch.



Use to Protect—

Stock Num.	Rat- ing Amps.	Max. Load M.A.	Aver. Resis. 5M.A. Load	Your Price Each	Your Price Dozen	Volts- meters Ohms per Volt			Milliammeters All Magnetic Thermo-couple Move- ments		
A11159	1/300	5	500	18c	\$1.95	Over 1000	Galv.	Up-5	115-200		
A11160	1/100	10	110			1000	Up-1	5-10			
K11161	1/4	25	20	12c	\$1.32	500-1000	1-10	10-25			
K11162	1/2	60	5.0			100-500	10-25	25-60			
K11163	3/4	100	3.0			20-100	25-75	60-115			
K11164	1	200	6.2			10-20	75-150	115-200			
K11165	1 1/2	300	3.0	9c	\$1.00	5-10	150-250	200-300			
K11166	2	400	2.5			3-5	250-350	300-400			
K11167	3	600	.40				350-500	400-600			
K11168	1	1000	.24				500-750	800-1000			
K11169	1 1/2	1500	.18	6c	65c		750-1000	1000-1500			
K11170	2	2000	.14				1000-1500	1500-2000			

## 3AG Type Littelfuses

### Underwriters Approved

Glass enclosed 3AG type. These radio fuses have many points of merit which are distinctly different from other fuses. Fuse element pure rosin coated zinc. Locked end caps. No cement to loosen.

### For Radio Receivers

250 Volts

Stock Number	Rate Amps.	Max. Watts	Your Price
K11171	1	60	Each 5c
K11172	1 1/2	150	Dozen 50c
K11173	3	200	Each 6c
D11155	4	300	Dozen 65c
D11157	5	400	
D11158	6	500	

## Fuse Mountings For SFE, 3AG and Littelfuses



Fuse Retainer

For 3AG, SFE14 or SFE20 type fuses. Cadmium plated steel shell, to which shielding can be soldered. Size 2 1/2 x 3/4".

B11425—YOUR PRICE, EACH..... 9c

C11419—Jumbo Fuse Holder. 2 1/2 x 1 1/2". Used in Delco, Philco, Motorola and others. For 3AG, SFE14, SFE20 or SFE30 Type Fuses. YOUR PRICE, EACH..... 15c

### "Meter-Back" Mounting



Mounts directly on one meter binding post. Will not touch other post on smallest standard meter. Linen bakelite base.

K11180—For Instrument Littelfuses. Size 1"x1 1/4"x1/2". YOUR PRICE, EACH..... 12c

### Standard



K11181—For 3AG Type Fuses. 1 1/2 x 1 1/4 inches. YOUR PRICE, EACH..... 9c

K11182—For Instrument Littelfuse. 1 1/2 x 1 1/4 inches. YOUR PRICE, EACH..... 12c

### Extractor Fuse Post

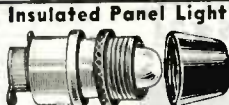


Knob extracts fuse when unscrewed. Knob is recessed in shoulder and can be removed with screwdriver or dime coin.

Shock-proof—no live parts exposed. Safe rating, 500 watts, 125 volts. Takes panel up to 3/4" thick. 1/2" diam. mounting hole. Overall length 2 1/2"; length under panel 1". Lock nut for threaded bushing included. Meets underwriters' approval.

R11188—For Littelfuses. R11184—For 3AG Type. YOUR PRICE, EACH..... 24c

Stock Num.	Rate Amps.	Peak Load Mills.	Your Price
K11175	1/4	75 mls.	Each 9c
K11176	1/2	150 mls.	
K11177	3/4	300 mls.	Dozen \$1.00
K11178	1	500 mls.	



Insulated Panel Light

Compact panel light assembly. Entire unit made of phenolic insulating material. Fits into 3/4" hole, up to 1/4" deep. Bulb easily changed from front.

A10590 Min. Screw Bayonet A10591 A10592 A10593

YOUR PRICE, Each..... 36c

## Pilot Light Sockets

Lug connection mountings. No bulbs included.



Screw Socket	Bayonet Socket	Type Mfg.	Your Price
C10611	C10617	B	8c
C10612	C10615	C	Each
C10614	C10616	E	Ten for 72c
C10626		F	

## BUSS FUSES

### Type 3AG.

Fuse element enclosed in glass tube with brass caps on ends. Size 1 1/2 x 1/4". Will blow at a 50% overload.

Stock Number	Amps.	Box of 5	Per 100
A11190	1	18c	\$2.80
A11192	2	18c	2.80
A11193	3	18c	2.80
A11195	5	13c	2.00
A11196	10	10c	1.60
A11197	15	10c	1.60
A11198	20	9c	1.40

## BUSS SFE Fuses

### New Standard Sizes

Auto and radio manufacturers are now using these new type fuses. Instead of the older 3AG. Different length for each rating eliminates replacing with incorrect fuse. All 1/4" dia.

Stock Number	Amps.	Length	Box of 5	Per 100
A11150	4	1 1/4"	12 1/4c	\$2.00
A11151	6	1 1/4"	12 1/4c	2.00
A11152	9	1 1/4"	10c	1.60
A11153	14	1 1/4"	10c	1.60
A11158	20	1 1/4"	9c	1.40
D11154	30	1 1/4"	15c	2.40



## Radio Panel Lamps

### Mazda Licensed

Finest quality American made Mazda Licensed pilot light bulbs. Fully equal in efficiency and length of life to any pilot light bulb on the market. At our low prices you can afford to stock up and be prepared for any requirement. Packed ten bulbs in attractive carton. S-T: Screw base tubular bulb. B-T: Bayonet base tubular bulb. B-R: Bayonet base round bulb.



Radolex Stock Number	Equivalent to Mazda	List Each	Rating		Price One Box	Per Box of 10 Lots*	Per Box of 30 Lots*
			Volts	Amps.			
B10451	(S-T) 41	\$0.09	2.5	0.50	48c	45c	42c
B10453	(S-T) 40	.09	6.3	0.15			
B10454	(S-T) 48	.09	6.3	0.25			
B10458	(B-T) 44	.09	6.3	0.25			
B10462	(B-R) 55	.07	6-8	0.20	39c	37c	35c
B10463	(B-R) 55	.07	6-8	0.40			

## Genuine Mazda Panel Lamps

### Clear Tubular Bulb—Miniature Screw Base

Radolex Stock Number	Maz. Num.	Bead Color	List Each	Volts	Amps.	Price One Box	Per Box of 10 Lots*	Per Box of 30 Lots*
D10573	48	Pink	\$0.15	2.0	0.06	\$0.88	\$0.82	\$0.78
D10560	41	White	.09	2.5	0.50	.54	.50	.47
D10561	42	Green	.12	3.2	0.35	.71	.66	.62
D10562	40	Brown	.09	6.3	0.15	.54	.50	.47
D10563	46	Blue	.09	6.3	0.25	.54	.50	.47
D10559	292	White	.12	2.9	0.17	.71	.66	.62

### Clear Tubular Bulb—Miniature Bayonet Base

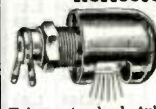
Radolex Stock Number	Maz. Num.	Bead Color	List Each	Volts	Amps.	Price One Box	Per Box of 10 Lots*	Per Box of 30 Lots*
E10574	291	White	\$0.12	2.9	0.17	\$0.71	\$0.66	\$0.62
D10564	43	White	.09	2.5	0.65	.54	.50	.47
D10558	47	Brown	.09	6.3	0.15	.54	.50	.47
D10565	44	Blue	.09	6.3	0.25	.54	.50	.47

### Clear Round Bulb—Miniature Bayonet Base—Screw Base

Radolex Stock Number	Maz. Num.	Bead Color	List Each	Volts	Amps.	Price One Box	Per Box of 10 Lots*	Per Box of 30 Lots*
E10572	501	White	\$0.10	8.3	.2	\$0.60	\$0.55	\$0.52
D10566	51	White	.07	6-8	0.2	.41	.39	.36
D10567	55	White	.07	6-8	0.4	.41	.39	.36

\*Boxes May Be Assorted. See Page 38 for Other Lamps.

## Reflector Type Panel Light



K10624—Less Bulb. YOUR PRICE, EACH..... 47c

Takes standard tubular pilot lights. Illuminates meters on a test panel. Mounts in 1/4" hole in 3/4" panels.

## Jumbo Pilot Light



For use as signal light indicator on transmitters, test panels, etc. Jewel measures 1 1/4" across. Chrome plated finish. Mounts in 1" hole. Bulbs can be replaced from front.

Brackets Only

A10580—110V. Candelabra Base A10581—Miniature Bayonet Base A10582—Miniature Screw Base

YOUR PRICE, EACH..... 18c

Jewels for Above

A10583—Red A10585—Blue A10584—Green A10586—Amber

A10587—Opal

YOUR PRICE, EACH..... 59c

## Jeweled Pilot Light Brackets



Used as short indicators, signal light, on test panels, etc. Excellent soldering iron pilot when connected across 3 ohm resistance in series with a 100 watt iron. (2 1/2" bulb required.) Bracket

et takes standard sized pilot light bulbs. Mounts in 1/4" hole on any panel not over 3/4" thick.

R10620—With Red Jewel, YOUR PRICE, EACH..... 20c

C10609—Miniature Screw Bracket Only

C10625—Miniature Bayonet Base Bracket Only

YOUR PRICE, EACH..... 7c

## Jewels for Above Brackets

Colored jewel on threaded shank with mounting nut. Requires 3/4" hole in panel not over 3/4" thick.

K10621—Red K10622—Amber K10623—Green

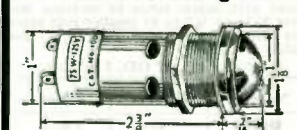
R10618—Crystal R10619—Blue

YOUR PRICE, EACH..... 13c

## 3/4" Jeweled Pilot Light

Same construction as above pilot assembly except uses 3/4" Jewel. Mounts in 3/4" hole on panel up to 3/4" thick. Comes complete with Jewel. Candelabra socket for Mazda S6 listed at bottom of this column or similar bulb. C10603—Bracket and Red Jewel. C10604—Bracket and Green Jewel. YOUR PRICE, EACH..... 42c

## 1 Inch Pilot Light



Jumbo pilot assembly approved by Underwriters. Faceted jewel lens. Mounts in 1" hole. All metal parts are made of brass chrome finished. Sockets is porcelain. Rated 75 watts at 125 volts. Takes Standard S6 Mazda 110 V. candelabra base bulb. A10576—Red A10577—Amber A10578—Green A10579—Opal

YOUR PRICE, EACH..... \$1.18

A10589—Mazda S6, 110 volt, 6 Watt candelabra base bulb.

YOUR PRICE, EACH..... 15c



# Voltage Controls · Line Ballasts · Resistance Cords

## Amperite

### Voltage Control Tubes



Designed to deliver constant voltage to the receiver from the power line although the line voltage may vary from 110 to 140 volts. Eliminates excessive line voltage. Easily installed. Connect in series with power line.

#### For 105-120 Volt A.C. Receivers

Stock Num.	Use Amperite	Set Name and Model Number
K9819	9-20	Brunswick 14, 21, 31
A9822	11-20	Bruna. 814, 821, B.T. 83, 84; Grebe 21950, 270C, 285, 450. (Replaces Durestite 110)
K9819	9-20	Dremer-Tully S81, S82
K9823	90	Majestic 90, 91, 92
K9824	70	Majestic 70, 71, 72
K9825	12-20	Scott A.C. 10
K9826	18-10	Star Ralder
K9829	14-10	Zenith 103

#### For 2 Volt Battery Radios

Stock Num.	Use Amperite	Set Name and Model Number
D9840	5E1(A1A)	Bosch 042, Eria 600.
D9830	30(A2)	Silvertone 65, 242, 326.
D9831	31(B2)	Silvertone, 223X, 224X, 266, 267, 1576, 1712, 1713, 1714.
D9840	5E1(A1A)	Sparton 81, 82.

List Price, Each, \$1.25  
YOUR PRICE, EACH... **73¢**

Stock Num.	Use Amperite	Set Name and Model Number
K9820	5-18	General Electric B-86
K9820	6-18	R.C.A. R-223
K9827	10-V-10	Victor K32, 62
K9820	5-18	Victor (32V, Set)

YOUR PRICE, EACH... **\$1.32**

#### For A.C.-D.C. Receivers

The following replace Octal Base Ballast Tubes with numbers and letters as noted below. Will control line voltages from 85 to 140 volts. \*Except L55B and M55B; but includes following: 42A, 49A, 55A, M50R, M45R.

Stock Number	Amperite Number	First Letter: Numbers From	K.L.M.or B.K. Last Letter
A9848	KI-25	10 to 36	A, B, C or D
A9844	KI-45*	36 to 67	A, B, C or D
A9849	KI-50H	36 to 67	F, G or H
A9850	KI-75	67 to 105	A, B, C or D
A9851	KI-75H	67 to 105	F, G or H

K9845—Amperite 4P-45, 4 Prong Base. Replaces ballasts 185R, 185R4, 185R8, 185R14, 185L4, 185L8, 185L44, 165R, 165R4, 165R8, 165R14, 165L4, 165L8, 165L44, 140R, 140R4, 140R8, 140L4, 140L8, 140L44, 300 50X3, 5B.  
List Price, \$1.00.  
YOUR PRICE, EACH... **59¢**

### AC-DC Line Cord Resistor



Replacement for voltage resistor cords in AC-DC sets. Cord has inbuilt resistor for reducing line voltage to the correct value for the tube elements.

Stock Num.	Total Resist.	Filament Voltage Drop	Your Price
C3880	330	18.0 to 24.0	<b>50¢</b>
C3881	290	25.0 to 31.5	
C3882	250	32.0 to 44.5	
C3883	220	45.0 to 52.0	<b>Each</b>
C3884	180	53.0 to 61.0	
C3885	150	62.0 to 68.9	
C3886	135	69.0 to 75.2	<b>10 for \$4.50</b>

### AC-DC Line Cord Resistor

E3879—190 Ohm Resistance.

YOUR PRICE, EACH... **39¢**

A 6 foot line cord with built-in resistor which supplies proper filament voltage for tubes wired in series across the 110 or 120 volt power line.

#### Universal Line Cord

C3889

List, \$1.25.

YOUR PRICE

**73¢**

Each

Provides any resistance from 22 ohms to 330 ohms in steps of 22 ohms each. Six coded leads. Instructions included.



## Resistance Tubes

### Ballast Tubes

#### For A.C.-D.C. Radios

These resistance tubes are of excellent quality and will give long and satisfactory service. K series are for .15 amp. pilot bulb, L for .25 amp. M for .2 amp. Types are interchangeable providing correct pilot bulb is used as stated above. For example K49B can be used instead of M49B if a .15 amp. bulb is used. List Price, 80¢.  
YOUR PRICE, EACH **44¢**  
15 for \$5.95



#### Octal Base Tubes

Tube Type Num.	Other Manufacturers' Type Number	Stock Number
K38B2	K38B2	A9926
L40B2	L40B2	A9921
K42B	K42B, K40B	A9902
L42B	L42B, L40B	A9906
L42C	L42C, L40C, 69.2037	A9907
BK49B	BK49B	D9905
BK49D	3334, 3334A, 115.28	A9922
K49B	K49B, W43357, 135K1	A9909
K49C	K49C, A18040	A9910
L49B	2UR224, L49B, 69.2033	A9911
L49C	L49C	A9912
L49D	3CR241, L49D	A9913
50A2MG	50A2MG, KZ49C	A9922
50B2MG	50B2MG, KZ49B	A9923
BK55B	3613	A9923
K55B	K55B	A9914
K55C	K55C	A9925
K55CP	K55CP, K55CPR	A9929
K55H	K55H, 55H	A9924
L55B	L55B, 2UR215, 5898, L55BG	A9916
L55B	100-70	D9903
L55C	L55C, L555.5C	A9917
L555J	L555J	A9918
L5552	L5552	A9919
80A	80A	A9930
K80B	K80B	A9925
K90B	K90B	A9931
100-18	L42CJ	D9901
100-79	100-79	D9904

#### 4 Prong Base Tubes

Stock Num.	Amperite Number	First Letter: Numbers From	K.L.M.or B.K. Last Letter
KX38B	300R4	10 to 36	A, B, C or D
KX105C	320R4	36 to 67	A, B, C or D
KX23B	60R30G, 60R30	67 to 105	A, B, C or D
KX23R	87R48	67 to 105	F, G or H
165R4	50B2, KX49B, 165KB, K49X, 5B	67 to 105	A, B, C or D
165R8	K49Y, 50A2, KX49C, 165KC, 6B	67 to 105	F, G or H
185R	50W, 50X3, 50X300, 185A, KX55A	67 to 105	A, B, C or D
185R4	KX55B, 185KB	67 to 105	A, B, C or D
185R8	50X37, KX55C, 185KC	67 to 105	F, G or H
140R4	140R4, KX42B	67 to 105	A, B, C or D
140R8	140R8, KX42C	67 to 105	F, G or H
200R	200R	67 to 105	A, B, C or D
250R	245A, 250A	67 to 105	F, G or H

### Clarostat Ballasts

#### Universal Replacement

Universal replacement metal tube type resistors for use in AC-DC sets. Operates efficiently regardless of line voltage variations or pilot lamp current or burnouts. The types listed will take care of 95% of your calls. Replaces AC-DC Ballast tubes with first letters BK, BL, K, L, M and other combinations as given below.

YOUR PRICE, EACH... **59¢**

Stock Numbers	4 Pr.	Mfg. Code	Tube Numbers	Last Letter
D9950	D9954	10*23A	10 to 23	A, B, C, D
D9942	D9954	10*23E	10 to 23	E
D9943	D9954	10*23F	10 to 23	F, G, H
D9944	D9951	23*55A	23 to 55	A, B, C, D
D9945	D9951	23*55E	23 to 55	E
D9952	D9951	23*55F	23 to 55	F, G, H
D9946	D9953	60*92A	60 to 92	A, B, C, D
D9947	D9953	60*92E	60 to 92	E
D9948	D9953	60*92F	60 to 92	F, G, H
D9949	D9955	92*105A	92 to 105	A, B, C, D

### Clarostat Resistor Tube Service Manual

D12505—Contains a short explanation of ballast tubes, replacement chart and cross index chart giving the correct replacement ballast to use in sets up to 1940. Size 8½x11". 32 pages.  
YOUR PRICE... **15¢**



## Line Ballasts

### Metal Shielded



Compensates line changes for Sets designed for use with Ballast. Will maintain the normal voltage across the primary of the power transformer within allowable limits for efficient operation, regardless of line fluctuation between 95 and 135 volts.  
List Price Each, \$1.75.  
YOUR PRICE... **98¢**

Num.	Type	Set Make and Model Number
K9871	1516	Majestic 70, 71, 7P6, 1928
K9872	1508	Majestic 70B, 72, 7B6, 1929
K9873	1012	Majestic 180, 181, 8P6
K9874	1210	Majestic 90, 91, 92, 100
K9875	5001	Stewart-Warner 900-61818
K9876	5002	Stewart-Warner 950-62152
K9877	5003	Stewart-Warner R100-66756

### Clarostat A.C. Line Voltage Regulator



For sets with critical line voltage requirements where a dependable regulator must be employed.

Stock Num.	Type	Watts of Set	List Ea. \$1.00
K9880	O	Up to 60	<b>59¢</b>
K9881	A	60 to 100	
K9882	B	100 to 150	

### Automatic Voltage Control

#### For Reducing Line Voltages

N9891—List, \$1.25.  
YOUR PRICE... **73¢**



Protects tubes, resistors, and condensers by automatically compensating for line surges as voltage rises. Air-cooled type. Supplies 110 volts A.C. or D.C. on any line up to 130 volts. For use with any set consuming up to 50 watts.

#### Heavy Duty Model

A9889—For sets of 50 to 150 watts.  
YOUR PRICE... **\$1.18**

### Line Voltage Reducer

#### Reduces Excessive Line Voltages

C9890—List, \$1.00.  
YOUR PRICE... **49¢**

Maintains a constant potential on lines on which voltage climbs. Protects tubes, condensers and resistors against line surges by automatically reducing line voltage to a normal operating voltage.

### Continental "Voltacon" Line Voltage Regulator

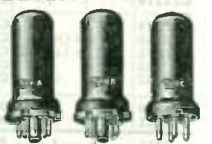
C9884—List Price, \$1.50.  
YOUR PRICE... **88¢**

Will regulate line voltage precisely for radios of from 4 to 10 tubes drawing up to 100 watts. Three position switch, high, medium and low, keeps line voltages of from 110 to 135 volts at proper value for most efficient and safe operation.

### Adjustable Ballast Tubes

#### For AC-DC Radios

Three new universal type ballast tubes that will take care of 90% of your calls for replacement ballasts. Standard Octal or 4 prong base; same size and appearance as 52A tube. Easily changed jumpers on tube prongs make possible exact duplicate replacements. Complete with instructions. Keep at least one each of these Ballasts on hand at all times and you will be able to make immediate replacement of all but the very unusual types.  
A9934—Type A. Octal Base. } YOUR PRICE, **65¢**  
A9935—Type B. Octal Base. } EACH...  
A9936—Type C. 4 Prong



### Serviceman's Ballast Tube Kit

D9959—Consists of 5 of above ballast tubes (2-Type A, 2-Type B and 1-Type C). 80 Page ballast tube replacement manual, template to simplify cutting operation and cutter tool are included free.  
YOUR PRICE, **\$3.23**  
Per Kit

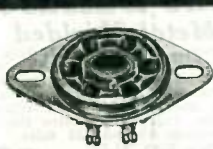




# CONNECTORS SOCKETS

# AMPHENOL

# ADAPTERS PLUGS



Type RS  
Type RCP has prongs



Type S



Type CP

## Molded Bakelite Radio Tube Sockets

Made of molded bakelite with tube locating groove. Cadmium plated phosphor bronze contacts for easy soldering, recessed in individually molded chambers, protect them from damage. "S" and "CP" Type sockets and plugs mount without screws or rivets and are held to chassis with locking ring of spring steel. Mount in 1 1/2" keyed hole except those which fit 1 1/4" hole. Easy to mount on any material up to 1/8" thick. Use die listed on opposite page for punching chassis holes to fit these units. "RS" and "RCP" Type sockets and plugs. "S" sockets and "CP" plugs assembled on steel plate with slotted holes to fit mgs. crs. of 1 1/4" to 1 1/2". Take the place of wafer sockets.

### Retainer Ring Mounting

"S" Socket Number	"CP" Plug Stock Number	Your Price Each	Number of Contacts
C12212	C12361	6 1/2c	4
C12213	C12362		5
C12214	C12363		6
C12215	C12364		7 Small
C12216*	C12364		7 Large
C12217*	C12365	8c	7 Comb.
C12218		8c	8 Octal
C12360		10c	8 Loktal

### Replacement Type Mounting

"RS" Socket Stock Number	"RCP" Plug Stock Number	Your Price Each
C12366	C12373	7c
C12367	C12374	
C12368	C12375	
C12369	C12376	
C12370	C12376	
C12371	C12377	9c
C12372		9c
E12360		11c

### Chassis Shell

For Mounting Above Sockets and Plugs



A light weight aluminum shell which permits extending sockets or plugs 1/2" above or below surface. Knockouts in side of shell provide wire entrances from four sides. 3 Mtg. holes on 1" radius circle. Body 1 1/2" diameter. C12378—For 4, 5, 6, 7 Small, octal and Loktal Sockets and Plugs. C12379—For 7 large and 7 Combination. YOUR PRICE, Each..... 6c



### Tube Shield Base

K12228—PRICE, EACH..... 2c

For use with above type S sockets except 7L and 7 Comb. Mounts between socket and chassis without use of any rivets or screws. Cadmium plated rust proof metal. Fits all standard size shields. Overall dia., 1 1/8". No socket included.

### Low-Loss Steatite Sockets



Exceptionally high dielectric strength, low power factor and high electrical resistivity. Easy to mount. Metal adapter plate can be screwed or riveted to panel or removed and socket mounted directly into chassis by spring retainer ring. Socket mounts in 1 1/4" hole (large size seven prong in 1 1/2" hole). Slotted holes in steel adapter plate 1 1/2" to 1 3/4" mounting centers.

Stock Number	Number of Prongs	Price Each
K12229	4	24c
K12230	5	
K12231	6	
K12232	7S	
K12233	7L	29c
K12234	8 (Octal)	24c

C12391—6 Prong Plug. Has same electrical and mechanical specifications as above sockets. YOUR PRICE..... 24c

### Speaker Plugs



One piece molded extra heavy black bakelite body, 1 1/2" diameter by 3/8" high. Prongs are set deeply into individually molded pockets, preventing short circuits due to wire insulation pulling back. Prongs are plated for easy soldering. 12 Prong plug is 1 1/4" dia., 20 prong 1 1/2" dia.

Stock Number	Number Prongs	Your Price
C12392	4	6c
C12393	5	6c
C12394	6	6c
C12395	7S	6c
C12396	8	6c
C12397	9	10c
C12398	12	15c
D12334	20	29c



### Plug and Receptacle

For 110-250 Volt

### Retainer Ring Mounting

Underwriters approved standard appliance plugs and receptacles, for mounting directly on chassis up to 1/4" thick. Compact in size—quickly and easily mounted. 2 Pole receptacle accommodates polarized plugs as well as standard appliance plugs. 3 Pole has blades set at different angles for positive polarization. Fits 1 1/2" hole either keyed or plain.

D12398—Receptacle.	2 Pole
D12399—Standard plug.	
D12360—Polarized plug.	
YOUR PRICE, Each.....	15c

D12336—Receptacle.	3 Pole
D12337—Plug.	
YOUR PRICE, Each.....	21c

### With Mounting Plate and Shell



Plugs and receptacles same as above. Surface mounting type is set in a nickel plated steel plate with mtg. crs of 1 1/2" to 1 3/4". Recessed mounting type is set in a nickel plated steel shell, 1 1/2" deep, fits 1 1/2" hole, 1 1/4" mtg. crs.

Surface Mount.	Type Connectors	Recessed Mount.
C12410	Receptacle	C12413
C12411	Standard Plug	C12414
C12412	Polarized Plug	C12415
PRICE Each... 16c		PRICE Each... 24c

D12338—Receptacle	3 Pole
D12339—Plug	
PRICE Each... 22c	
D12340	
D12341	
PRICE Each... 30c	

### Cable Connectors



For 110-250 Volt

Fits above plugs and sockets. Mounted in insulated steel caps.

D12043—Receptacle	2 Pole
D12044—Standard Plug	
D12045—Polarized Plug.	
YOUR PRICE, Each.....	21c

D12342—Receptacle	3 Pole
D12343—Plug.	
YOUR PRICE, Each.....	27c

### Miniature Sockets



Molded of high dielectric black bakelite. All mount in 3/8" hole except Raytheon type, 1/2". Retainer ring firmly holds socket in place.

D12344—7 Contact, for RCA button-type tubes.	
D12345—5 Contact, for Raytheon CK-501, etc., hearing aid tubes.	
D12418—5 Contact, for Hytron HY113, etc., hearing aid tubes.	
YOUR PRICE, Each.....	10c
D12346—3 Contact, for RCA Pee-Wee, and Cetron Photo cells.	
YOUR PRICE, Each.....	8c



### Shielded Connectors

Suitable as cable connectors or cable plugs. Molded bakelite sockets and plugs can be quickly removed from the insulated steel caps for making connections. Rubber grommet with a 3/8" hole protects cable where it passes through the cap. Female section has cadmium-plated phosphor bronze contacts. Size 1 1/2"x1 1/4" dia.

Male Section	Female Section	Number Contacts
K12241	K12245	4
K12242	K12246	6
K12243	K12247	6
K12244	K12248	7S
D12347	D12348	7L
R12239	R12240	8

EACH PIECE PRICE..... 15c

### Rubber Handle

For Shielded Connectors



The above plugs snap into this rubber handle and are held securely in place by an inner molded shoulder. Allows easy removal of plug in recessed or hard to get at places. Also protects connection from damage. Molded from black live rubber.

C12046—YOUR PRICE..... 9c



### Cable Clamps

C12047—YOUR PRICE 6c

Positive gripping cadmium plated steel. Attaches to shell of shielded connectors. Holds and relieves all pulling or twisting strain from soldered connections. May also be mounted on chassis or panels. Mounts in hole 1/2" to 3/4".

### Connector Locking Covers



Cadmium plated threaded steel covers that slip over above shielded connectors. Lock connectors firmly together preventing accidental disconnection. C12048—Cable Type—Consists of two shells to slip over connectors. C12049—Chassis Type—Consists of 1 shell for connector and a threaded steel flange that mounts on socket. YOUR PRICE PER SET..... 15c

### Tip Jacks and Plugs



Molded bakelite. Jacks mount in 3/8" hole in panels up to 1/4" thick and are held in place by retainer ring.

Jacks Stock Num.	Red	Black	Diag. Plug Prong	Stock Num.	Red	Black
D12006				D12010		
D12007				D12011		
D12008				D12012		
D12009				D12013		
PRICE EACH... 4c				PRICE EACH... 3c		

### Bulb-Tester Socket

C12051—Your Price 26c



Standard 7 S - 7 L combination socket with small socket in center for testing all miniature base bulbs either screw or bayonet type.

### Ultra Low-Loss Sockets



Made of transparent "912-A" polystyrene material. Extremely low loss. Electrical and low loss properties far exceed steatite sockets. For all U.H.F. applications. Octal and Loktal types mount in 1 1/4" hole with 1 1/2" mtg. crs. Miniature mounts in 3/8" hole and is held in place by retainer ring. D12283—Octal Socket. YOUR PRICE..... 24c D12119—Loktal Socket. YOUR PRICE..... 27c D12120—Miniature 7 contact Socket for 1S4, 1T4, 1R5, 1S5 tubes. YOUR PRICE..... 21c




# CONNECTORS SOCKETS

# AMPHENOL

# ADAPTERS PLUGS

## Pressure Type Connectors



**MCIF** **MCIM**

Handy connectors for use with microphone cable. Easy to connect. Polished nickel finish.

**E12263—MCIF.** Female cable connector.  
**YOUR PRICE..... 29¢**


**E12295—MCIF-A.** Female Angle Connector.  
**YOUR PRICE..... 35¢**

**D12264—MCIM.** Male cable connector.  
**YOUR PRICE..... 24¢**

**C12265—PCIM.** Male for chassis mounting.  
**YOUR PRICE..... 18¢**

**C12257—CL-PCIM.** Male for chassis mounting. Prevents open grid howls by shorting grid to ground when connector is removed.  
**YOUR PRICE..... 24¢**

**D12267—SP-PCIM.** Same as CL-PCIM except does not short out. Has spring tension center contact.  
**YOUR PRICE..... 24¢**



**Phone Plug Adapter**

Screws into the coupling ring of the MCIF Cable Connector above, permitting plugging into any standard phone jack.


**D12271—MCIP.** Phone Plug Adapter.  
**YOUR PRICE..... 27¢**



**Microphone Switch**

Compact and easily installed, fully shielded. Threads fit above MCIF connector and any mike using the PCIM male connector. Push and release button to talk for standby or temporary use or slide switch forward for permanent connection.


**D12273—MCIS Switch.**  
**YOUR PRICE..... 59¢**



**Plug-In Type Connectors**

New, improved connectors for shielded 1 or 2 conductor cables. Male prong fits snugly into female contact. Male plugs have coupling ring for locking connectors together. Chassis type have female contact.

**D12107—80-F Single Contact Female..... 38¢**  
**D12108—80-M Single Contact Male..... 38¢**  
**D12109—80-C Single Contact Chassis..... 24¢**  
**D12110—MC2M Two Contact Female..... 47¢**  
**D12111—MC2M Two Contact Male..... 47¢**



**Chassis Connectors for Above**

**PC2F** **80CR** **80MSP**

**PC2F** and **80-C** mount in  $\frac{3}{8}$ " round hole. Supplied with lock nut and washer.

**E12109—80-C.** 1 hole female..... **24¢**

**E12112—PC2-F.** 2 hole female..... **27¢**

**80-CR** and **PC2-CR** have mounting plate  $\frac{1}{8}$ " in diameter. Has  $\frac{3}{8}$ " mtg. hole centers.

**E12196—80-CR.** 1 hole female..... **29¢**

**E12197—PC2-CR.** 2 hole female..... **32¢**

**80-MSP** and **SP-MC2M** mount in  $\frac{3}{8}$ " round hole. Supplied with washer and lock nut. Use 80-F or MC2F as connector.

**E12198—80-MSP.** 1 prong male..... **47¢**

**E12199—SP-MC2M.** 2 prong male..... **53¢**




**Universal Grid Cap**

A new universal grid cap for tube checkers. Fits the grid stud of any receiving tube. Body is molded bakelite. A spring design contact of unique design assures a positive connection at all times. Supplied wired with a flexible 15' lead, No. 20 stranded wire.

**E12057—Black Grid Cap.**  
**E12058—Red Grid Cap.**  
**YOUR PRICE..... 12¢**

## Shielded Connectors 3 and 4 Contact



**MC3M** **MC3F**

Three or four contact polarized plug and socket covered by heavy chrome plated brass shell. Indestructible and moisture proof. Male and female sections can be locked together by means of a threaded collar. Spring cable protector.


**A12252 MC3M—3 Prong Male Section.**  
**A12253 MC3M—4 Prong Male Section.**  
 Includes locking nut. Removal of cap on other end permits screwing into any microphone having  $\frac{1}{8}$ " threaded hole. Size  $1\frac{1}{4}$ " long,  $\frac{3}{8}$ " diameter. MC3M takes up to  $\frac{3}{8}$ " dia. cables, MC3M up to  $\frac{1}{4}$ ".

**D12253 MC3F—3 Hole Female Section.**  
**D12254 MC4F—4 Hole Female Section.**  
 Has male thread to receive locking nut.

**Prices**

Three Prong and Three Four Prong and Four Hole Connectors. List Price, \$1.00. **59¢** Your Price, Ea.

Four Prong and Four Hole Connectors. List Price, \$1.10. **65¢** Your Price, Ea.



**Chassis Connectors for Above**

**PC3F** **SP-PC3M** **CCC-3**

Females have thread. Males have locking ring. For mounting on chassis or wall plate. With lock washer and locking nuts. Requires  $\frac{1}{2}$ " mtg. hole.


**C12258—PC3F—3 hole, Female.**  
**YOUR PRICE..... 29¢**

Similar to above except contacts are shielded front and rear. Fits up to  $\frac{3}{8}$ " panel.

**A12257—CC3—3 hole Female.**  
**D12258—SP-PC3M—3 prong Male.**  
**D12259—SP-PC3M—3 prong Male.**  
**YOUR PRICE, EACH..... 59¢**

Cap and Chain—Protects against dirt and tampering. For use on plug, chassis or wall outlets.

**A12257—CC3—Fits connectors listed above.**  
**D12258—CCC1—Fits PC1 and MC1 connectors listed at upper right.**  
**YOUR PRICE, EACH..... 29¢**



**Miniature Shielded Connectors**

**Chassis Sockets**

Type PCG-F female and PCG-M male. Socket shell contacts shell of cable connectors. Can be mounted on surface or behind panel. Required hole with  $1\frac{1}{4}$ " mtg. ctrs.

Num. Contacts	Female	Male	Price Each
3	D12219	D12223	18¢
4	D12220	D12224	18¢
5	D12221	D12225	20¢
6	D12222	D12226	20¢

**Cable Connectors**

Type MPF-L female and MPM-L male. Bakelite element held in cadmium plated shell by screw.

	Female	Male	Price Each
3	D12227	D12103	18¢
4	D12200	D12104	20¢
5	D12101	D12105	22¢
6	D12102	D12106	22¢



**"AN" Connectors**

**Army-Navy Spec. AN9534**

Amphenol "AN" connectors are now available for aircraft and industrial use, having 1 to 42 contacts, for carrying from 5 to 200 amperes. 106 different elements are available, housed in every type of shell. For instance, illustrated is a right angle cable unit, and a straight connector. Fittings for flexible and rigid conduit, portable cords or shielded cable can be supplied.

**Write us, giving full particulars on your connector problems and we will assist you in every possible way.**

## Unwired Adaptors Makes any Combination Adaptor



Make your own adaptors for modernizing tube checkers, analyzers and radio sets. Also may be used for bringing out connections from tube circuits for phono, headphones, etc. Self-tapping screws hold assembly together. Screws supplied with bottom sections. Hole on side of base permits bringing out leads or grid cap stud may be used. \*Only units bearing same type size can be used together. Grid stud not supplied.

Socket Tops		Number Prongs	Type Size*	Plug Bases	
Stock Num.	Mtg. Diam.			Inside Diam.	Stock Num.
C12206	1 1/4"	4	Small	1 1/4"	C12200
C12207	1 1/4"	4	Small	1 1/4"	C12201
C12208	1 1/4"	6	Small	1 1/4"	C12202
C12209	1 1/4"	7 Small	Small	1 1/4"	C12203
C12210	1 1/4"	7 Large	Large	1 1/4"	C12204
C12211	1 1/4"	7 Comb.	Large	1 1/4"	C12205
		8 Octal	Small	1 1/4"	C12206
		8 Octal	Large	1 1/4"	C12207
		8 Loktal	Small	1 1/4"	C12208

**YOUR PRICE, Each Piece..... 12¢**

**D12153—Metal tube grid cap stud.**  
**YOUR PRICE, Each..... 6¢**

**For Analyzer Plugs**

**D12154—Small 7 Contact socket top with latch-lock type center stud. Mtg. diam. 1-1/64".** Fits above small type bases.  
**YOUR PRICE..... 18¢**

**Adaptor Kits**

Wired and unwired adaptors for testing loktal, single ended and RCA miniature tubes in the octal socket of any tube tester. Complete with full instructions. All adaptors supplied with octal bottom section.

**D12296—Loktal to Octal Adaptor Kit.** Takes all but the 7E7 and 7F7 Loktal tubes. Kit of 5 adaptors, wired.  
**YOUR PRICE, Per Set of 5..... \$294**

**D12297—Adaptors as above, unwired.**  
**YOUR PRICE, Per Set of 5..... \$147**


**D12113—Wired Adaptor for 7E7 Tube.**  
**D12114—Wired Adaptor for 7F7 Tube.**  
**YOUR PRICE, Each..... 59¢**

**D12115—Octal to Octal kit of 5 adaptors for the single ended series tubes, wired.**  
**YOUR PRICE, Per Set of 5..... \$294**

**D12116—Kit of 5 as above, unwired.**  
**YOUR PRICE, Per Set of 5..... \$147**

**D12117—RCA Miniature to Octal.** Kit of 3 wired adaptors to test the RCA 1B4, 1T4, 1H5 and 1S5 tubes.  
**YOUR PRICE, Per Set of 3..... \$176**

**D12118—Adaptors as above, unwired.**  
**YOUR PRICE, Per Set of 3..... 88¢**



**Tap Change Switch**

Single pole, 8 position rotary switch for circuit changing use in impedance matching, tapped transformer and similar applications. Bakelite knob. Set screw in side locks switch. Fits in  $1\frac{1}{4}$ " hole with  $1\frac{1}{4}$ " mounting centers. White tap designations.

**D12128—30-1 With Numerals 1 to 8.**  
**D12127—36-2 With Impedance Markings of 0-2.4-8-16-250-500.**  
**YOUR PRICE, EITHER TYPE..... 44¢**



**Magic Eye Assembly**

**D10605** For 6 Prong Tubes  
**YOUR PRICE..... 73¢**

Complete assembly, except tube, for adapting magic eyes to F.M. and broadcast receivers, signal tracing devices, etc. Includes modern escutcheon, adjustable tube support, screws, shield, wired 6 prong socket with 22" leads and wired-in 1 meg. resistor.

**For Octal Magic Eye**

**E12059—MEA-8.** Similar to above but for the short octal base Magic Eye Tubes.  
**YOUR PRICE..... 73¢**

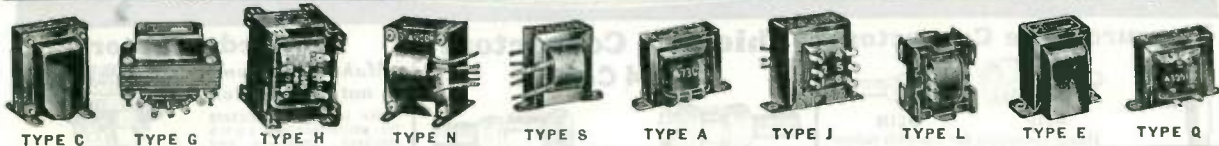
**913 Cathode Ray Assembly**

**D12270—913.** Assembly with mounting bracket, and wired-in octal socket for type 913 or 902 cathode ray tube.  
**YOUR PRICE..... 59¢**



# STANCOR

Power Transformers  
Chokes-Audios-Outputs



## Crystal Recorder Output Transformers

Stancor Type	Stock Num.	Your Price	Impedance Primary	Secondary	Max. Watts	Type Mtg.	Size, Inches H x W x D
A3853	E6428	\$1.41	7000	70M or 4-6	5	A	1 1/4 x 3 1/4 x 1 1/4
A3854	E6432	1.94	7000	70M or 4-6	10	A	1 1/4 x 3 1/4 x 1 1/4
A3859	E6433	1.41	10,000 C.T.	70M or 4-6	5	A	1 1/4 x 3 1/4 x 1 1/4
A3860	E6434	1.94	10,000 C.T.	70M or 4-6	10	A	2 1/4 x 3 1/4 x 2 1/4

## Universal Line to Voice Coil Transformers

Stancor Type	Stock Num.	Your Price	Impedance Primary	Secondary	Max. Watts	Type Mtg.	Size, Inches H x W x D
A3818	E6435	\$2.12	500, 1,000, 1,500	4, 8, 15	25	B	3 1/4 x 2 1/4 x 2 1/4
A3838	E6436	2.56	500	250, 166, 125, 100, 94	30	B	3 1/4 x 2 1/4 x 2 1/4
A3837	E6437	2.24	500, 1000, 1500, 2000, 2500, 3000		15	J	2 1/4 x 2 1/4 x 2 1/4

## Tube to Line Transformers (Universal)

Stancor Type	Stock Num.	Your Price	Impedance Primary	Secondary	D.C. Primy	Type Mtg.	Size, Inches H x W x D
A3250	E6438	\$1.65	10,000 C.T.	50, 125, 200, 333, 500	10	Q	2 x 3 1/4 x 1 1/4

## Microphone or Line To Line Transformer

From Single or Double Button Microphone to Line

Stancor Type	Stock Num.	Your Price	Impedance Primary	Secondary	Max. Watts	Type Mtg.	Size, Inches H x W x D
A4360	E6439	\$2.06	50, 125, 200, 333, 500	50, 125, 200, 333, 500	150	Q	2 x 3 1/4 x 1 1/4

## Microphone, Pickup or Line to Grid Transformers

Stancor Type	Stock Num.	Your Price	Impedance Primary	Secondary	Ratio Overall	Type Mtg.	Size, Inches H x W x D
A4743	E6440	\$1.65	100	400,000ct	1:64	S	2 1/4 x 2 1/4 x 2 1/4
A4706	E6240	.88	100	60,000	1:24.6	A	1 1/4 x 2 1/4 x 1 1/4
A4708	E6241	1.29	200 ct	57,000	1:17	J	2 x 2 1/4 x 1 1/4
A4709	E6300	2.09	4, 8, 15, 30	106M	1:60	E	2 1/4 x 2 1/4 x 2 1/4
A4351	E6301	1.82	50, 125, 200, 333, 500	89M	1:13.3	E	2 x 3 1/4 x 1 1/4

## Intercomm. Input Transformers

Voice Coil to Single Grid

Stancor Type	Stock Num.	Your Price	Impedance Primary	Secondary	Coil Size	Type Mtg.	Size, Inches H x W x D
A4744	E6303	\$0.91	4	25,000	1 1/2 x 1 1/2	A	1 1/4 x 2 1/4 x 1 1/4

## Filter Chokes—Type A

Stancor Type	Stock Num.	Your Price	Henry Ind.	D.C. Ohms	M.A. Cap.	Mtg. Ctrs.	Size HxWxD
C1723	E6528	\$0.68	4.4	330	50	2'	1 1/2 x 2 1/4 x 1 1/4
C1708	E6529	.68	5	300	50	2'	1 1/2 x 2 1/4 x 1 1/4
C1707	E6530	.68	7	500	50	2'	1 1/2 x 2 1/4 x 1 1/4
C1003	E6535	.91	30	550	50	2 1/2'	1 1/2 x 2 1/4 x 1 1/4
C1708	E6531	.88	10	460	65	2 1/2'	1 1/2 x 2 1/4 x 1 1/4
C1002	E6536	1.24	30	400	75	3 1/4'	2 1/4 x 2 1/4 x 1 1/4
C1709	E6532	1.18	9	250	85	2 1/2'	2 1/4 x 2 1/4 x 1 1/4
C1001	E6537	1.56	30	200	110	3 1/4'	2 1/4 x 2 1/4 x 1 1/4
C1710	E6533	1.47	8	200	150	3 1/4'	2 1/4 x 2 1/4 x 1 1/4

## For AC-DC Receivers—Type A

C1080	E6358	15	200	50	2 1/2"	1 1/2 x 2 1/4 x 1 1/4
C1277	E6360	71¢	300	50	2 1/2"	1 1/2 x 2 1/4 x 1 1/4
C1277	E6361	15	350	50	2 1/2"	1 1/2 x 2 1/4 x 1 1/4
C1279	E6362	Each	400	50	2 1/2"	1 1/2 x 2 1/4 x 1 1/4
C1215	E6364	15	500	50	2 1/2"	1 1/2 x 2 1/4 x 1 1/4

## Stancor Auto Radio Demonstration Packs

### 110 Volt AC to 6 Volt DC

E5995—Model 131 Economy Pack.

List Price, \$28.25.

**YOUR PRICE.....\$21.99**

The Economy 131 Pack is one of the lowest priced and most compact units having well filtered DC output. Delivers 11 volts at no load, 6.5 volts at 12 amperes intermittently. Has pilot light indicator. Electrostatic shielded transformer. Size 8"x6"x7 1/4". Shipping Wt. 16 1/2 lbs.



E5996—Model 132 Super Pack.

List Price, \$43.25.

**YOUR PRICE.....\$33.48**

A compact power unit designed to meet numerous requirements for obtaining low voltage DC from 110 volt AC lines. Ideal for Auto Radio Demonstrations and service test work. Delivers 8 to 12 volts in seven steps without load, 3 to 6 volts at 12.5 amperes load and 2 to 5 volts at 16 amperes intermittently. Voltmeter indicates output. Size 13 1/2"x8 3/4"x6". Ship. Wt. 26 lbs.



## Audio Transformers

Any Single Plate to Any Single Grid

Stancor Type	Stock Num.	Your Price	Turns Ratio	Pri. M.A.	Core Size	Type Mtg.	Size HxWxD
A53	E6522	\$0.91	3:1	10	1 1/4 x 1 1/4	A	1 1/4 x 2 1/4 x 1 1/4
A63	E6523	1.06	3:1	10	1 1/4 x 1 1/4	A	1 1/4 x 2 1/4 x 1 1/4
A73	E6373	1.32	3:1	10	1 1/4 x 1 1/4	A	2 x 3 1/4 x 1 1/4

## Push-Pull Inputs

Any Single Plate to Any P.P. Grids

Stancor Type	Stock Num.	Your Price	Turns Ratio	Pri. M.A.	Core Size	Type Mtg.	Size HxWxD
A53C	E6524	\$0.91	3:1	10	1 1/4 x 1 1/4	A	1 1/4 x 2 1/4 x 1 1/4
A63C	E6525	1.06	3:1	10	1 1/4 x 1 1/4	A	1 1/4 x 2 1/4 x 1 1/4
A4740	E6582	1.18	3:1	10	1 1/4 x 1 1/4	S	2 x 2 1/4 x 1 1/4
A73C	E6374	1.32	3:1	10	1 1/4 x 1 1/4	S	2 x 3 1/4 x 1 1/4
A4750	E6583	1.27	3:1	10	1 1/4 x 1 1/4	S	2 x 4 1/2 x 1 1/4
A4710	E6584	2.32	3:1	10	1 1/4 x 1 1/4	S	2 x 4 1/2 x 1 1/4
A2132	E6526	2.76	1:1	10	1 1/4 x 1 1/4	S	3 x 4 1/2 x 2 1/4
A4745	E6302	2.12	2:1	10	1 1/4 x 1 1/4	E	2 1/4 x 2 1/4 x 2 1/4

## P. P. Interstage Transformers

Single or P.P. Plates to Single or P.P. Grids

Stancor Type	Stock Num.	Your Price	Turns Ratio	Pri. M.A.	Core Size	Type Mtg.	Size HxWxD
A4711	E6586	\$1.32	1:1	10	1 1/4 x 1 1/4	A	1 1/4 x 2 1/4 x 1 1/4
A4208	E6587	2.53	1.39:1	15	1 1/4 x 1 1/4	A	3 1/4 x 2 1/4 x 2 1/4

With Split Secondary Windings

Stancor Type	Stock Num.	Your Price	Turns Ratio	Pri. M.A.	Core Size	Type Mtg.	Size HxWxD
A4773	E6591	1.82	3:1	10	1 1/4 x 1 1/4	E	2 1/4 x 2 1/4 x 2 1/4
A4774	E6592	1.53	3:1	10	1 1/4 x 1 1/4	S	2 1/4 x 2 1/4 x 2 1/4
A4776	E6593	2.06	3:1	10	1 1/4 x 1 1/4	S	2 1/4 x 3 1/4 x 2 1/4

## Driver Transformers

Stancor Type	Stock Num.	Your Price	From Application	To	Type Mtg.	Size H x W x D
A4713	E6588	\$1.09	1-30, 45, 46, 2A5, 6F6, 1H4G, etc.	P.P. 19, 79, 2A5, 6A6, 6F6, 1J6G	A	1 1/4 x 2 1/4 x 1 1/4
A4401	E6589	1.59	1-27, 30, 37, 56, 76, 6C5, 1H4G, 6J5G	1-19, 79, 1J6G	J	2 1/4 x 2 1/4 x 2 1/4
A4752	E6590	1.47	0-6G6, 6F6, 42, 2A5	P.P. 6V6, 6Y6G, 6F6, 6L6, 6Z7G	S	2 1/4 x 2 1/4 x 1 1/4
A4734	E6594	1.29	1-30, 2A5, 6A6, 1G5G, 6F6, 6K6	PP-19, 2A5, 2A6, 1J6G	A	2 1/4 x 2 1/4 x 1 1/4
A4712	E6595	1.09	PP-27, 30, 37, 56, 76, 6C5, 1H4G, 6J5G	PP-19, 53, 6A6, 1J6G, 6N7	A	1 1/4 x 2 1/4 x 1 1/4

## 6 Volt Vibrator Transformers

Stancor Type	Stock Num.	Your Price	Output Volts	M.A.	Type Mtg.	Size H. W. D.
P-6301	E6543	\$1.94	150	40	S	2 1/4 x 1 1/2 x 2"
P-4060	E6533	2.06	225	40	N	3 1/4 x 2 1/4 x 3
P-4061	E6535	2.24	250	50	N	3 1/4 x 2 1/4 x 3
P-4063	E6537	2.94	285	75	N	3 1/4 x 2 1/4 x 3 1/4
P-6131	E6538	3.20	330	100	N	3 1/4 x 2 1/4 x 3 1/4

## Output Transformers

For Use in Class A, B, or AB Audio Amplification

\*10% Inverse feedback winding used. †Windings marked "CT" are center-tapped for either single or Push-Pull tubes.

Stancor Type	Stock Num.	Your Price	Impedance Pri†	Sec.	Pri. M.A.	Type Mtg.	Size H x W x D
A3822	E6514	\$0.85	7M/10M	7, 1.1, 4, 2, 2.8, 4	45	Q	1 1/4 x 2 1/4 x 1 1/4
A3824	E6519	1.41	8000(CT)	1, 2, 4	75	Q	1 1/4 x 2 1/4 x 1 1/4
A3848	E6571	.91	16000	1, 2, 4	10	Q	1 1/4 x 2 1/4 x 1 1/4
A3865	E6572	.91	1500	2, 4, 6	55	A	1 1/4 x 2 1/4 x 1 1/4
A3496	E6573	1.00	14000(CT)	4	45	A	1 1/4 x 2 1/4 x 1 1/4
A3876	E6544	.68	2000	4	60	A	1 1/4 x 2 1/4 x 1 1/4
A3877	E6545	.68	5000	4	40	A	1 1/4 x 2 1/4 x 1 1/4
A3878	E6546	.68	7000	4	30	A	1 1/4 x 2 1/4 x 1 1/4
A3879	E6547	.71	10000	4	30	A	1 1/4 x 2 1/4 x 1 1/4
A3881	E6548	.71	15000	4	10	A	1 1/4 x 2 1/4 x 1 1/4
A3867	E6574	.94	25000(CT)	4	10	A	1 1/4 x 2 1/4 x 1 1/4
A2203	E6344	.91	4000	8	40	A	1 1/4 x 2 1/4 x 1 1/4
A2313	E6347	1.03	7000	8	40	A	1 1/4 x 3 1/4 x 1 1/4
A2201	E6349	1.32	8000(CT)	6	40	A	1 1/4 x 3 1/4 x 1 1/4
A2312	E6351	1.09	14000(CT)	4	40	A	1 1/4 x 3 1/4 x 1 1/4
A3851	E6575	3.53	4400(CT)	4, 8, 15, 250, 500	70	C	1 1/4 x 2 1/4 x 1 1/4
A3301	E6576	2.94	3000(CT)	4, 8, 15, 500	55	C	3 1/4 x 2 1/4 x 3 1/4
A5528	E6577	2.47	4000(CT)	4, 8, 15, 500	66	C	3 1/4 x 2 1/4 x 3 1/4
A3801	E6578	3.32	5000(CT)	4, 8, 15, 250, 500	80	C	3 1/4 x 2 1/4 x 3 1/4
A3803	E6579	3.88	6000(CT)	4, 8, 15, 250, 500	150	C	3 1/4 x 3 1/4 x 3 1/4
A3304	E6580	2.82	7M/10M(CT)	4, 8, 15, 500	60	C	3 1/4 x 2 1/4 x 3 1/4
A3303	E6581	2.59	14000(CT)	4, 8, 15, 500	55	C	3 1/4 x 2 1/4 x 3 1/4

## Universal Output Transformers

Adjustable for Any Single or Push Pull Tube to Any Speaker

Voice Coil Impedance from 1 to 30 Ohms

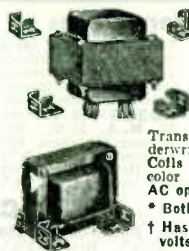
Primaries are center tapped. \*Combination lug and lead terminals.

Stancor Type	Stock Num.	Your Price	Overall Primary Impedance C.T.	Pri. M.A.	Type Mtg.	Size HxWxD
A3856	E6564	\$1.09	4000, 7000, 8000, 10000, 14000	35	Q	1 1/4 x 2 1/4 x 1 1/4
A3849	E6565	1.09	1500, 2000, 4000, 5000, 7000	40	Q	1 1/4 x 2 1/4 x 1 1/4
A3823	E6520	1.09	4000, 7000, 8000, 10000, 14000	40	Q	1 1/4 x 2 1/4 x 1 1/4
A3850	E6566	1.09	4000, 7000, 8000, 10000, 14000	40	J	2 x 2 1/4 x 1 1/4
A3852	E6567	1.41	4000, 7000, 8000, 10000, 14000	40	J	2 x 2 1/4 x 1 1/4
A2855	E6342	1.32	4000, 7000, 8000, 10000, 14000	50	L	2 x 2 1/4 x 2 1/4
A3890	E6569	2.29	4000, 7000, 8000, 10000, 14000	50	E	2 1/4 x 2 1/4 x 2 1/4
A3830	E6521	2.06	3000, 5000, 6000, 7000, 8000, 10M	60	Q	2 1/4 x 2 1/4 x 2 1/4



# STANCOR

# Universal Mounting Replacement Transformers

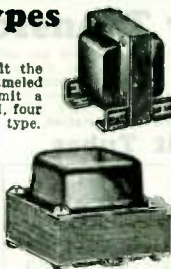


## Universal Mounting Types Power Transformers

Highly efficient, compact transformers designed to fit the majority of present day receivers. Four black enameled brackets furnished with each transformer to permit a choice of five mounting positions—horizontal, vertical, four hole half shell, two hole half shell or underwriters type. Transformers are electro-statically shielded to meet Underwriters approval. Cores of laminated silicon steel. Coils heavily insulated. Heavy 8" flexible leads—RMA color coded. All transformers are for 115 volt, 50-60 cycle AC operation.

\* Both windings may be used at one time at full rating.

† Has additional Tuning motor Winding tapped at 18-24-50 volts.



### For 2.5 Volt Tubes

Stock Number	Stancor Type	Your Price	Number Tubes	Plate Volts	Mils	Rect. Volts	Fil. Amps	Tube Volts	Fil. Amps	Size of Lamination	Thick-ness
E6500	P6001	\$2.18	4 or 5	650CT	40	5CT	2	2.5CT	4	2 1/4 x 3 1/4	2 1/4"
L6501	P6002	2.79	5 or 6	700CT	50	5CT	2	2 1/4CT	7.25	2 1/4 x 3 1/4	2 1/4"
E6502	P6003	3.91	6 or 7	700CT	70	5CT	3	2.5CT	9	2 1/4 x 3 1/4	3 1/4"
E6503	P6005	3.20	6 or 7	700CT	70	5CT	3	2.5CT	9	2 1/4 x 3 1/4	3 1/4"
E6539	P6009	3.20	6 or 7	550CT	70	5CT	3	2.5CT	3.5	2 1/4 x 3 1/4	3 1/4"
E6504	P6004	3.41	8 or 9	700CT	90	5CT	3	2.5CT	10.5	2 1/4 x 3 1/4	3 1/4"
E6505	P6007	4.38	10 to 12	800CT	110	5CT	3	2.5CT	15	3 1/4 x 3 1/4	3 1/4"
E6506	P6008	4.20	11 to 13	700CT	120	5CT	3	2.5CT	12.5	3 1/4 x 3 1/4	3 1/4"

### For 6.3 Volt Tubes

E6542	P6297	\$2.18	4 or 5	480CT	40	5CT	2	6.3CT	2	2 1/4 x 3 1/4	2 1/4"
E6507	P6010	2.18	4 or 5	650CT	40	5CT	2	6.3CT	2	2 1/4 x 3 1/4	2 1/4"
E6516	P6289	2.18	5 or 6	420CT	40	5CT	2	6.3CT	2	2 1/4 x 3 1/4	2 1/4"
E6517	P6119	2.21	6 or 7	600CT	55	5CT	2	6.3CT	2.7	2 1/4 x 3 1/4	2 1/4"
E6528	P6011	2.79	6 or 7	700CT	70	5CT	3	6.3CT	2.5	2 1/4 x 3 1/4	2 1/4"
E6518	P6120	2.94	7 or 8	630CT	70	5CT	3	6.3CT	3.5	2 1/4 x 3 1/4	2 1/4"
E6509	P6012	3.15	8 or 9	700CT	90	5CT	3	6.3CT	3.5	2 1/4 x 3 1/4	2 1/4"
E6510	P6013	3.47	11 to 13	700CT	120	5CT	3	6.3CT	4.7	3 1/4 x 3 1/4	3 1/4"
E6511	P6014	4.56	13 to 15	750CT	150	5CT	3	6.3CT	5	3 1/4 x 3 1/4	3 1/4"
E6540	P6291	4.79	13 to 15	750CT	150	5CT	3	6.3CT	5	3 1/4 x 3 1/4	3 1/4"
E6541	P6165	5.26	14 to 16	800CT	200	5CT	4	6.3CT	5.5	3 1/4 x 3 1/4	3 1/4"
E6304	P6312	3.35	6 or 7	580CT	100	5CT	3	6.3CT	2.8	3 1/4 x 3 1/4	3 1/4"
E6305	P6313	3.71	11 or 13	580CT	125	5CT	3	6.3CT	4.5	4 1/4 x 3 1/4	3 1/4"
E6306	P6314	5.17	14 or 16	700CT	200	5CT	3	6.3CT	5.5	4 1/4 x 3 1/4	3 1/4"
E6307	P6315	7.06	14 or 16	740CT	275	5CT	3	6.3CT	7.0	4 1/4 x 3 1/4	3 1/4"

### Universal Type—6.3 and 2.5 Volt Combinations

The separate filament windings can all be used at one time at full rating if desired. All secondary windings are center tapped. \* Tapped filament winding.

E6487	P6293	\$3.15	6 or 7	680	60	5.0	3.0	2.5	7.5	2 1/4 x 3 1/4	3 1/4"
E6488	P6294	3.68	8 or 9	750	85	5.0	3.0	2.5	9.0	2 1/4 x 3 1/4	3 1/4"
E6489	P6295	3.68	8 or 9	700	90	5.0	3.0	2.5	9.5	2 1/4 x 3 1/4	3 1/4"
E6512	P6008	4.91	14 to 16	750CT	180	5CT	3	6.3CT	3.3	3 1/4 x 3 1/4	3 1/4"
E6308	P6234	4.79	11 or 13	660CT	90	5CT	3	6.3CT	4.0	3 1/4 x 3 1/4	3 1/4"

Has additional 2.5 V. at 1.75 A.C.T. winding

## Exact Duplicate AUDIOS

### Replacements for All Popular Sets



Made exactly like the original transformers. Mounting holes, dimensions, lugs, voltages and color of leads exactly duplicate the originals. In many instances the insulation and the safety factor have been increased wherever the originals were not entirely satisfactory. Many additional replacements have been added to our listing.



RADIO MODEL	Stock No.	Part	Your Price	RADIO MODEL	Stock No.	Part	Your Price
CLARION—AC-60	E6526	P. P. Inp.	\$2.76	PHILCO—Cont.			
AC-61	E6264	P. P. Inp.	2.35	37-38, 37-623			
PHILCO—76, 77,				37-624, 37-643,			
86, 87	E6280	P. P. Inp.	2.21	38-38, 38-39,	E6286	Input	\$1.59
20, 20-A, 21	E6282	P. P. Inp.	1.65	38-623, 38-624,			
20, 20-A, 21, 65, 76,				38-643			
77, 86, 87, 90				RCA—RADIOLA—			
90-A, (2-245's) 95,				VICTOR			
96, 111, 111-A,	E6283	P.P. Out.	1.76	R-35, R-39, RE-57,			
112, 112-A, (2-45's)				RAE-68, RE-73,			
65, 95, 96, 111,				R-80, R-82, R82-R,	E6272	Inp.-Out.	2.79
111-A, 112, 112-A				R-86, R-86R		Assembly	
(2-45's)	E6285	P.P. Inp.	2.82	R-32, RE-45,	E6259	Assembly	6.47
37-38, 37-623,				R-52, RE-75			
37-624, 37-643,				ZENITH			
38-643 (all 121)	E6284	Output	1.18	50, 52, 54, 60, 61, 62,			
				64, 67, 70, 71, 72,	E6296	P.P. Inp.	3.53
				73, 77			

### Stancor Testing Autoformer



E5981—Pt. P6299. **\$573**  
YOUR PRICE .....  
Applies overload voltages to set for testing, causing hard to find intermittently defective parts to break down and thus indicate their location. Tap switch provides 80 to 150 volts output. 150 Watts capacity. For 115 volt, 50-60 cycle AC operation. Size 3 1/2 x 3 1/2 x 4 1/2".

### Speaker Field Substitute

E5985—Pt. C2302. **\$315**  
YOUR PRICE .....  
Takes place of speaker field when checking receiver on test bench without set speaker. 3000 ohms tapped at 2500, 1000 and 750. Provides resistances of 250, 750, 1000, 1750 ohms at 60 Ma or 75 Ma. Intermittently and 500, 1500, 2000, 2250, 2500, 3000 ohms at 40 Ma or 55 Ma. Intermittently. Size 3 1/2 x 2 1/2 x 3".



## Exact Duplicate Power Transformers

Transformers listed below are only a partial selection of those available. For units not listed send us your order giving name, model number of receiver, or select from a Stancor Guide. We will be able to fill your order 99% of the time.



RADIO MODEL	Stock No.	Stancor Type	Your Price
ATWATER-KENT			
60, 60C, (early)	E6309	P-1066	\$5.35
856, 967	E6425	P-6019	4.06
87, 89, 89P, 99(1st & 2nd)	E6030	P-1089	6.12
145, 165, 185, 185A, 186,			
195, 205, 225, 475, 525, 665,	E6014	P-6018	3.88
735, 944			
CLARION			
AC-260	E6051	P-1494	5.15
AC-300	E6059	P-1915	5.23
AC-360 (360)	E6061	P-1841	5.23
480	E6058	P-1560	5.35
CROSLEY			
505, 515, 516, 525, 5515,			
5518, 5516	E6032	P-5086	2.68
517, 547, 567, 5517	E6037	P-5083	3.08
528, 555, 616, 5526, 5555	E6040	P-5091	3.15
1117	E6235	P-6278	4.12
GENERAL ELECTRIC			
E-61, E-62, E-68	E6125	P-6097	3.15
E-61, E-72, E-76, E-79	E6127	P-6033	3.53
E-81, E-86	E6151	P-6088	4.20
E-91, E-95, E-101, E-105,			
E-106	E6152	P-6034	4.62
H-31, H-51, H-51-R, H-71,			
H-91, H-91R	E6076	P-713	5.76
M-51, M-51A, M-56, M-61,			
M-66, M-62, M-67			
M-69, M-655, S-22,			
S-22A, S-22X	E6189	P-6047	3.53
MAJESTIC			
91, 92, (40) 101 (100)			
71, 72 (Plate, 70 chassis)	E6426	P-757	5.53
90, 91, 93 (90B chassis)	E6108	P-790	3.70
102, 103 (100-B chassis)	E6111	P-939	5.18
PHILCO			
14-Late, 18, 118			
(Code 124)	E6132	P-1568	4.79
19, 44, 60, 66, 89, 264, 265	E6207	P-5021	2.82
57, 58, 59	E6128	P-5020	2.68
65 (Chassis 65)	E6136	P-711	5.06
70, 70A, 270, 370, 470,			
470A, 570	E6137	P-1110	5.00
86 (Chassis 86)	E6140	P-786	4.79
RCA—RADIOLA—			
VICTOR			
R-64, R-67			
R-32, R-52, RE-45, RE-75	E6159	P-827	12.94
RAE-68, 80, 82, 86, 82R,	E6160	P-717	6.47
86R	E6427	P-713	5.76
R-7, R-7LW, R-9, RE-16	E6080	P-1481	3.88
R-7A, RE-16A	E6080	P-1481	3.88
R-8, R-10, R-12, RE-19,			
EO-23, R-71, R-72	E6078	P-1483	4.70
9K2, 9T, 9U, 9U2, 10K,			
10T			
R-60, R-62	E6229	P-6043	4.00
R78, RAE84	E6045	P-715	4.41
T-4-8A, T-4-9A, 4T	E6242	P-6054	5.76
100, (late) 101, 301, T-4-8	E6243	P-6049	2.68
C6-11, C6-12, 6K, 6T, 7K,	E6246	P-6052	2.41
71, 8K, 8K1, 8T	E6244	P-6074	2.82
SPARTAN			
103, 301, 584, 570, 578,			
740, 750	E6184	P-1872	7.23
ZENITH			
50, 52, 53, 54, 55, 60, 61,			
62, 64, 67, 70, 71, 72,			
73, 77			
4P26, 4T26, 4P51, 4T51,			
5B123, 5B135, 5B165,	E6206	P-712	6.47
5B119, 5B126, 5B127,			
5B151, 5B181	E6210	P-5087	2.06
6-8-27, 6-8-52, 6-8-128,			
6-8-137, 6-8-147,			
6-8-152, 6-8-157,			
6-8-28, 7-8-53, 8-8-129,	E6298	P-5083	2.82
8-8-164			

### Stancor Service Guide

E6245 — Complete transformer guide for over 4300 receivers.

FREE—Stancor Catalog  
E5987 — Complete replacement Transformer catalog—FREE.

### Hammanual

E5993 — Popular transmitter circuits, formulas, charts, power supply kits. **YOUR PRICE, Net.. 150**





# Audio - Input - Output TRANSFORMERS - Filter CHOKES

## Universal Power Transformers

Keystone power transformers are the finest quality, best transformers values obtainable at these low prices. Compact sizes and universal mounting are designed to meet the majority of your replacement needs. Two types of transformers available—the Universal Type can be mounted in any position.

Mounting centers are sufficiently adjustable to allow replacement in most radios without drilling holes. Flush Mounting Type fit the physical and electrical requirements of most receivers. Shells are black enamel finish. For 105-120 volt, 50-60 cycle AC operation.

### Universal Type For 2.5 Volt Tubes Flush Mounting

Stock Num.	Your Price	Number Tubes	Plate Volts	Rect. Fil. Milla	Rect. Fil. Volts	Rect. Fil. Amps	Tube Fil. Volts	Tube Fil. Amps	Trans. Mfg. Ctrs.	Stock Num.	Your Price
E6550	\$1.19	4 or 5	650C/T	40	5	2	2.5C/T	3.75	2" x2 1/2"	E6417	\$1.05
E6551	1.53	5 or 6	650C/T	50	5	2	2.5C/T	7.0	2" x2 1/2"	E6420	1.26
E6552	1.98	6 or 7	700C/T	70	5	3	2.5C/T	9.0	2 1/4" x2 1/4"	E6422	1.80
E6553	2.47	8 or 9	700C/T	90	5	3	2.5	12.5	2 1/2" x3 1/4"	E6423	2.29
E6554	2.98	10 to 13	700C/T	110	5	3	2.5C/T	14.0	2 1/4" x3 1/4"	E6424	2.49
							2.5C/T	3.6			

### For 6.3 Volt Tubes

Stock Num.	Your Price	Number Tubes	Plate Volts	Rect. Fil. Milla	Rect. Fil. Volts	Rect. Fil. Amps	Tube Fil. Volts	Tube Fil. Amps	Trans. Mfg. Ctrs.	Stock Num.	Your Price
E6555	\$1.19	4	650C/T	40	5	2	6.3	1.6	2" x2 1/4"	E6411	\$1.09
E6556	1.35	4 or 5	650C/T	40	5	2	6.3C/T	2.0	2" x2 1/4"	E6413	1.19
E6557	1.89	6 or 7	700C/T	70	5	3	6.3C/T	2.5	2 1/4" x2 1/4"	E6415	1.86
E6558	2.39	8 or 9	700C/T	90	5	3	6.3C/T	3.5	2 1/4" x2 1/4"	E6560	2.19
E6559	2.65	10 to 13	700C/T	120	5	3	6.3C/T	4.7	2 1/2" x3 1/4"	E6561	2.65

### Universal Output Transformer

#### Matches Any Tube To Any Speaker

Equipped with a high impedance center tapped primary and a secondary having a combination of taps making it possible to correctly match any single or P.P. tube to any speaker voice coil of 1 to 30 ohms impedance. Cadmium plated channel frame. Constructed of high quality materials. Thoroughly impregnated. Instructions included.

**C6409**—Handles 4 Watts Output. Size, 1 1/2" x1 1/2" x1 1/2". Mfg. Ctrs. 2". **79c**

**C6909**—Handles 8 Watts Output. Size, 1 1/2" x1 1/2" x1 1/2". Mfg. Ctrs., 2 1/2". **\$1.00**

### Heavy Duty Universal Output Transformers

#### Correctly Matches All Tubes to any Speaker

An essential stock item for every serviceman. Designed with a high impedance primary having a special tapped secondary to permit ratio of turns in winding to match any standard power tube plate impedance, singly or in push-pull. Matches any voice coil between 0.11 ohm and 54 ohms. Complete with instructions.

#### Will Handle 12 Watts Output

**C6850**—With Vertical Mounting Frame as illustrated. Mounting hole centers 2 1/2".

**C6983**—With Horizontal Mounting Frame. Mounting hole centers 2 1/2". **\$1.06**

#### Will Handle 18 Watts Output

**C6851**—With Horizontal Mounting Frame. Mounting centers 3 1/2". **\$1.37**

### Tube Tester Transformers

#### With Tapped Primary

Supplies Filament Voltages of 1.5 to 110 volts.

**D6728**— **\$1.98**

For constructing or modernizing tube testers. Supplies correct filament voltages for testing all receiving tubes. Voltages provided: 1.5, 2.0, 2.5, 3.3, 5.0, 6.3, 7.5 at 2 amps., 12.6, 25.0, 32.5, 45, 70 and 110 volts at 1.5 amps. Tubes of other filament voltages can be tested on next lower voltage specified above. Primary tapped for 95-105-115-125 volt, 50-60 cycle AC operation, compensates for varying line voltages. Also suitable for use with tube testers having line voltage adjustments. 8" Leads. Channel frame mounting. Size 2 1/2" x2 1/2" x3 1/2" wide. Mfg. ctrs. 3 1/2".

### Class "B" Audio Driver Transformer

Single 30 to 1-19, 1-116G, or 2-30's

Couples a type 30 tube to push-pull 19, 116G or 2-30 tubes in Class "B." Used in battery receivers. Cadmium plated frame. 6" Leads. 1/2" x 1/2" Core. Size, 1 1/2" x2 1/2" high. Mounting ctrs. 2 1/2". **C6908**—List, \$1.65. **YOUR PRICE..... 87c**

**C6906**—Same as above except 1/2" x 1/2" core. 2" Mfg. Ctrs. **YOUR PRICE..... 79c**

### Push-Pull Input Transformer

High quality transformer carefully constructed. Fully impregnated for protection against moisture. For use as replacement in all Class "A" circuits. Ratio of overall winding is 1 to 3. May be used as straight secondary by disregarding secondary center tap. Core Semi-shielded. Cadmium 6" insulated leads. Size: 1 1/2" high, 1 1/2" long, and 1 1/2" deep. Mounting centers 2 1/2".

**C6736**— **YOUR PRICE..... \$1.03**

### Special Value Push Pull Input

**C6431**—1:3 Ratio. Semi-shielded. Cadmium plated channel frame. Core size, 1/2" x 1/2". Ht. 1 1/2". Wd., 1 1/2". Depth, 1 1/2". Mfg. Cent. 2 1/2". **YOUR PRICE..... 84c**

**C6853**—Straight Audio for Sgle. plate to sgle. grid. 1:3 Ratio, 10 Ma. Pri. Can. Size: 2 1/2" x 3 1/2". Mfg. Ctrs., 2 1/2". Fully shielded. **YOUR SPECIAL PRICE..... 69c**

### Output Transformers

A type and size to fit every dynamic speaker requirement. Output transformers of these specifications and characteristics are standard equipment on thousands of speakers. The two sizes listed fit any standard make of speaker. Match practically any dynamic speaker voice coil.

Stock Num.	Plate Imped.	Pri. Ma.	Core Size	Mfg. Ctrs.	Your Price
C6429	7000	25	1 1/2"	2 1/4"	49c
C6939*	25000	8	1 1/2"	2 1/4"	59c
C6923	2000	30	1 1/2"	2 1/4"	59c
C6924	7000	30	1 1/2"	2 1/4"	59c
C6925	10000	30	1 1/2"	2 1/4"	59c
C6931	2000	35	1 1/2"	2 1/4"	85c
C6932	7000	35	1 1/2"	2 1/4"	85c

#### For Push Pull Tubes

Stock Num.	Plate Imped.	Pri. Ma.	Core Size	Mfg. Ctrs.	Your Price
C6430	14000	25	1 1/2"	2 1/4"	54c
C6927	4000	30	1 1/2"	2 1/4"	64c
C6928	14000	30	1 1/2"	2 1/4"	64c
C6929	20000	30	1 1/2"	2 1/4"	64c
C6935	4000	35	1 1/2"	2 1/4"	93c
C6936	14000	35	1 1/2"	2 1/4"	93c

\*For Portable Battery Operated Radios having type 1A5G or 1E7G output tubes and 3 to 6 ohm P.M. Dynamic Speakers.

### 30 Henry Filter Chokes



Layer wound and layer insulated coils. Silicon steel core. Cadmium plated rust-proof frames. 6 inch insulated leads.

**K6385**—30 Henries, 50 Ma. D.C. Resistance 550 ohms. Dimensions: Core 1/2" x 1/2" x 1/2". Height 1 1/2". Depth 1 1/2". Length 2 1/2". Mounting centers 2 1/2". List Price, \$1.65. **YOUR PRICE..... 75c**

**C6386**—30 Henries, 75 Ma. DC Resistance 200 Ohms. Dimensions: Core 1/2" x 1/2" x 1/2". Height 1 1/2". Depth 1 1/2". Length 2 1/2". Mounting centers 2 1/2". List Price, \$1.65. **YOUR PRICE..... 87c**

**C6387**—15 Henries, 100 Ma. DC Resistance 160 Ohms. Dimensions: Core 1/2" x 1/2" x 1/2". Height 1 1/2". Depth 1 1/2". Length 2 1/2". Mounting centers 2 1/2". List Price, \$1.65. **YOUR PRICE..... 87c**

### Replacement Chokes

For A.C., D.C.

#### Receivers

Open type, cadmium plated, rust-proof frames. Silicon steel core, 6 inch insulated leads. A size for practically every replacement. Highest quality chokes fully guaranteed. Core Size 1/2" x 1/2" x 1/2". Mfg. Hole Centers 2". Dimensions: 1 1/2" x 2 1/2" x 1 1/2". 15 Henries at 50 Ma. A.

Stock Number	D.C. Resist.	Stock Number	D.C. Resist.	Your Price
K6388	200	K6392	400	<b>39c</b> Each
K6390	300	K6394	500	

### Universal Line Output Transformer

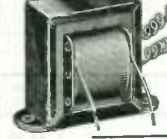
#### Correctly Matches any Speaker to Line

High grade, electro silicon, lapped laminations. Climate proof impregnation. Will match any speaker with 1 to 30 ohms voice coil to 500, 1000, 1500 or 2000 ohm P.A. amplifier output or line. Especially desirable to obtain correct impedance match when a number of speakers are to be used. Wiring instructions included.

**C6948**—Will Handle 12 Watts Output. 1/2" core, 2 1/2" Mfg. Ctrs. List, \$2.60. **\$1.37**

**C6949**—Will Handle 18 Watts Output. 7/8" core, 2 1/2" Mfg. Ctrs. List, \$2.80. **\$1.48**

### Filament Transformers



**R6725**— **YOUR PRICE..... 84c**

110 V. primary. Secondary 2 1/2 V., 5% amp. Mfg. centers 2 1/2". 2 1/2" high, 1 1/2" wide.

**6.3 Volt 1.5 Amp. Filament Transformer** Center tapped. **E6724**— **YOUR PRICE..... 79c**

**6.3 Volt 3 Amp. Filament Transformer** Size and appearance identical to R6725 transformer. Delivers 6.3 volts at 3 amps. For use with the new 6.3 volt tubes on 115 volt A. C. Can also be used on 7.5 volt tubes. 30 watts. **K6727**— **YOUR PRICE..... \$1.13**

### Microphone Input Transformers

#### Unshielded Type

Couples carbon microphone to 60,000 ohm tube grid input of P.A. Amplifier. 6" Wire leads.

**D6738**—For Single Button Carbon Mike. Horizontal mounting. Core 1/2" x 1/2" x 1/2". Mfg. ctrs. 2", 1-1 1/2" x 1 1/2" h. **YOUR PRICE..... 65c**

**D6739**—For Double Button Carbon Mike. Vertical mounting. Core 1/2" x 1/2" x 1/2". Mfg. ctrs. 2", 1-1 1/2" x 1 1/2" h. **YOUR PRICE..... 89c**





# Metallized

# RESISTORS-CONTROLS

## Resistor Assortments With Metal Cabinet



Durable metal cabinet. Holds a complete supply of resistors. Drawers have firmly attached metal partitions. Size: 11"x5 1/2"x5 1/2" high. Can be stacked one above the other.

**C15819**—Contains 59 resistors: 8 Type BT 1/2 Watt Metallized, 37 Type BT 1 Watt Metallized, 10 Type AB 10 Watt Wirewound and 4 Type ABA 10 Watt Wirewound Resistors. List value resistors, \$16.46.  
**YOUR PRICE, with Cabinet... \$968**

**C15817**—Contains 100 Type BT 1/2 Watt Metallized Resistors. List value of resistors, \$17.00.  
**YOUR PRICE, with Cabinet... \$1000**

**C15818**—Contains 83 Type BT-1 1 Watt Insulated Metallized Resistors. List value of resistors, \$16.60.  
**YOUR PRICE, with Cabinet... \$976**

## IRC Adjustable Wire Wound Resistors



**10 Watt—  
Type ABA**  
Size  
1 1/4" x 5/16"

Can be adjusted to desired resistance up to total rating. Very desirable in emergency to supply exact value required. Evenly spaced, best quality resistance wire machine wound on non-moisture absorbing ceramic core. Moisture-proof cement coating. Tolerance 5%.

Stock Number	Resist. Ohms	Stock Number	Resist. Ohms
E2733	1	E2710	1,000
E2734	5	E2711	1,250
E2700	10	E2712	1,500
E2701	10	E2713	2,000
E2735	20	E2714	2,500
E2702	25	E2715	3,000
E2703	50	E2737	3,500
E2736	75	E2716	4,000
E2704	100	E2738	4,500
E2705	150	E2717	5,000
E2706	200	E2739	6,000
E2707	250	E2718	7,500
E2708	500	E2740	9,000
E2709	750	E2719	10,000

List Price, 75c.

**YOUR PRICE, Each..... 44c**  
**E2741**—Extra bands for above.  
**YOUR PRICE, Each..... 6c**

## IRC Center Tapped Wire Wound Resistors



Completely enclosed in molded bakelite. Withstands high temperatures. For balancing circuits in receivers or transmitters. Will carry up to 5 watts using special mounting bracket supplied or 2 1/2 watts in open air. Bracket mounting centers 2 1/2".

Stock Number	Resist. Ohms	Stock Number	Resist. Ohms
A2650	10	A2653	75
A2651	20	A2654	100
A2652	50	A2655	200

List Price, 35c.

**YOUR PRICE, Each..... 21c**

## New IRC Insulated Resistors



**1/2 Watt**

Size 3/8" x 3/16"

List, 17c.

**YOUR PRICE, Each... 10c**

**Type BW—Wirewound**

Resistance Ohms	1/2 Watt Stock Number	1 Watt Stock Number	2 Watt Stock Number
0.5	A2660	A2720	A2850
1	A2661	A2721	A2851
2	A2662	A2722	A2852
3	A2663	A2723	A2853
5	A2664	A2724	A2854
7.5	A2665	A2725	A2855
10	A2666	A2726	A2856
15	A2667	A2727	A2857
25	A2668	A2728	A2858
50	A2669	A2729	A2859
75	A2670	A2730	A2860
100	A2671	A2731	A2861
120	A2672	A2732	A2862
150	A2673	A2733	A2863
200	A2674	A2734	A2864
250	A2675	A2735	A2865
300	A2676	A2736	A2866
350	A2677	A2737	A2867
400	A2678	A2738	A2868
450	A2679	A2739	A2869
500	A2680	A2740	A2870
600	A2681	A2741	A2871
750	A2682	A2742	A2872
800	A2683	A2743	A2873
1000	These resistors are not available in 1/2 watt	A2844	A2874
1250		A2845	A2875
1500		A2846	A2876
2000		A2847	A2877
2250		A2848	A2878
2500		A2849	A2879

**1 Watt**

Size 1 1/4" x 1/4"

List, 20c.

**YOUR PRICE, Each... 12c**

**Type BT—Metallized**

Resistance Ohms	1/2 Watt Stock Number	1 Watt Stock Number	2 Watt Stock Number
1000	A2482	A2414	A2604
1500	A2484	A2416	A2606
2000	A2485	A2417	A2608
2500	A2487	A2419	A2610
3000	A2488	A2420	A2611
4000	A2490	A2422	A2612
5000	A2491	A2423	A2613
6000	A2492	A2424	A2614
7500	A2494	A2426	A2616
10,000	A2497	A2429	A2617
12,500	A2499	A2432	A2618
15,000	A2500	A2433	A2619
20,000	A2502	A2435	A2620
25,000	A2504	A2437	A2621
30,000	A2505	A2438	A2622
40,000	A2507	A2440	A2623
50,000	A2508	A2441	A2624
65,000	A2510	A2443	A2625
75,000	A2512	A2445	A2626
100,000	A2513	A2446	A2627
150,000	A2515	A2448	A2629
200,000	A2516	A2449	A2631
250,000	A2517	A2450	A2632
300,000	A2518	A2451	A2633
500,000	A2520	A2453	A2643
600,000	A2521	A2454	A2644
750,000	A2522	A2455	A2634
1.0Meg.	A2523	A2456	A2635
2.0	A2525	A2458	A2637
5.0	A2529	A2461	A2639
10.0	A2531	A2464	A2642
20.0	A2532	A2465	A2644

## Types BW and BT

Highest quality molded bakelite insulated resistors. Fully protected against shorts or moisture break down. 1 1/2" leads are securely anchored. Metallized resistance element has exceptionally low noise level; wirewound types are especially designed for use in circuits requiring lower resistances. Accuracy  $\pm 10\%$ . Will stand overloads of 100% for short periods. Individually marked as well as color coded.

## IRC Wire Wound Precision Resistors

**Type  
WW-4**

**1 Watt  
1%  
Accuracy**



Actually bridge-tested and guaranteed to be accurate within 1%. Space wound with highest quality enameled resistance wire in layers on Isolantite and impregnated with moisture resistant compound to insure against variation due to moisture absorption of temperature fluctuation. Non-inductive—low distributed capacity due to high insulation between turns and multiple layer design.

Size 9/16" Dia.—1" Long Lug Terminals	Stock Number	Resist. Ohms	List Price	YOUR PRICE
R3601	1	\$0.85		
R3603	10	.85		
R3604	25	.85		
R3605	50	.85		
R3606	100	.85		
R3607	200	.85		
R3608	250	.85		
R3609	500	.85		
R3610	1,000	.90		
R3611	1,500	.90		
R3612	2,500	.90		
R3613	4,000	1.00		
R3616	4,950	1.00		
R3617	5,000	1.00		
R3618	9,950	1.00		
R3619	10,000	1.00		
R3620	12,500	1.10		
R3621	15,000	1.10		
R3624	40,000	1.35		
R3626	50,000	1.35		
R3627	75,000	1.60		
R3629	100,000	1.85		
R3631	150,000	2.35		
R3633	200,000	2.35		
R3634	250,000	2.60		
R3646	300,000	2.85		
R3635	400,000	3.00		
R3636	500,000	3.40		
R3640*	1 Meg.	5.25		

\*Size, 3/4" Dia., 1 1/4" long.

## IRC Fixed Power Wire Wound Resistors



Machine wound evenly spaced high quality wire on a non-moisture absorbing ceramic core. Covered overall with a newly developed moisture-proof cement coating. Tolerance 5%.

**10 Watt—Type AB**  
Size 1 1/4" x 5/16"

Stock Number	Resist. Ohms	Stock Number	Resist. Ohms
K2750	10	K2767	1,250
K2751	15	K2768	1,500
K2752	20	K2769	2,000
K2753	25	K2770	2,250
K2754	50	K2771	2,500
K2755	75	K2772	3,000
K2756	100	K2773	3,500
K2757	150	K2774	4,000
K2758	200	K2775	4,500
K2759	250	K2776	5,000
K2760	300	K2777	6,000
K2761	400	K2778	7,000
K2762	500	K2779	7,500
K2763	600	K2780	8,000
K2764	750	K2781	9,000
K2765	800	K2782	10,000
K2766	1,000		

List, 45c.

**YOUR PRICE, Each..... 27c**

Stock Number	Resist. Ohms	Stock Number	Resist. Ohms
K2783	11,000	R2790*	30,000
K2784	12,000	R2791*	35,000
K2785	12,500	R2792*	40,000
K2786	15,000	R2793*	50,000
K2787	20,000		
K2788	25,000		

List, 50c.

**YOUR PRICE..... 29c**

## IRC All Metal Power Rheostats

Constructed with sturdy cast aluminum frame for rapid heat dissipation. Heat is uniformly distributed permitting safe operation at full rated load down to 25% of full rotation. Silent spiral connector gives positive contact between rotor arm and center terminal. Terminals mounted on porcelain and insulated from frame. Heavy mica insulation between mounting in panels up to 1/2" thick. Size: 2 1/2" x 1 1/2" x 1 1/2" deep. 50 Watt, 2 1/2" dia. 1 1/2" deep. 1 1/2" Arrows knob included.



**PR-25—25 Watt**

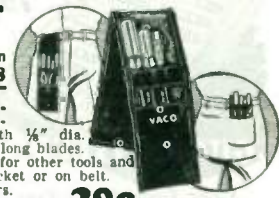
**PR-50—50 Watt**

Stock Num.	Ohms Resist.	Max. Ma.	Your Price	Stock Num.	Ohms Resist.	Max. Ma.	Your Price
C12965	1	5,000	\$2.65	C12979	1	7,070	\$2.94
C12966	6	2,040		C12980	6	2,880	
C12967	8	1,770		C12981	12	2,040	
C12968	10	1,580		C12982	22	1,500	
C12969	25	1,000		C12983	50	1,000	
C12970	50	709		C12984	80	790	
C12971	100	500		C12985	150	575	
C12972	250	315		C12986	300	407	
C12973	350	267		C12987	500	315	
C12974	500	222		C12988	1000	223	
C12975	1000	155		C12989	1600	177	
C12976	1500	125		C12990	2500	140	
C12977	2500	100		C12991	5000	100	
C12978	5000	70		C12992	10000	70	

## Pocket Screw Driver Kit

C5787—Set of 3 Screwdrivers in Leatherette Pocket Case.  
**YOUR SPECIAL PRICE..... \$1.18**

A necessity for every serviceman. Contains 3 transparent, shock-proof, unbreakable handle type screwdrivers with 1/4" dia. 4" long. 1/4" dia. 8" long and 3/8" dia. 6" long blades. Black leatherette case has compartment for other tools and double snap fastener for carrying in pocket or on belt.  
C5788—Case Only. Less Screwdrivers.  
**YOUR PRICE..... 29c**





# CARBON *Certified* RESISTORS

The Only Safe  
Kind to Use

Radolek Quality  
is always the Best

## New Insulated Carbon Resistors



### Certified Quality

Finest quality, new fresh stock direct from the factory. The development of years of extensive research and manufacturing experience. Resistance is permanent, within a narrow range even when operated at overloads for a long period of time. Fully insulated. Impervious to moisture, heat, and mechanical strain. Resistors may touch each other without shorting. Conservative wattage rating.

Variations from values are negligible. Ratings guaranteed within 10%. Average variations close to 5%. Unusually quiet and become MORE QUIET the longer in use. Very strong and sturdy. Will stand all reasonable handling in manufacturing and repacking. All have heavy 1 1/2" long tinned copper wire leads. Perfect and permanent electrical and mechanical contact. Each resistor marked with standard R.M.A. color code or labeled with rated resistance. Accuracy and quality guaranteed.

### Buy With Confidence

These Radolek highest quality carbon resistors are made by the recognized leading Resistor Manufacturers. We well know that there are resistors offered by many others at lower prices than quoted here. But Radolek refuses to handle products of doubtful quality. Servicemen can always be sure of receiving only the Highest Quality Carbon Resistors when dealing with Radolek. We always have supplied only the finest quality resistors as "Radolek Certified Carbon Resistors."

No Serviceman Can Afford to Waste His Time or Jeopardize His Reputation Using Inferior "Job Lot" or "Surplus" Resistors. Resistors Offered At Lower Prices Are of Inferior Quality and Expensive At any Price.

### Resistance Indicator



Handy pocket size color code indicator with three rotary switches in colors. Indicates value of any resistor which is color coded according to R.M.A. Standards, either old style with center dot, or new style with colored bands. The guide is marked for "Body," "End," and "Dot" colors. Shpg. wt. 2 oz. Free with order for any 24 resistors.

C2299—  
PRICE, If Purchased Separately..... **12¢**

1/3 WATT	1/2 WATT	1 WATT	3 WATT
Each 5c	Each 6c	Each 7c	Each 10c
10 for .. <b>45c</b>	10 for .. <b>51c</b>	10 for .. <b>60c</b>	10 for .. <b>90c</b>
Per Hundred .....\$4.20	Per Hundred .....\$4.75	Per Hundred .....\$5.60	Per Hundred .....\$8.40

Resistance Ohms	1/3 Watt Stock No.	1/2 Watt Stock No.	1 Watt Stock No.	3 Watt Stock No.	Resistance Ohms	1/3 Watt Stock No.	1/2 Watt Stock No.	1 Watt Stock No.	3 Watt Stock No.	Resistance Ohms	1/3 Watt Stock No.	1/2 Watt Stock No.	1 Watt Stock No.	3 Watt Stock No.
100	D2000	D2065	D2135	D2205	3,500	D2021	D2086	D2156	—	100,000	D2041	D2106	D2176	D2236
150	D2001	D2066	D2136	D2206	4,000	D2022	D2087	D2157	D2220	150,000	D2042	D2107	D2177	D2237
200	D2002	D2067	D2137	—	4,500	D2023	D2088	D2158	—	200,000	D2043	D2108	D2178	D2238
250	D2003	D2068	D2138	D2207	5,000	D2024	D2089	D2159	D2221	250,000	D2044	D2109	D2179	D2239
300	D2004	D2069	D2139	D2208	6,000	D2025	D2090	D2160	D2222	300,000	D2045	D2110	D2180	D2240
350	D2005	D2070	D2140	D2209	7,000	D2026	D2091	D2161	D2223	400,000	D2046	D2111	D2181	D2241
400	D2006	D2071	D2141	—	8,000	D2027	D2092	D2162	D2224	Megohms	D2047	D2112	D2182	D2242
450	D2007	D2072	D2142	—	9,000	D2028	D2093	D2163	D2225	.5	D2048	D2113	D2183	—
500	D2008	D2073	D2143	D2210	10,000	D2029	D2094	D2164	D2226	.6	D2049	D2114	D2184	D2243
600	D2009	D2074	D2144	—	12,500	D2030	D2095	D2165	D2227	.75	D2050	D2115	D2185	—
700	D2010	D2075	D2145	D2211	15,000	D2031	D2096	D2166	D2228	.9	—	—	—	—
800	D2011	D2076	D2146	D2212	17,500	D2032	D2097	D2167	—	1.0	D2051	D2116	D2186	D2244
900	D2012	D2077	D2147	D2213	20,000	D2033	D2098	D2168	D2229	1.5	D2052	D2117	D2187	—
1,000	D2013	D2078	D2148	D2214	22,500	D2034	D2099	D2169	—	2.0	D2053	D2118	D2188	—
1,250	D2014	D2079	D2149	D2215	25,000	D2035	D2100	D2170	D2230	2.5	D2054	D2119	D2189	—
1,500	D2015	D2080	D2150	D2216	30,000	D2036	D2101	D2171	D2231	3.0	D2055	D2120	D2190	—
1,750	D2016	D2081	D2151	—	40,000	D2037	D2102	D2172	D2232	3.5	D2056	D2121	D2191	—
2,000	D2017	D2082	D2152	D2217	50,000	D2038	D2103	D2173	D2233	4.0	D2057	D2122	D2192	—
2,250	D2018	D2083	D2153	D2218	60,000	D2039	D2104	D2174	D2234	5.0	D2058	D2123	D2193	—
2,500	D2019	D2084	D2154	—	75,000	D2040	D2105	D2175	D2235	6	D2059	D2124	D2194	—
3,000	D2020	D2085	D2155	D2219	—	—	—	—	—	10.0	D2060	D2125	D2195	—

## The RADISTOR Kit

Twenty-Four "Certified" Insulated Resistors

In Compact Lacquered Metal Carrying Case

Without Metal Case

A3990—1 Watt Kit.....	\$2.19	C3993—1 Watt Kit.....	\$1.46
K3991—1/2 Watt Kit.....	1.94	C3994—1/2 Watt Kit.....	1.21
K3992—1/3 Watt Kit.....	1.80	C3995—1/3 Watt Kit.....	1.07

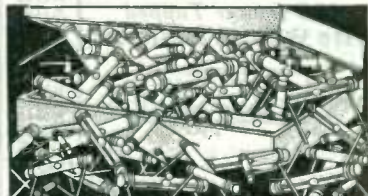
**CASE ONLY**  
**R3996—75¢**

These kits enable the serviceman to make practically any resistor repair regardless of any unusual value resistance needed. Twenty-four of the most popular value resistors are included as follows: 1 each—100; 250; 400; 500; 800; 1,000; 2,000; 3,000; 5,000; 6,000; 10,000; 12,500; 15,000; 20,000; 25,000; 40,000; 50,000; 60,000; 75,000; 100,000; 250,000; 500,000 ohms; 1 megohm; 2 megohms. If value wanted is not in kit, combinations can be made to give a resultant resistance of any exact value needed. Simple chart and calculating formulae included in kit. Accuracy guaranteed within 10%, and most values are actually within 5%.

### In the Metal Box

Resistors are always ready and safe. Strong, green lacquered heavy gauge steel boxes protect the resistors against the roughest handling. Drop the kit in your tool box, on the job, you are always sure to have the correct dependable resistors ready to use. The right resistor when you want it.

## SPECIAL BARGAIN Carbon Resistor Kits

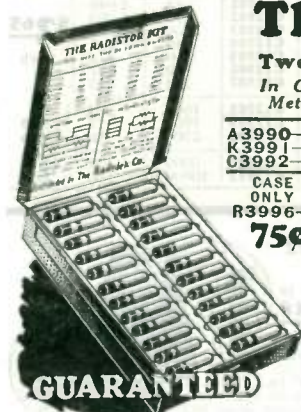


**A3997—Kit of 50 assorted Resistors in 1/4 and 1/2 watt sizes.**  
**YOUR PRICE .....\$1.45**

**A3998—Kit of 100 assorted Resistors in 1/4 and 1/2 watt sizes.**  
**YOUR PRICE .....\$2.69**

**A3999—Kit of 100 Resistors. Contains: 25-1 watt, 50-1/2 watt and 25-1/4 watt resistors.**  
**YOUR PRICE .....\$2.95**

Kits are made up of resistances most commonly used in factory made sets. R.M.A. color coded. 1 1/2" tinned wire leads. Outstanding values!



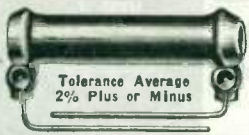
**GUARANTEED**

Color Code Chart Free



# Wire Wound Resistors For Use in Circuits of High Power Dissipation

## Vitreous Enameled Resistors



Tolerance Average  
2% Plus or Minus

Wire wound on a 1/4" porcelain tube 1 1/2" long with a 1/4" hollow center. Coated with high quality Vitreous enamel and fired at red heat making an enamel coating which is fused tightly to the wire, terminal connections, and base. Either the solder lugs or 1/4" tinned wire leads may be used for mounting unit in circuit.

**Non-Porous Waterproof Coating**

**10 Watt YOUR PRICE, EACH 19c 5 for .....89c**

Stock Number	Ohms	Stock Number	Ohms	Stock Number	Ohms	Stock Number	Ohms	Stock Number	Ohms
R3304	5	R3312	50	R3320	300	R3329	2,000	R3337	10,000
R3305	7.5	R3313	75	R3322	400	R3330	2,500	R3338	12,000
R3306	10	R3314	100	R3323	500	R3331	3,000	R3339	15,000
R3307	15	R3316	150	R3325	750	R3333	4,000	R3340	20,000
R3308	20	R3317	175	R3326	1,000	R3334	5,000	R3341	25,000
R3309	25	R3318	200	R3327	1,250	R3335	6,000	R3342	30,000
R3310	30	R3319	250	R3328	1,500	R3336	7,500	R3344	50,000

### 20 Watt Size—2 Inches Long

Stock Number	Resistance Ohms	Stock Number	Resistance Ohms	Stock Number	Resistance Ohms	Stock Number	Resistance Ohms
R3350	5	R3363	750	R3379	4000	R3393	50,000
R3351	10	R3365	1000	R3381	5000		
R3352	15	R3368	1500	R3385	8000		
R3354	100	R3371	2000	R3386	10000		
R3355	150	R3374	2500	R3388	15000		
R3357	250	R3376	3000	R3389	25000		
R3361	600	R3378	3750	R3392	45000		

**YOUR PRICE 32c**   **YOUR PRICE 32c**   **YOUR PRICE 32c**   **YOUR PRICE 37c**

### 50 Watt Size—4 Inches Long (with lugs)

Stock Number	Resistance Ohms	Stock Number	Resistance Ohms	Stock Number	Resistance Ohms	Stock Number	Resistance Ohms
R3253	250	R3258	1500	R3277	7,500	R3274	50,000
R3254	500	R3261	2500	R3269	10,000	R3278	75,000
R3256	1000	R3263	5000	R3272	25,000	R3276	100,000

**YOUR PRICE 54c**   **YOUR PRICE 54c**   **YOUR PRICE 61c**   **YOUR PRICE 70c**

## Adjustable Voltage Dividers



Guaranteed Standard  
N.E.M.A. Ratings

Complete with  
One Adjustable Lug

Small contact button on adjustable lug shorts out minimum of resistance. Monel Metal lugs insure firm connection with resistance wire. New longer tube permits the use of more than one adjustable lug where required. Rated strictly in accordance with the requirements of the National Electric Manufacturers Association. Adjustable mounting brackets.

### Vitreous Enameled

Will replace any tapped voltage divider. Wound on insulating tube and covered with high grade vitreous enamel. A narrow track of exposed wire provides a simple means of adjusting the slider lug to the exact value desired. Out minimum of resistance.

**25 Watt Size 2"x3/4"**   **50 Watt Size 4"x3/4"**   **80 Watt Size 6"x3/4"**

Stock Number	Resist. Ohms	Max. Curr't M.A.	Stock Number	Resist. Ohms	Max. Curr't M.A.	Stock Number	Resist. Ohms	Max. Curr't M.A.
K3405	5	2450	K3430	100	740	K3450	100	865
K3406	15	1410	K3431	200	520	K3451	200	545
K3407	50	770	K3432	500	350	K3452	500	387
K3408	100	645	K3433	1000	234	K3453	1000	270
K3410	200	385				K3456	2500	173
			K3434	2000	165	K3457	5000	122
K3411	250	345	K3435	3000	135			
K3412	500	245	K3436	4000	117			
K3414	800	193	K3437	5000	104			
K3415	1000	173						
K3416	1500	141						
K3417	2000	122						
K3418	3000	100						
K3419	5000	77						

**YOUR PRICE .....48c**   **YOUR PRICE .....76c**   **YOUR PRICE .....98c**

**K3438** | 7500 | 85   **K3462** | 50000 | 39  
**K3439** | 10000 | 74   **K3463** | 100000 | 27  
**K3440** | 12000 | 67   **K3464** | 150000 | 39  
**K3441** | 15000 | 60   **K3465** | 200000 | 47  
**K3442** | 20000 | 50   **K3466** | 250000 | 55  
**K3443** | 25000 | 45   **K3467** | 300000 | 63  
**K3444** | 30000 | 43   **K3468** | 350000 | 70  
**K3445** | 35000 | 37   **K3469** | 400000 | 77

**YOUR PRICE .....55c**   **YOUR PRICE .....83c**   **YOUR PRICE .....\$1.10**

**K3420** | 7500 | 63   **K3421** | 10000 | 54   **K3422** | 15000 | 44

**YOUR PRICE .....61c**   **YOUR PRICE .....95c**

The resistors on this and adjoining pages have been selected as those best fitted for use in the repair of Radio and Public Address equipment. By proper selection and combination of the resistors listed, practically any original set resistance and wattage may be duplicated.

## Cement Coated Resistors

**10 Watt Size Highly Moisture Proof Will Stand 500% Overload**

A new process now makes cement coated resistors more highly moisture-proof, greater heat resistant and longer lived than higher priced vitreous enameled resistors. Will take up to 500% overload. Will not crack, peel or flake. Truly a superior resistor in every way—yet priced so low as to guarantee you a big profit.



Tolerance Average  
5% Plus or Minus

Stock Number	Ohms Resist.	Your Price	Stock Number	Ohms Resist.
D3500	10	17c Each	D3507	2500
D3501	250	15c Each, in Lots of 10	D3508	5000
D3502	300		D3509	7500
D3503	500		D3510	10000
D3504	750		D3511	15000
D3505	1000		D3512	20000
D3506	2000		D3513	25000

## Ohmite 10 Watt Resistors



Heavy vitreous enamel coating over wire-wound porcelain core protects winding from moisture and acids. Has tinned wire leads.

Size 1 1/2"x3/4" Dia.

Stock Num.	Ohms Resist.	Stock Num.	Ohms Resist.	Stock Num.	Ohms Resist.	Stock Num.	Ohms Resist.
E3000	1	E3014	150	E3026	900	E3038	7500
E3001	2	E3015	200	E3027	1000	E3039	10000
E3002	3	E3016	250	E3028	1250	E3040	12500
E3003	4	E3017	300	E3029	1500	E3041	15000
E3005	10	E3018	350	E3030	1750	E3042	17500
E3007	20	E3019	400	E3031	2000	E3043	20000
E3008	30	E3020	450	E3032	2250	E3044	22500
E3009	40	E3021	500	E3033	2500	E3045	25000
E3010	50	E3022	600	E3034	3000	E3046	30000
E3011	75	E3023	700	E3035	3500	E3047	35000
E3012	100	E3024	750	E3036	4000	E3048	40000
E3013	125	E3025	800	E3037	5000	E3049	50000

**1 to 10,000 Ohms YOUR PRICE, Each .....26c**   **12,500 to 50,000 Ohms YOUR PRICE, Each .....29c**

## Carbon Precision Resistors



Precision 1 watt carbon resistors each hermetically sealed in glass and moulded into a bakelite shell. Impervious to moisture and exceptionally stable. Suitable for use in radio servicing equipment, photo-electric circuits, television sets, etc. Supplied in two accuracies, ±2% and ±5%. Size, 1 1/2" long x 3/4" dia.

±5% Acc. Stock Num.	Resis. Ohms	±2% Acc. Stock Num.	Resis. Ohms	±5% Acc. Stock Num.	Resis. Ohms	±2% Acc. Stock Num.	Resis. Ohms
E3691	100	E3700	3666	9,950	E3712	E3679	150,000
E3693	400	E3701	E3667	10,000	E3713	E3680	200,000
E3694	500	E3702	E3669	15,000	E3714	E3681	250,000
E3695	1,000	E3703	E3670	20,000	E3715	E3682	300,000
E3696	2,500	E3704	E3671	25,000	E3716	E3683	400,000
E3697	4,000	E3705	E3672	30,000	E3717	E3684	450,000
E3698	4,500	E3706	E3673	40,000	E3718	E3685	490,000
E3699	4,950	E3707	E3674	50,000	E3719	E3686	500,000
E3660	5,000	E3708	E3675	75,000	E3720	E3687	600,000
E3663	7,450	E3709	E3676	85,000	E3721	E3688	750,000
E3664	8,500	E3710	E3677	90,000	E3722	E3689	900,000
E3665	8,950	E3711	E3678	100,000	E3723	E3690	1 Mgr.

**Accuracy ±2% YOUR PRICE, Each .....29c**   **Accuracy ±5% YOUR PRICE, Each .....18c**

## Flexible Resistors



Fiberglass Sleeving Completely Insulated

## 10 Watt Adjustable Resistors



High quality resistance alloy wire wound on porcelain core. Tinned lug type terminals. Cadmium plated steel adjustable terminal. Protected against corrosion.

Ohms Resist.	1 Watt	3 Watt	5 Watt	Stock Num.	Resist Ohms	Cur M A	Max. Volts
7.5	3102	3122	3142	E3467	10	1,000	10
10	3103	3123	3143	E3468	25	630	15
20	3105	3125	3145	E3476	50	447	22
30	3106	3126	3146	E3478	100	315	31
50	3107	3127	3147				
100	3108	3128	3148	E3469	250	200	50
200	3109	3129	3149	E3482	500	141	70
300	3110	3130	3150	E3470	750	115	86
400	3111	3131	3151	E3484	1,000	100	100
500	3112	3132	3152	E3486	1,500	79	119
750	3113	3133	3153				
1000	3114	3134	3154	E3488	2,500	61	154
1250	3115	3135	3155	E3490	4,000	47	190
2000	3116	3136	3156	E3491	5,000	40	200
3000	3117	3137	3157	E3492	7,500	32	245
4000	3118	3138	3158	E3493	10,000	24	245
5000	3119	3139	3159				

**Size 1 1/2"x3/4"   2 1/4"x1/2"   3 1/4"x1/2"**

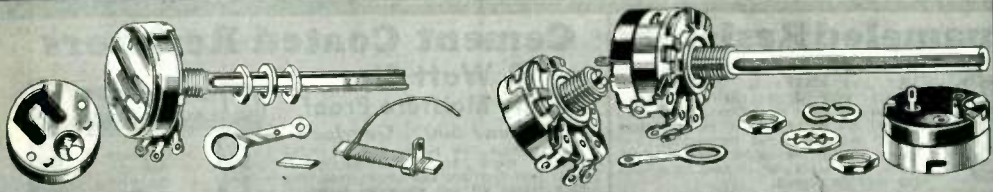
**PRICE EACH 12c 18c 20c**

**List Price, 60c. YOUR PRICE, Each .....35c**



# YAXLEY Universal Replacement and MIDGET Controls

STANDARD CONTROL



SERIES 'J' CONTROL MRJ

## STANDARD SINGLE CONTROLS MIDGET REPLACEMENT CONTROLS

Ruggedly constructed, quality controls. 3" long fluted aluminum shaft, easily cut or filed. Size  $\frac{1}{4}$ " deep by  $1\frac{1}{2}$ " dia. on carbon types and  $1\frac{1}{2}$ " on wire wound. \*H.R.—Are high resistance carbon types. W.W.—Are wire wound. \*Have adjustable minimum bias feature, HR types are supplied with external bias resistor (when used as cathode bias control). †Have slotted shaft for auto sets. ‡Have  $\frac{1}{2}$ " long shaft with additional  $\frac{1}{2}$ " long slotted extension shaft and coupling, for auto sets.

Ruggedly constructed midget replacement controls. Supplied in plug-in shaft type or with shaft attached. Control measures  $1\frac{1}{2}$ " in dia. by  $\frac{1}{2}$ " deep,  $\frac{1}{2}$ " bushing. Supplied less switch.

No Switch or Knob Included  
**Price** List Price, \$1.00.  
**All Types Below YOUR PRICE, EACH ..... 59¢**

Control Number	Type	Resistance Ohms	Curve	Control Number	Type	Resistance Ohms	Curve
Q	W.W.	2	IV	*H	W.W.	15M	II
R	W.W.	6	IV	*H7	W.W.	15M	II
S	W.W.	10	IV	*H12	H.R.	20M	I
T	W.W.	20	IV	*V	W.W.	20M	IV
U	W.W.	30	IV	*A20MP	H.R.	25M	II
V	W.W.	60	IV	*J	H.R.	25M	IV
W	W.W.	100	IV	Y25MP	H.R.	25M	IV
X	W.W.	200	IV	*K	H.R.	50M	II
A400P	W.W.	400	IV	K12	H.R.	50M	IV
A	W.W.	500	I	Y50MP	H.R.	50M	I
A550P	W.W.	550	IV	*Z	H.R.	75M	II
B	W.W.	1000	I	Z12	H.R.	75M	I
UC-500	W.W.	1000	II	L	H.R.	100M	I
A1MP	W.W.	1000	IV	*UC-510	H.R.	100M	I
*A2MP	W.W.	2000	IV	Y100MP	H.R.	100M	IV
*C12	W.W.	2000	II	UC-502	H.R.	150M	I
*D	W.W.	2000	I	Y200MP	H.R.	200M	IV
*D7	W.W.	3000	II	M	H.R.	250M	I
*D12	W.W.	3000	VII	*UC-509	H.R.	250M	II
*A3MP	W.W.	3000	I	UC-511†	H.R.	250M	I
E	W.W.	5000	II	Y250MP	H.R.	250M	IV
*E7	W.W.	5000	IV	N	H.R.	500M	I
*A5MP	W.W.	5000	VII	UC-512†	H.R.	500M	I
*E12	H.R.	5000	I	UC-513	H.R.	500M	II
Y5MP	H.R.	5000	IV	Y500MP	H.R.	500M	IV
*F	W.W.	7500	II	UC-503	H.R.	750M	I
*F7	W.W.	7500	VII	O	H.R.	1 Meg.	I
*F12	H.R.	7500	I	UC-514†	H.R.	1 Meg.	I
*G	W.W.	10M	II	Y1000MP	H.R.	1 Meg.	IV
*G7	W.W.	10M	VII	P	H.R.	2 Meg.	I
*A10MP	W.W.	10M	IV	UC-504	H.R.	3 Meg.	I
*G12	H.R.	10M	I	UC-505	H.R.	4 Meg.	I
UC-501	H.R.	10M	II	UC-506	H.R.	4 Meg.	I
Y10MP	H.R.	10M	IV	UC-507	H.R.	5 Meg.	II
				UC-508	H.R.	9 Meg.	I

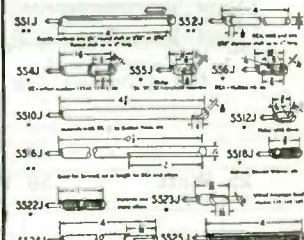
**Plug-In Shaft Type**  
 With these compact controls and Plug-In Shafts listed below at right any type special replacement control can be made. \*Have slip clutch-switch cannot be attached.  
 Price Less Shaft-Less Switch  
 List Price, \$1.00.  
**YOUR PRICE, Each..... 59¢**

Control Number	Ohms Resist.	Resis. Taper
UM114	5M	I
UM118	10M	I
UM119	10M	II
UM120	10M	IV
UM121	15M	I
UM122	15M	II
UM124	20M	I
UM128	25M	II
UM129	25M	IV
UM133	50M	II
UM134	50M	I
UM135	50M	IV
UM137	75M	I
UM138	75M	I
UM140	100M	I
UM141	100M	II
UM142	100M	IV
UM143*	100M	I
UM144	150M	I
UM147	250M	I
UM149	250M	IV
UM150*	250M	I
UM151	350M	I
UM154	500M	I
UM156	500M	IV
UM157*	500M	I
UM158	750M	I
UM160	1 Meg.	II
UM161	1 Meg.	I
UM162*	1 Meg.	I
UM163	2 Meg.	I
UM165	3 Meg.	I
UM180	100M	Spec. Spec.
UM181	2 Meg.	Spec. Spec.

**With Attached Shaft**  
 Milled aluminum shaft  $\frac{1}{4}$ " diameter x 3" long firmly attached.  
 Price With Shaft Less Switch  
 List Price, \$1.00.  
**YOUR PRICE, EACH..... 59¢**

Control Number	Ohms Resist.	Resis. Taper
MR14	5M	I
MR18	10M	II
MR19	10M	IV
MR21	15M	I
MR22	15M	II
MR24	20M	I
MR28	25M	II
MR29	25M	IV
MR33	50M	I
MR34	50M	II
MR35	50M	IV
MR36	75M	I
MR37	75M	II
MR39	100M	I
MR40	100M	II
MR41	100M	IV
MR42	150M	I
MR44	250M	I
MR45	250M	II
MR48	500M	I
MR50	500M	IV
MR51	750M	I
MR53	1 Meg.	I
MR55	2 Meg.	I
MR57	3 Meg.	I

### Plug-in Shafts



### Standard Dual Controls

Same construction as single controls. No switch included—use standard attachable switch. \*Are wire wound types, remaining are carbon type. ( ) indicates taper curve.  
 List Price, \$2.50.  
**YOUR PRICE, EACH..... \$1.47**

Cont. No.	Front Ohms	Rear Ohms	Use
*CE	2M (1)	5M (1)	Ant. & Bias
*GE	10M (7)	5M (4)	Ant. & Bias
*GG	10M (7)	10M (4)	Ant. & Bias
CK	10M (1)	50M (4)	Ant. & Bias
LL	100M (1)	100M (1)	Aud. Shunt
LM	100M (1)	250M (1)	Aud. & Tone
MN	250M (1)	250M (1)	Aud. Shunt
NN	250M (1)	500M (1)	Aud. & Tone
NN	500M (1)	500M (1)	Aud. Shunt

### Standard Switch



Fit all Yaxley Standard size Controls. Easily attached. Underwriters' approved. Depth  $\frac{1}{4}$ ".  
 A12720—Code 6-9-S.P.S.T.  
**YOUR PRICE, EACH..... 29¢**  
 D12721—Code 6T-S.P.S.T. With dummy lug.  
 A12722—Code 7-D.P.S.T.  
 A12723—Code 8-S.P.D.T.  
 A12724—Code 13-3 Pole  
 A12725—Code 14-4 Pole  
 \*Shorting type for battery sets. **35¢ EACH**

### Standard Tapped Controls

Standard size volume controls with tap for tone compensation. Same physical specifications as above single controls. All are taper curve V. No switch included—use standard attachable switch. †Also suitable for phonoclip pickup volume control.

List Price, \$1.50.  
**YOUR PRICE, EACH..... 88¢**

Control Number	Ohms Resist.	Tapped at Ohms
TRP601	40M	8000
TRP622	44M	7000
		14000
TRP617	60M	12000
TRP602	60M	4000
TRP623	250M	50000
TRP603	250M†	110000
TRP604	350M	20000
TRP605	350M†	70000
TRP614	350M	7000
TRP616	500M	60000
TRP606	500M	100000
TRP607	500M	225000
TRP619	500M	10000
		20000
TRP608	1 Meg.	20000
TRP609	1 Meg.†	450000
TRP610	1 Meg.	30000
TRP612	2 Meg.	15000
TRP618	2 Meg.	250000
TRP613	2 Meg.	400000
TRP620	2 Meg.	900000
TRP624	2½ Meg.†	250000
		500000
TRP615	3 Meg.	900000

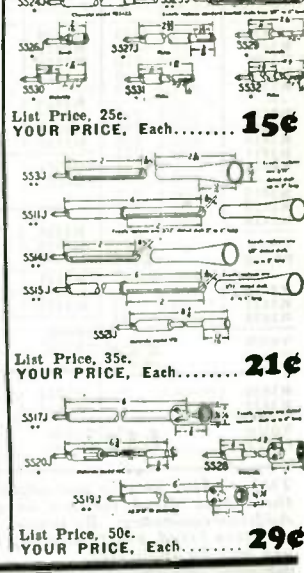
### Midget Tapped Controls

**Plug-In Shaft Type**  
 For Tone Compensation Circuits  
 Price Less Shaft-Less Switch  
 List Price, \$1.25.  
**YOUR PRICE, Each..... 73¢**

Control Num.	Ohms Resist.	Tapped at Ohms	Res. Taper
TM220	250M	50M	V
TM221	250M	110M	V
TM222	250M	110M	V
TM223*	350M	70M	V
TM225	350M	70M	V
TM226	500M	5M	VI
TM228	500M	15M	V
TM230	500M	150M	V
TM231	500M	225M	V
TM232*	500M	225M	V
TM240	1 Meg.	200M	V
TM241*	1 Meg.	200M	V
TM242*	1 Meg.	450M	V
TM243	1 Meg.	450M	V
TM245	2 Meg.	5M	VI
TM246	2 Meg.	15M	V
TM247	2 Meg.	60M	V
TM248	2 Meg.	250M	V
TM249	2 Meg.	600M	V
TM251	2 Meg.	900M	V
TM252*	2 Meg.	900M	V
TM253	2 Meg.	900M	V
TM257	3 Meg.	900M	V

### Midget Switches

Fit all Yaxley Midget Controls. Snaps into place. Underwriters' approved. \*For battery sets.  
 D12715—M26—SPST  
**YOUR PRICE, Each..... 29¢**  
 D12719—M26T—SPST  
 With dummy lug.  
 D12716—M27—DPST  
 D12717—M28—SPDT  
 D12726—M23—4 Pole\*  
**YOUR PRICE, Each..... 35¢**





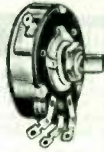
# Exact Duplicate Replacement Controls MALLORY

## Special Replacement Controls

See Your Mallory-Yaxley Radio Service Encyclopedia for Individual Set Listing or Specify Receiver and Model and we Will Send Correct Replacement Control.

### Single "SRP" Controls

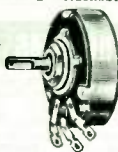
Controls are exact duplications of original. Nuts and washers are included but switch and other accessories are not supplied. Use standard attachable switch listed on opposite page.



Controls less switches as listed below (except SRP 273 and SRP 280). List Price, \$1.50.  
YOUR PRICE, **88¢**

\*Controls SRP 273, SRP 280 include switches. List, \$2.00.  
YOUR PRICE **\$1.18**

†Have right hand switch action. H.R. are high resistance carbon type controls. W.W. are wirewound type.



SRP282

SRP160

Control Number	Ohms Reals.	Type Element	Used As	Control Number	Ohms Reals.	Type Element	Used As
SRP133	2M	H. R.	Vol.	SRP264	650	W. W.	Vol.
SRP134	4,500	W. W.	Vol., Sen.	SRP265	200	W. W.	Hum.
SRP135	450	W. W.	Vol.	SRP266	800	W. W.	Hum.
SRP139	550	W. W.	Vol.	SRP267	8M	W. W.	Tone Beam
SRP141	1,200	W. W.	Vol.	SRP268	15	W. W.	Vol.
SRP142	2,900	W. W.	Vol.	SRP269	10M	H. R.	Vol.
SRP144	2M	H. R.	Vol.	SRP271	150	W. W.	Vol.
SRP145	2M	H. R.	Vol.	SRP272	300	W. W.	Vol.
SRP150	50M	H. R.	Vol.	SRP273*	500M	H. R.	Vol.
SRP152	60	W. W.	Phono., Vol.	SRP274	10M	W. W.	Vol.
SRP153	13M	W. W.	Vol.	SRP275	500M	H. R.	Vol.
SRP154	50M	H. R.	Vol.	SRP276	3M	H. R.	Regen.
SRP160	3,200	H. R.	Equal	SRP277	2M	H. R.	Vol.
SRP170	75M	H. R.	Vol.	SRP278	500M	H. R.	Vol.
SRP179	125M	H. R.	Vol.	SRP279	50M	H. R.	Vol.
SRP185	1,500	H. R.	Vol.	SRP280*	500M	H. R.	Vol.
SRP188	32M	H. R.	Vol.	SRP281	500M	H. R.	Vol.
SRP213	250M	H. R.	Vol.	SRP282	350M	H. R.	Vol.
SRP216	600M	H. R.	Vol.	SRP283	2,500	W. W.	Vol.
SRP223	1M	W. W.	Vol.	SRP284	100M	H. R.	Vol. Tone
SRP245	32M	H. R.	Vol.	SRP285	600M	H. R.	Vol. Tone
SRP249	20M	W. W.	Vol.	SRP286	250M	H. R.	Vol. Tone
SRP251	250M	H. R.	Vol.	SRP287	5M	H. R.	Vol. Tone
SRP252	500M	H. R.	Vol.	SRP288	100M	H. R.	Vol. Tone
SRP253	400	W. W.	Hum.	SRP289	100M	H. R.	Vol.
SRP254	3,500	W. W.	Vol.	SRP292	250M	H. R.	Vol.
SRP255	15M	W. W.	Vol.	<b>Volume Control Strips</b>			
SRP257	3M	W. W.	Vol.	SRP239	450	W. W.	Vol.
SRP259	50M	H. R.	Phono.	SRP241	6M	W. W.	Vol.
SRP261	100M	H. R.	Vol.	List, 50c. <b>29c</b>			
SRP262	1,500	W. W.	Vol.	YOUR PRICE			
SRP263	32M	H. R.	Vol. Tone				

### Special Dual Controls

Controls exactly duplicate original in electrical characteristics. Improved design results in better performance and longer life. Supplied less switch. Where original control has switch, use the standard type switch listed on opposite page. \*DRP311 has 250 M section tapped at 160M.

Price All Types Below, Less Switch

List Price, \$2.50. **\$1.47**  
YOUR PRICE, EACH  
H.R.—Carbon Type; W.W.—Wirewound Type.

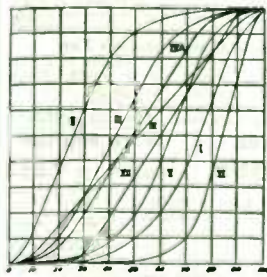


DRP302

Control Number	Ohms Resistance Front	Rear	Type Element	Control Number	Ohms Resistance Front	Rear	Type Element
DRP114	250	5M	W. W.	DRP302	100M	250M	H. R.
DRP115	3,500	3,800	H. R.	DRP303	2,500	100M	H. R.
DRP116	25,700	10,000	W. W.	DRP304	1 Meg.	3 Meg.	H. R.
DRP119	3M	10M	W. W.	DRP307	3M	12M	W. W. & H. R.
DRP122	645	10M	W. W.	DRP308	50M	50M	H. R.
DRP169	7,500	10M	W. W.	DRP310	25M	25M	H. R.
DRP221	10M	100M	H. R.	DRP311	150M	250M*	H. R.
DRP242	10M	600M	H. R.	DRP312	75M	500M	H. R.
DRP244	25M	65M	H. R.	DRP313	1M	500M	H. R.
DRP245	1 Meg.	3 Meg.	H. R.	DRP314	500M	2,500	H. R.
DRP246	32M	50M	H. R.	DRP317	500M	1M	H. R.
DRP301	5M	2,500	H. R. & W. W.				

### Resistance Taper Curve Chart

Taper I—Used in antenna, RF and Audio Grid Shunt circuits where very little current flows. Only center and left hand terminals are used.



Taper II—Used in series cathode, screen and plate circuits where considerable current flows. Center and right hand terminals used.

Taper III—Is a combination taper of I and II where control must perform use of both above tapers. As in antenna-cathode circuits.

Taper IV & IVA—Indicate linear controls. Used where taper is not necessary as in voltage divider circuits—voltage being directly proportional to rotation of shaft.

Taper V—Control with tone compensation tap. Used in audio shunt circuits.

Taper VI—Indicates control with tone compensation tap at very low resistance. Used in audio shunt circuits.

Taper VII—Used in wirewound controls—same use as Taper III.

## Mallory Encyclopedia of Radio Service

New Fourth Edition

The first three editions proved that this Book meets an overwhelming serviceman's need. And now this new edition with 416 Pages of Real, Time-Saving Information fills that need even more fully at a greatly reduced price. Printed on Quality Paper and Bound in Flexible Heavy Paper Covers. Size, 10 1/4" x 8 1/4".

E12445—List, \$1.50.

**95c**

The most complete radio service encyclopedia ever published. Gives finger tip reference to information never before published. Over 30,000 radio receiver models are completely analyzed giving all the information necessary for complete, quick radio service work. Provides parts replacement information instantly and accurately covering volume controls, condensers, vibrators, tube complement and I.F. peak frequency of each model.

All formulas, schematics and diagrams and other miscellaneous data of not much use to the average serviceman were omitted to greatly reduce the cost. You won't have to waste time "digging" through dozens of books for service replacement data. This Fourth edition is complete in itself and includes all the valuable service data of the first three editions. This book supplements—does not replace—manuals like Riders, and so a Riders' Trouble Shooters Manual page index is also given in the MYE for quick reference thereto.



### Midget Wire Wound Potentiometers Dissipates 2 Watts

Ideal for test instruments or midget ohmmeters. Diameter less than a half dollar, only 1 1/2". Extends 1/2" back of panel. 3/8" mounting hole, 3/8" threaded shank, 1/2" shaft, 3/8" beyond shank. Linear resistance. Contact arm and center terminal are grounded to frame. Knob not included.



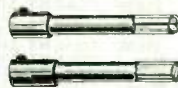
Stock Number	Ohms	Code	Max. Mils.	List Price	Your Price
R12873	15	C15P	360	\$1.00	<b>59c</b>
R12875	50	C50P	200	1.00	
R12876	200	C200P	100	1.00	
R12877	400	C400P	70	1.00	
R12878	1,000	C1MP	45	.25	
R12880	3,000	C3MP	25	.125	
R12881	5,000	C5MP	20	.150	
R12883	10,000	C10MP	14	.150	
R12884	15,000	C15MP	11	.150	88c

### Volume Control Accessories

#### Aluminum Extension Shafts

For use where longer shafts are required. Aluminum shaft easily cut to proper length. 4" long. For 1/4" volume control shafts.

A11285—Code RS-242—Dia. 1/4". 1/2" flat. List Price, 30c.  
A11286—Code RS-243—Dia. 1/4". 3/4" flat. YOUR PRICE, **18c**  
A11287—Code RS-244—Dia. 1/4". 1" flat. EACH



#### Auto Radio Control Shafts

Adapts universal volume controls for auto radio use. One end of extension shaft fits slotted or tongue type remote control cable end fittings and other end fastens securely on volume control shaft. Enclosed in tight fitting tube. 2" long.

A11288—Code RS-245—Slotted type. Dia. 1/4". 1/2" slot.  
A11289—Code RS-246—Tongue type for slotted end fitting. Tongue: 1/4" wide, 3/8" thick. List Price, 35c.  
YOUR PRICE, EACH **21c**

#### Extension Bushing

Permits mounting any standard Yaxley Control 1/2" back from the panel. Slips over shaft, a d screw on volume control bushing. Other end threaded for fastening to panel with standard control nut.

A11284—Code EB-247.

List, 20c. **12c**  
YOUR PRICE

#### Volume Control Wrench



E12729—**12c**  
YOUR PRICE

Threaded hole in wrench repairs marred or damaged threads on volume control. Tightens nuts "in close quarters." Fits control bushings and nuts. One end fits 3/8" hexagonal nut; other end for 1/4" size.

#### Hex Shoulder Nut

A11246—Code 11260-12. For 1/2" panels. List, 15c. **12c**  
YOUR PRICE

A11247—Code 11260-2. For 1/4" panels. List, 20c. **15c**  
YOUR PRICE

#### Shaft Bushing and Nut

Permits mounting control back of panel. Holds shaft rigidly. For 1/4" shaft and up to 1/2" panels. Mounts in 1/4" hole.

A11283—Code UB-241 **5c**  
YOUR PRICE

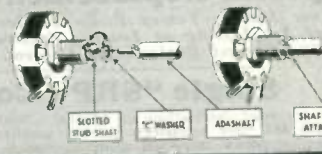
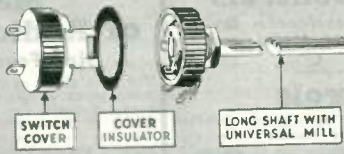
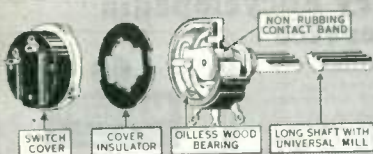
#### Adjustable Mounting Brackets

A11248—RB 248 1 1/4" centers.  
A11249—RB 249 2 1/4" centers. List, 20c. **12c**  
YOUR PRICE





# Centralab STANDARD REPLACEMENT VOLUME CONTROLS



## STANDARD RADIOHMS

## MIDGET RADIOHMS

## ADASHAFT MIDGET RADIOHMS

Popular Carbon Composition replacement controls used in the majority of radio receivers. Has many exclusive features contributing to small size, quiet operation and long life. 3/4" Long, 1/4" diameter milled aluminum shaft is easily cut or filed to proper flat for push-on knobs. Controls are supplied with or without switch, however, attachable switch listed below can be attached at any time. Control size: 1 1/4" diameter, 3/4" deep. Switch type is 1/2" deep and has 8 P.S.T. switch rated 2 amps at 125 volts. Potentiometer type 13 lug.

NOTE: New CRL stock numbers are given, replacing the old numbers. We can fill your order whether you give the old or new numbers.

**Less Switch** List, \$1.00 **YOUR PRICE 59¢**  
**With Switch** List, \$1.50 **YOUR PRICE 88¢**

Resistance Ohms	Cur.	Stock Number Less Switch	With Switch	Usual Circuit Location
500	1	A-100	B-100	Divider
1000	1	A-101	B-101	Divider
2000	1	A-102	B-102	Divider
3000	1	A-103	B-103	Divider
4000	1	A-104	B-104	Divider
5000	1	AF-105	BF-105	Divider
5000	6	A-106	B-106	Antenna Shunt
7500	1	AF-107	BF-107	Ant. & Bias
10000	1	AF-108	BF-108	Ant. & Bias
10000	3	AF-109	BF-109	Ant. & Bias
10000	4	AF-110	BF-110	Ant. & Bias
10000	6	A-111	B-111	Antenna Shunt
15000	3	AF-112	BF-112	Ant. & Bias
15000	4	AF-113	BF-113	Ant. & Bias
20000	3	AF-114	BF-114	Ant. & Bias
25000	1	AF-115	BF-115	Ant. & Bias
25000	4	AF-116	BF-116	Ant. & Bias
25000	3	AF-117	BF-117	Antenna Shunt
50000	1	A-118	B-118	Divider
50000	6	A-119	B-119	Divider
75000	1	A-120	B-120	Divider
75000	6	A-121	B-121	Ant. & Bias
100000	1	A-122	B-122	Ant. & Bias
100000	6	A-123	B-123	Ant. & Bias
150000	1	A-124	B-124	Ant. & Bias
200000	6	A-125	B-125	Ant. & Bias
200000	4	AF-126	BF-126	Ant. & Bias
250000	6	A-127	B-127	Ant. & Bias
500000	6	A-128	B-128	Ant. & Bias
500000	1	A-129	B-129	Ant. & Bias
750000	6	A-130	B-130	Ant. & Bias
1 Meg.	4	A-131	B-131	Ant. & Bias
2 Meg.	6	A-132	B-132	Ant. & Bias
3 Meg.	6	A-133	B-133	Ant. & Bias
3 Meg.	6	A-134	B-134	Ant. & Bias

### Tapped Standard Radiohms

**Less Switch** List, \$1.50 **YOUR PRICE 88¢**  
**With Switch** List, \$2.00 **YOUR PRICE \$1.18**

Resistance Ohms Tapped	Less Switch	With Switch	Circuit Location
250000	75000	AT-135	BT-135
500000	150000	AT-136	BT-136
1 Meg.	300000	AT-137	BT-137
2 Meg.	600000	AT-138	BT-138

### Standard Switch Cover Plate



Any plain Standard Radiohm listed above may be converted to switch type control. Capacity 3 amps, at 125V., 1 amp. at 250V. Depth 3/4". Underwriters Approved.  
**A12735—K10-S.P.S.T.**  
**YOUR PRICE 29¢**  
**D12738—K17-S.P.S.T.** With dummy lug.  
**A12737—K12-D.P.S.T.**  
**A12736—K11-S.P.D.T.**  
**A12739—K15-Four Pole** for battery sets.  
**A12741—K16-S.P.D.T.** Operates at clockwise position of control  
**YOUR PRICE, EACH 35¢**

An efficient tiny control. For use in all radios. Noiseless. 1/4" long 1/4" diameter milled aluminum shaft easily cut or filed flat. Controls are potentiometer type (3 lugs). Terminals insulated from shaft. Current dissipation 1 watt. Body diam. 1 1/4". Depth 3/4". Control with S.P.S.T. switch attached—Depth, 1 1/4". Switch rating—3 amp. at 125 volts or 10 amp. at 12 v.

**Less Switch** List, \$1.00 **YOUR PRICE 59¢**  
**With Switch** List, \$1.50 **YOUR PRICE 88¢**

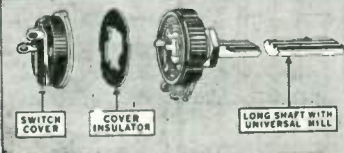
Resistance Ohms	Tap. Cur.	Stock Number Less Switch	With Switch	Usual Circuit Location
5M	1	NF-106	PF-106	Divider
10M	1	NF-107	PF-107	Ant. & Bias
10M	3	NF-108	PF-108	Ant. & Bias
10M	4	NF-109	PF-109	Ant. & Bias
10M	6	NF-110	PF-110	Ant. & Bias
15M	3	NF-111	PF-111	Ant. & Bias
20M	3	NF-112	PF-112	Ant. & Bias
25M	1	NF-113	PF-113	Ant. & Bias
25M	3	NF-114	PF-114	Ant. & Bias
50M	1	N-115	P-115	Ant. & Bias
100M	1	N-116	P-116	Ant. & Bias
100M	6	N-117	P-117	Ant. & Bias
250M	6	N-118	P-118	Ant. & Bias
500M	1	N-119	P-119	Ant. & Bias
500M	6	N-120	P-120	Ant. & Bias
1 Meg.	6	N-121	P-121	Ant. & Bias

### Tapped Midget Radiohms

**Less Switch** List, \$1.50 **YOUR PRICE 88¢**  
**With Switch** List, \$2.00 **YOUR PRICE \$1.18**

Resistance Ohms	Tapped	Less Switch	With Switch	Circuit Location
250M	75M	NT-119	PT-119	Incorporates
250M	125M	NT-120	PT-120	taper curve 10
350M	75M	NT-121	PT-121	for use in audio
500M	150M	NT-122	PT-122	grid circuits hav-
500M	250M	NT-123	PT-123	ing automatic
500M	300M	NT-124	PT-124	tone compensa-
1 Meg.	300M	NT-125	PT-125	tion.
2 Meg.	200M	NT-126	PT-126	
2 Meg.	400M	NT-127	PT-127	
2 Meg.	600M	NT-128	PT-128	
2 Meg.	1 Meg.	NT-129	PT-129	
2 Meg.	1 Meg.	NT-130	PT-130	

## WIRE WOUND RADIOHMS



All controls are linear and supplied less switch. Body dia. 1 1/4". 3/4" deep. Rated 3 watts. 3/4" Long, 1/4" dia. milled aluminum shaft easily cut or filed. Use switch listed at left.  
**YOUR PRICE, EACH 59¢**

Resistance Ohms	Taper	Stock Num.	Mfg. Code	Max. M.A. Rat.	Max. Volts at Rated M. A.
20	1	A12920	V110	388	7.7
50	1	A12921	V116	245	12.3
100	1	A12922	V121	173	17.4
200	1	A12923	V123	122	24.6
400	1	A12924	V126	87	34.6
500	1	A12925	V127	78	38.4
1000	1	A12926	VF129	55	56
3000	1	A12927	VF133	32	94
5000	1	A12928	VF135	25	120
7500	1	A12929	VF136	21	143
10000	1	A12930	VF137	17	176

New midget controls for use with plug in Adashafts listed below in replacing special controls. Guide pin design eliminates shaft wobble. Washer firmly clamps shaft in place. Size and construction same as midget controls listed at left. Use switch below.  
**List Price, \$1.00.**  
**YOUR PRICE, Each 59¢**

Resistance Ohms	Stock Num.	Mfg. Code	Usual Circuit Location
10M	3	D12935	NF-128
25M	4	D12934	NF-146
50M	6	D12936	NF-127
250M	6	D12937	N-128
500M	6	D12938	N-129
1 Meg.	6	D12939	N-130
2 Meg.	6	D12940	N-131
3 Meg.	6	D12945	N-145

### Tapped Adashaft Controls

**List Price, \$1.50.**  
**YOUR PRICE, Each 88¢**

Resistance Ohms	Stock Num.	Mfg. Code	Usual Circuit Location
250M	10	D12941	NT-132
500M	10	D12942	NT-133
1 Meg.	10	D12943	NT-134
2 Meg.	10	D12944	NT-135

### Plug-In Adashafts



**A12960—A—Code K185 4" Long.**  
**A12962—A—Code K165 10" Long, 1/32" Flat**  
**D12968—D—Code K176 1 1/4" Long, 1/4" Diameter**  
**C12969—D—Code K177 4" Long, 1/4" Diameter**  
**Brass Split-Knurled Shaft. Easily cut.**  
**List Price, 25¢.**  
**YOUR PRICE, Each 15¢**

**A12963—B—Code K166 3" Long**  
**A12964—B—Code K167 6" Long**  
**List Price, 35¢.**  
**YOUR PRICE, Each 21¢**

### Midget Switch Cover Plate

Any plain, tapped or ada shaft midget Radiohm may be converted to switch type by using this new switch cover plate.

**A12730—Code K-155 S.P.S.T.**  
**YOUR PRICE 29¢**  
**A12733—Code K-158 Four Pole shorting.**  
**A12731—Code K-156 S.P.D.T.**  
**A12732—Code K-157 D.P.S.T.**  
**YOUR PRICE, EACH 35¢**

## MIDGET AUTO RADIOHMS



### With Tone Compensation Tap

3" Long, 1/4" dia. shaft fits 3/4" tongue or slotted type cable fittings. Easily cut to length. Guide funnel holds shaft rigidly. Plain units have slip clutch shaft and cannot be used with switch. Control same size as Midget Radiohm. \*D.P.S.T. switch.

**Less Switch** List, \$1.50 **YOUR PRICE 88¢**  
**\*With Switch** List, \$2.00 **YOUR PRICE \$1.18**

Resistance Ohms Tapped	Less Switch	With Switch	Curve 10 for
250M	75M	NA-123	PA-123
500M	150M	NA-124	PA-124
1 Meg.	300M	NA-125	PA-125
2 Meg.	600M	NA-126	PA-126



# EXACT DUPLICATE REPLACEMENT VOLUME CONTROLS Centralab

## Controls Exactly Fit — No Changes are Necessary

See Your Centralab Volume Control Guide or Listing Below for Proper Replacement or Specify Receiver Name, Year and Model and We Will Ship Correct Control.

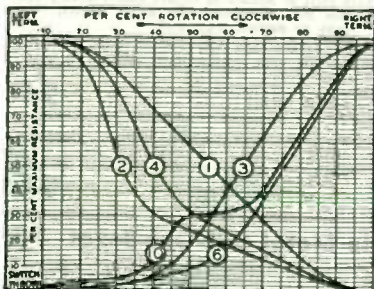
Radolek has in stock practically every Centralab Exact Duplicate Replacement Control for immediate delivery. Controls shown below are the most popular types and help you select the correct replacement by manufacturers' part number. If the control you need is not shown below, give set name, model number and other available information and we will make immediate shipment. Centralab controls have a uni-

versal reputation for superior performance and quality construction. Controls have improved characteristics over originals. Shafts exactly duplicate original and require no changes for installation. Switch type control will be supplied where original has switch. When ordering controls from Centralab Volume Control Guide, deduct 40% & 2% from list price to obtain your net price.

Radio Name and Part Number	Centralab Replace't	Your Price	Radio Name and Part Number	Centralab Replace't	Your Price	Radio Name and Part Number	Centralab Replace't	Your Price	Radio Name and Part Number	Centralab Replace't	Your Price
<b>AIRLINE</b> —See W	ella-Gardner		<b>PHILCO</b> —3076	24-016	.88	<b>PHILCO</b> —Cont.			<b>STROMBERG CARLSON</b>		
<b>ATWATER</b> —KENT-9510	72-112	\$0.88	4093	72-177	.88	33-5268	S-113	\$1.18	Models 846, 848	[72-205R* 72-206F*]	.88
13020, 13320, 13550	72-112	.88	4094, 5039	74-579	1.47	33-5276	S-122	\$1.13			
15160	G-122	1.76	7439	74-559	1.47	33-5300	S-112	1.18			
16270, 16630	G-121	1.76	2021906	2021901	1.18	33-5287, 33-5325	R-115	0.88			
17270	26-426	1.47	33-5013 (2 meg)	2221906	1.18	33-5417	S-113	1.18			
17736, 21816	G-121	1.76	33-5013 (350M)	2221903	1.18						
<b>BOSCH</b> —99836	74-501	1.47	33-5017, 33-5154	1010980	.88	<b>RCA-VICTOR</b>			<b>WELLS-GARNER</b> —917	74-509	1.47
Model 28, 29	72-207	.88	33-5022, 33-5023	2221906	1.18	3092, 3094	1210900	.88	36X200	9011005	1.18
<b>CLARION</b> —P1813	55-004	1.18	33-5022 (360M)	2221900	1.18	4790, 72291-7	2211903	1.18	36X204	5011004	1.76
<b>CROSLEY</b> —7022	72-019	.88				5018	S-103	1.18	36X206, 36X210	5011005	1.76
7564	61-037	.88	33-5024	2221903	1.18	6612, 6695	D-256	.88	36X217	S-106	1.18
23618A	2111905	1.18	33-5055	2021909	1.18	11205, 12861	1210913	.88	36X221	S-107	1.18
<b>DELCO</b> —1210545	R-108	.88	33-5066	2221901	1.18	12365	R-100	.88			
1200040, 1202073	74-517	1.47	33-5067, 33-5088	2221904	1.18	13144	1210912	.88	<b>WESTINGHOUSE</b> —See RCA-Victor		
1211774	R-109	1.18	33-5108, 33-5102	2221900	1.18	10450	74-600	1.47			
<b>GEN. ELECT.</b> —A18	See RCA		33-5095	1010989	.88	62895	74-524	1.47	<b>ZENITH</b> —63-226	75-614	\$1.76
RV-028, 029, 030	R-109	.88	33-5105	2221905	1.18	62940	74-526	1.47	62-042	62-042	1.18
36X200	9011005	1.18	33-5106-2	2021910	1.18	72291-46, 72558-44	1210912	.88	2211029	2211029	1.18
Series E61 to 106	S-101	1.18	33-5108, 33-5110	2221906	1.18	72558-42, 72558-47	1210913	.88	S-118	R-111	.88
G-53, G-56, G-64	S-114	1.18	33-5115, 33-5142-1	2015901	\$1.18	31682, 33398	R-132	\$0.88	R-124	R-124	.88
G-65, G-75, G-655	S-114	1.18	33-5116, 33-5120	2221909	1.18	32367	S-132	1.18	R-125	R-125	.88
<b>GREBE</b> —SK4C	74-515	1.47	33-5121	D-238	.88	32668	U-108	1.76	R-131	R-131	.88
<b>GRUNOW</b> —27687	2211905	\$1.18	33-5139, 33-5148	D-257	.88	32355	U-109	1.76	R-133	R-133	.88
29404	2211901	1.18				M-107, 117, 118, 119, 125, 211, 214, 225	2211903	1.18	S-115	S-115	1.18
33300	2211906	1.18	33-5152	E-238	1.18				S-116	S-116	1.18
33775	2015900	1.18	33-5153, 33-5155	2221906	1.18	<b>SPARTON</b> —5663	75-548	1.76	S-117	S-117	1.18
<b>MAJESTIC</b> —105	72-180	.88	33-5158, 33-5166	R-103	.88	Models 69, 79A			S-127	S-127	1.18
393 (Equal.)	78-007	.88	33-5202	D-257	.88	101, 109, 110A.C.	1010963	.88	S-128	S-128	1.18
559	70-063	.88	33-5216	R-110	.88	301, 591, 693, 930, 931			S-129	S-129	1.18
3169	74-523	1.47				Models 89A, 103, 564, 571, 574, 600, 610, 620, 737, 740	1010964	.88	S-130	S-130	1.18
4822, 8304	55-010	1.18	33-5534, 38-5058	E-236	1.18				S-131	S-131	1.18
5316	55-014	1.18	38-5534, 38-5606	F-236	1.18	<b>STEW. WARN.</b>	30-010	.88	S-132	S-132	1.18
			38-6605, 38-6786	1210916	.88	66033, 66389			S-133	S-133	1.18

## Taper Curve Chart

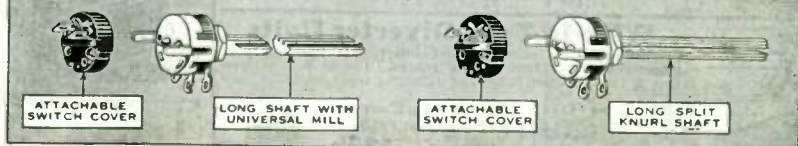
Curve 1. Uniform resistance change at either end of control. Used in any circuit where negligible amount of current flows through control as in voltage divider circuits.  
Curve 2. Current type control used as series rheostat in cathode, plate or screen grid circuits where current flows through control.  
Curve 3. Combination Antenna-Cathode Bias type volume control. Controls bias of 1 or 2 tubes and also antenna input.  
Curve 4. Same as curve 3 control but for higher current cathode circuits (controls cathode of 2 or more tubes and antenna input).  
Curve 5. Proper control for use in antenna (low resistance types) and grid or tone control circuits (high resistance types) where little or no current flows through control.  
Curve 10. Curve of tapped controls used in audio grid circuits having tone compensation.



## Centralab Control Guide

Handy pocket size Volume Control Replacement Guide. 216 Pages covering every radio and model giving manufacturer's part number. Also includes data on Power Rheostats, Attenuators, Resistors, etc.  
**E12458**  
**YOUR PRICE.....10c**  
FREE with order for 5 or more Centralab Controls.

## STANDARD ELF RADIOHM SPLIT KNURL ELF RADIOHM



This new control opens a new field of replacement by allowing installations in extremely small spaces as found in present day battery portables. "Personal" receivers and auto sets. Similar to Standard Midget Radiohms but much smaller in diameter. Features Centralab wall type resistor. Bakelite case  $\frac{1}{4}$ " diameter,  $\frac{1}{4}$ " deep (less switch)  $\frac{1}{4}$ " deep (with switch). Fully shielded with long skirt metal cover.  
List Price, \$1.00.  
**YOUR PRICE.....59c**

Stock Number	Usual Circuit Location	Resistance	Curve
		Ohms	
LF-100	Ant., C-bias	10M	4
LF-101	Ant., C-bias	25M	3
LF-102	Ant., or Tone	50M	6
L-103	A. F.	100M	6
L-104	L-204	250M	6
L-105	L-205	500M	6
L-106	L-206	1 Meg.	6
L-107	L-207	2 Megs.	6
L-108	L-208	3 Megs.	6

and metal back plate. Available with two shaft designs—one the universal fluted mill, the other a universal split knurl. Both shafts  $\frac{1}{4}$ " diameter,  $\frac{1}{4}$ " long. Shafts easily cut to desired length. For switch type add E12 Radiohm switch covers K-150 or K-151. With Tap. List Price, \$1.50.  
**YOUR PRICE.....88c**

Stock Number		Resistance	
Fluted Mill Shaft	Split Knurl Shaft	Maximum Resistance	Tap Resistance
LT-150	LT-250	250M	75M
LT-151	LT-251	500M	150M
LT-152	LT-252	1 Meg.	200M
LT-153	LT-253	1 Meg.	300M
LT-154	LT-254	2 Megs.	200M
LT-155	LT-255	2 Megs.	400M
LT-156	LT-256	2 Megs.	600M

## Attachable Switch Covers

Stock Number	Circuit	PRICE
K-150	Single Pole, Single Throw	29c
K-151	Single Pole, Single Throw with Dummy Lug	35c



## Knurled Shaft Midget Radiohms

$\frac{1}{4}$ " diameter brass knurled slotted shafts. Electrical and physical specifications are exactly similar to other midget controls listed on opposite page. Price less switch. Uses attachable switch listed on opposite page.

Resist. Ohms	Cur.	Stock No.	Mfg. Code	Shaft Lgth.	List Price	Your Price
250M	6	E12950	NK-139	4"	\$1.00	59c
500M	6	E12951	NK-140	4"	1.00	Each
1 Meg.	6	E12952	NK-141	4"	1.00	
2 Meg.	6	E12953	NK-142	3 3/4"	1.00	

## Tapped Controls

Resist. Ohms	Cur.	Stock No.	Mfg. Code	Shaft Lgth.	List Price	Your Price
600M	10	E12954	NK-143	3 3/4"	1.50	88c
1 Meg.	10	E12955	NK-144	3 3/4"	1.50	Each





# Radio Noise Filters



## Continental Filternoys

### For Elimination of Electrical Radio Interference

Each unit is a complete filter, containing the correct capacitors or combination of inductances and capacitors, to effectively reduce or eliminate man-made static. For most effective noise elimination correct interference at source.

#### Suppression Type Units

##### For Use At Interference

Combination capacitive-inductive type with capacitors shunted across receptacle. Prevents interference from entering power lines.

#### Rejection Type Units

##### For Use at the Radio Set

Combination capacitive-inductive type with capacitors shunted across prong terminals. Prevents noise from entering the receiver power supply.

### For Grounded Lines



CB411—Suppression Unit. Type F01H.  
CB416—Rejection Unit. Type R01H.  
List Price, 90c.  
YOUR PRICE, Either Type.....

**53¢**

Plug-in type. Will work very efficiently in eliminating moderate interference on power supply lines having one side grounded. For 110 volts AC or DC lines with loads up to 300 watts. Metal case, 1 1/2 x 3 1/2".

### For Ungrounded Lines



CB412—Suppression Unit. Type F01DH.  
CB413—Rejection Unit. Type R01DH.  
List Price, \$1.20.  
YOUR PRICE, Either Type.....

**71¢**

Plug-in type with lead for connection to suitable ground or frame of device causing interference. Efficiently blocks moderate interference on ungrounded power lines of 110 volts AC or DC. Type F01DH rated 330 watts; type R01DH, 550 watts. Metal case, 1 1/2 x 3 1/2".

### For Severe Interference Noises



CB408—Rejection Unit. Type F050SDH. For 110 volt AC or DC lines, up to 250 watts. List, \$3.60.  
CB406—Suppression Unit. Type F050SDH. For 110-220 volt AC or DC lines up to 550 watts. List, \$4.80.  
YOUR PRICE.....

**\$282**

Aluminum container. For elimination of severe noises on grounded or ungrounded lines. Has plug-in receptacle, 36" cord with plug and ground connection lead.

### Wire-In Type Suppression Units



#### For Permanent Installations

CB415—Type G01DH.

List, \$1.20.

YOUR PRICE

**71¢**

Condensers grounded to container.

For 110 volt AC or DC lines, up to 300 watts load.

Size 1 1/2 x 3 1/2".

CB407—Type F100SDH.

List, \$6.00.

YOUR PRICE

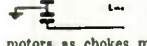
**\$353**

For all burners, neon signs, etc. Separate ground lead.

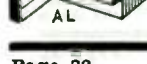
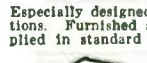
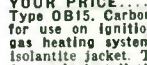
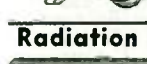
For 110-220 volt AC or DC lines up to 1100 watts load.

Size 3 1/2 x 4 1/2".

### Wire-In Type Diverter Units



Employ capacitors only to divert interference from the high potential side of power line to ground. Use of field coils of motors as chokes makes a very effective method of silencing noisy motors. Units have no current limitation.



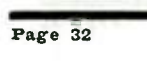
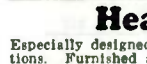
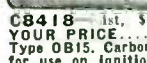
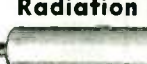
CB414—Type G01D. Dual capacitors grounded to case. Size 1 1/2 x 3 1/2". For 110V lines.

CB419—Type G14T. Triple capacitors grounded to case. For use on hand operated motor driven devices. Size 1 1/2 x 3 1/2".

PRICE, Each..

**36¢**

### For Severe Cases



CB409—Type F05D. List, \$2.50.

YOUR PRICE

**\$176**

Dual capacitor in aluminum container with mounting bracket. For obstinate cases of noise interference. Separate ground lead. For 110-220 V. AC or DC. Size 2 1/2 x 3 1/2".

### Plug-in Diverter



#### For Use at

Appliance or Radio

CB410—Type F18.

List, 60c.

YOUR PRICE

**36¢**

Display Card of 24 for \$7.63

In most cases, very effectively eliminates interference noise from home appliances, shavers, etc. Consists of 0.1 mfd. capacitor in compact bakelite plug-in case. For 110 volt AC or DC lines.

## Solar Elim-O-Stats

### Interference (Radio Noise) Filters

Every Elim-O-Stat is a complete filter containing the correct condenser or combination of chokes and condensers to very effectively eliminate practically every man made noise radiated through power lines. Capacitive-inductance types will eliminate the most severe noises in both broadcast and short wave receivers.

### To Prevent Interference at Radio Receiver

Has capacitors shunted across prong terminals. Prevents noise from entering the receiver power supply.



EB479—Type RA. Capacitive. For use with any radio receiver which is troubled with interference of low intensity. Slips over the prongs on the plug of the receiver line cord.

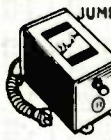
YOUR PRICE.....

**36¢**

EB480—Type RB. Capacitive. For interference of higher intensity than type RA. Plugs directly into the electric outlet and the receiver line cord plugs into the Elim-O-Stat. Can also be used with small appliances.

YOUR PRICE.....

**54¢**



EB481—Jumbo. Capacitive Inductance. In large container. For very obstinate cases of interference. Designed for attachment to radio set or medium-sized appliances. Maximum current 1 1/2 amps. at 110 volts.

YOUR PRICE.....

**\$360**

EB482—Type RN. Capacitive Inductance. Will filter out the most persistent types of interference. Sectional band suppression construction with coils designed to be effective over both standard broadcast and short wave bands. Maximum current 3 amps. at 110 volts. Also useful with appliances.

YOUR PRICE.....

**\$432**

### For Correcting Interference at the Source

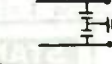
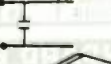
Has capacitors shunted across receptacle. Prevents interference from entering power lines.



EB483—Type AR. Capacitive. For use with electric shavers. Plugs directly into the electric outlet. Convenient to use. For 110 volts AC-DC.

YOUR PRICE.....

**72¢**



EB484—Type AD. Capacitive. General purpose filter. Will suppress interference when used with small or medium-sized appliances. Has binding post for grounding to appliance frame.

YOUR PRICE.....

**90¢**



EB485—Type AH. Capacitive Inductance. Sectional band suppression type, effective over entire broadcast and short wave bands. High current rating makes it suitable for use with larger appliances or with several appliances at once. Maximum current 5 amps. at 110 volts AC-DC.

YOUR PRICE.....

**\$540**

## Solar Elim-O-Stats For Industrial Equipment

Employ capacitors only to divert interference from the high potential side of power line to ground. Use of field coils of motors as chokes makes a very effective method of silencing noisy motors. Units have no current limitation.



EB486—Type AA. Special Dual Capacitive. For use with small motors. Mounts directly on motor frame, with leads which connect across the line. Capacity .03 .03 mfd.

YOUR PRICE.....

**54¢**

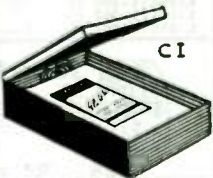
EB487—Type ADW. Dual Capacitive. Similar to type AA described above, but is intended for larger motors. Capacity .1 mfd. Rated voltage 110-220 AC-DC.

YOUR PRICE.....

**72¢**

## Elim-O-Stats In Metal Cut-Out Boxes

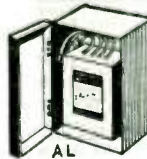
Types CI. Capacitive Inductance. Designed for application to motors, generators, farm lighting plants, and all types of large electrical equipment which create radio noise of considerable intensity. Supplied in metal cut-out boxes with facilities for connecting BX. Very effective due to the shielding of the lead leads which carry the radio noises and the sectional band suppression type of construction. For 110-220 volts AC-DC.



Stock Num.	Solar Type	Max. Amps.	Size Inches	Your Price
EB488	CIR	10	9 x 9 x 4	\$10.80
EB489	CIS	20	8 x 12 x 5	16.20
EB490	CIT	30	9 x 15 x 6	22.50

## Heavy Duty Noise Filters

Especially designed for application to oil-burners and similar permanent installations. Furnished as complete units including capacity and inductance and supplied in standard type metal cut-out boxes. Installation is made by cutting the power line as close as practical to the offending device and inserting the correct noise filter in series with the line at this point. Connections are made by splicing inside the cutout box.



Stock No.	Mfrs. Code	Line Voltage	Type Filter	Max. Amps.	Size	Your Price
EB475	*AL	110	Cap. Ind.	5		\$ 5.76
EB476	*LB-10	220	Cap. Ind.	10	6" x 6" x 4"	8.47
EB477	*LB-20	220	Cap. Ind.	20	10" x 10" x 6"	19.76
EB478	*LB-40	220	Cap. Ind.	40	12" x 10" x 8"	24.70

\*Manufactured by Solar. †Manufactured by P. R. Mallory.



### Dry Electrolytic Condensers

#### Midget Rectangular Containers



Type CS  
CN &  
CM

Extremely small. Internal metal seal protects unit against atmospheric conditions. Metal mounting flanges may be pushed under various parts on chassis, soldered down, or bent out of way. 8" insulated leads.

#### Single Section Units

##### 450 DC Wkg. Volts, 525 Peak

Stock Num.	Cap. Mfd.	Size	Your Price
D7406	4	2 1/4 x 1 1/4 x 3/4	53c
D7408	8	2 1/4 x 1 1/4 x 3/4	68c
D7433	16	2 1/4 x 1 1/4 x 1	\$1.03

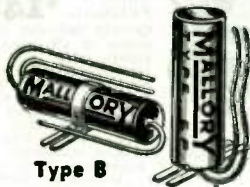
#### Dual and Triple Sections

##### Dual 4 leads, Triples 6 leads

##### Has 3 Leads—Common Negative.

Stock Num.	Cap. Mfd.	Size	Your Price
D7423	4-4	2 1/4 x 1 1/4 x 1 1/4	85c
D7425	8-8	2 1/4 x 1 1/4 x 1 1/4	\$1.06
D7426	8-8-8	2 1/4 x 1 1/4 x 1 1/4	1.56

### Tubular Condensers



Type B

Type A

Types ST, TN, 2N, 2P, 2S, 3N, 3S

Between these and the type BB condensers you can select a replacement condenser for practically any radio service job. Compact size and efficient performance eliminate need of exact duplicates. \*25 mf. section rated at 25 wkg. volts.

#### Type A—Single Units

Stock Num.	Cap. Mfd.	Wkg. Volts	Size D x L	Your Price
D7382	8	250	1 1/4 x 2 1/4	35c
D7383	16	250	1 1/4 x 2 1/4	53c
D7384	24	250	1 1/4 x 2 1/4	62c
D7387	8	450	1 1/4 x 2 1/4	44c
D7388	12	450	1 1/4 x 2 1/4	53c
D7389	16	450	1 1/4 x 2 1/4	65c

#### Multiple Units

##### Type A—Common Negative

Stock Num.	Cap. Mfd.	Wkg. Volts	Size D x L	Your Price
D7338	8-8	450	1 1/4 x 3 1/4	\$0.76
D7312	30-10-20*	150	1 1/4 x 3	1.03
D7316	40-20-20	150	1 1/4 x 3	1.18

##### Type A—Separate Section

Stock Num.	Cap. Mfd.	Wkg. Volts	Size D x L	Your Price
D7344	8-8	250	1 1/4 x 2 1/4	\$0.79
D7345	16-16	250	1 1/4 x 2 1/4	1.18
D7347	8-8	450	1 1/4 x 2 1/4	.97
D7348	8-16	450	1 1/4 x 2 1/4	1.18
D7349	16-16	450	1 1/4 x 2 1/4	1.41
D7321	8-8-20*	450	1 1/4 x 3 1/4	1.18

##### Type B—Common Negative

Stock Num.	Cap. Mfd.	Wkg. Volts	Size D x L	Your Price
D7334	8-8	150	1 1/4 x 2 1/4	\$0.59
D7335	16-16	150	1 1/4 x 2 1/4	.68
D7336	20-20	150	1 1/4 x 2 1/4	.76
D7337	40-20	150	1 1/4 x 2 1/4	.82
D7310	16-16-20*	150	1 1/4 x 2 1/4	.97
D7314	16-8-4	150	1 1/4 x 2 1/4	.85
D7315	20-10-10	150	1 1/4 x 2 1/4	1.00

##### Type B—Common Positive

Stock Num.	Cap. Mfd.	Wkg. Volts	Size D x L	Your Price
D7340	16-8	150	1 1/4 x 2 1/4	.79c
D7341	16-16	150	1 1/4 x 2 1/4	.88c
D7342	20-20	150	1 1/4 x 2 1/4	.97c

### Midget Tubulars



Type BB

Compact metal cased dry electrolytic condensers. Container is insulated with paper sleeving. New process in construction results in compact size and greater safety factor.

#### 25 D.C. Wkg. Volts, 40 Peak

Stock Num.	Cap. Mfd.	Size Inches	Your Price
D7645	10	1 1/4 x 1 1/4	29c
D7630	25	1 1/4 x 1 1/4	35c
D7631	50	1 1/4 x 1 1/4	44c

#### 50 D.C. Wkg. Volts, 75 Peak

Stock Num.	Cap. Mfd.	Size Inches	Your Price
D7646	5	1 1/4 x 1 1/4	29c
D7647	10	1 1/4 x 1 1/4	32c
D7648	25	1 1/4 x 1 1/4	41c
D7649	50	1 1/4 x 1 1/4	50c

#### 150 D.C. Wkg. Volts, 200 V. Peak

Stock Num.	Cap. Mfd.	Size Inches	Your Price
D7632	4	1 1/4 x 1 1/4	29c
D7633	8	1 1/4 x 1 1/4	32c
D7634	12	1 1/4 x 1 1/4	35c
D7635	16	1 1/4 x 1 1/4	41c
D7636	20	1 1/4 x 1 1/4	44c
D7637	30	1 1/4 x 1 1/4	47c
D7638	40	1 1/4 x 1 1/4	50c

#### 250 D.C. Wkg. Volts, 300 V. Peak

Stock Num.	Cap. Mfd.	Size Inches	Your Price
D7616	8	1 1/4 x 1 1/4	35c
D7617	12	1 1/4 x 1 1/4	47c
D7618	16	1 1/4 x 1 1/4	53c

#### 450 D.C. Wkg. Volts, 525 V. Peak

Stock Num.	Cap. Mfd.	Size Inches	Your Price
D7642	4	1 1/4 x 1 1/4	41c
D7643	8	1 1/4 x 1 1/4	44c
D7644	10	1 1/4 x 1 1/4	50c
D7619	12	1 1/4 x 1 1/4	53c
D7629	16	1 1/4 x 1 1/4	65c

### Stud Mounting Condensers

#### Type RS, RN & RM

Reduced size. Special hardware listed on this page enables these condensers to be mounted in any popular type mounting. 8" insulated wire leads. Aluminum can containers, supplied with locknut and flat washer.



#### Single Section Units

##### 450 DC Wkg. Volts, 525 Peak Volts

Stock Num.	Cap. Mfd.	Size L x D	Your Price
D7444	8	2 1/4 x 1	\$0.76
D7445	12	2 1/4 x 1	1.00
D7439	16	3 1/4 x 1	1.12

#### Dual and Triple Sections

##### Separate Sections. \*Has Com. Neg.

Stock Num.	Cap. Mfd.	Size L x D	Your Price
D7449	4-8*	3 x 1	\$1.03
D7457	4-8	3 x 1 1/4	1.03
D7458	8-8	3 x 1 1/4	1.15
D7459	8-8-8	4 x 1 1/4	1.65

### Wet Electrolytic Stud Mounting Condensers

Improved units. Container is negative, lug terminal is positive. For vertical mounting.

#### 500 D.C. Peak Voltage

Stock Num.	Cap. Mfd.	Size L x D	Your Price
D7460	4	3 1/4 x 1	\$0.59
D7461	8	3 1/4 x 1	.68
D7368	8	3 1/4 x 1 1/4	.68
D7462	12	4 1/4 x 1 1/4	.82
D7463	16	4 1/4 x 1 1/4	.97
D7369	20	4 1/4 x 1 1/4	1.06
D7370	30	4 1/4 x 1 1/4	1.21
D7370	40	4 1/4 x 1 1/4	1.35

### Fabricated Plate Condensers



### Dry Electrolytic

Incorporates improved engineering features that assure quality, service and dependability. Small size. Low R.F. impedance. Long life. Improved sealing prevents deterioration even under severe conditions of humidity or heat. Round aluminum cans. Lug connections.

#### Type FPS—Single Section

Stock Num.	Cap. Mfd.	Wkg. Volts	Size Inches	Your Price
D7273	50	150	2 x 1	68c
D7274	15	300	2 x 1	47c
D7275	30	300	2 x 1	71c
D7391	10	450	2 x 1	53c
D7392	15	450	2 x 1	71c
D7393	20	450	2 x 1	79c

#### Type FPD—Two Section

Stock Num.	Cap. Mfd.	Wkg. Volts	Size Inches	Your Price
D7280	40-40	25	2 x 1	.71
D7281	20-20	150	2 x 1	.71
D7282	30-30	150	2 x 1	.79
D7283	50-50	150	3 x 1	.94
D7321	20-20	250	2 x 1	.79
D7284	40-40	250	3 x 1	1.03

Stock Num.	Cap. Mfd.	Wkg. Volts	Size Inches	Your Price
D7286	30-30	350-300	3 x 1	\$1.06
D7394	10-10	450	2 x 1	.65
D7287	20-20	450	3 x 1	1.18
D7288	40-40	450	3 x 1 1/4	1.88
D7289	80-10	450	3 x 1 1/4	1.94

#### Type FPT—Three Section

Size, 1" dia., x 2" long

Stock Num.	Cap. Mfd.	DC Wkg. Volts	Your Price
D7299	40-20-20	150-150-25	\$0.85
D7301	15-15-40	250-250-25	.85
D7304	10x10x20	450x450x25	.94
D7308	20-20-20	25	.65
D7309	20-20-20	150	.85
D7327	10-10-10	300	.76

Size, 1" dia., x 3" long

Stock Num.	Cap. Mfd.	Wkg. Volts	Your Price
D7300	50-50x20	150x25	\$1.93
D7302	30-30x20	250x25	.97
D7303	40-15x20	300x25	1.03
D7305	20-20x20	450x25	1.23
D7306	30-10x20	450x25	1.23
D7325	40-40-40	150	1.12
D7326	30-15-10	250	.94
D7326	20x15-10	450x300	\$1.06
D7330	10-10-10	450	1.12
D7331	15-15-10	450	1.23

#### FP Mounting Wrench

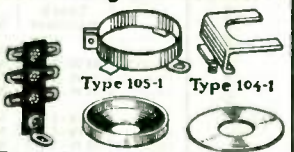
D7357—Simplifies twisting mounting ears of above condensers when making installations.

YOUR PRICE..... 44c

#### Mounting Plates for Above

Can Size	Stock Num.	Bakelite	Metal	Price Each
1 1/4"	D7395	D7398		
1 1/4"	D7396	D7399		
1 1/4"	D7397	D7400		3c

### Mounting Accessories



Type A016 Type A-017 Type 015-1

D7570—A016. Terminal connector 1 1/4" High. 10 for 29c.

D7571—A017. Washer for clamp mounting 1" stud condensers. 10 for 29c. Each..... 3c

D7572—015-1. Washer 1 1/4" Dia. 1/4" hole. Each..... 3c

D7574—104-1. Mounts stud condensers above chassis base. Each..... 9c

#### Ring Clamps

Stock Num.	Cap. Mfd.	Wkg. Volts	Size Inches	Your Price
D7575	105-1	1"	Dia.	EACH 6c
D7576	106-1	1 1/4"	Dia.	EACH 6c
D7577	107-1	1 1/2"	Dia.	EACH 9c

### Bypass Condensers

#### Paper Dielectric



Safely rated. Non-inductively wound. Low impedance contact between unit and leads. Durable cardboard container. Completely sealed against moisture.

#### 200 D.C. Working Volts

Stock Num.	Cap. Mfd.	Size Inches	Your Price
D7560	.05	1 1/4 x 1/4	12c
D7561	.1	1 1/4 x 1/4	15c
D7562	.25	2 x 1/4	18c
D7563	.5	2 1/4 x 1/4	26c
D7564	1.0	2 1/4 x 1	35c

#### 400 D.C. Working Volts

Stock Num.	Cap. Mfd.	Size Inches	Your Price
D7556	.05	1 1/4 x 1/4	12c
D7557	.1	1 1/4 x 1/4	15c
D7558	.25	2 x 1/4	18c
D7559	.5	2 1/4 x 1/4	26c
D7568	1.0	2 1/4 x 1	35c

#### 600 D.C. Working Volts

Stock Num.	Cap. Mfd.	Size Inches	Your Price
D7548	.0001	1 1/4 x 1/4	12c
D7549	.00025	1 1/4 x 1/4	15c
D7542	.0005	1 1/4 x 1/4	18c
D7543	.001	1 1/4 x 1/4	26c
D7544	.002	1 1/4 x 1/4	35c
D7545	.005	1 1/4 x 1/4	44c
D7546	.006	1 1/4 x 1/4	53c
D7547	.01	1 1/4 x 1/4	62c
D7548	.02	1 1/4 x 1/4	71c

Stock Num.	Cap. Mfd.	Size Inches	Your Price
D7565	.03	1 1/4 x 1/4	15c
D7566	.04	1 1/4 x 1/4	18c
D7549	.05	1 1/4 x 1/4	26c

Stock Num.	Cap. Mfd.	Size Inches	Your Price
D7550	.06	1 1/4 x 1/4	18c
D7551	.1	1 1/4 x 1/4	26c
D7552	.25	2 x 1/4	35c
D7553	.5	2 1/4 x 1/4	59c
D7557	1.0	2 1/4 x 1/4	59c

#### 1600 D.C. Working Volts

##### Oil Impregnated Wax Filled

D7350	.001	1 1/4 x 1 1/4	.35
D7351	.002	1 1/4 x 1 1/4	.35
D7352	.005	1 1/4 x 1 1/4	.35
D7353	.006	1 1/4 x 1 1/4	.35
D7354	.01	1 1/4 x 1 1/4	.35
D7355	.02	1 1/4 x 1 1/4	.35
D7356	.05	2 1/4 x 1 1/4	.45

**26c**

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# CONDENSERS - Test Equipment SOLAR

## "Type DH"

### Dry Electrolytic Condensers



Popular service type cardboard tubular units, in single and multiple values. So arranged that in any type cover virtually every service requirement. Insulated leads all brought out one end. Special mounting ears permit upright mounting. For horizontal mounting, a metal strap is supplied with each capacitor. Individually packaged.

#### Single Capacity Units 2 leads

Stock No.	Nom. Rat Mfd. WV	Size In. D. L.	List Price	Your Price
DH-201	20-150	2 1/4 2 1/4	\$0.75	\$0.44
DH-82	8-250	2 1/4 2 1/4	.80	.35
DH-162	16-250	2 1/4 2 1/4	.90	.53
DH-53	8-350	2 1/4 2 1/4	.70	.41
DH-163	16-350	2 1/4 2 1/4	1.00	.59
DH-84	8-450	2 1/4 2 1/4	.75	.44
DH-164	16-450	2 1/4 2 1/4	1.10	.65
DH-85	8-525	2 1/4 2 1/4	1.10	.65

#### Dual Capacities—Common Negative 3 leads

DH-2020	20+20-25	1 3/4 2 1/4	1.00	.59
DH-20201	20+20-150	1 3/4 2 1/4	1.30	.76
DH-30301	30+30-150	1 3/4 2 1/4	1.75	1.03
DH-50501	50+50-150	1 3/4 2 1/4	2.00	1.18
DH-882	8+8-250	1 3/4 2 1/4	1.05	.62
DH-883	8+8-350	1 3/4 2 1/4	1.15	.68
DH-884	8+8-450	1 3/4 2 1/4	1.30	.76

#### Dual Capacities—Separate Sections 4 leads

DHS-20201	20+20-150	1 3/4 3	1.65	.97
DHS-882	8+8-250	1 3/4 3	1.35	.79
DHS-883	8+8-350	1 3/4 3	1.50	.88
DHS-16163	16+16-350	1 3/4 3	2.20	1.29
DHS-884	8+8-450	1 3/4 3	1.65	.97
DHS-8164	8+16-450	1 3/4 3	2.00	1.18
DHS-16164	16+16-450	1 3/4 3	2.40	1.41

#### Triple Capacities—Common Negative 4 leads

DHTN-222	30+20-150	1 2-1/4	\$1.75	1.03
DHTN-422	40+20-150	1 2-1/4	1.80	1.06
DHTN-3211	30+20-150	1 2-1/4	1.80	1.06
DHTN-112	15+10-350	1 1-1/4 2-1/4	2.00	1.18
DHTN-212	20-100	1 1-1/4 3 1/4	2.25	1.32

#### Triple Capacities—Separate Sections 6 leads

DHTS-882	8+8-350	1-1/4 3 1/4	1.80	1.06
DHTS-16162	16+16-350	1-1/4 3 1/4	2.55	1.50
DHTS-88422	8+8-450	1-1/4 3 1/4	2.00	1.18
DHTS-816422	8+16-450	1-1/4 3 1/4	2.40	1.41
DHTS-8883	8+8-350	1-1/4 3 1/4	2.00	1.18
DHTS-8884	8+8-450	1-1/4 4	2.25	1.32

### Stud Mounting

## Wet Electrolytics

### Type Z

For heavy duty filter work. Self healing properties and ability to withstand voltage overloads make these units dependable. For upright mounting only. Cans are negative with positive terminals underneath. Carefully rated for efficient filter work. All units have screw base and are supplied with palmot for mounting.



#### Type ZD

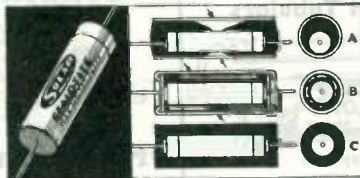
Stock No.	Cap. Mfd.	D.C. Peak Voltage	List Price	Your Price
ZD-8	8	500	\$1.15	\$0.68
ZD-12	12	500	1.40	.82
ZD-16	16	500	1.65	.97
ZD-20	20	500	1.80	1.06
ZD-24	24	500	1.95	1.15

#### Types Z and ZV

Z-230	30	500	2.05	1.21
Z-235	35	500	2.10	1.24
Z-40	40	500	2.30	1.35
ZV-278	8	600	1.80	1.06
ZV-286	16	600	2.40	1.41

## "Sealdtite" Tubulars

### Paper Capacitors



By a distinctive Solar wax molding process Sealdtite tubulars are actually sealed tight against moisture. No more dubious results as shown in figures A and B. The "Sealdtite" assembly is not stuck into tubes, but is "centered" in a mold. Then the exclusive Sealdtite wax compound molded around it. The result is the most thoroughly protected—most perfectly sealed tubular paper condenser ever attained. Average life expectancy greatly increased. Non-inductively wound with tinfoil. 2 1/4" leads hot soldered to sections. Excellent R.F. characteristics. Reliable in every climate.

#### 1600 V. DC Working

Stock No.	Cap. Mfd.	Size, Inches Diam. Long	List Price	Your Price
Vim-1	.005	1 1/4 1-1/4	45¢	27¢
Vim-3	.007	1 1/4 1-1/4	45¢	
Vim-5	.01	1 1/4 1-1/4	45¢	
Vim-7	.02	1 1/4 1-1/4	45¢	

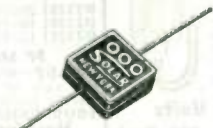
#### 1000 V. DC Working

Vim-11	.01	1 1/4 1-1/4	40¢	24¢
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#### 600 V. DC Working

S-0203	.00025	3/4 1-1/4	\$0.20	12¢
S-0204	.0005	3/4 1-1/4	.20	
S-0211	.001	3/4 1-1/4	.20	
S-0212	.002	3/4 1-1/4	.20	
S-0213	.003	3/4 1-1/4	.20	
S-0214	.004	3/4 1-1/4	.20	15¢
S-0215	.005	3/4 1-1/4	.20	
S-0216	.006	3/4 1-1/4	.20	
S-0221	.01	3/4 1-1/4	.20	
S-0224	.02	3/4 1-1/4	.20	
S-0226	.03	3/4 1-1/4	.25	15¢
S-0227	.04	3/4 1-1/4	.25	
S-0230	.05	3/4 1-1/4	.25	
S-0240	.1	1 1/4 2-1/4	.30	.13
S-0244	.2	1 1/4 2-1/4	.45	.27
S-0257	.25	1 1/4 2-1/4	.45	.27
S-0265	.5	1 1/4 2-1/4	.60	.35
S-0268	1.0	1 1/4 3	1.00	.59

## Standard Micas



Compact molded moisture proof bakelite cases. Highest efficiency. Low power factor and have high Q characteristics. Bare leads 1 1/4" long. Available in three types: MW 3/4" sq., MT 1/2" sq., MO 1/2" x 1 1/4".

Cap. Mfd.	Type MW	Type MT	Type MO	Your Price
.000025				
.00005	MW-1210	MT-1306	MO-1406	15¢
.0001	MW-1216	MT-1310	MO-1410	12¢
.0002	MW-1218	MT-1318	MO-1418	12¢
.0004	MW-1221	MT-1321		15¢
.0005	MW-1222	MT-1322		15¢
.001	MW-1227	MT-1327		18¢
.002	MW-1233			24¢
.005	MW-1239			35¢

## Domino Paper Capacitors

Flat non-inductive units molded into treated bakelite. Moisture Proof. Underwriters Approval. 2" bare leads.

#### Domino Type MPW

Stock No.	Cap. Mfd.	DCWV Volts	Dimensions Inches	List Price	Your Price
MPW-4135	.01	600	1-1/4 x 1/4 x 1/4	45¢	27¢
MPW-4139	.05	600	2x1 1/4 x 1/4	50¢	29¢
MPW-4140	1	600	2x1 1/4 x 1/4	60¢	35¢

## Solar Capacitor Analyzers Model CE Exam-eter



E17172—Model CE complete with tubes, test leads. **\$44.00**

YOUR PRICE ..... Measures the true condition of any type condenser used in radio receivers. Tests for shorts, opens, leakages, R.F. impedance, intermittents. Has capacity range from 10 mmfd. to 2000 mfd. Has resistance range of 50 ohms to 10,000 megohms. Power factor of 0 to 50%. Variable D.C. voltage supply of 0 to 550 volts. DC vacuum tube voltmeter measures D.C. voltage from 0 to 600 in three ranges; A.C. vacuum tube voltmeter has range from 0 to 30 volts. May also be used as a continuity meter. Employs 1-6L6, 2-6J5GT Tubes. Portable case is 8 1/2 x 11 1/2 x 5 1/2" high. For 110 volts, 60 cycles A.C. Complete with tubes and test leads.

## Solar Condenser "Quick Check"

D17181 — Model QC-1-60. With test leads and instructions. **\$14.60**

YOUR PRICE.... Quickly indicates condition of all types of paper, mica, air and electrolytic condensers without removing them from the circuit. Consists of a balanced RF oscillator, a visual indicator and a source of power to permit positive indication of good, shorted and open condensers, intermittent defects and RF impedance of the condenser. Simple to operate. Housed in compact metal case. Size 5 1/2 x 4 1/2" high. Wt. 5 1/2 lbs. For 110 volt, 60 cycle AC operation.

## With Capacity Bridge

D17182 — Model QCA-1-60. Similar to above except combines the RF oscillator with a Wien bridge to perform condenser tests as mentioned above and also measure capacity from .0001 to 70 mfd., power factor and to serve as a continuity meter for circuit testing. **Your Price \$24.40**

All other Solar Instruments supplied promptly

See page 12 for additional Solar Test Equipment

## "Little Giants" Dry Electrolytics

Solar "Little Giants" are the newest development in dry electrolytics and are as fully reliable as bulkier older types. Single units are self-supporting on strongly-anchored 6" leads or may be mounted by convenient tabs. Dual units are provided with mounting flanges easily removable if not required. Housed in silver-finished cardboard containers. Dual sections have separate leads.

#### 450 Working Volts—525 Volts Peak

Stock No.	Cap. Mfd.	Dimensions Inches	List Price	Your Price
LGS-2	2	2-1/4 x 3/4 x 1/4	\$0.80	\$0.47
LGS-4	4	2-1/4 x 3/4 x 1/4	1.90	.53
LGS-8	8	2-1/4 x 1-1/4 x 1/4	1.15	.68
LGS-16	16	2-1/4 x 1-1/4 x 1/4	1.65	.97
LGS-88	8+8	2-1/4 x 1-1/4 x 1-1/4	1.80	1.06
LGS-88A	8+8+8	2-1/4 x 1-1/4 x 1-1/4	2.65	1.56
DAA-0608	8	4-1/4 x 1-1/4 x 1/4	1.15	.68
DJ-0362	8+8	4-1/4 x 1-1/4 x 1/4	1.80	1.06



# SOLAR

# Electrolytic Capacitors

# CONDENSERS



## "Minicap"

### Metal Encased Tubular Drys

Used for past several years as standard in factory made receivers. Etched aluminum foil plates. Aluminum containers enclosed in cardboard tubes. Spun-in fiber ends. Long tinned copper leads riveted to ends. When present supply of aluminum containers is used up, it is assumed that no more may be available for the "duration." We will then substitute type "DT" on all orders for "Minicaps." We have a good supply in stock.

Stock Num.	Cap. Mfd.	Wkg. Volt	Size, Inches		List Price	Your Price
			Dia.	Long		
M-010	10	25	1-1/4	1-1/4	\$0.29	.29
M-025	25	25	1-1/4	1-1/4	.35	.35
M-5010	10	50	1-1/4	1-1/4	.55	.32
M-5025	25	50	1-1/4	1-1/4	.70	.41
M-50100	100	50	1-1/4	1-1/4	1.20	.71
M-204	4	150	1-1/4	1-1/4	.50	.29
M-208	8	150	1-1/4	1-1/4	.55	.32
M-212	12	150	1-1/4	1-1/4	.60	.35
M-216	16	150	1-1/4	1-1/4	.70	.41
M-220	20	150	1-1/4	1-1/4	.75	.44
M-224	24	150	1-1/4	1-1/4	.75	.44
M-230	30	150	1-1/4	1-1/4	.80	.47
M-240	40	150	1-1/4	1-1/4	.85	.50
M-258	8	250	1-1/4	1-1/4	.60	.35
M-2516	16	250	1-1/4	1-1/4	.90	.53
M-308	8	350	1-1/4	1-1/4	.70	.41
M-316	16	350	1-1/4	1-1/4	1.00	.59
M-404	4	450	1-1/4	1-1/4	.70	.41
M-408	8	450	1-1/4	1-1/4	.75	.44
M-412	12	450	1-1/4	1-1/4	.80	.53
M-416	16	450	1-1/4	1-1/4	1.10	.65
M-420	20	450	1-1/4	1-1/4	1.20	.71
M-508	8	525	1-1/4	2-1/4	1.10	.65
M-011	10+10	25	1-1/4	1-1/4	.85	.50
M-288	8+8	150	1-1/4	1-1/4	1.00	.59
M-816	8+16	150	1-1/4	2-1/4	1.05	.62
M-1616	16+16	150	1-1/4	2-1/4	1.15	.68
M-2020	20+20	150	1-1/4	2-1/4	1.30	.76
M-488	8+8	450	1-1/4	2-1/4	1.30	.76

## Dry Electrolytics In Round Metal Cans

Stud Mounting. Finest quality materials have been used in the construction of these units. Excellent for any type of filter circuit. Expertly engineered to give fine service. Cans are adequately insulated from the capacitor sections. Inverted single nut mounting. Available with either flexible leads or lug terminals. Supplied with mounting nuts.



Stock No.	Cap. Mfd.	DC. Voltage		List Price	Your Price
		Work	Peak		
D-800	8	475	600	\$1.80	\$1.06
D-808	8	450	525	1.30	.76
D-813	16	450	525	1.90	1.12
D-8131	20	450	525	2.10	1.24
D-8132	30	450	525	2.40	1.41
D-8133	40	450	525	2.85	1.68
D-8134	50	450	525	3.45	2.03
D-820	8+8	450	525	1.95	1.15
D-838	8+8+8	450	525	2.80	1.65

### Type DM-1"x2 1/2" Leads Insulated Can % Base

DM-508	8	450	525	1.30	.76
DM-516	16	450	525	1.90	1.12

### Type DI-1 1/8"x3 3/4" Lugs in Molded Screw Base % Diam.

DI-854	8	450	525	1.30	.76
DI-859	16	450	525	1.90	1.12
DI-869	8+8	450	525	1.95	1.15

## TYPE DT

### Fiber Case—Wax Sealed

Now being used as standard on all factory made receivers. Same style construction as "Minicaps" but has no aluminum container and ends are wax sealed. Will be supplied in place of "Minicaps" when minicap stock is exhausted.

Stock No.	Cap Mfd.	DC Volt	Size Inch		List Price	Your Price
			Dia.	lgth.		
DT-856	1	450	1/4	2	\$0.70	\$0.41
DT-857	2	450	1/4	2	.70	.41
DT-858	4	450	1/4	2	.70	.41
DT-859A	8	450	1/4	2	.75	.44
DT-859B	12	450	1/4	2	.90	.53
DT-859C	16	450	1/4	2	1.10	.65
DT-859D	20	450	1/4	2	1.20	.71
DT-860A	8	350	1/4	2	.70	.41
DT-860B	16	350	1/4	2	1.00	.59
DT-866	4	150	1/4	2	.50	.29
DT-868	8	150	1/4	2	.55	.32
DT-868B	12	150	1/4	2	.60	.35
DT-868A	16	150	1/4	2	.70	.41
DT-868C	20	150	1/4	2	.75	.44
DT-869D	30	150	1/4	2	.80	.47
DT-869E	40	150	1/4	2	.85	.50
DT-869F	50	150	1/4	2	1.10	.65
DT-873	5	50	1/4	2	.50	.29
DT-874	10	50	1/4	2	.55	.32
DT-875	25	50	1/4	2	.70	.41
DT-876	50	50	1/4	2	.85	.50
DT-877	100	50	1/4	2	1.20	.71
DT-878	5	25	1/4	2	.50	.29
DT-879	10	25	1/4	2	.50	.29
DT-882	25	25	1/4	2	.60	.35
DT-885	10+10	25	1/4	2	.85	.50

## "Type DY"

### Dry Electrolytics

#### Twist-Prong Mounting



Hermetically sealed units with a special molded rubber base to assure long life, proper venting, and rigidity for terminals. Mounting is by means of metal tongues which fit into slots in chassis and are twisted to clamp condenser in place. Inverted aluminum cans. Terminal lugs. Multiple units have common negative ground to can. Complete with necessary mounting plates.

Stock Num.	Mfd. Cap. Voltages	Can Size, Inches	List Price	Your Price
DY-61	20+20-150	1x2	\$1.20	\$0.71
DY-63	30+30-150	1x2	1.35	.79
DY-66	40+20-150	1x2	1.35	.79
DY-70	15+15-300	1x2	1.20	.71
DY-71	30+30-350-300	1x3	1.80	1.06
DY-94	10+10-450	1x2 1/2	1.45	.85
DY-92	20+20-45	1x3 1/2	2.00	1.18
DY-90	20+20+20-150	1x2	1.45	.85
DY-97	40+20+20-150	1x2 1/2	1.60	.94
DY-98	40+40+40-150	1x3	1.90	1.12
DY-99A	40+20+20-250	1x3	1.90	1.12
DY-105	10+10+10-450	1x3	1.90	1.12
DY-106	15+15+10-450	1x3	2.10	1.24
DY-150	20-450, 15+10-300	1x3 1/2	1.90	1.12
DY-144	15-450, 20-350, 20-250	1x3	2.00	1.18
DY-103	30+30-150, 20-25	1x2 1/2	1.50	.88
DY-103A	30+20-150, 100-6	1x2	1.80	1.06
DY-110	50+30-150, 100-25	1x3	2.05	1.21
DY-111	15+15-250, 20-25	1x2	1.35	.79
DY-133	15+15-350, 20-25	1x3	1.50	.88
DY-134	30+20-350, 20-25	1x3 1/2	1.90	1.12
DY-141	10+10-450, 20-25	1x3	1.65	.97
DY-142	15+15-450, 20-25	1x3	1.90	1.12
DY-145	30+30-450, 20-25	1 1/2 x 3	2.70	1.59
DY-1030	40-350, 40+20-300, 20-25	1x3 1/2	2.80	1.65
DY-1020	10+10+10-450, 20-25	1 1/2 x 2 1/2	2.05	1.21
DYP-3	Metal plate for 1" cans—Grounding			.04
DYP-4	Bakelite plate for 1" cans—Insulating			.04
DYP-7	Metal plate for 1 1/4" cans—Grounding			.05
DYP-8	Bakelite plate for 1 1/4" cans—Insulating			.05

## "Red-Caps"

### Plastic (Bakelite) Tubes

Better type construction than type "DT" and worth the small price difference. Plastic (Bakelite) tube container insures excellent "seal." Fiber sealed ends. Riveted on, tinned copper wire leads. Same etched plate construction as "Minicap" and "DT." Smaller diameter makes for handy assembly of units to make-up multi-capacity blocks. A balanced supply of "Red-Caps" insure the handling of every condenser replacement job in every voltage and capacity combination.

Stock No.	Cap Mfd.	Wkg. Volt	Size, Inches		List Price	Your Price
			Dia.	Long		
R-020	20	50	1/4	2-1/4	\$0.60	\$0.35
R-210	10	150	1/4	2-1/4	.60	.35
R-215	15	150	1/4	2-1/4	.70	.41
R-220	20	150	1/4	2-1/4	.75	.44
R-230	30	150	1/4	2-1/4	.80	.47
R-240	40	150	1/4	2-1/4	.85	.50
R-310	10	350	1/4	2-1/4	.75	.44
R-320	20	350	1/4	2-1/4	1.05	.62
R-505	5	450	1/4	2-1/4	.75	.44
R-510	10	450	1/4	2-1/4	.80	.47
R-515	15	450	1/4	2-1/4	1.05	.62
R-520	20	450	1/4	2-1/4	1.20	.71
R-610	10	525	1/4	2-1/4	1.20	.71

### Dual Capacities—Negative Com. 3 leads

R-2205	20+20	25	1/4	2-1/4	1.00	.59
R-1010	10+10	150	1/4	2-1/4	1.05	.62
R-2020	20+20	150	1/4	2-1/4	1.30	.76
R-3030	30+30	150	1/4	2-1/4	1.50	.88
R-115	10+10	450	1/4	2-1/4	1.45	.85

## Dry Electrolytics

### Types "DP and DQ"



Ideal as replacement units. Careful construction and sealing assures long life. Round drawn metal cans in upright position. Can is negative. Positive solder terminal connections on top. Mounting rings included.

### Type DP 2 1/2" Diameter Cans

Stock No.	Cap Mfd.	DC Volt		List Price	Your Price
		Wrk.	Peak		
DP-2508	8+8	450	525	\$2.20	\$1.29
DP-2515	5+15	450	525	2.30	1.65
DP-2538	8+8+8	450	525	3.25	1.91

### Type DQ 3" Diameter Cans

DQ-2424	8+8	450	525	3.25	1.91
DQ-2636	8+8+8	450	525	4.50	2.65
DQ-2720	9+9+18+18	450	525	6.30	3.70

## Tom Thumb

### Uncased Paper Capacitors

Unusually compact. Flat uncased paper sections, well sealed within varnished wrappers. Flexible insulated leads 6" long and are color coded to indicate voltage as follows: black 200, yellow 400, blue 600, red 1000.



### 1000 VDC Working—2000 VDC Test

Stock No.	Cap Mfd.	Dimensions Inches			List Price	Your Price
		Long	Wide	Thick		
TT-14	1.0	4 1/4	2-1/4	1 1/4	\$1.80	\$1.06
TT-35	2.0	4 1/4	2-1/4	1 1/4	3.00	1.76

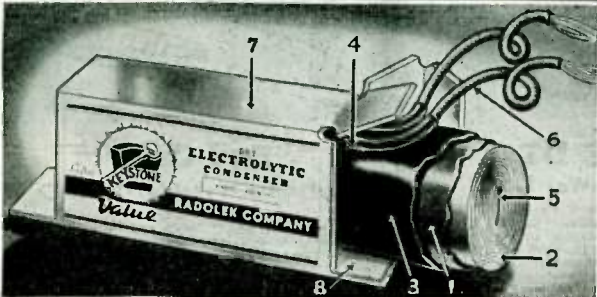
### 600 VDC Working—1200 VDC Test

TT-1	1.0	2-1/4	1-3/8	1 1/4	1.10	.65
TT-2	1.0	2-1/4	1-3/8	1-1/4	1.65	.97



# KEYSTONE Electrolytic CONDENSERS

**WORLD'S GREATEST VALUES!**



## Dry Electrolytics In Tab Cardboard Containers

Construction Typical of all Keystone Condensers

- 1-Condenser unit wound with highest quality aluminum foil, 99.8% pure.
- 2-Two thicknesses of high-grade cellulose separators.
- 3-DOUBLE-SEALED. First, with a Moisture-proof Wrapper, then a coating of heat resistant mineral plastic.
- 4-Terminal leads securely and permanently anchored to condenser unit.
- 5-Machine wound insuring uniform capacity characteristics.
- 6-Size inch insulated, push-back leads.
- 7-Sturdy cardboard container. Wax Impregnated. Fully moisture-proof.
- 8-Mounting tabs securely support condenser in place. May be cut off.

All Keystone Condensers are guaranteed for 1 full year! Should any fail within that time when operated at correct rated voltage, we will replace it, no charge.

Stock Number	Cap. Mfd.	Work. Volts	Peak Volts	Size Inches	No. of Leads	Price Each	In 10 Lots, Ea.
B7230	8	450	600	1 1/4 x 1 1/2	2	46c	41c
B7231	8x8	450	600	1 1/4 x 1 1/2	4	72c	65c
B7232	16x12	200	250	1 1/4 x 1 1/2	4	84c	76c
B7233	10x10	30	35	1 1/4 x 1 1/2	4		
B7233	8x8	200	250	1 1/4 x 1 1/2	6	89c	80c
B7233	20	200	250	1 1/4 x 1 1/2	6		

## Dry Electrolytics In Inverted Stud Mounting Metal Containers

Same high quality as above dry Electrolytic Condensers. Hermetically sealed in stud mounting metal container. Condenser is insulated from container. 6" insulated wire leads. Look nut included. 1" Dia. units mounts in 3/8" hole, others 1/2". \*With lug terminal; condenser is grounded to container.

Stock Number	Cap. Mfd.	Work. Volts	Peak Volts	Size Inches	No. of Leads	Price Each	In 10 Lots, Ea.
B7234	8	450	600	1 x 3 1/4	2	51c	46c
B7110	8	450	600	1 1/2 x 3 1/4	2	51c	46c
C7179	16	450	600	1 x 3 1/4	2	84c	76c
B7235	8x8	450	600	1 1/2 x 3 1/4	4	77c	70c



## Dry Electrolytics in Round Cardboard Containers—Spade Leads

Moisture-proof cardboard aluminum coated containers. Sealed with high melting point compound. Mounting lugs take 6/32 nuts. 6" Long insulated wire leads.

Stock Number	Cap. Mfd.	Work. Volts	Peak Volts	Size Inches	No. of Leads	Price Each	In 10 Lots, Ea.
B7236	8x8	450	600	1 1/4 x 3 1/4	4	79c	71c
B7237	16x12	200	250	1 1/4 x 3 1/4	4	84c	76c
B7238	10x10	30	35	1 1/4 x 3 1/4	4		
B7238	16x12	200	250	1 1/4 x 3 1/4	4	59c	53c
E7200	8	450	600	1 1/2 x 3 1/4	2	55c	50c
E7201	16	450	600	1 1/2 x 3 1/4	2	72c	65c

## New "Mini-Mikes" Elec'tyics

Aluminum Containers Enclosed in Fibre Tubes



Latest development in dry electrolytics. Fit into smallest spaces. Full capacity. Low leakage. Low R.F. impedance. Will withstand high surges and high temperatures. Hermetically sealed. Absolutely protected against "blow-ups." Will not deteriorate no matter how long you keep them in stock. 2" leads. Should metal containers no longer be available we will then supply condensers in wax filled fibre tubes.

Cap. Mfd.	Work. Volts	Peak Volts	Dimensions Long	Stock Num.	List Price	Price Each	In 10 Lots of Ten Each
4	450	525	1 1/4" x 1 1/4"	D7129	\$0.70	29c	26c
8	450	525	1 1/4" x 1 1/4"	D7130	.75	30c	27c
16	450	525	1 1/4" x 1 1/4"	D7131	1.10	47c	42c
8	150	200	1 1/4" x 1 1/4"	D7137	.55	25c	22c
16	150	200	1 1/4" x 1 1/4"	D7138	.70	29c	26c
20	150	200	1 1/4" x 1 1/4"	D7142	.75	31c	28c
10	25	35	1 1/4" x 1 1/4"	D7183	.50	24c	20c
16-16	150	200	1 1/4" x 1 1/4"	D7148	1.15	54c	49c
8-8	450	525	1 1/4" x 1 1/4"	D7149	1.30	55c	48c

## Tubular By Pass Condensers



Wax Filled Hermetically Sealed in Tubular Fibre Cases



1 1/2" Tinned Wire Lead

1000 W.V. DC 3000 Volts Peak Polystyrene Dielectric

Though rated at 3000 D.C. volts peak, these condensers are no larger than the usual 600 W.V. type yet have a longer life. These quality tubular condensers offer you a safe replacement for radio receivers, power amplifiers, etc. Sizes vary from 1 1/4" to 2" long and 3/8" to 1" in dia.

Stock Number	Cap. Mfd.	Price Each	In Ten Lots, Ea.
E8550	.001		
E8551	.002		
E8552	.003	11c	10c
E8553	.005		
E8554	.006		
E8555	.01	11c	10c
E8556	.02	11c	10c
E8557	.05	14c	13c
E8558	.1	18c	16c
E8559	.25	25c	23c
E8560	.5	35c	32c

Paper Dielectric Carefully made of finest materials. Sizes vary from 1 1/4" to 2 1/2" long and 3/8" to 1 1/4" in diameter. Guaranteed 1 year.

600 D.C. Working Volts

Stock Number	Cap. Mfd.	Price Each	In Ten Lots, Ea.
E8583	.001		
E8586	.006		
E8587	.01	8c	7c
E8588	.02		
E8589	.03	10c	9c
E8590	.05		
E8593	.1	12c	11c
E8595	.25	17c	15c
E8596	.5	24c	22c

400 D.C. Working Volts

Stock Number	Cap. Mfd.	Price Each	In Ten Lots, Ea.
E8568	.1	10c	9c
E8570	.25	12c	11c
E8571	.5	17c	15c
E8575	1.	24c	22c

## Mica By Pass Condensers

Suitable for all by-passing uses. Compact molded bakelite case. Moisture proof. Tinned Wire Leads. Size 3/4" Square.

Stock Number	Cap. Mfd.	Your Price
K8505	.000025	
K8506	.00004	
K8507	.00005	
K8508	.0001	
K8509	.00015	
K8510	.0002	Each 8c
K8511	.00025	
K8512	.0003	
K8513	.0004	
K8514	.0005	
K8515	.00075	Each 10c
K8516	.001	Each 12c
K8517	.0015	Each 10 for \$1.08
K8518	.002	Each 15c
K8519	.0025	Each 10 for \$1.35
K8520	.003	Each 22c
K8521	.004	Each 10 for \$1.98

## "Illini Hy-Cap" Tubular Electrolytics



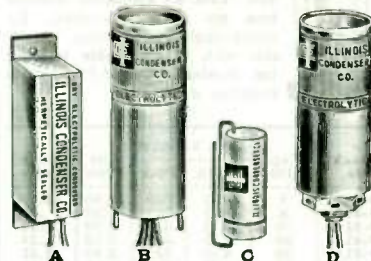
A compact etched foil condenser which has full capacity and voltage rating. Metal cased with varnished bristol-board insulating sleeve.

Stock No.	Cap. Mfd.	Wkg. Vol.	Size Inches	Price Each
E8770	8	450	1 1/4 x 1 1/4	34c
E8771	8x8	450	1 x 3 1/4	59c
E8772	16	150	1 1/4 x 1 1/4	32c
E8773	24	150	1 1/4 x 1 1/4	34c
E8774	40	150	1 1/4 x 1 1/4	38c
E8775	20x20	150	1 1/4 x 1 1/4	32c
E8776	25	50	1 1/4 x 1 1/4	32c
E8777	10	25	1 1/4 x 1 1/4	23c

\*4 separate leads.

## Illinois Dry Electrolytic Condensers

Illinois condensers are known for their uniformity high quality. They are produced in a modern factory employing special forming and sealing equipment. Skilled engineering results in close control, with accurate capacitances and low power factor. Only pure chemicals and the finest of raw materials are used. Multiple units have separate leads for each section. FRESH STOCK. PACKED IN INDIVIDUAL CARTONS.



A—Rectangular Fibre Case

Cap. Mfd.	Stock Num.	Pk. Vlt.	Size Inches	Pr. Ea.
8-8	E8756	600	2 1/4 x 1 1/4 x 1 1/4	\$0.52
8-8	E8757	600	3 1/4 x 1 1/4 x 1 1/4	.81
16-12	E8758	250	3 1/4 x 1 1/4	.77
25-8	E8759	250	3 1/4 x 1 1/4	1.03
16-12	E8760	250	3 1/4 x 1 1/4	.98
10-10		35		

B—Lug Mtg. Fibre Container

Cap. Mfd.	Stock Num.	Pk. Vlt.	Size Inches	Pr. Ea.
8-8	E8761	600	1 1/4 x 3 1/4	81c
16-12	E8762	250	1 1/4 x 3 1/4	74c
16-12	E8763	250	1 1/4 x 3 1/4	90c
10-10		35		

C—Tubular Fibre Container

Cap. Mfd.	Stock Num.	Pk. Vlt.	Size Inches	Pr. Ea.
8	E8764	250	1 1/4 x 1 1/4	40c
16	E8765	250	1 1/4 x 1 1/4	59c
10	E8766	35	1 1/4 x 1 1/4	32c
10-10	E8767	35	1 1/4 x 1 1/4	40c

D—Stud Mounting Metal Case

Cap. Mfd.	Stock Num.	Pk. Vlt.	Size Inches	Pr. Ea.
8-8	E8768	600	1 x 3 1/4	.59
8-8	E8769	600	1 1/4 x 3 1/4	.88



# TUNGAR BULBS-NEON LAMPS-BATTERY CLIPS



## Genuine G.E. Tungar Rectifier Bulbs



Suitable for all battery charger and exciter lamp rectifier uses. Manufactured of the finest materials and thoroughly tested. Types A, B, and C have 3 terminal screw base. Type C has outside top lead wire, which may be cut off.

- C1802**—Type A. G.E. #289881. Filament 1.8 volts at 6 amps. Output 7.5 volts at 0.5 amps.  
**C1803**—Type B. G.E. #277465. Filament 2.0 volts at 12 amps. Output 60 volts at 2 amps.  
**C1804**—Type B. G.E. #12X825. Filament 2.0 volts at 12 amps. Output 75 volts at 2 amps.  
**C1805**—Type C. G.E. #195528. Filament 2.0 volts at 12 amps. Output 60 volts at 2 amps.

List Price, \$4.00.  
**YOUR PRICE, Each.....\$2.94**

- C1806**—Type D. G.E. #189048. Filament 2.2 volts at 18 amps. Output 60 volts at 6 amps.  
**C1807**—Type E. G.E. #189049. Filament 2.2 volts at 18 amps. Output 90 volts at 6 amps.

List Price, \$5.00.  
**YOUR PRICE, Each.....\$3.67**

- C1808**—Type F. G.E. #217283. Filament 2.5 volts at 27 amps. Output 60 volts at 15 amps.  
 List Price, \$10.00.  
**YOUR PRICE.....\$7.35**

## Special Tungar Type Bulbs

Quality Guaranteed  
 Specifications Similar to Above G.E. Type

- E1822**—Type A. **YOUR PRICE, Ea. \$2.25**  
**E1823**—Type B (60V.) **YOUR PRICE, Ea. \$2.25**  
**E1824**—Type C. **YOUR PRICE, Ea. \$3.00**  
**C1825**—Type D. **YOUR PRICE, Ea. \$3.00**  
**C1826**—Type E. **YOUR PRICE, Ea. \$6.50**  
**C1827**—Type F. **YOUR PRICE, Ea. \$6.50**

## No. 5122 Neon Lamp

Has standard octagon switch-board lamp base. Requires external resistor. Size: 1 3/4" long x 3/8".  
**E10517**—**YOUR PRICE, Each.....21c**

## Panel Mounting

For 5122 lamp. For panels up to 1/2" thick and 1/4" dia. mounting hole. 2 meg. built-in resistor. Black bakelite body, with transparent moulded cap. Length behind panel 2 1/2" in front.  
**E10518**—List, \$1.00.  
**YOUR PRICE.....59c**

## Neon Bulb Mounting

For under panel. Clip holds bulb against a 3/8" or 1/2" hole in panel. Length 1 1/2", depth 1 1/4".  
**E10519**—**YOUR PRICE, Each.....12c**

## Mallory Grid Bias Cell

Small acorn shaped, no current potential device. Supplies 1 Volt plus or minus 10%. Adaptable to all circuits of grid bias where current does not exceed one microampere. Circuit is identical to "C" battery. Designed principally to bias first audio tubes in high gain amplifiers. Eliminates the necessity of high capacitive cathode by-pass condensers. Will give indefinite life if not overloaded.

**A3905**—1 Volt Cell.  
**A3904**—1/2 Volt Cell.  
 List Price, 35c.  
**YOUR PRICE, EACH.....21c**

## Bias Cell Mountings

Stock Number	Type Number	Num. Cells	List Price	YOUR PRICE
K3907	GB-11A	1	15c	9c
K3908	GB-11B	1	20c	12c
K3909	GB-12	2	25c	15c
K3910	GB-13	3	30c	18c
K3911	GB-14	4	40c	24c



## Neon Glow Lamps

Genuine G.E. neon gas lamps that glow with a brilliant orange-red radiance. Both electrodes glow on A.C. One remains dark on D.C. Operate on extremely minute current.

Used in tube checkers for inter-element short tests; in series with A.C. or D.C. for continuity, leakage, and high resistance tests. Used as pilot or signal lamp on all types of electrical circuits. Check ignition leakage in auto-radio noise elimination work. Voltages listed are minimum striking voltage; minimum operating voltage may be approximately 50 volts lower for A.C. or 20 volts lower for D.C.

- D10545**—1/4 Watt. Candelabra Base Tubular Shape Clear Bulb. 3/8" diameter. Replacement for Weston and other tube testers employing neon short tests. For 105-125 volts, A.C. or D.C.  
**YOUR PRICE, Each.....40c**  
**TEN FOR.....\$3.60**

- D10546**—1/4 Watt. Double contact bayonet base. 3/8" diam. Tubular shape clear bulb. 3/8" diameter. Used as replacement in Tube-Condenser Analyzer and other test equipment requiring a neon bulb without a resistance in the base. For 105-125 volts A.C.  
**YOUR PRICE, Each.....45c**  
**TEN FOR.....\$4.05**

- D10547**—1/2 Watt. Standard Edison medium screw base. Clear Globular Bulb, 1 1/4" diameter. Electrodes shaped like half cylinders. Approximately 5/100 candle power. For 105-125 volts A.C. only.  
**YOUR PRICE, Each.....40c**  
**TEN FOR.....\$3.60**

- D10548**—1/2 Watt. Same as above but with skirted candelabra base.  
**YOUR PRICE, Each.....45c**  
**TEN FOR.....\$4.05**

- D10549**—1 Watt. Standard Edison medium screw base. Clear Globular Bulb, 1 1/4" diameter. Approximately 5/100 candle power. Central cylindrical electrode surrounded by wire spiral electrode. For 105-125 volts A.C. or D.C.  
**YOUR PRICE, Each.....40c**  
**TEN FOR.....\$3.60**

- D10551**—1 Watt. Double contact bayonet base. Otherwise same as above.  
**YOUR PRICE, Each.....45c**  
**TEN FOR.....\$4.05**

- D10550**—1 Watt Standard Edison medium screw base. Clear Globular Bulb, 1 1/4" diameter. Electrodes shaped like half cylinders. For 200-210 volts A.C. or D.C.  
**YOUR PRICE, Each.....40c**  
**TEN FOR.....\$3.60**

- D10552**—2 Watt Standard Edison medium screw base. Clear pear shaped bulb. Diameter 1 3/4". Electrodes in shape of split disc. Approx. 1/2 candle power. For 105-125 volts A.C. or D.C. Used in tube testers. Also popular size for night-light, advertising, exit indicator, stroboscope, and signal use.  
**YOUR PRICE, Each.....50c**  
**TEN FOR.....\$4.50**

- D10553**—3 Watt Standard Edison medium screw base. Clear pear shaped bulb. Diameter 1 3/4". Electrodes in shape of split disc. For 105-125 volts A.C. or D.C. Used in tube testers. Also very popular size for night-lights, signal lamps, etc.  
**YOUR PRICE, Each.....60c**  
**TEN FOR.....\$5.40**

## Cathode Glow Neon Indicator Lamps

Used on many types of test apparatus. Clear glass cylindrical bulb, about 1/2" diameter. 1 1/2" long. Wire leads about 3/4" long. Electrodes consist of two small parallel cylinders sealed in neon gas. Operate on A.C. or D.C. average voltage break-down, 60 volts A.C. or 90 volts D.C. when no resistor is used. On D.C. only the negative electrode glows. Voltage Range 105-125 Volts. 1105-250 Volts.

Stock Num.	Nominal Watts	Resistance Supplied (in Ohms)	Ma.	Life Hours	Ea.
D10520		None (use 200,000)	.3	3,000	10c
D10521	*1/25	one 200,000 mtd. in lead	.3	3,000	14c
D10522	*1/10	one 500,000 mtd. in lead	.4	2,000	14c

## Universal Alligator Clips



Small clips with slender elongated jaws. Both screw and banana terminal connections. The barrel will also take the large end of a standard jack tip. Teeth mesh perfectly on all three sides. Rating 5 amps. Cadmium plated steel. 2 3/4" long. Jaws spread 1/2".

- K11435**—Alligator clip only less Insulators. Each, 5c. **YOUR PRICE.....44c**  
**BOX OF 10.....44c**

## Colored Rubber Insulators

For above clips. Internal recess at end of insulator snaps around tubular barrel and holds clip firmly.  
**K11445**—Red **K11446**—Black  
**YOUR PRICE, EACH 5c.**  
**BOX OF 10.....36c**

## Universal Battery and Radio Clips



No. 45—Pee Wee Clip. For Radio Test Work. Teeth on both jaws which mesh. Jaw spread 3/8". Length 1 1/2". Steel Cadmium plated. With screw.  
**K11436**—Each, 4c. **32c**  
**TEN FOR.....32c**

No. 45C—Pee Wee High Frequency Test Clip. Suitable for transmitters. Made of solid copper. Phosphor bronze spring, brass screw, entirely non-ferrous. Will not heat up in H.F. work. 1 1/2" long. 3/4" Jaw spread. 10 Amps.  
**C11497**—Each, 6c. **54c**  
**TEN FOR.....54c**

No. 48B—A small clip for "B" radio batteries and general use. Teeth on both jaws which mesh. 10 lb. spring. Jaw spread, 1/2" in. Cadmium plated.  
**K11437**—Each, 4c. **34c**  
**TEN FOR.....34c**

No. 48C—Solid Copper for High Frequency use. Size same as above.  
**C11498**—Each, 8c. **69c**  
**TEN FOR.....69c**

Type 24A—25 amp. Capacity. For radio storage "A" batteries. Teeth on one jaw and notch on the other; fits round battery post. 17 lb. spring with copper shunt. Jaw spread, 1". Lead coated. 2 3/4" long.  
**C11438**—Each, 8c. **69c**  
**TEN FOR.....69c**

Type 21A—50 amp. 33 lb. spring protected by a copper shunt. Jaw spread, 1 1/4". Steel, Lead coated. 4" long.  
**C11439**—Each, 13c. **\$1.18**  
**TEN FOR.....\$1.18**

Type 11A—100 amp. Capacity. 38 lb. spring. Jaw spread, 1 1/2" in. Lead coated, 5 1/2" in. long.  
**N11440**—**YOUR PRICE, Each.....45c**  
**NOTE.** Clips marked + and - Half and Half will be supplied unless otherwise specified.

## Rubber Insulators

For Use with Universal Battery Clips



Protect against electric shock. Furnished half red, half black to indicate polarity.

	Per Pair	Ten For
D11447—For 45—	16c	59c
D11448—For 48B—	18c	59c
D11449—For 21A—	36c	\$1.27
D11450—For 24A—	66c	2.22
D11451—For 11A—	\$1.04	3.53

## Porcelain Sockets

### For Neon Glow Lamps

### Sub-panel Mounting

Quality porcelain sub-panel socket for neon glow lamps. Top of socket mounts flush with panel. Screw terminals. Used in short checkers, continuity testers and other test apparatus.

- D11254**—Candelabra Base. **32c**  
**YOUR PRICE, Each.....32c**  
**D11255**—Edison Medium Screw Base. **20c**  
**YOUR PRICE, Each.....20c**

**Cleat Mounting**  
**D11256**—**YOUR PRICE, Each...11c**  
 Cleat mounting Edison base porcelain socket. May be mounted on baseboard for experimental work. Screw terminals.



# BATTERY CHARGERS--POWER SUPPLIES

## Gas Engine Driven AC-DC Generator

### 300 Watt Model

C16899—Delivers 110 Volts, 60 Cycle AC at 300 Watts or 6 Volts DC at 200 Watts.  $\frac{1}{2}$  HP Engine. 1 Gallon fuel tank in base for 12 to 16 hours operation. Size, 17"x16"x12" high. Wt. 103 lbs.  
**YOUR PRICE.....\$67.13**

### 450 Watt Model

C16898—Delivers 110 Volts, 60 Cycle AC at 450 Watts or 6 Volts DC at 200 Watts. Equipped with 1 HP engine. 3 Qt. fuel tank at top for 5 to 6 hours operation. Size, 17"x15"x17" high. Wt. 90 lbs.  
**YOUR PRICE.....\$101.63**

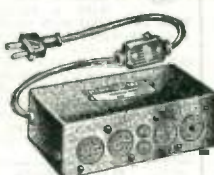
Radio Noise Filter included with above generators so that they may be used with radio sets.

Equipped with AC voltmeter, push-button starting on control panel and rope-pull auxiliary starter. Hand starting not necessary when used with 6 volt battery. The 6 volt DC output can be used to keep starting battery fully charged. Governor assures constant frequency and uniform voltage output. Sturdily constructed.



A dependable, economical source of electric power for operating sound systems, radios, lights, etc. Especially adaptable for mobile use. Both AC and DC outputs can be used at one time, providing full capacity of either is not used. DC Output terminals on panel. AC available thru BX cable connection at side. 4 Cycle, single cylinder, air-cooled gasoline driven engine.

## GTC Porta-Power Packs



For operating battery sets on 105-125 volt 50-60 cycle AC lines when testing, servicing, demonstrating, etc. Also used for converting battery sets for AC line operation. GTC Porta-Power Packs supply all voltages necessary. Ruggedly built and dependable in operation. Complete with line cord, and on-off switch. There's a model for every battery set.

### For 2 Volt Battery Sets

D16912—Model L. Supplies "A", "B" and "C" Power for 4 to 8 tube battery sets designed for 2, 2.5 or 3 volt operation. Delivers 2 volts DC at 660 Ma. for tube filaments, "B" voltages of 67½, 90, 112½ and 135 volts and 1, 2 or 3 "C" voltages from 1½ to 2½ volts as desired. "B" section can be adapted to supply 45 volts also if needed. Power consumption less than 30 watts. Has screw type terminal connections. Size: 6x3½x7".  
**YOUR PRICE.....\$720**

### For 6 and 12 Volt Sets

D16911—Model P. Converts 6 and 12 Volt Battery Sets to all-electric operation. Providing two separate 6 volt DC 1½ amp. power sources. Size: 3½x6½x5½". Wt. 8 lbs.  
**YOUR PRICE.....\$985**

### For 1.5 Volt Battery Sets

D16913—Model U. Provides "A" 1.5 V. up to 250 M.A. "B" 90 to 101 V. for 1½ V. 4 and 5 Tube battery sets. Plug-in sockets accommodate practically any type battery plug. Size 2x3½x6". Light weight—fits in cabinet in place of "A" and "B" batteries. operates in any position.  
**YOUR PRICE.....\$559**

D16914—Model G. Same as Model U above except for larger 5 and 6 tube sets including consoles. Size: 3½x6½x4".  
**YOUR PRICE.....\$676**

## New Model "C"

For use with 6 volt battery. Replaces "A" and "B" batteries in 1.4 volt portable or farm radios having from 4 to 6 tubes. Operates from 6 volt storage battery. Supplies 1.4 V. "A" at 300 MA; 90 V. "B" at 10 MA. Hum-free operation. Has six battery type sockets. Size: 3½x6½x6". Shpg. Wt. 6 lbs.  
E16930—List Price  
**YOUR PRICE.....\$882**

## Homcharger Battery Chargers



Especially designed for keeping any 6 volt automotive and home radio storage batteries fully charged. Tapered charging rate decreases as battery becomes charged—no chance of overloading battery. Attractively designed, sturdily constructed. All types are non-radio interfering. For 105-120 volt, 50-60 cycle AC operation.



**5-3 Ampere Booster**  
A16915—Includes auto steering post mounting connector and cables.  
**YOUR PRICE.....\$485**



**10 Ampere Charger**  
A16916—Heavy duty type charger. Supplies 10 amperes for fast charge. Complete with built-in ammeter, 10 ft. cable and auto dash mounting receptacle and plug.  
**YOUR PRICE.....\$1261**



**6 Ampere Charger**  
A16917—Vibrator type 6 volt storage battery charger. Self-polarizing; entirely automatic in operation. With cord, plug, car clamp and cables.  
**YOUR PRICE.....\$808**

## Globe—Union 6 Volt Radio Storage Batteries



Highest Quality materials and workmanship. Extra heavy thick plate construction. Designed especially for radio and P.A. service. Holds charge longer than other batteries of similar capacities. Equipped with handle. F.O.B. Shipping Point Near You. 16 Month guarantee.  
100 Ampere Hours.  
A18050—YOUR PRICE **\$719**  
150 Ampere Hours.  
A18051—YOUR PRICE **\$1127**  
180 Ampere Hours.  
A18052—YOUR PRICE **\$1403**

## Hydrometer



Provides accurate readings for all wet cell batteries. Large size, suitable for garage use. Octagon nozzle prevents instrument from rolling. Beaded float does not adhere to side of tube when testing. Length approx. 13".  
N11281—  
**YOUR PRICE.....32¢**  
N11282—Beaded hydrometer floats. Fit ½" tubes. Length 4½".  
**YOUR PRICE.....10¢**

## 10 Ampere Bulb Type Battery Charger

Charges 1 or 2 Batteries

D16918—Complete.  
**YOUR PRICE.....\$1775**



For 105-120 Volt, 50-60 Cycle AC Operation

A complete charger that can be taken right to the car and connected to the battery. Particularly made for the used car dealer, small or medium sized all stations, radio stores, etc. Charges batteries at the more efficient 10 ampere rate in about 6 hours. Can be used for charging either 1 or 2 batteries at once at the 10 ampere rate. Uses a bulb type rectifier providing greatest economy, life and performance. Fully guaranteed against transformer burnouts and defective workmanship or materials. Insulation in this charger is fire-proof, moisture-proof and vermin-proof. Easily replaced, plug fuse. Sturdy steel case with carrying handle, size 5½x6x8" high.

## Battery Terminal Connectors



D11456—  
PRICE, Each **22¢**  
TEN For \$1.95

Fasten to post of any auto storage battery to adapt it for use with radio set. Has binding screw for connecting lead wire.

## Stancor "A-B" Battery Power Packs

### For 6 Volt DC Operation

D16919—Pt. 138. Permits 4, 5 or 6 tube sets using 1½ Volt "A" and "B" batteries to operate from a 6 volt "hot shot", storage battery or other DC source. Provides 1.4 volt DC at 300 Ma. and 90 volts at 18 Ma. Volt filter. Has plug-in connections for battery plugs and battery clips. Relay control in pack allows "on-off" operation from battery switch on radio. Black wrinkle finished metal case. Size 5x5x2½". Ship. wt. 3½ lbs.  
**YOUR PRICE.....\$1161**



D16920—Pt. 135. As above but supplies 2 volts DC at 480 Ma. and 67, 90, 112 or 135 volts at 20 Ma. Size 5½x5x2½".  
**YOUR PRICE.....\$1226**

### For 110 Volt AC-DC Operation

D16921—Pt. 137. Permits 4, 5 or 6 tube sets using 1½ volt "A" and "B" batteries to operate on 110 volt AC or DC lines. Supplies 1.4 volts DC at 300 Ma. and 90 volts at 18 Ma. Plug-in connections. Black wrinkle finished metal case. Size 6x4½x1¾". Ship. wt. 2 lbs.  
**YOUR PRICE.....\$773**



## DC to 110 Volt AC Inverters

### With Radio Interference Filter

Operates AC radios, sound systems, small appliances, etc. from DC voltage sources. Uses ten contact dual arm vibrator with ¼" contact points assuring long life and reliable service. Includes voltage regulator, fuse protection and on-off switch. 110 volts, 60 cycle AC. Size 7½x8½x4½". (C16863 Size, 7½x9½x6½")  
Less interference filter. \*For shavers, etc.



Stock Number	Input Volts	Output Watts Max.	Watts Cont.	Your Price
C16860	6	100	75	\$17.02
C16861	12	125	100	17.02
C16862	110	250	150	17.61
C16863	110	325	225	23.23

### Compact Low Power Inverters

Less interference filter. \*For shavers, etc.

C16864	6*	20	15	\$7.93
C16865	110	75	35	10.29

## Mallory Vibrapacks

### 6 Volt DC Input



Six volt DC vibrator operated, power supplies providing a dependable source of DC plate voltage for portable radio receivers, transmitters, P.A. amplifiers, etc. Equipped with built-in noise suppressors but do not include high voltage "B" supply filter.

C16837 — VP551. Delivers 125, 150, 175 or 200 DC Volts at 100 Ma. Uses synchronous vibrator.  
**YOUR PRICE.....\$941**

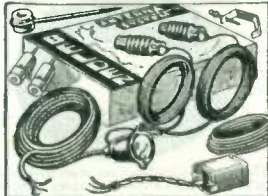
C16838 — VP552. Delivers 225, 250, 275 or 300 DC Volts at 100 Ma. Uses synchronous vibrator.  
**YOUR PRICE.....\$1147**

C16839 — VP554. Delivers 225, 250, 275 or 300 DC Volts at 100 Ma. Uses tube rectifier. Required only for applications where B— cannot be a round potential.  
**YOUR PRICE.....\$1205**



# Aerials and Accessories

## All-Wave Antenna Systems

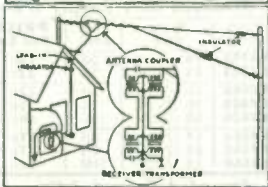


### Belden No. 8300A Clear-Channel Antenna For Amplitude or Frequency Modulated Reception

The "L" type antenna plus an additional half-doublet, shielded low loss transmission line and newly developed dual iron core transformer couplers produce clear channel reception with maximum efficiency at all frequencies from 400 to 20,000 kilocycles. Up to four radios can be operated from the same antenna.

Includes: 50' coil 7x22 enameled aerial wire 50' coil shielded transmission cable, receiver and antenna coupling transformers. 23' coil ground wire, 2-porcelain nail-on knobs, 1-porcelain insulator 6" stand-off insulator, ground clamp and instruction sheet. Lightning arrestor not necessary.

A15322—List, \$11.74. **\$6.87**  
YOUR PRICE.....



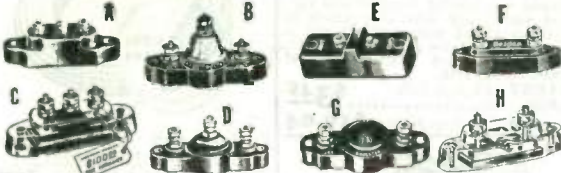
## RCA Model 395 Antenna System

All-wave doublet antenna scientifically designed to operate perfectly with all receivers. Unusually easy to install. All parts are assembled and soldered. Wide frequency range extends from 140 to 23,000 Kcs. Contents: 2—Antenna Wire Coils (each 20 ft. long); 2—Strain Insulators; 45 ft. Transmission Line; Antenna Junction Box; Receiver Coupling Unit; 2—Nail-On Knob Insulators; 1—Ground Clamp. Instructions.



C15332—RCA 395. Complete Kit. Factory Assembled. List Price, \$3.95. **\$2.32**  
YOUR PRICE.....

## Lightning Arresters



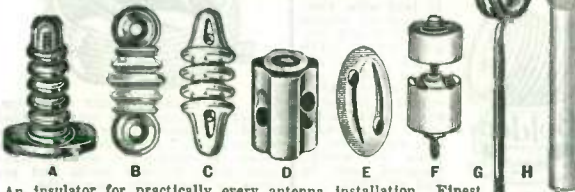
### Doublet Type

E4795—Type A—Air gap doublet arrestor. Porcelain Case. **17c**  
YOUR PRICE.....  
E4790—Type C—Neon element in place of usual air gap or resistance. Underwriters Approval. **\$1.25**  
YOUR PRICE.....  
E4793—Type D—Weatherproof and non-grounding. Black enameled porcelain. Carbon resistance. **26c**  
YOUR PRICE.....  
E4794—Type B—Single Type Lightning and static arrestor. Has choke coil and condenser acting as noise and static reducer and filter. (Not for Doublet Aerial). **59c**  
YOUR PRICE.....

### Single Type

E4796—Type E—Air gap single lead arrestor. Porcelain case. **9c**  
YOUR PRICE.....  
E4798—Type F—Bakelite case. Use inside or out of doors. **17c**  
YOUR PRICE.....  
E4774—Type G—Meets Underwriters approval. Carbon Resistor. Porcelain case. **24c**  
YOUR PRICE.....  
E4797—Type H—Base of clear glass. Carbon element held between brass conductors. Clearly visible. **82c**  
YOUR PRICE.....

## Antenna Insulators



An insulator for practically every antenna installation. Finest quality for dependable service under all weather conditions.

Stock Num.	Type Ins.	Size	Description and Type	Price Each	10 for	100 for
D4754	A	4' High	Glazed Porcelain Standoff	10c	\$0.90	\$8.50
D4770	B	3' Long	Tempered Glass Insulator	4c	.36	3.27
D4751	C	2 1/2' Long	Glazed Porcelain Insulator	4c	.34	2.95
D4752	C	4' Long	Glazed Porcelain Insulator	7c	.63	5.95
D4753	C	5' Long	Glazed Porcelain Insulator	9c	.81	7.29
D4755	D	1 1/2 x 1 1/2 x 2 1/4'	Glazed Porcelain Strain	7c	.63	5.67
D4756	E	1 1/2 x 1 1/2 x 1 1/2'	Glazed Porcelain Strain	5c	.45	3.95
D4766	F	1 1/2 x 1 1/2' H	Glazed Porcelain Nail Knob	3c	.24	1.92
D4767	G	3 1/2' Long	Glazed Porcelain Screw Eye	4c	.31	2.79
D4768	H	7 1/2' Long	Bakelite Bushing Screw Eye	5c	.39	3.35
D4750	H	1/4 ID x 3' L	Porcelain Wall Tube	2c	.18	1.62
D4765	H	1/4 ID x 6 3/4' L	Porcelain Wall Tube	2 1/2c	.20	1.80

## Zenith All-Wave Doublet Antenna



Part Num. S5000

A15940—List Price, \$5.00.

YOUR PRICE.....

**95c**

System as supplied for Zenith Radio Sets. Scientifically on both the standard broadcast and short-wave bands. Consists of 2-30 ft. lengths 7-24 tinned copper antenna wire coupled to 50 ft. rubber covered transmission cable through porcelain junction box, 2 porcelain antenna insulators, 2-5" screw eye stand-off insulators and 10 insulated staples. This antenna is excellent for FM or television reception when used according to proper specifications.

## Aerial Kits

### Standard Kit Contains:

50 ft. No. 7/26 stranded aerial wire; 30 ft. rubber covered lead-in wire; 1 approved lightning arrestor; 2 porcelain insulators; 1 ground clamp; 1 window lead-in; 2 porcelain nail knobs.

K4945—YOUR PRICE..... **58c**

### DeLuxe Kit Contains:

100 ft. No. 7/26 stranded aerial wire; 40 ft. rubber covered lead-in wire; 25 ft. ground wire; 1 standard approved lightning arrestor; 2 porcelain insulators; 3 porcelain nail knobs; 2 galvanized screw eyes; 1 window lead-in strip; 1 ground clamp; 1 instruction sheet.

K4946—YOUR PRICE..... **89c**



## Antenna Lead-In Window Strips

Duo impregnated web covered conductors. Waterproof insulation. Fits between sash and sill. 12" long.  
Stock Num. Each 10 For  
E4781—Clip Conn. 7c 65c  
E4783—Screw Conn. 9c 82c  
E4784—Rubber Covered with Clip Conn. 10c 95c

## ICA Tennescope



C9960—YOUR PRICE..... **\$1.32**

Eliminates the use of an outside aerial and ground on any midget or console radio set. Easily connected without changes in circuit wiring. No soldering necessary. For broadcast band use only. Has trimmer adjustment for proper set matching and maximum selectivity. Instructions included.

## Duplex Lead-In Strip

For transmission line lead-ins. Completely insulated. 12" long.  
Stock Num. Each 10 For  
E4776—Clip Conn. 18c \$1.62  
E4782—Screw Conn. 22c 1.95

## Mueller Ground Clamp

Reinforced frame. Teeth cut through rust and paint. Separate screw for attaching wire. Fits pipe up to 1 1/2 inches diameter.  
K4778—EACH..... **8c**  
Ten for.....72c  
Per Hundred.....\$6.48

## Aerial Eliminator



D9965—YOUR PRICE..... **\$1.32**  
Eliminates outside aerial. Built-in coil and condenser allows reception equivalent to 75 feet of aerial wire. Binding post terminals for set aerial, set ground and external ground connections. Compactly constructed for installation in receiver cabinets. Size 5x2 1/2x1".

## Antenna Spring Tightener

Takes up slack in Aerial. K4779—Complete with insulator. EACH..... **10c**

## Vertical Mast Antenna

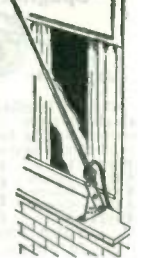
Eliminates all overhead wires. Requires little space. Easy to erect. Universal mounting bracket may be installed on vent pipe, window frame, chimney, gables, cornices, wall copings, etc. Sturdily constructed. 4 Section nickel-plated brass metal mast extends to 12 feet. Guaranteed rust-proof. Includes attaching clamps, screws, 40 ft. lead-in wire, lightning arrestor, and 10 ft. ground wire.  
D15902—List Price, \$5.75. **\$3.38**  
YOUR PRICE.....

D15904—Same as above but less lead-in, ground wire and arrestor. Includes mast with attaching bracket and clamps. List Price, \$5.25. **\$3.09**  
YOUR PRICE.....

## Window Pole Aerial

A beautifully nickel plated telescopic window aerial. Especially suited for use in apartment buildings, homes, offices, etc. Ideal for radio demonstration purposes. Mast may be tilted to any angle. Very efficient on short wave bands. Requires only two screws for installation on any wood window sill. Mast sections are made of rust proof brass, highly nickel plated. Sturdy insulator. Includes window lead-in strip and screws.  
D15900—With 3 telescopic sections adjustable to 8 feet. List Price, \$5.00. **\$2.94**  
YOUR PRICE, Each.....

D15901—With 4 telescopic sections adjustable to 12 feet. List Price, \$5.75. **\$3.38**  
YOUR PRICE, Each.....





# Lead-In WIRE Aerial

Prices on Electrical wiring material subject to market change

## Single Braid Rubber Covered Building Wire



Underwriter's Approved  
Flame Retarding  
Moisture Resistant

A high quality code building wire suitable for home and factory wiring. Solid tinned conductor code rubber insulation. Will not fray or push back. Easily stripped clean. Uniform quality. Slick finish, easily pulled through rigid or thin wall conduit.

Stock Num.	Wire Size	Braid Color	Your Price 100 Feet	1000 Feet	Per M Ft. In 2500 Ft. Lots
E16600	14	Black	89¢	\$8.05	\$7.30
E16601	14	White			
E16602	14	Red			
E16603	12	Black	\$1.25	\$11.00	\$10.00
E16604	12	White			
E16605	10	Black	\$1.85	\$16.40	\$14.90
E16606	10	White			
E16607	8	Black	\$2.98	\$26.85	\$24.40
E16608	8	White			

## Heavy Rubber Cord



Use for extension cables that get hard wear. Two conductor size 18, 41 strands of size 34 wire. Individual wires rubber insulated and color coded, cotton wrapped and covered with heavy rubber over overall. Overall dia. .310".

**E16629—Ten feet for 36¢**  
**YOUR PRICE, Ten feet for 100 ft. for \$3.30**  
**E16630—Extra Heavy Duty** similar to above but has heavier covering of .335" overall dia.  
**YOUR PRICE, Ten feet for 100 ft. for \$4.95**

## Rubber Lamp Cord



New flexible rubber jacketed two conductor cord. Splits exactly down the center when pulled apart leaving two perfect separate conductors. Conductors are size 18 stranded copper wires with a cotton wrap and individual solid rubber coverings.

Stock Number	Color	10 feet for	100 feet for
E16533	Black		
E16534	Brown		
E16535	Green		
E16536	Ivory		
		<b>20¢</b>	<b>\$1.80</b>

## Stick Tape Aerial



For Interior and Auto Use.  
**E4833—1 lb. \$1.00.**  
**YOUR PRICE 35¢**  
10 for \$3.20

Sticks on any surface. Metallic alloy of great capacity adhesive rubber coating on back. Clip terminal. Easily installed. 40 feet to the roll.

## Giant Spaghetti

For Insulating Resistors, etc.



**E48029—3 Ft. Length 18¢**  
10 for \$1.62

Cambic tubing. To insulate resistors, 1,000 ohm insulation. Withstands 350° F. 3/8" diameter, 3 ft. lengths.

## "Spaghetti" Tubing



Takes Up to #14 Wire  
30-inch lengths. The best quality spaghetti made. Made of high grade cambic tubing impregnated with high insulation transparent varnish.  
E4820—Black E4825—Blue  
E4821—Yellow E4826—White  
E4822—Brown E4827—Gray  
E4823—Green E4828—Maroon  
E4824—Red  
**YOUR PRICE 63¢**  
10 lengths for..

## Non-Metallic Sheathed Cable

Moisture and Fire Resistant



Approved by Underwriter's. Meets code requirements in most cities and can be used instead of BX or Conduit to save time and labor. Especially recommended for farm wiring. Very flexible, will take right angle bends without cracking.

Stock Num.	Wire and Size	Per Ft.	Per 100 ft.	Per 1000 ft.
E16744	2-14	4¢	\$3.75	\$33.75
E16745	2-14	6¢	5.95	56.50
E16746	2-12	5¢	4.95	46.30
E16747	3-12	8¢	7.75	73.40
E16748	2-10	7¢	6.75	63.90

## Special Combinations



Contains four 25 foot coils of tinned, copper hook-up wire with cellulose acetate wrap. Colors black, red, yellow, green. Transparent dustproof container.

SOLID			
Stock Number	Number Feet	Wire Size	YOUR PRICE
E4385	100	20	65¢
STRANDED			
E4386	100	20	88¢

## Wire Stripper

**E11690—YOUR PRICE..... 12¢**  
Strips insulation from radio wires easily and cleanly. Saves time. Cutting edge of tempered steel that will retain its hardness and last for years.

## Tinned "Bus" Wire

No. 14. Cut into two-foot lengths. Makes rigid neat job. Can be used bare or covered with spaghetti. Hand drawn copper. Round.  
Ten Lengths. (20 feet) for.. **16¢**  
100 lengths (200 feet)..... **\$1.44**

## Indoor Aerial Wire

For A.C., D.C. and Midget Sets  
**YOUR PRICE 10¢**  
**E4831—25 foot coil.**  
**E4832—100 foot coil.**  
**YOUR PRICE 33¢**  
Extremely flexible. A well insulated stranded conductor is covered with a brown cotton braid. Will not kink and can be easily concealed. Also suitable for loop aerials.

## BELDEN Twisted Pair Lead-in



### RUBBER COVERED

With Cotton Braid Overall

Each conductor is of No. 20 (10x30) stranded tinned copper wire, lateral paper wrapped, a rubber covered, twisted together and a heavy weather-proof impregnated cotton braid overall.

**E4591—50 Ft. Roll. 89¢**  
**YOUR PRICE**  
**E4592—100 Ft. Roll. \$1.65**  
**YOUR PRICE**  
**E4593—500 Ft. Roll. \$7.59**  
**YOUR PRICE**  
**TRANSMISSION LINE CABLE**  
**Superior Quality**



For the majority of all-wave receivers and of any half-wave di-pole antenna. Conductors are size 18 stranded. Insulation is cotton wrapped, over which is a rubber sleeve. Two such conductors, color coded, are twisted together and covered with a weather-proofed cotton braid over-all.

**E4555—75 foot Coil. \$175**  
**EACH**  
**E4556—500 foot Spool. \$10.33**  
**SHIELDED TWISTED PAIR**  
**Superior Quality**



Conductors are size 18 stranded. Insulation is cotton wrapped and color coded rubber covered. Two such conductors are twisted together and covered with paper wrap over which is a woven tinned copper shield and a weather-proofed over-all cotton braid. This is the most efficient type of transmission line.

**E4557—75 foot Coil. \$345**  
**EACH**  
**E4558—500 foot Spool. \$19.04**



**SHIELDED SOLID ENAMELED Cotton Braid Over Conductors**  
Each conductor is of No. 19 solid enameled copper wire, cotton served and covered with an impregnated cotton colored braid. Conductors are twisted together and a bare copper shield is tightly woven overall.  
**E4594—50 Ft. Roll. \$135**  
**YOUR PRICE**  
**E4595—100 Ft. Roll. \$2.42**  
**YOUR PRICE**  
**E4596—500 Ft. Roll. \$11.26**  
**YOUR PRICE**

## Belden Test Prod Lead Wire Flexible and Kinkless

Extra flexible No. 18 lead wire. Consists of 35 strands No. 36 tinned copper wire with wrap of cellophane and a wall of durable rubber insulation overall. Will withstand highest voltages encountered in radio test work. Supplied only in Red or Black.

**E4425—14 foot spool. Consists of 14 ft. of red and 7 ft. of black wire.**  
**YOUR PRICE 33¢**

**100 Foot Rolls**  
**E4423—Red. Your**  
**E4424—Black Pr., Ea. \$1.57**  
**Pigtail Wire**

**E4834—10 foot. List Price, 45¢.**  
**YOUR PRICE 25¢**  
A braided wire cable made up of very fine threads of copper wire, which gives it extreme flexibility. Use it to avoid high frequency resistance losses.

## Belden Antenna Wire



The dependable Belden standard product. Guaranteed quality, sizes, lengths.

### Stranded Bare Copper Wire

Stock Num.	Wire Size	Coil Feet	PRICE Per Coil
E4700	18 (7x26)	50	16¢
E4703	18 (7x26)	75	22¢
E4668	16 (7x24)	50	22¢
E4669	16 (7x24)	75	31¢
E4670	16 (7x24)	100	40¢
E4664	14 (7x22)	50	31¢
E4665	14 (7x22)	75	47¢
E4666	14 (7x22)	100	60¢

### Stranded Enameled Copper Wire

Stock Num.	Wire Size	Coil Feet	PRICE Per Coil
E4720	18 (7x26)	100	41¢
E4721	16 (7x24)	100	55¢
E4632	14 (7x22)	75	64¢
E4653	14 (7x22)	100	82¢
E4654	14 (7x22)	150	\$1.25
E4650	12 (7x20)	100	\$1.47

### Solid Enameled Copper Wire

Stock Num.	Wire Size	Coil Feet	PRICE Per Coil
E4730	14	100	67¢
E4729	12	100	99¢
E4733	14	500	\$3.18
E4732	12	500	4.84
E4731	10	500	7.46

## Belden All-Rubber Wire For Lead-Ins and Grounds



Insulated with special rubber compound which strips easily.

Stock Number	Equiv. Size	Feet in Coil	Your Price
E4387	20	500	\$2.08
E4388	20	1000	3.95
E4440	18	100	.67
E4441	18	500	2.57
E4436	16	50	.43
E4437	16	100	.74
E4438	16	250	1.77
E4439	16	500	3.36
E4434	14	50	.59
E4435	14	250	2.74

## Shielded Lead-In and Ground Wire



Size 16 stranded inner conductor. Rubber insulated with outer braided shield of tinned copper wire. When used as lead-in, by grounding the outer shield, the tendency to pick up man-made static between aerial and receiver is practically eliminated.

**E4585—50 foot coil. 96¢**  
**E4587—250 foot coil. \$4.50**  
**EACH**

## Belden Shielded Grid Wire

For grid leads. Neat, compact overall size. Very flexible tinned conductor size 18 stranded. Covered with .025" rubber over which is fine woven tinned copper wire shield.  
**E4550—100 foot Coil. \$1.63**  
**YOUR PRICE**



# Hook-Up WIRE Magnet

## Push-Back Hook-Up Wire



Tinned copper conductors, cotton served and covered with an outer Waxed damp-proof cotton braid. This is the style wire mostly used on factory production sets. For making a soldered connection, just push back the insulation, solder and slide insulation back up to joint. Makes neat smooth job. Excellent value. Superior quality. All standard R.M.A. colors for every wiring job.

### Solid Copper Core

Num. 22			Num. 20			Num. 18		
25 Ft.	Lengths	100 Ft.	25 Ft.	Lengths	100 Ft.	25 Ft.	Lengths	100 Ft.
Stock Num.	Braid Color	Stock Num.	Stock Num.	Braid Color	Stock Num.	Stock Num.	Braid Color	Stock Num.
C4100	Red	C4109	C4309	Red	C4318	C4345	Red	C4354
C4101	Yellow	C4110	C4310	Yellow	C4319	C4346	Yellow	C4355
C4102	Blue	C4111	C4311	Blue	C4320	C4347	Blue	C4356
C4103	Green	C4112	C4312	Green	C4321	C4348	Green	C4357
C4104	Black	C4113	C4313	Black	C4322	C4349	Black	C4358
C4105	Brown	C4114	C4314	Brown	C4323	C4350	Brown	C4359
C4106	White	C4115	C4315	White	C4324	C4351	White	C4360
C4107	Gray	C4116	C4316	Gray	C4325	C4352	Gray	C4361
C4108	Maroon	C4117	C4317	Maroon	C4326	C4353	Maroon	C4362
PRICE EACH		PRICE EACH	PRICE EACH		PRICE EACH	PRICE EACH		PRICE EACH
15¢		45¢	16¢		54¢	21¢		71¢
10 Rolls for \$1.35		10 Rolls for \$4.05	10 Rolls for \$1.44		10 Rolls for \$4.86	10 Rolls for \$1.89		10 Rolls for \$6.39

### Stranded Copper Core

Num. 22 (7x30)			Num. 20 (10x30)			Num. 18 (16x30)		
25 Ft.	Lengths	100 Ft.	25 Ft.	Lengths	100 Ft.	25 Ft.	Lengths	100 Ft.
Stock Num.	Braid Color	Stock Num.	Stock Num.	Braid Color	Stock Num.	Stock Num.	Braid Color	Stock Num.
C4118	Red	C4127	C4327	Red	C4336	C4363	Red	C4372
C4119	Yellow	C4128	C4328	Yellow	C4337	C4364	Yellow	C4373
C4120	Blue	C4129	C4329	Blue	C4338	C4365	Blue	C4374
C4121	Green	C4130	C4330	Green	C4339	C4366	Green	C4375
C4122	Black	C4131	C4331	Black	C4340	C4367	Black	C4376
C4123	Brown	C4132	C4332	Brown	C4341	C4368	Brown	C4377
C4124	White	C4133	C4333	White	C4342	C4369	White	C4378
C4125	Gray	C4134	C4334	Gray	C4343	C4370	Gray	C4379
C4126	Maroon	C4135	C4335	Maroon	C4344	C4371	Maroon	C4380
PRICE EACH		PRICE EACH	PRICE EACH		PRICE EACH	PRICE EACH		PRICE EACH
16¢		51¢	17¢		59¢	23¢		83¢
10 Rolls for \$1.44		10 Rolls for \$4.59	10 Rolls for \$1.53		10 Rolls for \$5.31	10 Rolls for \$2.07		10 Rolls for \$7.47

## Belden Hook-Up Wire



### Cellulose Acetate Push-Back

Attractive high gloss lacquer covered. Tinned copper conductor with heavy cellulose acetate wrap and basket-weave abrasion proof lacquered rayon outer braid. 1550 Volt insulation.

### Rubber Push-Back

6900 Volt Insulation. Tinned copper conductor with cotton wrap, .010" rubber insulation and basket-weave abrasion proof lacquered rayon outer braid.

Solid			Stranded			Number 20		
25 Ft.	Lengths	100 Ft.	25 Ft.	Lengths	100 Ft.	25 Ft.	Lengths	100 Ft.
Stock Num.	Braid Color	Stock Num.	Stock Num.	Braid Color	Stock Num.	Stock Num.	Braid Color	Stock Num.
D4560	Red	D4572	D4565	Red	D4615	D4640	Red	D4635
D4561	Black	D4573	D4566	Black	D4616	D4641	Black	D4636
D4562	Green	D4574	D4567	Green	D4617	D4642	Green	D4637
D4563	Blue	D4575	D4568	Blue	D4618	D4643	Blue	D4638
D4564	Yellow	D4576	D4569	Yellow	D4619	D4644	Yellow	D4639
25 Ft. ROLLS EACH		100 Ft. ROLLS EACH	25 Ft. ROLLS EACH		100 Ft. ROLLS EACH	25 Ft. ROLLS EACH		100 Ft. ROLLS EACH
20¢		64¢	23¢		71¢	27¢		82¢
Number 18			Number 18 (16x30)			Stranded		
25 Ft.	Lengths	100 Ft.	25 Ft.	Lengths	100 Ft.	25 Ft.	Lengths	100 Ft.
Stock Num.	Braid Color	Stock Num.	Stock Num.	Braid Color	Stock Num.	Stock Num.	Braid Color	Stock Num.
D4577	Red	D4582	D4620	Red	D4625	D4645	Red	D4685
D4578	Black	D4583	D4621	Black	D4626	D4646	Black	D4686
D4579	Green	D4584	D4622	Green	D4627	D4647	Green	D4687
D4580	Blue	D4585	D4623	Blue	D4628	D4648	Blue	D4688
D4581	Yellow	D4614	D4624	Yellow	D4629	D4649	Yellow	D4689
25 Ft. ROLLS EACH		100 Ft. ROLLS EACH	25 Ft. ROLLS EACH		100 Ft. ROLLS EACH	25 Ft. ROLLS EACH		100 Ft. ROLLS EACH
25¢		75¢	25¢		82¢	27¢		85¢

## Belden Heavy Rubber Push-Back



Stranded tinned copper conductor with "X" rubber insulation and basket-weave abrasion proof lacquered rayon outer braid.

### 10,000 Volt Insulation Number 18 (16x30) Stranded

25 Ft. Rolls			100 Ft. Rolls	
Stock Num.	Your Price	Braid Color	Stock Num.	Your Price
D4690	<b>34¢</b> <b>EACH</b>	Red	D4676	<b>\$124</b> <b>EACH</b>
D4691		Black	D4677	
D4692		Green	D4678	
D4693		Blue	D4679	
D4694		Yellow	D4680	

## Serviceman's Magnet Wire

Every serviceman should have an assortment of magnet wire in his workshop. These convenient sized spools eliminate the necessity of buying more wire than is actually needed. Finest quality. Excellent for rewinding relays, short wave and transmitting coils, small motors, small field coils, etc. Wire is wound on spools marked with type and size. Number of feet of wire included on each spool is given below.

YOUR PRICE EACH, Any Spool..... **20¢**



Plain Enameled			Double Cotton			Single Cotton Enamel			Double Silk		
Stock Num.	Feet Per Spool	Wire Size	Stock Num.	Feet Per Spool	Wire Size	Stock Num.	Feet Per Spool	Wire Size	Stock Num.	Feet Per Spool	Wire Size
C4257	25	14	C4271	25	14	C4225	21	14	C4285	19	14
C4258	40	16	C4272	35	16	C4226	33	16	C4286	25	16
C4259	50	18	C4273	45	18	C4227	42	18	C4287	31	18
C4260	90	20	C4274	60	20	C4228	60	20	C4288	42	20
C4261	140	22	C4275	81	22	C4229	81	22	C4289	60	22
C4262	200	24	C4276	110	24	C4230	110	24	C4290	85	24
C4263	300	26	C4277	150	26	C4231	148	26	C4291	101	26
C4264	450	28	C4278	175	28	C4232	168	28	C4292	120	28
C4265	600	30	C4279	200	30	C4233	192	30	C4293	141	30
C4266	800	32	C4280	220	32	C4234	216	32	C4294	165	32
C4267	1200	34	C4281	250	34	C4235	242	34	C4295	190	34
C4268	1600	36	C4282	275	36	C4236	266	36	C4296	220	36
C4269	2000	38	C4283	294	38	C4237	294	38	C4297	243	38
C4270	2500	40	C4284	325	40	C4238	325	40	C4298	275	40

## Belden Magnet Wire

Finest quality. Uniform. Carefully inspected insulation. One continuous length only on each spool. Sizes are exact standard B & S gauge. Specifications conform to those given by leading manufacturers for radio apparatus, motor and generator windings, etc. Guaranteed. Quality considered, our prices represent the very best values obtainable.



Plain Enameled			Double Cotton Cov.		
Size	Stock Num.	Your Price	Size	Stock Num.	Your Price
14	C4455	31¢	14	C4483	36¢
16	C4456	33¢	16	C4484	39¢
18	C4457	34¢	18	C4485	40¢
20	C4458	34¢	20	C4486	42¢
22	C4459	36¢	22	C4487	45¢
24	C4460	38¢	24	C4488	51¢
26	C4461	39¢			
28	C4462	42¢			
30	C4463	47¢			
32	C4464	28¢			
34	C4465	31¢			
36	C4466	36¢			
38	C4467	47¢			
40	C4468	70¢			

## Filament Lead Wire



Size 14 stranded tinned copper wire; double wrap of celanese braid; paraffin. Furnished in red or black. Carries heavy currents with minimum voltage drop.

25' Spool	100' Spool
E4381 Red	E4383 Red
E4382 Blk	E4384 Blk
YOUR PRICE.... <b>39¢</b>	YOUR PRICE... <b>\$137</b>

## Belden Color Rubber Hook-Up Wire

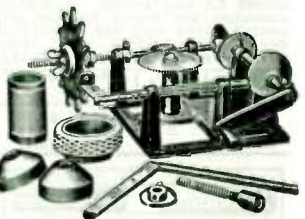
Finest quality color coded rubber covered hook-up wire. Stranded tinned copper conductor equivalent size 20 (16 strand No. 30 wire). .025" colored rubber insulation, waxed.



25 foot coils	Color	100 foot coils
A4428	Red	A4400
A4431	Black	A4401
A4429	Green	A4402
A4430	Blue	A4403
A4432	Yellow	A4404
A4433	Brown	A4405

EACH, **19¢** | EACH, **65¢**

## DeLuxe Coil Winder



K11691—YOUR PRICE **\$5.10**

For winding Honey Comb, Spider Web and Solenoid Coils of different widths and diameters. Will use wire of different gauges. Accurate coils can be made. Equipped with necessary accessories for winding various types of coils. Has a recorder with adjustable pointer for counting number of turns.



# Public Address **WIRE** Auto Radio

## Belden High Quality Cables

Extraordinary High Quality Cables made by "Belden" one of the largest wire manufacturers, noted for the quality of their products. Only the best quality pure copper wire and the highest grade insulating materials are used. The construction of these cables eliminates all possibility of chafing between the single conductors or shield and insures the longest possible life. This cable is far superior. No finer cable is made.



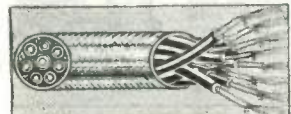
### Glazed Braid Overall

Particularly recommended for Connection of Magnetic and Dynamic Speakers on Indoor Installations where cable will not be subject to wear. Also for use as battery cables.

Each conductor size 20 stranded tinned copper wires, paper wrapped for flexibility and quick soldering. .02" rubber insulated. Each covering is distinctively colored for easy tracing. Individual conductors are cabled together and covered with brown glazed abrasion proof "basket-weave" braid overall. Very Flexible.

Stock Number	Num. Cond.	10 feet for	100 feet for
K16502	3	29¢	\$2.28
K16503	4	34¢	2.82
K16504	5	39¢	2.43

For Single Conductor use fixture cord or hook-up wire. For Two Conductor use lamp cord or twisted pair transmission line.

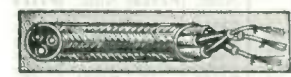


### Analyzer Cable

6, 7, 8 and 9 Conductor

Has Two Heater Leads of size 16 Stranded Tinned Copper Wire with .031" rubber insulation. Balance of conductors are size 20 with .020" rubber insulation. All conductors are color coded. Paper wrapped for flexibility and quick soldering. Individual conductors are cabled together and covered overall with a glazed brown abrasion proof "basket-weave" braid. The flexibility and long life of the cable are greatly increased by the Jute Filler Center.

Stock Number	Num. Cond.	5 feet for	10 feet for	100 feet for
K16508	6	29¢	54¢	\$4.88
K16509	7	34¢	63¢	5.53
K16510	8	42¢	79¢	6.76
K16511	9	44¢	83¢	7.32



### Shielded Covering Overall

Particularly recommended for Microphone and other lines that are subject to hum pickup.

Each conductor size 20 of stranded tinned copper wires, paper wrapped for flexibility and quick soldering 1/64" rubber insulated and lacquered braid covered. Each covering is distinctively colored for easy tracing. Individual conductors are cabled together and covered overall with woven shield of fine size tinned copper wires. Very flexible. Perfect Electrostatic Shield.

Stock Number	Num. Cond.	10 feet for	100 feet for
K16512	2	39¢	\$3.24
K16513	3	49¢	4.11
K16514	4	59¢	5.12



### Armored Speaker Cable

Two conductor size 18—(41 strands No. 34) cotton wrapped, a rubber wall paper wrap and overall tinned steel armor. Size, .155"x.260". Particularly recommended for speaker extension on Public Address Systems, Radio sets, etc.

A16550—10 Feet for ... **37¢**  
250 feet for \$6.94



### Rubber Jacket Overall

Particularly recommended for Speaker Lines for Indoor or Outdoor Installations where cables will be subjected to wear and moisture.

Two and three conductor cable size 18 (41 strands No. 34) of tinned copper wires, cotton served, 1/64" rubber insulated. Four and five conductor cable of size 18 (41x34) and balance size 20 (10x30). Individual conductors are color code and cabled together with a jute filler. Cotton served and enclosed in outer waterproof super service rubber jacket overall. Extremely flexible.

Stock Number	Num. Cond.	10 feet for	100 feet for
K16515	2	38¢	\$3.04
K16516	3	49¢	3.98
K16517	4	63¢	5.04
K16518	5	78¢	6.23



### Woven Shield Covered With Rubber Jacket Overall

The Finest Cable made. Very Flexible. Will stand hardest use.

Each conductor size 20 (28 strands No. 34) of tinned copper wires cotton served and 1/64" rubber insulated. Each covering is distinctively colored for easy tracing. Individual conductors are cabled together, cotton served, and covered overall with close woven shield of fine size tinned copper wire. Over shield is another cotton serve and an outer super-rubber rugged jacket providing a waterproof practically wear-proof covering.

Stock Number	Num. Cond.	10 feet for	100 feet for
K16521	2	\$0.74	\$5.95
K16522	3	1.07	8.33
K16523	4	1.02	8.10
K16524	5	1.27	10.15
K16525	6	1.65	13.19
K16526	7	1.78	14.20



### Low Capacity Shielded Mike and Auto Aerial Lead-in Cable

Rubber Jacket Overall

Absolutely essential for high impedance circuits. Prevents loss of signal in cable when used for microphone to grid inputs, auto aerial lead-in circuits, etc. Single size 26 conductor consists of combination stranding of tinned copper and phosphor bronze wire for extra flexibility and tensile strength. Conductor is covered by low capacity rubber core with celanese braid covered by tinned copper shielding with double celanese wrap and rubber jacket overall. Fully water-proof. Capacity per foot, 29 Mmfd. Outside dia., .215".

D16529—100 feet for \$5.43  
100 feet for \$5.43

D16527—Same as above except has 25 Mmfd. capacity per foot. Outside diameter, .245".  
Ten feet for \$6.95  
100 feet for \$75¢

### Heavy Duty Cable

D16530—Consists of single size 20 tinned stranded copper conductor otherwise same as above. Fully waterproof and very rugged. Cap. per foot 44 Mmfd. Outside dia., .260".  
Ten feet for \$4.71  
100 feet for \$4.71

### For Photo Pick-ups

D16531—Shielded phonograph pick-up wire with cotton braid overall. Size 20 conductor. Cap. per foot 55 Mmfd. Outside dia., .160".  
Ten feet for \$2.34  
100 feet for \$2.34

## Belden PA and Communication System Cables

For Inside or Outside Use



### With One Shielded Conductor

Consists of size 19 solid tinned copper conductors each with 3/8" rubber insulation and color coded waxed cotton braid. Conductors are cabled together with fillers and covered overall with weatherproofed impregnated cotton braid for indoor or outdoor use. Tinned woven copper shield on one conductor.

D16540—Two Conductor. One shielded, one plain .315" O.D.  
10 feet for ..... **53¢**  
500 feet for \$21.91

D16541—Three Conductor. Two plain, one shielded. .380" O.D.  
10 feet for ..... **67¢**  
500 feet for \$27.89

### Amphenol Co-Axial Cable



A concentric transmission line for carrying high frequency power. Especially adaptable for use as microphone cable, shielded high frequency leads in short-wave receivers, transmitter wiring and as antenna lead-ins for both receiver and transmitter. #12 solid copper wire is insulated from woven shield with beads made of Amphenol "912-A" pure polystyrene insulation. Two cotton braided coverings over shield are lacquered to repel moisture and prevent abrasion. Outside diameter .875". Radius of maximum bend 1". Impedance 72 Ohms. Loss per 1,000 ft., 1.75DB. Inductance per ft., .1 microhenry. Capacity per ft., 11.5 mmf. Resistance per ft., .024 ohms. Conductance per ft., .092x10-16 ohms. (All measurements made 1,000,000 c.p.s.) Net wt. 1 oz. per ft.

A16599—YOUR PRICE, Per foot ... **29¢**

The above cable is available with other various smaller sized conductors or with copper tubing shield at no extra cost and also with synthetic resin outer covering at slightly higher cost. Also available in two-conductor type for balanced transmission lines.

### Belden Rubber Covered Co-Axial Cable

Similar to above except has porcelain beads and rubber covering overall. Outside diameter .485". Impedance 73.9 ohms. Capacity per ft., 17.7 mmfd, at 1500 Kc.

C16598—Per Foot..... **41¢**  
100 Ft. Coll. Price, \$34.21

### Amphenol Cable Connectors

For Co-Axial Cables

Fits Belden and Amphenol Co-Axial cable. Polisher nickel finish. Connections fastened with locking ring.

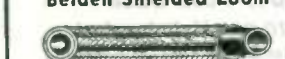
Type	Stock Number
With coupling ring	12000 12003
With coupling thrd.	12001 12004

YOUR PRICE, Each Piece..... **88¢**

Chassis Connector | 12002 | 12005

YOUR PRICE, Each Piece..... **73¢**

### Belden Shielded Loom



Finely woven tinned copper shielding over impregnated loom. Provides low capacity shielding for auto antenna lead-ins.

	Inside Dia.	10 feet for	50 feet for
D16614	1/4"	57¢	\$2.37
D16615	3/8"	73¢	3.12

## Belden Automotive and Auto Radio Cables and Shielding

Shielded Low Capacity Cable



### Without Rubber Jacket

For auto antenna lead-in and other high impedance circuits where a low-loss cable is essential for best performance. Consists of size 20 (10x30 tinned) stranded copper conductor with cotton wrap, heavy solid rubber core insulation with celanese braid and closely woven tinned copper shielding overall. Outside diameter, .225". Capacity between conductor and shield, 27 mmf.

C16548—10 feet for ..... **56¢**  
100 feet for \$4.36

### With Rubber Jacket Overall

As above but with moisture proofing rubber jacket overall. Very rugged. Outside diameter, .290".  
C16547—10 feet for ..... **73¢**  
100 feet for \$5.72

### Shielded Ignition Cable



7 M/M shielded secondary high tension wire. For leads from plugs to coil, distributor to coil, etc. Conductor consists of size 16 (19x29) tinned copper wire, over which is covering of lacquered high tension rubber compound and a specially impregnated cotton braid. Overall is woven shielding of tinned copper wire. Very flexible.

R16613—10 feet for ..... **\$110**

D16614—Unshielded. As above but without copper shielding.

Ten feet for ..... **92¢**

100 feet for \$7.33

D16612—Shielded Commercial Grade Spark Plug Ignition Wire. Tinned copper shielding.

Ten feet for ..... **99¢**  
100 feet for \$7.95

### Shielded Automotive Primary Wires



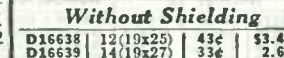
Suitable for automotive and other low voltage, high current circuits. Consists of stranded tinned copper conductor with cellophane wrap, rubber insulation, lacquered glazed cotton outer braid and finely woven copper shield overall.

Stock Num.	Wire Size	10 ft. for	100 ft. for
D16635	12(19x25)	54¢	\$4.45
D16636	14(19x27)	44¢	3.53
D16637	16(19x29)	36¢	2.88

### Without Shielding

Stock Num.	Wire Size	10 ft. for	100 ft. for
D16638	12(19x25)	43¢	\$3.41
D16639	14(19x27)	33¢	2.64
D16640	16(19x29)	25¢	2.02

### Copper Shielding



Forms perfect electrostatic and interference shield for wires. Very flexible; can be expanded or reduced in diameter and length by pushing together or stretching. Diameters give provide a shielding coverage of 80 to 85%.

### Individual Wires Tinned

Stock Num.	For Wire	Inside Diam.	10 ft. for	50 ft. for
D16619	1/4"	1/4"	15¢	\$0.62
D16620	1/2"	1/2"	25¢	.93
D16621	3/4"	3/4"	39¢	1.60
D16623	1"	1"	1.08	4.39



# Popular Service Items

## Shield Grid Caps



Type A Type B Type C  
For standard glass, all-metal and "G" type tubes. Made of spring steel to insure close contact with terminal. Cadmium plated.

**Standard Glass Octal Base**  
A11411 Type A A11413  
A11412 Type B A11414  
C11409—Type C  
100 for \$1.10, 10 for.... **12¢**

## Insulated Grid Cap



Special spring bronze grid cap with soft rubber insulating cover. Attached 12" rubber covered wire lead.  
A11422—Standard Glass Tubes.  
A11423—Octal Tubes.  
Your Price, Each... **9¢**

A11424—866 Rect. YOUR PRICE, Each... **16¢**

## Double Grid Clip



Permits grid cap connections to be made on both the regular glass bulb type and new octal base tube caps. Housed in a bakelite case. Completely insulated. Fitted with 12" lead and tip plug. List price, 30¢.

R11416—Red  
R11416—Black  
YOUR PRICE, EACH... **21¢**

## Mueller Insulated Grid Clip Assembly



Insulated clip on 9" flexible wire lead with phone tip on other end. Clip fits grid caps of all tubes. Used on many new tube checkers.

C11408 PRICE, Each **15¢** Ten for \$1.30

## Contact Terminal Strip and Plug



C12352—Plug Each... **6¢** Ten for 55¢

For speakers, radio, P.A., etc. Spring contacts, 1/4" dia. mtd. on Bak. Strip.

Stock Number	Number Contacts	Price Each	Ten for
C12353	2	11¢	\$0.99
C12354	3	14¢	1.26
C12355	4	17¢	1.53
C12356	5	21¢	1.89
C12357	6	24¢	2.16
C12358	7	27¢	2.43
C12359	8	29¢	2.61

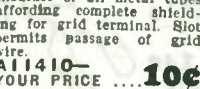
## Coil Shield with Base



Shield is 2 1/2" inside diameter x 4 1/2" overall height. Grid lead hole in wall near top. Bases have oblong mounting holes to fit either 1 1/8" or 1 1/4" socket centers. Bright Aluminum finish.

R11760—YOUR PRICE... **22¢** Ten for \$1.98

## Grid Cap Shields For Metal Tubes



Fits firmly over top shoulder of all metal tubes affording complete shielding for grid terminal. Slot permits passage of grid wire.

A11410—YOUR PRICE... **10¢**

## New Close Fitting Ventilated Tube Shields



For 55, 57, 58, 6A7, etc., Small Diameter Dome Shaped Tubes  
Ventilated shield has three formed ribs which press against the side of the tube to hold it rigidly—dampens vibration and microphonic disturbances. Natural finish aluminum metal. A wide range of base mounting sizes. Cap height 1 1/4" slotted for grid lead. Shell diameter 1 1/2", height of body 3", chimney extension 3/4". Overall height assembled 4 1/4".

Aluminum Stock Number	Base Mounting Centers	Price Each
K11767	1 1/4"	<b>15¢</b>
K11768	1 1/2"	
K11769	1 3/4"	

## Standard Type Ventilated Tube Shields

For 55, 57, 58 Tubes  
Improved Non-Rattle Type  
Ventilated shield has three formed ribs which press against the side of the tube to hold it rigidly—dampens vibration and microphonic disturbances. A wide range of base mounting sizes. Cap height 1 1/4", shell diameter 1 1/2", height 3 1/4", overall height assembled 4 1/4".

Aluminum Stock Num.	Base Mounting Centers	Price Each
K11770	1 1/4"	<b>15¢</b>
K11771	1 1/2"	
K11772	1 3/4"	

Price Each  
**15¢**

## Sub Panel Sockets



Wafer Type  
With Tube Locating Ring  
Midsize

Tubes easily and quickly inserted. Firm positive contacts. With mounting holes 1 1/8" inch centers. Overall length 1 1/2". Width 1 1/4".

Stock Number	Number Prongs	Price Each	Ten For
K12172	4	<b>5¢</b>	<b>45¢</b>
K12173	5		
K12174	6		
K12175	7		
K12176	8 (Octal)	<b>5¢</b>	<b>45¢</b>
K12195	8 (Loktal)		

**Standard Size**  
Mounting holes 1 1/8" inch centers. Overall length 2 1/2". Width 1 1/4".

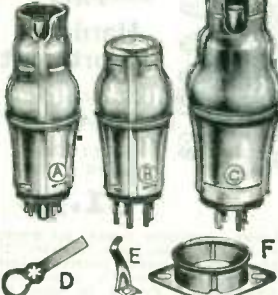
Stock Number	Prongs	Price Each	Ten For
K12177	4	<b>5¢</b>	<b>45¢</b>
K12178	5		
K12179	6		
K12180	7S	<b>5¢</b>	<b>45¢</b>
K12181	7L		

## Bakelite Sockets

Moulded black bakelite. Have guide for tube prongs. Tubes quickly and easily inserted. Perfect contact. Easy to mount above panel or below panel of any material not over 3/8" inch thick. Mounting holes have 1 1/8" centers.

Stock Number	Prongs	Price Each	Ten For
K12161	4	24¢	\$2.16
K12162	5	27¢	2.43
K12163	6	29¢	2.61
K12165	7-7S	32¢	2.88
K12166	8 (Octal)	35¢	3.15

## Improved Form-Fitting Tube Shields



For use where space is limited or to replace spray-shield type tubes. Two parts of shield fit snugly around tube and are firmly held in place by clamping ring. Grounding clip D for connecting shield to No. 1 pin of octal tubes. E for grounding to chassis. F has slotted mtg. ctrs. of 1 1/4" to 1 1/2". List price, 12¢.

YOUR PRICE, Each... **7¢** 10 for 59¢

Type	Tube Bulb Type*	Stock Number	With Clip D	With Clip E	With Clip F
A	ST12D	11773D	11773E	11773F	
B	ST12C	11774D	11774E	11774F	
B	ST12D	11775D	11775E	11775F	
C	ST12C	11780D	11780E	11780F	
B	ST14		11781E	11781F	

\*ST12D type includes all dome type tubes except those specified below. ST12C types are 6C6, 57 and 58. ST14 types are 22, 21A, 20, 32, 33, 34, and 35/51.

## Bantam Shields

Designed for bantam, 1.5 volt and other tubes having 79 bulb. Inside dia., 1 1/8" by 3 1/2" long.

C11798—1 Pc. Plain shield. No top included. PRICE, Each... **3¢** Ten for 27¢  
2 Pc. (Shield and top) with type D or E grounding clips illustrated above.  
C11799D—with Clip D  
C11799E—with Clip E  
PRICE Each... **5¢** Ten for 45¢

## GT and Loktal Shields

One piece seamless construction with open top.  
E11763—2 1/4" high x 1 1/2" dia. For Loktal and bantam type GT tubes.  
E11764—Size 2 1/4" x 1 1/2" for all regular GT and GT/G tubes.  
YOUR PRICE, Each... **3¢**

## Non-Removable Bakelite Top Binding Posts

A11238—Plain. Each  
A11239—Ant.  
A11240—Gnd.  
A11241—+  
A11242—  
A11243—Input.  
A11244—Output.  
Captions engraved on polished black bakelite top. Diameter, 3/8" inch. Size, 6/32 screw, 3/4" inch long. Nut included.

## Insulated Binding Posts With Built-in Banana Jack

Moulded, high dielectric, knurled grip, non-removable top. Takes either banana plug, phone tip, spade end or wire. Extends 5/8" above panel when top is screwed down. Fitted with 8/32 screw 1 1/2" long and two nuts.  
C11484—Black } Price Each  
C11483—Red } **15¢**

## Insulated Binding Posts

High dielectric, insulated top, diameter 1/2". Mounted on 10/32 screw 3/4" long. Threaded metal base washer 1/2" diam., 1/2" thick.  
C11489—Red } TEN FOR  
C11490—Black } **81¢**

## Terminal Strip Assemblies



Genuine laminated bakelite strip 1/4" thick, 3/4" wide. Latest type screw and collar terminals with rigid non-shift lug. Collar and lug is one single piece and mounted rigidly and securely through the terminal strip. Screws are brass nickel plated. Centers between terminals, 3/8".

Stock Number	Terminals	Length	Price Each	Ten For
K11360	2	2 1/4"	12¢	\$1.08
K11361	3	2 3/4"	18¢	1.62
K11362	4	3 1/4"	27¢	2.43
K11363	5	4	29¢	2.70
K11364	6	4 1/4"	32¢	2.97
K11365	7	5 1/4"	38¢	3.51
A11217	8	5 3/4"	47¢	4.32
A11218	9	6 1/4"	53¢	4.86
A11219	10	7	59¢	5.40

## Terminal Strips



An attractive brown bakelite 1/4" thick terminal strip made for light duty radio work, experimental use, P.A., etc.

Stock Number	Number Terminals	Price Each	Ten for
C13075	2	9¢	\$0.81
C13076	3	11¢	.98
C13077	4	15¢	1.35
C13078	5	18¢	1.62
C13079	6	21¢	1.89

## Screw and Lug Assembly

2" long, 1/4" wide. Mounting holes 1 1/8" centers. Wide head cadmium plated screws on 3/8" centers. Solder lugs riveted on, extend 1/2".  
K11206—PRICE EACH... **9¢** Ten for 81¢

## Terminal Lugs

Nickel plated phosphor bronze terminal lugs. Screw included. Illustration is actual size.  
C11207—Ten for... **47¢**

## Tie Terminal

A single terminal entirely joined at one end from the mounting lug. Handy for tying three or four leads together.  
K11370—Ten for... **19¢**

## New Lug Terminal Strip

Bakelite Insulation  
C11371—Ten for... **25¢**

Simplifies wiring and provides a ready means of mounting resistors. Center terminal may be grounded by mounting directly to chassis. 1 1/4" long. Lugs tinned.

## Terminal Strips



Tinned lugs mounted securely on laminated bakelite strips. High insulation factor. Lugs widely spaced. Two lug mounting.

Stock Number	Terminals	Price Each	Ten For
D11359	1	2¢	16¢
D11372	2	3¢	24¢
K11366	3	4¢	36¢
K11367	4	5¢	45¢
K11368	5	6¢	54¢
K11369	6	7¢	66¢



# Radio Hardware



**900  
Piece  
Hardware  
Assortment**

Contains Only  
Useful Items

A11826  
YOUR PRICE

**\$1.35**

A real Bargain! Purchased separately, this assortment would cost over \$2.50. Contains all these type items the busiest serviceman would ordinarily use. Included are approximately: 225 machine screws; 175 nuts; 100 wood

screws, escutcheon screws, set screws, etc.; 150 rivets and eyelets; 250 fiber washers, rubber grommets; brass washers, lock washers, solder lugs, eyelet lugs. Packed in neat box with removable compartments.

## Convenient PARTS RACK

Keeps Your Small  
Parts Always Handy

A17375-32 Jar Metal  
Rack. Less Jars.

YOUR PRICE ..... **\$1.71**

A11825-2 Oz. Glass  
Jars for above.

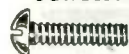
YOUR PRICE, Ea. .... **6c**  
32 for \$1.75



**SERVICE!** This jar and rack assembly will conveniently provide a place for keeping radio hardware, resistors, pilot bulbs, etc. Protects parts against dust and moisture. Ruggedly constructed black crackle

finished rack holds 32 square clear glass jars of 2 oz. capacity each. Jars have black enameled screw-on caps. One or more racks can be placed side by side to provide a larger rack. Can be placed on the work bench or mounted on wall.

## Round Head Machine Screws



Brass-  
Nickel Plated

Supplied in 10c Packages or in  
Gross Packages

Stock Num.	Size & Length	Quant. in 10c Pkg.	Price Gross
E11855	6x1/4"	25	\$0.42
E11856	6x1/2"	22	.46
E11857	6x3/4"	18	.51
E11858	6x1"	12	.83
E11859	6x1 1/4"	10	1.02
E11860	6x2"	6	1.39

### Steel-Nickel Plated

E11861	4/36x1/4"	36	\$0.30
E11862	4/36x1/2"	34	.32
E11863	4/36x3/4"	34	.32
E11864	4/36x1"	29	.37
E11865	4/36x1 1/4"	24	.45
E11867	6x1/4"	40	.27
E11868	6x1/2"	40	.27
E11869	6x3/4"	37	.29
E11870	6x1"	37	.29
E11871	6x1 1/4"	36	.30
E11872	6x1 1/2"	30	.35
E11873	6x2"	24	.44
E11874	6x2 1/4"	21	.50
E11875	6x2 1/2"	16	.66
E11877	6x3"	12	.84

E11878	6x1/4"	40	.27
E11879	6x1/2"	30	.37
E11880	6x3/4"	24	.44
E11881	6x1"	23	.46
E11882	6x1 1/4"	22	.47
E11883	6x1 1/2"	20	.52
E11884	6x2"	14	.75
E11885	6x3"	8	1.35

## Size 6/32 Flat Head Machine Screws

Steel-Nickel Plated  
Supplied in 10c Packages  
or 1 Gross Packages

Stock Num.	Length Inches	Quant. in 10c Pkg.	Price Gross
E11889	1/4"	41	26c
E11890	1/2"	40	27c
E11891	3/4"	33	32c
E11892	1"	27	39c
E11893	1 1/4"	24	44c

### Spade Lug

For Anchoring Shield Cans to Chassis, etc. Steel Nickel plated. Illustration is actual size. 6/32 screw.

E11814-  
TEN FOR ..... **5c**  
100 FOR ..... **39c**  
Per 1000 ..... **\$2.95**

## Ornamental Head Screws

Attractively embossed wide flat head, 3/8 inch diameter, 6/32 screws. Antique or Statuary Bronze finish.

Number	Length Screw	Dozen	Per Hundred
C11926	1 1/4"	9c	49c
C11927	1 1/2"	10c	53c
C11928	1 3/4"	11c	59c

## Hexagon Nuts



Chamfered and countersunk for quick assembly work.

Brass-Nickel Plated

Stock Num.	Screw Size	Size Dia	Quant. in 10c Pkg.	Price Gross
E11931	1/4"	1/4"	22	49c

### Steel-Nickel Plated

E11932	4/36	1/4"	34	32c
E11933	1/4"	1/4"	34	32c
E11934	1/4"	1/4"	34	32c
E11935	1/4"	1/4"	22	49c

### Palnuts

New stamped design. Nuts firmly grip screw eliminating need of lock washers. Nickel plated. Can be used with socket wrench.



E12145	4/36	1/4"	54	20c
E12146	1/4"	1/4"	49	22c
E12147	1/4"	1/4"	41	26c
E12148	1/4"	1/4"	37	29c
E12149	10/24	5/8"	31	34c

## Flat Washers

Proper size for radio work. Hole fits screw size given below.



Brass-Nickel Plated

Stock Num.	Size Hole	Quant. in 10c Pkg.	Price Gross
A11843	6	45	24c

### Steel-Nickel Plated

A11844	4	56	19c
A11845	6	49	22c
A11846	8	43	25c
A11847	10	30	36c

## Split Lock Washers

Proper size for radio work. Made of high grade tempered steel.



Stock Number	Size Hole	Quant. in 10c Pkg.	Price Gross
C11965	4	50	21c
C11966	6	55	20c
C11967	8	60	18c
C11968	10	65	16c

## Round Head Wood Screws

Steel-Nickel Plated

Stock Num.	Length Inches	Quant. in 10c Pkg.	Price Gross
A11895	5x1/4"	35	34c
A11896	5x1/2"	32	36c
A11897	6x1/4"	27	46c
A11898	6x1"	24	54c

## Escutcheon Plate Screws

No. 1 Round Head Metal Wood Screws. Will fit practically every escutcheon plate. Length 1/4 inch.

A11930-  
PER GROSS ..... **39c**  
30 Screws in Packet for 10c

## Radio Hardware Assortments In Glass Jars



Any Assortment Below

YOUR PRICE EACH..... **34c**



## Machine Screw, Washer and Nut Assortment

C11827-Contains 40-6/32 round head machine screws from 1/4" to 1" long, 40 washers and 40 nuts.  
C11900-35 Assorted Size 6/32 Brass Nickel plated screws. 1/4"-2".  
C11901-80 Assorted Size 1/32 Steel Cadmium plated screws. 1/4"-1".  
C11902-80 Assorted Size 6/32 Steel Cadmium plated screws. 1/4"-2".  
C11903-50 Assorted Size 8/32 Steel Cadmium plated screws. 1/4"-2".  
C11894-40 Size 10/32 Steel Cadmium plated screws. Contains 40 screws 1" long, 25 of 1 1/4" length.  
C11854-Contains 75 assorted machine screws: 20-4/36x1/4" to 1/4", 40-6/32x1/4" to 1" and 15-8/32x1/4" to 1/2" steel cadmium plated types.

## Nut Assortment

C11969-Contains 75 nuts: 20-4/36, 40-6/32, 15-8/32 and 10-10/32 steel cadmium plated types.

## Palnut Assortment

C11970-Contains 120 Palnuts: 20-4/36, 35-6/32-1/4", 35-6/32-1/2", 20-8/32 and 10-10/24 sizes.

## Flat Washer Assortment

C11971-Contains 120 Flat Washers: 18-#6 brass nickel plated and 21-#4, 48-#6, 18-#8 and 12-#10 steel cadmium plated types.

## Locking Lugs and Washers

Insure permanent tight connections. When nut is tightened down they will not loosen regardless of vibration or shaking. Tinned.  
A11848-1/4" lug with #6 hole.  
A11849-1/2" lug with #8 hole.  
A11850-3/4" washer with #6 hole.  
A11851-1" washer with #8 hole.  
Per Hundred 29c.  
PER THOUSAND ..... **\$2.59**

## Fahnstock Connectors

Wires held firmly in spring grip. may be instantly released.  
A11433-Single connector. 3/4" wide, 1" overall length.  
Dozen ..... **15c**  
A11434-Double connector. 3/4" wide, 1 1/4" long.  
Dozen ..... **65c**

A11441-Screw grip type. Takes screws up to 3/16" dia. Has lug for soldering lead. 1" long.  
YOUR PRICE, Each ..... **7c**

## Self-Tapping Screw Assort.

C11925-Contains 50 self-tapping screws in blunt and gimlet points with square and round heads. In popular sizes.

## Lock Washer Assortment

C11972-Contains 120 lock washers. Includes split-lock and shake-proof. 10 of #4 hole, 65-#6, 25-#8 and 20-#10.

## Fibre Washer Assortment

C11829-Contains 75 fibre washers. Complete range of sizes. Plain and shoulder types are included.

## Solder Lug Assortment

C11973-Contains 90 solder lugs of assorted types listed below including locking type.

## Angle Bracket Assortment

C11828-Contains 24 angle brackets built suited for radio work. Made of brass, nickel plated.

## Rubber Grommet Assortment

C11809-Contains 30 rubber grommets of assorted popular sizes.

## Spacer and Bushing Assortment

25 Spacers and bushings in 1/4" and 3/8" diameters from 1/4" to 3/4" long.  
D11954-Insulated Type.  
YOUR PRICE, Less Jar .... **52c**

## Lugs

Quality brass solder lugs. Fully tinned for easy soldering. Illustrations below are actual size.

C11920-A  
C11852-B  
C11853-C  
10c

40 for .....  
100 for 20c  
1000 for \$1.85

C11921-D  
C11922-E  
18c

25 for .....  
100 for 59c  
1000 for \$5.50

C11923-F As  
but larger.  
3/4" Hole. 1" Long overall.  
25c

25 for .....  
100 for 89c  
1000 for \$7.25

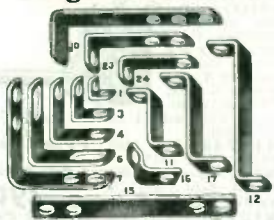
C11924-F  
25 for .....  
100 for 48c  
1000 for \$4.30





# Indispensable Hardware for Servicemen

## Angle Brackets



Brass nickel plated. For mounting panels, tubes, coils, grid leaks, etc. Width 1/2 inches.

Stock Number	Code	Size	Ten For
Number	Num.	Inches	For
KI1936	1	1/2 x 1/2	11c
KI1937	8	3/4 x 1/2	17c
KI1938	4	1 x 1/2	21c
KI1939	6	1 1/4 x 1/2	27c
KI1940	7	1 1/2 x 1/2	39c
KI1941	10	1 3/4 x 1/2	39c
KI1942	11	2 x 1/2	17c
KI1943	12	2 high	39c
KI1944	15	3 long	32c
KI1945	16	3 1/2 x 1/2	16c
KI1946	17	1 high	27c
KI1947	23	3 1/2 x 1/2	27c
KI1948	24	3 1/2 x 1/2	17c

## With Tapped Hole

**C11956**—Size, 1/2 x 1/2. 1/4" Wide. One hole is tapped for 8/32 screw, other is plain. **33c**  
Ten for .....  
100 for \$2.94

**"U" Type Bracket**  
**C11957**—Size, 1/2 x 1/2. 1/4" Wide. 3/8" Holes on top and center. 1/2" other is plain. **33c**  
Ten for .....  
100 for \$2.94

## Rivet and Eyelet Punch Set

Produces Factory-Like Job.

Properly sets any rivet or eyelet used in radio work. Tools are made of hardened steel. Holder is made of cast iron. Hexagonal sides permit tool to be placed in a vise. Assortment of tubular rivets and eyelets included.  
**RI1756**—**YOUR PRICE**  
**\$2.06**

## Rivet Clinching Tool For Tubular Rivets

Special machined face centers on rivet and a slight blow with hammer will turn the rivet body back against the material and clinches as securely as a power driven rivet. Size: 3/8" long, 1/4" dia. For 1/4" and 3/8" body diameter rivets.  
**KI1750**—**YOUR PRICE, Each.....44c**

## Tubular Rivets "Eyelets"

Rivets for replacement and repair are a necessity for every serviceman. These are the most popular sizes. Body diameter 3/8".  
**KI1815**—3/8" long.  
**KI1816**—1/2" long.  
**9c**  
25 for .....  
Per Gross, 28c Per 1000, \$1.85

## Combination Rivet—Solder Lug

Rivet fits 3/8" hole. Illustration exact size. Plated with solder coating.  
**KI1813**—**PER HUNDRED.....45c**  
Per Thousand .....\$4.05

## Self Tapping Screws

Hardened steel plated screws. Screws cut own thread. No nut or tapping required. Simply drill hole and drive in screw. Ideal for replacing rivets. Supplied in blunt point with hexagon or round heads.



Round Stock Num.	Hex. Stock Num.	Size & Lgth.	Quant. in 10c pks.	Price Per Gr.
A12300	A12314	6 x 1/4"	25	\$0.51
A12301	A12315	6 x 1/2"	23	.53
A12302	A12316	6 x 3/4"	23	.55
A12303	A12317	6 x 1"	21	.58
A12304		6 x 1 1/4"	12	1.00
A12305	A12319	8 x 1/4"	23	.55
A12306	A12320	8 x 1/2"	21	.58
A12307	A12321	8 x 3/4"	19	.65
A12308	A12322	8 x 1"	18	.68
A12309	A12323	8 x 1 1/4"	15	.75
A12310	A12324	8 x 1 1/2"		
A12311	A12325	10 x 1/4"	19	.66
A12312	A12326	10 x 1/2"	18	.69
A12313	A12327	10 x 1"	12	.81



Self tapping steel plated screws with round head and hardened gimlet point. No nut required.

Size No. 6	Price Gross	Size No. 8	Price Gross
Num.		Num.	
A11905	30c	A11915	40c
A11906	32c	A11916	42c
A11907	35c	A11918	48c
A11909	40c		

## Friction Tape

Best quality. Cotton fabric. Free from nails. Impregnated with adhesive rubber compound. Holds fast.

Stock Number	Size Roll	Tape Width	Your Price
K5745	4 oz.	1/2"	13c
K5746	4 oz.	3/4"	
K5747	8 oz.	1/2"	25c
K5748	8 oz.	3/4"	

## Rubber Tape

Made of highest grade rubber compound. Moulds into one solid mass making a waterproof joint that can never be separated. Will safely withstand 10,000 volts.

N5785	4 oz.	1/2"	16c
N5786	8 oz.	1/2"	30c

## Scotch Tape 1700 Volt Insulation

**C5737**—30 Foot Roll. 1/2" Wide. **YOUR PRICE... 44c**  
For use on all radio and electrical work. Has all the advantages of varnished cambric and friction tape, plus greater adhesive properties and flexibility. Adheres to flat or irregular surfaces: wood, metal, paper, glass, bakelite, cloth, etc. Thickness 10 mils.

**OK Plug Fuses**  
Tested finest quality. Porcelain body. Speaks for itself. "OK" in window vanishes when fuse is blown. Special construction expels gases, but will not allow flame to escape. Amperage marked on each fuse. Underwriters approved.

Stock Num.	Amperage	Carton of Five
KI1273	10	22c
KI1274	15	
KI1275	20	Per 100
KI1276	25	\$3.95
KI1277	30	

## Insulating Washers

For insulating equipment mounted on flat metal panels or chassis.

Stock Number	Outside Diameter	Hole Diameter	Thickness	Ten for
KI1831	1 1/4"	1/2"	1/16"	12c
KI1832	1 1/2"	3/4"	1/16"	
KI1833	1 3/4"	1"	1/16"	
KI1834	1 1/2"	3/4"	1/8"	
KI1835	1 3/4"	1"	1/8"	
KI1836	1 1/2"	3/4"	1/4"	
KI1837	1 3/4"	1"	1/4"	

## Extruded Washers

Shoulders fit into panel holes, insulating shaft, etc., in passing through panel.	Outside Diam.	Hole Diam.	Shoulder Diam.	Washer Thick.	Shoulder Rse	Ten for
Stock Number						
KI1838	1"	3/4"	1/2"	1/16"	1/8"	15c
KI1839	1 1/4"	1"	3/4"	1/16"	1/8"	Per Hundred \$1.25
KI1840	1 1/2"	1 1/4"	1"	1/16"	1/8"	
KI1841	1 3/4"	1 1/2"	1 1/4"	1/16"	1/8"	
KI1842	1 1/2"	1 1/4"	1"	1/16"	1/8"	

## New Insulated Staples

Drive like a nail. Easy to start and drive. Sharp pointed. 3/4" Long. 1/4" Spacing.

Number	Insul. Color	40 for	1000 for
D11280	Copper	8c	\$1.40
D11281	Brown		
D11282	Buff	9c	1.70
D11232	White		

## Rubber "Feet—Bumpers"

For use on bottom of cabinets, amplifiers, etc. Recessed cavity for head of screw. Cannot scratch. Fits size 6 or 8 screws.  
**C11806**—3/4" diam., 3/4" high.  
**C11807**—1" diam., 1" high.  
Per Hundred, \$1.40.  
Per dozen.....**22c**

## Belden "Corditis-Free"

### Appliance Cord Set

A nationally advertised appliance cord set. Includes 6 ft. knized cotton braid covered, size 18, 3000 cycle, heater cord wire. Impact resistant appliance plug. Rubber plug on other end. Entire cord set approved by Underwriters.

C4409—Complete Cord Set.	36c
Five for \$1.70. Each.....	
D4410—Appl. plug only.	19c
Ten for \$1.75. Each.....	
For Coffee Makers, etc.	
C4411—Miniature cord set. Components underwriters approved.	49c
Ten for \$4.20. Each.....	

## Radio Tweezer

**RI1599**—**YOUR PRICE.....31c**  
For holding wires, nuts, etc. Tempered spring. Size 5 1/2" long.

## Electric Heating Elements

D11270—Nichrome Wire Lengths. Coiled 20' wire, may be stretched to any length. Each length is 660 watts at 110 volts. <b>9c</b>	D11268—Air Heater Element. Coiled nichrome wire wound on ceramic form. 600 to 660 watts on 110-120 volts. <b>26c</b>	D11269—Laundry Iron Element. Standard replacement, fits 90% of the 6 pound irons such as Westinghouse, Sunbeam, etc. <b>35c</b>
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## Rubber Grommets

For insulating holes in any metal plate about 1/8" thick. Prevents cutting wires. Strong black rubber.  
Stock Num. Hole Diam. Inside Diam. Par. Doz. Per Mun.  
C11800 1/4" 3/8" 10c \$0.61  
C11801 1/2" 5/8" 17c 1.05  
C11802 3/4" 7/8" 20c 1.25  
C11803 1" 1 1/8" 23c 1.43  
C11804 1 1/4" 1 3/8" 24c 1.49

A11805—Assortment of 60 Grommets. 12 each of above. **89c**  
**YOUR PRICE.....**

## Rubber Head Tack Bumpers

For use on bottom of cabinets and cases. Prevents marring of surface. Nail is firmly imbedded in rubber head.  
**C11818**—3/4" Dia.  
**C11819**—1/2" Dia.  
Ten for .....**10c**  
100 for 75c 1000 for \$6.50

## Belden Extension Cord

Non-breakable all rubber construction. Consists of soft rubber duplex plug receptacle, extra flexible size 18 rubber covered cord and narrow rubber attachment plug.  
Each Ten for  
C4412—Brown 10 ft. 60c \$5.10  
C4413—Ivory 10 ft. 60c 5.10

## Power Supply Cords

For replacement on radios, lamps, fans, etc. Waterproof, washable, kinkless 7/8" foot long rubber cord with unbreakable soft rubber plug attached to one end. Wires on other end are already stripped and tinned, easy to attach. Underwriters' Approved.  
**K4416**—Brown } **YOUR PRICE**  
**K4417**—Ivory } **23c EACH**  
20 for \$4.00



# SERVICEMEN'S SUPPLIES: JACKS • PLUGS

## Standard Phone Plugs



Screw connection for one or two sets of cords with either phone tip or eyelet ends. In red or black molded bakelite or shielded metal barrel handles. All metal parts brass, nickel plated.

### 1 Circuit—2 Lead Type

Stock Num.	Barrel Type	Barrel Size	Price Each
E12121	Red Bak.	1/4x1 1/4	29¢
E12122	Black Bak.	1/4x1 1/4	
E12123	Red Bak.	1/4x1 1/4	
E12124	Black Bak.	1/4x1 1/4	
E12124	Shielded	1/4x1 1/4	35¢
E12125	Shielded	1/4x1 1/4	41¢
E12126	Shielded	1/4x1 1/4	50¢

### 2 Circuit—3 Lead Type

E12127	Black Bak.	3/4x1 1/4	56¢
E12128	Shielded	3/4x1 1/4	82¢

## Portable (Line) Jacks



For extension purposes where jack is not mounted on panel. All metal parts are brass, nickel plated. Available in black molded bakelite or shielded barrel types or less barrel with insulating washers for chassis mounting. Phosphor bronze springs. Size 3/4" dia., 1 1/4" long.

### 1 Circuit—2 Lead Type

E12129	Bakelite	1/4x1 1/4	35¢
E12130	Shielded	1/4x1 1/4	65¢
E12133	Less Barrel	1/4x1 1/4	24¢

### 2 Circuit—3 Lead Type

E12131	Bakelite	3/4x1 1/4	56¢
E12132	Shielded	3/4x1 1/4	76¢
E12134	Less Barrel	3/4x1 1/4	38¢

## Barrels for Plugs and Jacks

Will fit above Plugs and Jacks and any others of equivalent size. Metal barrels have rubber grommet in end for insulation.

Stock Num.	I.D.	Outside D x L	Type	Your Price
D12135	1/4"	3/4x1 1/4	{Black Bak.}	12¢
D12136	1/4"	3/4x1 1/4	{Black Bak.}	
D12137	1/4"	3/4x1 1/4	{Red Bak.}	Each
D12138	1/4"	3/4x1 1/4	{Red Bak.}	
D12139	1/4"	1/2x2"	{Nickel Plated}	32¢
D12140	1/4"	1/2x2"	{Nickel Plated}	24¢
D12141	1/4"	1/2x1 1/4	{Brass}	32¢
D12142	1/4"	1/2x1 1/4	{Brass}	21¢

## Standard Jack Plugs

Moulded body, 1 1/2 inch diameter with eyelet for anchoring cord.

E11250—YOUR PRICE **21¢**

## Carter Flat Plug

Popular flat type plug. Ideal for wall plate connection. Body made of bakelite 1 1/2" dia., 1/4" thick. Set screw connections take plug-in tips or wire ends.

C11208—YOUR PRICE... **45¢**

## Short Jacks

Smallest made. Solder lugs widely spaced. Heavy bakelite insulators eliminate leakage. Mount in 1/4 inch hole on 1/2 to 3/4 inch panels.

Take any standard plug.

C11220—No. 1—Open Circuit.

YOUR PRICE **16¢**

C11221—No. 2A—Single, Closed Circuit.

YOUR PRICE, Each **19¢**

## Infant Jack

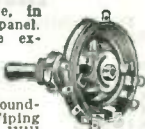
A single circuit jack. Plated phosphor bronze spring will not lose tension. Tinned lugs. Bakelite insulation.

K11156—List, 30¢.

YOUR PRICE **18¢**

## Rotary Tap Switches

Requires 3/8" hole, in 1/4" or thinner panel. Single deck type extends 1/4" back of panel. Knob shaft, 1/4" dia., 3/8" long beyond bushing. Rotor grounded to chassis. Wiping spring contacts. Will carry 3 amps. at 110 Volts A.C. Non-Shorting Type.

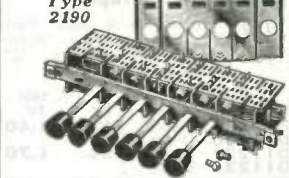


Stock Num.	Number Contacts	Stock Num.	Number Contacts
D13200	3	D13205	8
D13201	4	D13206	9
D13202	5	D13207	10
D13203	6	D13208	11
D13204	7	D13209	12

Price Each **31¢**

Price Each **45¢**

## Push Button Switches



For use in test equipment and other switching circuits. Switches are non-shorting type, each button providing D.P.D.T. action. Depressing one button automatically releases others. Low loss construction. Includes statutory bronze escutcheon, brown bakelite knobs and blank inserts with transparent strip for identification window.

Stock Number	Mfg. Code	Num. of On-Offs	Your Price
C10987	2104	4	\$2.82
C10988	2198	6	3.53
C10989	2198	8	4.23

## Head Phone Cords



For Double Unit Headphones. Fine quality durable mercerized braid covering. Length 5 ft.

R4906—With pin tips on both ends.

R4907—With spade tips on phone unit end, pin tips on other end.

PRICE EACH **39¢**

## Two Conductor Cords

For Speakers or Single Unit Headphones

Finest quality glossy mercerized covering. Lgth. 5 ft.

R4908—Pin tips one end, spade tips other. EACH **29¢**

R4909—Pin tips both ends

## Extension Connector

Takes phone tip ends.

C11252—EACH **18¢**

## Bench or Desk Lamp



D13871—Less bulb. YOUR PRICE **\$110**

Why work under improper lighting conditions—equip your work bench with these inexpensive desk lamps. 12" flexible "goose neck" and 6 1/2" dia. metal shade. Turn key knob socket with 6 ft. cord and plug. Heavy cast iron base. Finished in antique green with inside of shade brightly finished.

## Yaxley Push Button Jack Switches

Contacts made and broken by pressure on knob. Non-locking type returns to original position when pressure released. Locking type remains in depressed or raised position.

Single Pole—Single Throw

Makes Contact in Single Circuit.

K11126—Code 2001. Non-locking.

K11127—Code 2001L. Locking.

List price, \$1.10.

YOUR PRICE, Each **65¢**

Single Pole—Double Throw

One circuit completed in up position.

In depressed position, first circuit broken and one of contacts switched to second circuit.

K11130—Code 2003. Non-locking.

K11131—Code 2003L. Locking.

List price, \$1.20.

YOUR PRICE, Each **71¢**

Double Pole—Double Throw

Two separate circuits closed in "up" position. In depressed position, one contact from each circuit is connected to a second set of separate circuits.

K11136—Code 2006. Non-locking.

K11137—Code 2006L. Locking.

List price, \$1.80.

YOUR PRICE, Each **\$1.06**

## Circuit Opening Twin Tip Jacks

Circuit opens when both pin tips are in place. Closed while either one alone is in position. Used in circuits for current and voltage measurements.

Mounts above or below panel with standard 1/2" screw. 3/4" holes required with 1/8" thick.

R11200—No. 432.

YOUR PRICE, Each **24¢**

## Porcelain Base Knife Switches



Glazed white porcelain bases. Copper contacts and blades with screw lug connections.

Stock Num.	Type	Size Inches	Your Price
N11105	S.P.S.T.	1/4x1 1/4	12¢
N11106	S.P.D.T.	1/4x2 1/4	14¢
N11107	D.P.S.T.	1/4x1 1/4	22¢
N11108	D.P.D.T.	1/4x2 1/4	25¢

## Small Bakelite Base Knife Switches

Base lengths:—Double Throw 2 1/4 inches; Single throw 1 1/4 inches. Moulded bakelite base and handle. Contacts and blades, brass nickel plated.

Single Throw—Double Throw

Stock Num.	Poles	Each Net	Stock Num.	Poles	Each Net
K11109	1	\$0.44	K11115	2	\$0.68
K11110	2	.59	K11116	3	1.03
K11112	4	1.18	K11117	4	1.47
K11114	1	.50	K11118	6	1.76

## Miniature Switches

Compact, substantial. For base panel mounting. Bakelite base 1 1/4" long. Nickel plated blades and posts. S. P. 1/2" wide, D. P. 1" wide.

K11120—S.P.S.T. Each **18¢**

K11121—S.P.D.T. Each, 29¢.

R11123—D.P.S.T. Each, 35¢.

R11122—D.P.D.T. Each, 38¢.

## Centralab Tone Switches

Constructed chiefly for use as tone switches. Can be used in any circuit. Current capacity 1 ampere at 6 volts. "Ticker" movement. 2 1/4" milled shaft. Body only 1/2" deep.

N12745—Code 1460. 1 Pole 2 Positions. Size 1 1/4" x 1 1/4".

N12746—Code 1461. 1 Pole 3 Positions. Size 1 1/4" x 1 1/4".

YOUR PRICE, EACH **29¢**

N12747—Code 1462. 2 Pole 2 Positions. Size 1 1/4" x 1 1/4".

YOUR PRICE **35¢**

## Centralab Lever Switches

Low Capacity—Compact



For extremely compact mounting. Very little space required behind panel: 1 1/4" deep, 1 1/4" high and 3/4" wide for each switch. Knob included. \*Spring action returns lever to mid-position from either side. †Spring action to mid position from one side only. ‡With spring return action to original position. Others positive action in all positions.

Very little space required behind panel: 1 1/4" deep, 1 1/4" high and 3/4" wide for each switch. Knob included. \*Spring action returns lever to mid-position from either side. †Spring action to mid position from one side only. ‡With spring return action to original position. Others positive action in all positions.

YOUR PRICE, Each **59¢**

## Mounting Plates for Above

Num.	Gauge	Price	Black crackle finished steel plates. Size 2 1/4" high by 1 1/4" long for each switch used.
B10920	1	12¢	
B10921	2	18¢	
B10922	3	21¢	
B10923	4	25¢	
B10924	5	29¢	

## C-H S. P. D. T. Toggle Switch With "Off" Position

Makes or breaks two circuits and has "off" position in center. Toggle shaft is insulated from switch. Mounting screw diam. 3/8", length 1 1/2". Overall body size 1 1/4" x 1 1/4" x 1 1/4" deep. Three screw terminal connections.

E11070—YOUR PRICE **29¢**

Ten for \$2.65

## Push Button Switch

C11075—Open Circuit.

YOUR PRICE **14¢**

EACH **14¢**

Ten for \$1.26

Fine quality. Pearl center with polished nickel rim. Fits 3/4" hole. Screw connectors eliminate soldering. Suitable for circuits up to 250 volts, 2 amps. Phosphor bronze contact.

## Rotary Canopy Switch

C11089—Single pole on-off rotary switch. Rated 1 ampere at 250 volts. Shank mounts in single 3/4" hole in panels up to 1/4" thick. Brown bakelite knob. 6" Insulated leads.

YOUR PRICE **27¢**

Ten for \$2.50

## Twin Tip Jacks

Sure contact, nickel tip jacks mounted in bakelite strip, 2" long, 1 1/2" wide. Mounting holes 1 1/4" centers.

K11202—Plain (not marked).

K11203—Marked "Phono."

K11204—Marked "Speaker."

Ten for 54¢.

YOUR PRICE, Each **6¢**



# TOGGLE • PUSH BUTTON • ROTARY SWITCHES

## Toggle-Panel Switches

Underwriters approved, 3 amp., 125 V.—1 amp. 250 V. For controlling radio sets, motors, lamps, meters, etc. Two locknuts included. Best quality. H. & H. brand. Laminated fiber construction. Solder lug connections. Available in Nickel or Statuary Bronze.

### Single Pole—Single Throw

2 Connections  
Makes and breaks a single circuit. Standard "ON" and "OFF" switch. Mounting sleeve  $\frac{1}{2}$ " diameter. 3A. 125V. 1A. 250V.

Stock Number	Material	Size	Length	Each	Ten
E10925	Br	Ni	$\frac{1}{2}$ "	22c	\$1.98
E10926	Br	Ni	$\frac{3}{8}$ "	23c	2.07
E10928	Br	Ni	$\frac{1}{2}$ "	24c	2.25

### Single Pole—Single Throw Heavy Duty

Same as above switch except will handle heavier current. 6 amps., 125 V. or 3 amps., 250 V.

E10994	Br	Ni	$\frac{1}{2}$ "	25c	\$2.25
E10995	Br	Ni	$\frac{3}{8}$ "	26c	2.34
E10996	Br	Ni	$\frac{1}{2}$ "	28c	2.52

### Single Pole—Double Throw or Three Way

8 Connections  
Can be used as Three way, or single pole double throw. Mounting sleeve  $\frac{1}{2}$ " diameter. 3A. 125 V. 1A. 250V.

Stock Number	Material	Size	Length	Each	Ten
E10929	Br	Ni	$\frac{1}{2}$ "	27c	2.43
E10930	Br	Ni	$\frac{3}{8}$ "	28c	2.52
E10932	Br	Ni	$\frac{1}{2}$ "	30c	2.70

### Double Pole—Single Throw

4 Connections  
Cuts two circuits in and out. "On" and "Off" for two circuits. Mounting sleeve  $\frac{1}{2}$ " diameter. 3A. 125V.—1A. 250V.

Stock Number	Material	Size	Length	Each	Ten
E10933	Br	Ni	$\frac{1}{2}$ "	42c	\$3.78
E10934	Br	Ni	$\frac{3}{8}$ "	43c	3.87
E10936	Br	Ni	$\frac{1}{2}$ "	45c	4.05

### Double Pole—Double Throw

6 Connections  
Feeds two circuits into either one of two pairs of circuits. A new development of many uses. Mounting sleeve  $\frac{1}{2}$ " diameter. 3A. 125V.—1A. 250V.

Stock Number	Material	Size	Length	Each	Ten
E10937	Br	Ni	$\frac{1}{2}$ "	45c	\$4.05
E10938	Br	Ni	$\frac{3}{8}$ "	46c	4.14
E10940	Br	Ni	$\frac{1}{2}$ "	48c	4.32

## Streamline Sliding Lever Switch

For modernizing appliances, panels, etc. Bakelite slide lever can be pried off and plate removed. Fits hole  $\frac{1}{2}$ " x  $\frac{1}{4}$ ", 1" deep. Polished bakelite plate, size  $\frac{1}{2}$ " x  $\frac{1}{4}$ ". For AC or DC. Rated 3 amps. at 125 volts. "One circuit is 'on', other 'off'."

Stock Number	Type	Price Each	Ten For
A11000	S.P.S.T.	33c	\$3.30
A11001	Two Circuit*	40c	3.90
A11002	S.P.D.T.	40c	3.80
A11003	D.P.S.T.	45c	4.27
A11004	D.P.D.T.	54c	5.13

### Momentary Contact

Switch must be held in position. For AC operation only. \*Normally off.

E11005	S.P.S.T.	39c	\$3.70
E11006	Two Circuit*	45c	4.27
E11007	S.P.D.T.	45c	4.27
E11008	D.P.S.T.	54c	5.13
E11009	D.P.D.T.	59c	5.60

## Rotary Panel Switches

Underwriters approved. 3 amps. at 125V., 1 amp. at 250 volts. Best quality. H. & H. brand. Cadmium plated lugs. Supplied with locknuts. Mounts in  $\frac{3}{8}$ " hole. Shaft extends 1" out of sleeve.

### Single Pole—Single Throw

Stock Number	Sleeve Length	Price Each	Ten For
E11030	$\frac{1}{4}$ "	22c	\$1.98
E11031	$\frac{3}{8}$ "	23c	2.07
E11032	$\frac{1}{2}$ "	30c	2.70

### Single Pole—Double Throw

Stock Number	Sleeve Length	Price Each	Ten For
E11034	$\frac{1}{4}$ "	27c	\$2.43
E11035	$\frac{3}{8}$ "	28c	2.52
E11036	$\frac{1}{2}$ "	35c	3.15

### Double Pole—Single Throw

Stock Number	Sleeve Length	Price Each	Ten For
E11038	$\frac{1}{4}$ "	42c	\$3.78
E11039	$\frac{3}{8}$ "	43c	3.87
E11040	$\frac{1}{2}$ "	50c	4.50

### Double Pole—Double Throw

Stock Number	Sleeve Length	Price Each	Ten For
E11042	$\frac{1}{4}$ "	46c	\$4.14
E11043	$\frac{3}{8}$ "	47c	4.23
E11044	$\frac{1}{2}$ "	54c	4.86

## Key Lock Switch

Single Pole—Single Throw  
E11055  
Your Price

35c  
Ten for \$3.15  
E11056—D. P. S. T.  
YOUR PRICE, EACH..... 60c  
Ten for \$5.40

Key removable when circuit is broken. Mounting sleeve  $\frac{1}{2}$ " diam.,  $\frac{1}{4}$ " long. Attractive lock nuts included. One key supplied. Underwriters approved. 3 amp., 125 volts. Body size  $\frac{3}{8}$ " deep,  $\frac{3}{4}$ " wide,  $\frac{1}{2}$ " long.

## Two Circuit Push Button Switches

Two circuit non-indicating slow make and quick break momentary contact switches. One circuit is normally ON and the other is normally OFF. Pressing the push button reverses the "off" and "on" position of the circuits. When pressure on the push button is released the condition of the circuits return to normal. Finest quality. Laminated bakelite or fibre insulation. Tinned copper solder lug connections. Rating 75 watts, 125 volts, A.C. Standard  $\frac{3}{8}$ " diam. bushing  $\frac{1}{4}$ " long.

### With Metal Plunger

Same switch as used on Supreme and other makes of instruments.  
E11048—Your Price  
Each..... 33c  
Ten for \$2.97

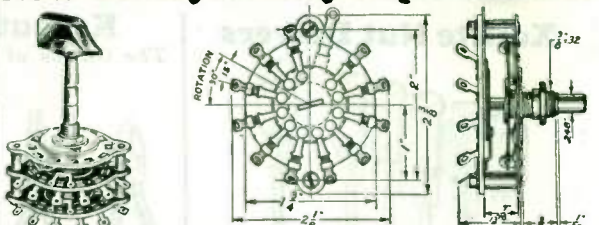
### With Bakelite Button Plunger

Supplied with a black or red bakelite concave button on end of plunger.  
E11048—Red Button  
E11049—Black Button  
Your Price  
Each..... 42c  
Ten for \$3.78

## "OFF" - "ON" TOGGLE SWITCH PLATE

For use with any standard panel type toggle switch. Available in nickel or statuary bronze.  
C11058—Nickel  
YOUR PRICE, EACH..... 2c  
Ten for 18c

## New Yaxley Rotary Tap Switches



### Series 1200L and 1300L

Switches are identically same construction as used and specified by majority of radio manufacturers making all-wave receivers. All contacting members are heavily silver-plated to withstand severe wear throughout life. Lowest contact resistance and capacity permits use of this switch in any circuit. Most perfect and positive indexing system used eliminates possibility of setting switch between contacts.

Shorting Stock Num.	Yaxley Code	Non-Shorting Stock Num.	Yaxley Code	Num. of Ganges	Circuits per Switch	Contacts per Circuit	List Price	Your Price
R13250	1216L	R13262	1316L	1	1	1 to 6	\$1.20	\$1.71
R13251	1211L	R13263	1311L	1	1	1 to 11	1.40	.82
R13252	1215L	R13264	1315L	1	2	1 to 5	1.50	.88
R13253	1213L	R13265	1313L	1	3	1 to 3	1.65	.97
R13254	1212L	R13266	1312L	1	4	1 to 2	1.75	1.03
R13255	1226L	R13267	1326L	2	2	1 to 6	1.95	1.15
R13256	1221L	R13268	1321L	2	2	1 to 11	2.10	1.24
R13257	1225L	R13269	1325L	2	4	1 to 5	2.40	1.41
R13258	1223L	R13270	1323L	2	6	1 to 3	2.55	1.50
R13259	1231L	R13271	1331L	3	3	1 to 11	2.85	1.68
R13260	1241L	R13272	1341L	4	4	1 to 11	3.60	2.12

## Yaxley Series 3100J and 3200J Single Gang Combination Switches

Newly designed compact single gang switches used in majority of compact all-wave receivers. Heavily silver-plated contact points. Low capacity and low contact resistance. Various circuit combinations are provided when only certain sections of the switch are used and with the use of the adjustable stop plate.

Shorting Stock Num.	Yaxley Code	Non-Shorting Stock Num.	Yaxley Code	No. of Circuits (Poles)	Contacts per Circuit (Throws)	List Price	Your Price
R13275	3115J	R13285	3215J	1	1 to 5	\$0.90	53c
R13276	3112J	R13286	3212J	1	1 to 12	.90	
R13277	3117J*	R13287	3217J*	1	1 to 17	1.65	5.97
C13273	3122J	R13288	3222J	2	1 to 2	.90	.53
C13274	3123J	R13289	3223J	2	1 to 3	.90	.53
R13278	3126J	R13290	3226J	2	1 to 6	1.65	.97
R13279	3129J*	R13291	3229J*	2	1 to 9		
R13280	3134J	R13292	3234J	3	1 to 4	1.10	.65
R13281	3136J*	R13293	3236J*	3	1 to 6	1.80	1.06
R13282	3142J	R13294	3242J	4	1 to 2	1.05	.62
R13283	3143J	R13295	3243J	4	1 to 3	1.10	.65
R13284	3163J*	R13296	3263J*	6	1 to 3	1.80	1.06

## Bat Handle Toggle Switches

Bat handle permits quicker, easier operation. Best quality H. & H. brand. Nickel plated sleeve and handle. Two nuts included. Mounts in  $\frac{3}{8}$ " hole. 3 Amps. at 125 V., 1 amp. at 250 V. Solder lug terminals. Underwriters approved. \*Heavy duty type, 6 amps. at 125 V., 3 amps. at 250 V.

Stock Number	Type	Length	Price Each	Ten For
E10907	SPST	$\frac{1}{2}$ "	22c	\$1.98
E10908	SPST	$\frac{3}{8}$ "	23c	2.07
E10909	*SPST	$\frac{1}{2}$ "	26c	2.34
E10941	SPST	$\frac{1}{2}$ "	27c	2.43
E10942	SPDT	$\frac{1}{2}$ "	27c	2.43
E10943	SPDT	$\frac{1}{2}$ "	28c	2.52
E10944	DPST	$\frac{1}{2}$ "	42c	3.78
E10945	DPST	$\frac{1}{2}$ "	43c	3.87
E10946	DPDT	$\frac{1}{2}$ "	45c	4.05
E10947	DPDT	$\frac{1}{2}$ "	46c	4.14
E10948	DPDT	$\frac{1}{2}$ "	48c	4.32

## Etched Dial Plates

Bright aluminum raised figures on black background. "10c" Dia.  $\frac{1}{8}$ " hole.  
PRICE EACH..... 12c

Numerical Stock Num.	Spacing 30 Degree Stock Num.	Dial Markings
E13302	E13312	1 to 3
E13303	E13313	1 to 4
E13304	E13314	1 to 5
E13305	E13315	1 to 6
E13306	E13316	1 to 7
E13307	E13317	1 to 8
E13308	E13318	1 to 9
E13309	E13319	1 to 10
E13337	E13347	off 1 to 10
E13310	E13320	1 to 11
E13311	E13321	1 to 12
	E13322	1 to 13
	E13323	1 to 14
	E13324	1 to 15
	E13325	1 to 16
	E13326	1 to 17
	E13327	1 to 18

For Volume Controls  
D13300—Dia., 2 1/4" x 0-100.  
YOUR PRICE, EACH..... 15c



# HIGH QUALITY Tools

## Xcelite Nut Drivers



### Unbreakable Shockproof Handles

Transparent firm grip handle will withstand 5000 volts. Guaranteed against splitting and breaking. Sockets free from burrs, truly formed, and deep enough to handle two nuts. Hollow shaft stem up to 1 1/4" permits removal of nuts on long projecting screws. Sockets and 3" long shanks expertly tempered, fully polished. Steel mounting rack.

6 Inch Length			9 Inch Length		
Stock Number	Your Price	For Hex. Nut	Stock Number	Your Price	
A11974		1/4"	A12077		
A11975		5/16"	A12078		
A11976		3/8"	A12079		
A11977		1/2"	A12080		
A11978		5/8"	A12081		
A11979		3/4"	A12082		
A11980		7/8"	A12083		
<b>41c</b>			<b>47c</b>		
Each			Each		
A12075	<b>53c</b>	1"	A12084	<b>56c</b>	
A12076	Each	1 1/4"	A12085	Each	

### Hollow Shaft Type

A11963	68c	1/4"	Fits Volume Control Nuts
A11964	76c	5/16"	
A11981—5 Unit Mounting Rack — Will hold any five above wrenches. <b>YOUR PRICE 18c</b>			
A11982—7 Unit Mounting Rack — Will hold any seven above wrenches. <b>YOUR PRICE 21c</b>			

## Universal Socket Wrench



**C12073**  
**YOUR PRICE**  
**\$3.85**

An ingenious pocket sized tool for installing auto radios, heaters, and for general radio work. The head of the tool takes any of the 7 standard popular socket wrenches provided. All wrenches not in use fit in the hollow handle and lock in place. Socket sizes furnished: 1/8", 1/4", 3/8", 1/2", 5/8", 3/4", and 7/8". Ship. wt., 8 lbs.

## Genuine Klein Pliers

The World's Standard of Quality

Klein pliers are made of the best fine tool steel, guaranteed the highest quality on the market.

### Narrow Nose Oblique Plier



Cuts close, the narrow head permitting use in confined places. Knives perfectly fitted so that they meet accurately at all points.

E11655—5 inch. Each..... **\$2.35**  
E11656—6 inch. Each..... **\$2.40**

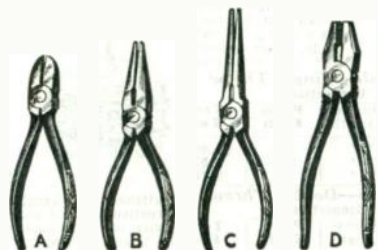
### Long Nose Side Cutting Plier



Pt. No. 203  
Fine cutting assured. Knives carefully fitted. Body of the plier is hardened and tempered. Point 1/4 inch round.  
E11657—5 inch. Each..... **\$2.70**  
E11658—6 inch. Each..... **\$2.75**

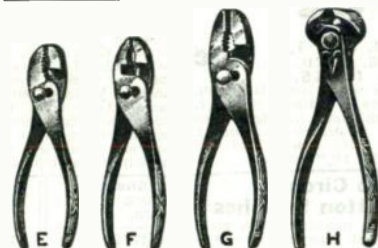
## Kraeuter Pliers

The Choice of Skilled Mechanics



Only the best material and perfect workmanship go into the production of Kraeuter pliers. Pliers are drop forged of extra high grade steel. Blued steel finish knurled handles will withstand a pressure of 140 to 165 lbs. without breaking. Jaws are milled and tested for pulling strength. Cutting edges are triple tested—first, to cut plow steel wire; second, to cut silk covered wire; third, for cutting hard drawn nails. Heads are highly polished. Made in America. \*Pliers are especially suitable for delicate work such as meter or watch repairing, having fully polished finish.

Stock Number	Type	Description	Length Overall	Your Price
E12095	A	Side Cutting	4 1/2"	\$1.32
E11562	A	Side Cutting	5"	.88
E12096	A	Side Cutting	6"	1.32
E11563	A	Side Cutting	6"	.96
E11564	B	Needle Pt. Nose	5"	1.28
E11565	B	Long Nose	6"	.88
E11566	C	Extra Long Nose	7"	1.28
E12097	C	Needle Pt. Nose	7 1/2"	1.44
E11567	D	Electrical Pliers	6 1/2"	.80
E11568	D	Electrical Pliers	7"	.92
E11569	D	Electrical Pliers	8"	1.00



All have smooth handles. †Dull nickel finish. ‡Black handles, polished head.

E12098	E	All Purpose	6"	\$0.28
E11570	E	All Purpose	6"	.56
E11571	F	Side Cutting	5 1/2"	1.00
E11572	G	Shearing Type	6"	.84
E11595	H	End Cutting	7"	1.04

## Amberyl Nut Drivers

With Transparent Unbreakable Handles



You can save time, temper and money by using these high quality nut drivers in your radio service work. Shank is firmly embedded in clear transparent unbreakable shock-proof handle that will not chip or crack even when subjected to hammer blows. Handles are large enough and properly formed for best grip. Hardened steel socket. Stems made to take projecting screws from 1/8" to 3/4" long depending on socket size. Overall length 6".

Stock Num.	For Hex Nut	Your Price
E13000	1/8"	<b>40c</b> Each
E13001	1/4"	
E13002	3/8"	
E13003	1/2"	
E13004	5/8"	
E13005	3/4"	
E13006	7/8"	

**C13007—**  
**Set of Seven**  
**(One of Each)**  
**YOUR PRICE**  
**\$2.52**

### Volume Control Nut Drivers

Full length hollow shaft handles take volume control shafts up to 3/4" long. Cross bracket in handle positively prevents handle from turning.

E13038	1/4"	<b>C13040—</b> <b>Each..... 67c</b>
E13039	3/8"	

## Amberyl "Lifetime" Screw Drivers

Guaranteed Unbreakable—Rust-Proof

Finest quality screwdrivers at a new economy price. Clear transparent unbreakable shockproof Amberyl handle will not chip or crack even when subjected to most severe hammer blows. Handles are large enough and properly formed for best grip. The blades are forged of a tough crucible alloy steel, correctly oil tempered and cadmium plated. Guaranteed not to rust. Blades positively will not turn in the handle. A size for every need is listed below.

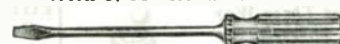
### With 1/8" Round Blades



Will fit knob screws. Narrow blade tip properly formed for radio work.

Stock Num.	Blade Length	Price Each	C13012—Set of 4 Screwdrivers. <b>YOUR PRICE 83c</b>
E13008	3"	12c	
E13009	4"	24c	
E13010	5"	26c	
E13011	6"	30c	

### With 3/16" Round Blades



All 3/8" and 1/2" dia. blade screwdrivers except 8" long type have range on blade at handle. This will prevent blade from being driven thru handle when hit heavily with a hammer.

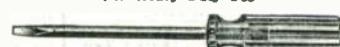
Stock Num.	Blade Length	Price Each	C13018—Set of 5 Screwdrivers. <b>YOUR PRICE \$1.58</b>
E13013	3"	29c	
E13014	4"	32c	
E13015	5"	35c	
E13016	6"	38c	
E13017	8"	41c	

### With 1/4" Round Blade

Stock Num.	Blade Length	Price Each	C13024—Set of 4 Screwdrivers. <b>YOUR PRICE \$1.49</b>
E13019	1 1/4"	33c	
E13021	1 1/2"	38c	
E13022	1 3/4"	44c	
E13023	2"	60c	

### With 1/4" Square Blade

For Heavy Duty Use



Stock Num.	Blade Length	Price Each	C13029—Set of 4 Screwdrivers. <b>YOUR PRICE \$2.04</b>
E13025	3"	41c	
E13026	5"	53c	
With 5/16" Square Blades			
E13027	6"	65c	
E13028	8"	68c	

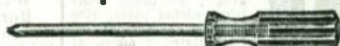
## Grip-Point Screw Drivers



Holds screw firmly by engaging revolving tongue in screw slot. Easily operated with one hand. Quickly sets screw in inaccessible places. Finest quality hardened tool steel blade. Transparent unbreakable handle as above screwdrivers.

Stock Num.	Takes Screws	Blade Dia.	Blade Lgth.	Overall Length	Your Price	Your Price
E13030	1 to 6	3/8"	4 1/4"	7 1/4"	\$ .88	Set of 3 <b>\$2.54</b>
E13031	4 to 14	1/2"	4 1/4"	8 1/4"	.94	
E13032	8 to 20	5/8"	4 1/4"	8 1/4"	1.00	

## "Phillips" Screw Drivers



For use with Phillips self-centering screws commonly recognized by the cross slots in the head. Special design prevents driver from slipping out of screw slot. Best quality forged, tempered alloy steel blades. Same transparent unbreakable handles as above screwdrivers.

Stock Num.	Takes Screws	Blade Dia.	Blade Lgth.	Overall Length	Your Price	C13041 Set of 5 PRICE \$2.35
E13033	to 4	3/8"	3"	5 1/4"	41c	
E13034	to 4	1/2"	1 1/8"	3 1/4"	44c	
E13035	5 to 9	1/2"	1 1/8"	3 1/4"	47c	
E13036	5 to 9	1/2"	1 1/8"	8 1/4"	53c	
E13037	10 to 16	1/2"	6"	10"	68c	

## 10% Discount

Order any 6 or more of the above Amberyl Screwdrivers or Nut-drivers and deduct an additional 10% from the single lot price. These may be assorted or all of one kind.



# INCREASE Your Profits

## Walsco Staple Driver



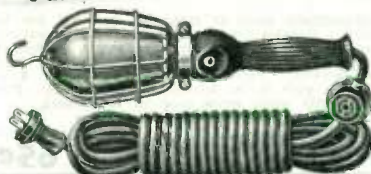
**Complete with 250 Staples**  
 E14192—Tool Finish. **\$3.70**  
 YOUR PRICE.....  
 E14193—Chrome Plated. **\$4.65**  
 YOUR PRICE.....

A sturdy light weight staple driver for quickly anchoring wire, insulating material, signs, etc., to any wall or surface. Automatically sets staple to any depth with minimum effort. By striking handle with palm of hand staple enters ordinary soft surfaces with one stroke; hard surfaces take staples into brick, soft concrete, sheet metal, etc. Has trigger controlled staple feeding mechanism. Magazine holds 23 staples and can be quickly loaded. High quality steel staples coated with insulating material. Staples in strips of 25.

Extra Staples  
 E14195—Ivory Finished. Your **29c**  
 E14196—Brown Finished. Price  
 E14197—Blued staples. 250 for  
 E14194—Leather Carrying Case. **\$1.25**  
 YOUR PRICE.....

## "ToolTap" Trouble Lamp

Push-Thru Switch in Handle



**NI1693—Trouble Lamp** complete with 25 ft. heavy rubber covered cable. **\$1.98**  
 YOUR PRICE.....

**NI1694—Trouble Lamp** complete with 50 ft. heavy rubber covered cable. **\$2.98**  
 YOUR PRICE.....

Consists of heavy rubber cable, molded rubber handle with Push-Thru switch, light socket body, reinforced type dual outlet, large rubber handle spring prong plug and a heavy duty spot welded wire guard with cadmium plated reflector. Completely assembled and wired, ready to use. Will take up to a 300 watt bulb. The "ToolTap" is an unbreakable rubber double outlet connected in cable below the handle. Provides plug-in connections for electric tools or extra connections for any electrical apparatus. Sturdy hook for hanging. Ruggedly constructed. Cable connections reinforced at all points with metal discs which prevent cable from pulling out. No Bulb.

## Super Value Trouble Lamp

With Switch and 25 Ft. Cord



**CI1641—** **\$1.28**  
 YOUR PRICE.....

An indispensable cord set of good quality suitable for all portable light extension purposes. Consists of heavy rubber shock-proof construction; Spring prong rubber plug; All rubber handle-type light socket with push-thru switch and heavy rubber covered cord. Guard with hook for hanging. No bulb.

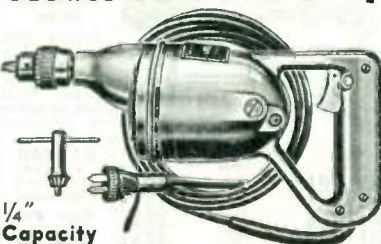
## Adjustable Handy Lamp



**AI1692—** **\$1.05**  
 YOUR PRICE.....  
 Handy for supplying light when servicing radios. Clamps on side of cabinet. Double ball swivel joint allows adjustment to any angle. Strong spring clamp securely fastens to any object and holds light firmly in place. Rubber covering on clamp. Push through type switch. Shade diameter 5 1/2". Takes any size bulb. Nickel finished. All rubber cord 5 1/2" long. Bakelite plug. Bulb not included.

## Signal Electric Drills

Model OB-8 and OB-4



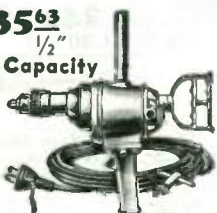
1/4"  
 Capacity

A high quality electric drill. Durable cast aluminum alloy housing. Special neck permits drilling in close quarters. Bronze wood packed bearings with thrust ball bearing on spindle shaft. Almond three jaw key type chuck. Gears are of special heat treated alloy. Brushes can be replaced by removing set screws at the sides. Trigger type switch in handle can be locked for continuous operation. Universal 110-120 volt, AC-DC motor. 8 ft. power cord has ground connection lead.

**CI1698—Code OB8, 1/4" Drill Capacity.** For light duty use. Speed, 2950 RPM. 12" Long overall. Net wt. 5 1/2 lbs. **\$16.88**  
 Ship. wt., 7 1/4 lbs.  
 YOUR PRICE.....

**CI1744—Code OB4, 1/4" Drill Capacity.** For standard duty use. Speed 1700 RPM. 12 1/2" Long overall. Net wt., 7 lbs. Ship. wt., 8 lbs. **\$19.88**  
 YOUR PRICE.....

**CI1743—** **\$35.63**  
 Model OB-5. YOUR PRICE.....  
 This quality drill has everything. Lots of power, proper speed, correct balance and right price. Same general specifications as above except takes up to 1/2" drill bits and has high grade ball bearings on armature and spindle. Speed 400 RPM at no load. Detachable pipe handle at top. Length overall 16". 15 ft. Power cord. Ship. wt., 16 lbs.



## Meter Repair Service



BEFORE



AFTER

Guaranteed Precision Meter Repair Service for burned out or damaged meters. Typical rates given below, for other repairs send meter for quote. Send Prepaid. We return Collect.

1. Burned out or open armatures of standard 301 type 3 1/2" meters, including polishing of jewels and three point calibration. **\$6.75**  
 YOUR COST.....

2. Repair of Sluggish or Erratic movement of meters where armature is not burned or shorted, also cleaned and calibrated. **\$4.95**  
 YOUR COST.....

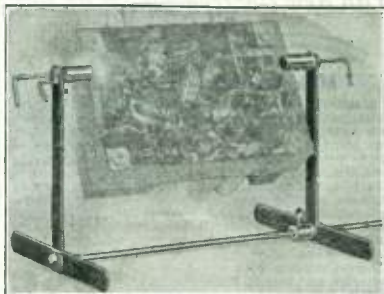
Any additional parts required, such as pointers, springs, zero adjuster, Jewel screws, case, glass, etc., will be charged for at the lowest prices. Note: Be sure your name, address, and instructions are attached to merchandise you send in.

## Midget Aerial Loops

**E9956—Size 4 1/4"x8".** **\$59c**  
 YOUR PRICE.....  
**E9957—Size 7 1/2"x9 1/2".** **\$69c**  
 YOUR PRICE.....

For replacement or installation in Portables and Midget radio sets. Provides excellent selectivity and sensitivity. Eliminates messy trailing aerial wires and in metropolitan districts will give very satisfactory results on practically any radio. Turns may be removed for accurately matching loop to radio. Easily installed in back of cabinet.

## Acro Chassis Cradle



**NI1654—Adjustable radio chassis holder.** Complete with clamps. **\$4.85**  
 Holds any chassis up to 21" long.  
 YOUR PRICE.....

**CI1651—Extra Set Clamps, Pair.....** **\$2.75**  
 Holds any make or size radio, P. A. Amplifier, or power supply chassis in any desired position. Prevents damage to radio components and tubes mounted on the chassis. No more broken dials, smashed tubes or damaged coils—just place chassis in rack and tilt to working position, upside down if you wish. Special mechanical clamps hold chassis in vise like grip—no danger of chassis slipping or falling. Entire assembly sturdily constructed of cold rolled heavy steel.

## Radio Chassis Guards

**CI1649—YOUR PRICE** **\$135**  
 Per Pair....

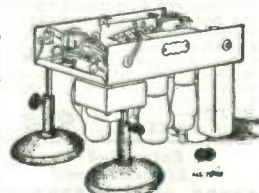
New type low cost, practical chassis guard cradle that conveniently supports radio chassis and protects dial, tubes, coils, etc. against damage when chassis is inverted or carried around. Easily and quickly applied. Adjustable to fit any chassis.



## Radio Chassis Jacks

**DI1650—** **90c**  
 YOUR PRICE  
 Per Pair....

These New All-Metal Chassis Jacks provide a strong yet flexible means of supporting a radio chassis on your work bench. They are quickly adjustable to any chassis regardless of size or shape. They require little space on the bench when not in use. Two pairs of these jacks in any service shop will more than pay for themselves in time saved.



## Bench Stools With Back Rest

**CI6665—26" High. Metal** **\$3.68**  
 seat. Your Price, Each.....  
**With Wood Seat**

**CI6666—24" High.** **\$4.98**  
**CI6667—26" High.**  
**CI6668—28" High.**

These stools enable the radio serviceman to "take the load off his feet" while working. Welded construction, stool will never become wobbly as rivet types inevitably do. Properly reinforced to stand rough handling. Back rest, adjustable in height, can be easily removed and re-installed. Heavy spring bar and hinged back rest provide proper tension for correct body posture. 14" Dia. seat. Bottom of legs well formed to prevent marring floor. Finished in durable olive green enamel.



## Stools without Back Rest

**With Metal Seat** **With Wood Seat**  
**CI6660—26" High** **CI6662—24" High**  
**CI6670—28" High** **CI6663—26" High**  
**CI6671—30" High** **CI6664—28" High**  
 Each **\$2.98**  
 Each **\$2.57**

Note: All above stools can be supplied with rubber feet on special order at 40c extra.



# SOCKET WRENCHES-SCREW DRIVERS

Handy Shop Accessories

## Probe Flashlight

With New Unbreakable Lucite Rod



### Makes Light Turn Corners

A practical, low cost flashlight for radio servicemen, electricians, mechanics and technicians of all kinds. New unbreakable lucite rod takes light around corners and fully illuminates those hitherto inaccessible tough-spots. Saves time and error in making inspections, diagnosing trouble and identifying parts, valves, serial numbers, etc. Invaluable for reading numbers on tube sockets, checking bad solder joints, bad switch contacts and tracing circuits. Flashlight case is made of "Unbreakable" onyx plastic material. On-off switch allows intermittent or permanent operation.

D96—Complete with batteries and Mazda Bulb.  
YOUR PRICE ..... **85c**

D60—Extra batteries for above.  
YOUR PRICE, Per Set of 2 ..... **8c**

## Handiprobe

Speedy Trouble Shooter

K11594—  
YOUR PRICE ... **\$2.45**



A fountain pen size analyzer for quick diagnosis of radio and other electrical troubles. Tests open and shorted condensers while in operation. Tests up to 2000 volts and distinguishes between A.C. and D.C. Tests for static, alignment, output, open and shorted transformers, dielectric efficiency, low volume, oscillation, distortion, fading, etc. Number of tests limited only to ingenuity of user. Overall size is only 9"x $\frac{3}{4}$ ". Made of best quality fiber tubing. Comes equipped with 20' flexible lead and insulated alligator clip,  $\frac{1}{4}$  watt Neon bulb, and complete instructions on how to make all tests.

## Magic Electric Pencil

Engraves and Embosses

An electrically heated scriber about the size of a fountain pen. Embosses in beautiful colors—copper, gold, silver, green, blue, purple, on any material. Reproductions can be made of drawings, designs, initials, emblems, etc. Very useful for marking test panels, tools, books, advertising materials, tube bases, etc. Enough embossing paper supplied to emboss hundreds of words. Works on 100-120 volt A.C. or D.C. Heats quickly. Maintains even temperature. 8 feet cord.

R276—  
YOUR PRICE ..... **98c**



### Extra Foil for Electric Pencil

E5795—Silver E5797—Green  
E5796—Red E5798—Blue  
YOUR PRICE, Each, 36x1" Sheets..... **8c**  
E5789—Gold 36x2 $\frac{1}{2}$ ". YOUR PRICE..... **20c**

## Socket Wrench and Driver Set



N11632—  
YOUR PRICE..... **44c**

A set of seven detachable sockets, together with handle. Fine quality steel. Sizes:  $\frac{1}{4}$ ,  $\frac{1}{2}$ ,  $\frac{3}{4}$ , 1", 1 $\frac{1}{2}$ ", one for turning knurled nuts and a screw driver attachment that handles all sizes of radio screws. Cadmium plated. Wood handle.

## Self Aligning Punches

No Center Guide Holes to Drill

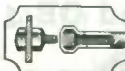
Stock Number	Hole Diameter	YOUR PRICE
E11820	$\frac{1}{8}$ "	\$2.35
E11821	$\frac{1}{4}$ "	2.85
E11822	1 $\frac{1}{2}$ "	2.85
E11823	1 $\frac{1}{4}$ "	2.85
E11824	1 $\frac{1}{2}$ "	2.94
E11796*	1 $\frac{1}{4}$ "	<b>\$3.82</b>
E11797*	1 $\frac{1}{2}$ "	Each



\* Keyed for Amphenol Sockets  
A simple, speedy tool for punching holes in sheet metal (chassis, etc.). Holes cut clean and round with blow of hammer.

## Genuine Spintite

### Hollow Stem Socket Wrenches



For Small Hexagon Nuts

Extra fine quality wrenches. Built to please the most exacting craftsman. Wood handle fits the hand. Stem is hollow to permit use on long projecting screws. Hardened tool steel.

Stock Number	Socket Size	Price Each	K11608 Complete set Seven Wrenches
K11601	$\frac{1}{8}$ "	42c	<b>\$3.10</b> Your Price
K11602	$\frac{1}{4}$ "	42c	
K11603	$\frac{3}{8}$ "	42c	
K11604	$\frac{1}{2}$ "	42c	
K11605	$\frac{5}{8}$ "	42c	
K11606	1"	56c	
K11607	1 $\frac{1}{2}$ "	56c	

### Hollow Stem Hex-Nut Wrenches

High quality tools. Have deep hollow in socket to take any ordinary projection of screw above nut. Fine tool steel shanks. Sockets of specially hardened tool steel. Shank and socket cadmium plated. Finely finished wood handles.

6" Long Stock Number	For Hex. Nuts	9" Long Stock Number
A11610	$\frac{1}{8}$ "	A11617
A11611	$\frac{1}{4}$ "	A11618
A11612	$\frac{3}{8}$ "	A11619
A11613	$\frac{1}{2}$ "	A11620
A11614	$\frac{5}{8}$ "	A11621
A11615	1"	A11622

YOUR PRICE, Each, **.24c**  
Six for **\$1.30**

YOUR PRICE, Each, **.27c**  
Six for **\$1.46**



### With 90° Offset Shanks, 7" Overall

Easily and quickly handle nuts in positions not accessible with straight shank wrenches.

Stock Num.	For Hex. Nuts	YOUR PRICE EACH
K11624	$\frac{1}{8}$ In.	<b>27c</b>
K11625	$\frac{1}{4}$ In.	
K11626	$\frac{3}{8}$ In.	<b>\$1.46</b> K11630—Complete Set of six wrenches YOUR PRICE..
K11627	$\frac{1}{2}$ In.	
K11628	$\frac{5}{8}$ In.	
K11629	1 In.	



### Hollow Handle Radio Wrench Set

N11633—  
YOUR PRICE ..... **65c**

The handiest tool in the serviceman's kit. Hollow handle holds screwdriver socket and 5 wrench sockets: size  $\frac{1}{4}$ ",  $\frac{3}{8}$ ",  $\frac{1}{2}$ ",  $\frac{5}{8}$ " and 1". Handle and shank are  $\frac{7}{8}$ " inches long. Handle is heavily knurled. Finished in white nickel.

### Socket Wrench Set

A11758—  
YOUR PRICE ... **\$132**

Contains 6 $\frac{1}{2}$ " combination screw driver and socket handle, 3 $\frac{1}{2}$ " extension, "L" extension and one each  $\frac{1}{4}$ ",  $\frac{3}{8}$ ",  $\frac{1}{2}$ " hex,  $\frac{5}{8}$ " and 1" square sockets. Also one socket for knurled nuts. Packed in steel box.

A11734—Similar to above but contains: Flexible shaft socket wrench holder (also used as screw driver), 5" "L" extension, 3" straight extension and 8 sockets ( $\frac{1}{8}$ " to  $\frac{1}{2}$ " inc.). List Price, \$3.00.  
YOUR PRICE ..... **\$220**



### Unbreakable Midget Screw Driver



Particularly shaped to fit small screws. Unbreakable amber colored transparent handle  $\frac{1}{8}$ " dia. Specially hardened blade 2 $\frac{1}{2}$ " long,  $\frac{1}{16}$ " dia. Overall length, 4 $\frac{1}{4}$ ". Includes pocket clip.

10 for....**90c**  
A11749—  
List, 15c. YOUR PRICE, **10c** EACH

## 3/32" Blade Knob Screw Drivers

With Transparent High Insulation Handles



Especially designed to fit knob screws, adjustment screws of iron core coils, etc. Will fit the smallest screw used in radio work. Transparent unbreakable shock-proof handle will not loosen.  $\frac{3}{32}$ " Diameter blades of hardened tool steel. Blade tip is no wider than the blade. Supplied with handy pocket clip.

C12086—With 2" Blade } Each C12089  
C12087—With 3" Blade } Set of 3  
C12088—With 4" Blade } **21c** **58c**

### $\frac{1}{4}$ " Blade Screw Driver Set

C11642—Same quality and design as above but with  $\frac{1}{4}$ " diameter blades.  
YOUR PRICE, Set of Three..... **39c**

## Maple Handle Screw Drivers

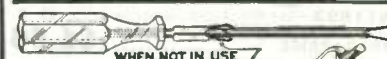
Extra High Quality



K11645—  
Set of 4 **\$1.19**  
Your Price

Substantially made to stand the gaff yet low in price. Handles are of white hardwood in natural varnish finish, fluted for sure grip. Blades of hardened and polished tool steel. Will not turn in handles. Extra heavy steel ferrules. Four drivers with 6, 5, 4, and 3 inch blades. Fits practically every screw used in radio work.

A11635—Screwdrivers similar to above except not as high in quality. Per set of Four.  
YOUR PRICE ..... **65c**



### Hold-E-Zee Screw Drivers

Holds Any Size Screw

### Insulated Unbreakable Handle

Quickly places any type screw in spots not accessible with ordinary screw driver. Screw gripper holds screw firmly while screw is being placed and instantly releases it when desired. Gripper slips along blade to upper end when not in use. Strong insulated unbreakable handle. Hexagonal tool steel blade  $\frac{3}{16}$ " diameter.

C11646—3" Blade, Each..... **45c**  
C11647—4" Blade, Each..... **58c**  
C11648—10" Blade, Each..... **62c**

## Super Grip Screw Drivers

Insulated Handles—Insulated Blades



The finest made and at bargain prices! Tight grip, moulded, polished black composition handles. Offer perfect insulation. Radio sizes have slender hardened steel blades, diameter  $\frac{1}{8}$  inch. Reach the difficult spots. Blades can never get loose or turn in handle. Blade  $\frac{3}{16}$ " dia.

Stock Number	Blade Length	Price Each
K11637	3"	17c
K11638	4"	19c
K11639	5"	21c
K11640	6"	23c

R11636—Set of 4  
One of each size.  
YOUR PRICE

**72c**

## Special Socket Wrench Set



K11631—Handle and five sockets.  
YOUR PRICE ..... **69c**

A specially selected socket wrench set for radio work. Fine quality steel sockets. Size:  $\frac{1}{4}$ ,  $\frac{3}{8}$ ,  $\frac{1}{2}$ ,  $\frac{5}{8}$  and 1 inch for hexagonal nuts. Hollow stems take screws projecting not over  $\frac{1}{4}$  inch.



# TOOLS EVERY RADIO-MAN NEEDS

## 11 Pc. Tap and Die Set

In Handy Wood Case

CI1817  
YOUR PRICE  
**\$1.75**



The most practical tap and die set for radio servicemen. Supplied with three drills, three taps and three dies for cutting either male or female 8/32, 6/32, and 4/36 threads. Also includes "T" wrench for holding taps and wing wrench for holding dies. Fine quality. Packed in handy hinged wood box. Box size 11 1/2 x 3 1/2 x 1 1/4". Made in U.S.A.



### Tap Wrench with Drills and Taps

KI1684—  
Per Set ..... **\$1.52**

Three taps and three drills, one each for 1/8, 3/16 and 1/4" screws. Wrench to hold taps and drills.

## Diagonal Jaw Nippers

KI1681—  
YOUR PRICE..... **49¢**



For fine electrical and radio work. Made of hardened tool steel. Cuts wire clean in tight places. Size 5 1/2 inches.

## Long Nose Pliers

KI1662—  
YOUR PRICE..... **49¢**



The handiest pliers for radio work. A fine quality tool made of fine hardened tool steel.

## Special Thin Nose Pliers

KI1664—  
YOUR PRICE  
**49¢**



Handy radio pliers with long thin jaws for reaching into narrow places. Stub nose will hold nuts firmly. Overall length 6 1/4". Drop forged steel.

## Mayhew Center Punch Set

Tool steel hammer forged center punch set. Set consists of 3 punches: 4" long, 3" long, 2 1/2" long. RI1665—Set of three. YOUR PRICE ..... **37¢**

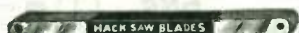
## Keyhole Hack Saw

Cuts steel, bakelite, wood, etc. quickly and cleanly. Strong tight grip frame. 7 1/2 inch long saw blade. Gets into hard corners. Reaches many places ordinary hacksaw cannot touch. Blade very durable; almost unbreakable. Blade easily replaced. Very fine teeth, 18 per in. KI1667—Frame with one blade..... **29¢** RI1668—Extra blades. Each..... **15¢**

## Pistol Grip Hack Saw

RI1669—  
YOUR PRICE ..... **51¢**  
American made. Finest quality. A real bargain. Strong, adjustable to take 8, 10 or 12 inch blades. Moulded handle. One 8" blade included.

## Hack Saw Blades



### Best American Made

24 Teeth per inch. Best for radio use.

CI1670—8-in. Dozen. Your Price..... **59¢**  
CI1671—10-in. Dozen. Your Price..... **75¢**  
CI1672—12-in. Dozen. Your Price..... **88¢**

## Circle Cutters

Adjustable from 1" to 4"

KI1673—  
YOUR PRICE ..... **\$2.25**

For cutting socket holes, meter holes, etc. in wood, bakelite, hard rubber, linoleum, brass, tin, sheet metal, etc. Does first class job and makes clean cut. Drills pilot hole, cuts out material and puts bead or scroll around hole all in one operation. Made of best materials. Best high speed steel cutting bits for use in breast drill, hand brace or drill press.



1/8" Shank



ROUND OR SQUARE SHANK

KI1674—Same as above but without beading Cutter. YOUR PRICE ..... **\$1.30**

## Heavy Duty

For cutting the heaviest of materials. Will cut 1/2" cold rolled steel, 1/2" aluminum, Dashboards of cars, etc. Adjustable from 1" to 5 1/2".

KI1675—Square Shank. Your Price..... **\$2.25**

KI1676—1/2" Round Shank. YOUR PRICE ..... **\$2.25**

KI1677—Extra cutter for either of above. YOUR PRICE ..... **29¢**

## New All-Purpose

## Circle Cutter

Cuts Holes From 1/4" to 8 inches

KI1679—

Your Price

**\$3.24**



A new heavy duty, all-purpose circle cutter. All parts are hardened steel, insuring long life and ability to do the toughest jobs. Hexagon shaft fits brace or electric drill. 1 inch diameter cutting bar holder is fitted with removable centering drill. Any size pilot pin may be used in centering drill's place. 3/4" square cutting bar holds 1/2" high speed cutting bit. A quality, sturdy tool for machine shop, laboratory or serviceman's bench.

## Replacement Parts

AI1666—Cutter for above. Your Price **42¢**  
AI1680—Drill for above. Your Price **30¢**

## HIGHEST QUALITY Alloy Steel Twist Drills

### American Made



Made of alloy steel consisting in part of tungsten which makes these drills far superior to ordinary carbon drills. Straight shanks. Particularly intended for electric drills. Perfectly pointed, precision ground. Extra strong web prevents splitting of drill. Correctly tempered to insure long life. Quality considered, our prices represent extra-ordinary values.

EI1681—Nine drills in Cardboard Box. Sizes 1/16" to 1/2" in 1/16" size graduations. YOUR PRICE ..... **\$1.35**

KI1682—Eight drills in Hardwood Box. Sizes 1/16, 1/8, 3/16, 1/4, 5/16 and 3/4 inch. YOUR PRICE ..... **\$2.95**

KI1683—Eleven drills in Fibre Roll. Sizes 1/16, 1/8, 3/16, 1/4, 5/16, 3/8, 1/2, 5/8, 3/4 and 7/8 inch. YOUR PRICE ..... **\$1.55**



## Tapered Reamer

Enlarges holes in wood, bakelite, or metal. Cutting edge 3 1/2" long and tapered from 1/8" to 1/4". High grade steel. Properly ground edge provides quick, easy reaming.

CI1999—  
YOUR PRICE..... **79¢**

## Radio Servicemen's Tool Box

All are of heavy gauge cold rolled steel, baked on enamel green finish. Nickel plated catches and lock with one key. Paneled sides, ends, top and bottom for rigidity and strength.



KI5870—  
YOUR PRICE  
**82¢**

Handy size for servicemen. Very strong and light. 12 1/2" long, 5 1/2" deep, 6" wide. Safety lock and cantilever tray with adjustable partitions.

## Cantilever Tray Tool Box

Tray Raises as Lid is Opened

CI5872—  
Size 6x6 1/2 x 18".  
YOUR PRICE  
**\$1.39**



Opened

CI5871—  
Size 6x6 1/2 x 14".  
YOUR PRICE  
**\$1.10**

Tray is so fastened that as cover is raised tray is automatically lifted, permitting easy access to bottom compartment. Box has gold rule of full size scale on cover.



Closed

## Portable Model Servicemen's Vises

NI1685—  
YOUR PRICE **\$1.10**

Sturdily built, accurately fitted. Machine cut steel screw. Polished jaws 1 1/2" wide. Red japan body. Convenient to carry in tool box. Shpg. wt., 2 lbs.



## Journeyman's Swivel Bench Model

KI1686—

YOUR PRICE

**\$2.95**



Replaceable hardened steel jaw faces, knurled surfaces. Cold rolled steel bar, screw and handle. Pipe jaws hold pipe 1/4 to 1 1/4". Jaws open 3 1/4" width 3". Swivel base with improved lock, holds fast at any angle. Rugged anvil. The finest vise on the market for Radio and electrical work.

## Handy Pocket Tool Case

Saves the Pocket and the Tools

K5711—Pocket tool case only. YOUR PRICE..... **65¢**

Made of high grade, genuine leather. Double sewed for strength. Has snap fastener on flap. May be carried in hip pocket or fastened to belt. Two partitions large enough to hold all necessary tools for ordinary service call. Saves your pockets from wear and tear. No tools included.



## Radio Wrench Set

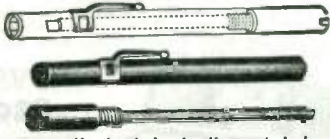
RI1634—  
YOUR PRICE ..... **15¢**

Set of three wrenches in leather case. For all hex nuts measuring 1/4, 3/8, 1/2 and 5/8 inch with alligator jaw for odd sizes. Very handy.



# NEUTRALIZING AND ALIGNMENT TOOLS

## 4 in 1 Aligning Tool Genuine Bakelite



**A11577**—Handy 4 in 1 alignment tool. Has  $\frac{1}{8}$ " and  $\frac{3}{16}$ " hex socket, key slot and  $\frac{1}{4}$ " Dia. screw driver section with securely attached metal nib. Sections fit into each other to form one convenient tool. Made of bakelite. Length overall, 6". Handy pocket clip.  
**YOUR PRICE** ..... **50¢**

## 4 in 1 Aligning Tool With Metal Socket Ends

**C11581**—Heavy Duty 4 in 1 Tool similar to above but has  $\frac{1}{4}$ " and  $\frac{3}{16}$ " metal socket ends. Recommended for shop use where considerable alignment is done. Screw driver is  $\frac{3}{16}$ " dia. 5" Long overall. With pocket clip.  
**YOUR PRICE** ..... **73¢**

## Alignment Tools



**A11596**—Push Button Tuner Adjusting Tool. Insulated handle  $\frac{1}{2}$ " dia. 17" long. Shank  $\frac{1}{4}$ " long.  $\frac{3}{16}$ " dia. socket has recessed screw-driver nib. Fits adjustment screws of variable iron cores used in push button tuners and I.F. & R.F. coils.  
**YOUR PRICE** ..... **38¢**



**C11588**—6" Fibre Tube with full length  $\frac{1}{4}$ " hex. hole. Ends can be cut when worn.  
**YOUR PRICE** ..... **18¢**



**A11589**—8" Long. Price ..... **21¢**



**A11590**—Adjustable No Metal Screw Driver and  $\frac{1}{4}$ " Socket Wrench. Made of strong insulating material. Adjustable from 6" to 11".  
**YOUR PRICE** ..... **50¢**  
**C11591**—Adj. from 10" to 18". Price ..... **65¢**



**A11592**—7" Screw Driver Section Only. Beveled at both ends. Price ..... **29¢**



**D11579**—U.H.F. Alignment Tool. Molded of pure polystyrene material having no body capacity effect on critical high frequency circuits. Ideal for R.F., F.M., Television and Short-Wave alignment. With pocket clip.  
**YOUR PRICE** ..... **24¢**



**A11574**—Metal  $\frac{1}{4}$ " Hex. Socket Wrench and Screw Driver nib are securely fastened on 5" long insulated shaft. Fits into  $\frac{1}{4}$ " hole.  
**YOUR PRICE** ..... **41¢**



**A11597**—For RCA & Philco.  $8\frac{1}{2}$ " x  $\frac{1}{4}$ " dia. Insulated rod has  $\frac{3}{16}$ " hex. socket at one end and specially shaped hook at other.  
**YOUR PRICE** ..... **88¢**



**A11580**— $\frac{3}{16}$ " Alligator Wrench and Screw-Driver nib are securely fastened on  $\frac{1}{4}$ " insulated shaft,  $\frac{1}{4}$ " long.  
**YOUR PRICE** ..... **29¢**

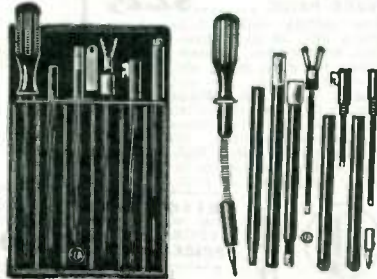


**A11586**—Tuning Wand.  $6\frac{1}{4}$ " Insulated bakelite rod with brass cylinder at one end (inserting end in coil lowers inductance) and iron core at other end (to increase inductance). Indicates proper coil adjustment without affecting trimmer condenser setting.  
**YOUR PRICE** ..... **68¢**



**D11558**—3"x6" Long fibre alignment screw-driver with metal nib on one end and metal hook on other. For air trimmer condensers.  
**YOUR PRICE** ..... **32¢**

## Neutralizing and Aligning Tool Kit



**K11559**—With Leatherette Case. List Price, \$5.00.  
**YOUR PRICE** ..... **\$3.82**  
Every serviceman needs these balancing instruments. This complete outfit provides every tool that you will ever need to neutralize balance or re-align the variable condenser or IF sections of any receiver. Twelve tools, ingeniously designed to telescope into each other, become only four pieces when assembled into the attractive black leatherette carrying case. Also includes flexible shaft screw driver and tuning wand. Bodies are extra strong, made of fine high dielectric hard rubber, fiber and bakelite. Fittings are polished nickle plated brass.

Same as above but without flexible screw driver and tuning wand, making twelve distinct tools which telescope into four pieces.

**K11560**—Complete with leatherette case. List Price, \$4.00.  
**YOUR PRICE** ..... **\$3.23**

## Five-in-One Neutralizer Compensator and "Tool Kit"



**N11582**—  
**YOUR PRICE** ..... **73¢**  
Combines in a fountain pen size compact tool that can be carried in your vest pocket,  $\frac{1}{4}$ " and  $\frac{3}{16}$ " nut wrenches, miniature blade screw driver for neutralizing and a full size insulated handle general purpose screw driver. Made of fine quality extra strength fiber. Fountain pen clip prevents losing from pocket. When closed, no sharp points are exposed to wear clothing.

## Fused Test Leads

Heavy duty laboratory type test leads. Long phone needle type prods have provisions for inserting any 3AG or 8FE fuse. Can be used without fuses. 50" kinkless rubber covered wire leads. Insulated banana type plugs on other end with interchangeable fittings. Coded red and black. Fuse included.

**D11578**—  
**PRICE, Per Pair** ..... **\$1.76**



## Heavy Duty Needle Point Type

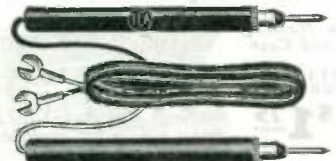
**D11142**—With Spade Ends. Per Pair, ..... **73¢**  
**D11587**—With Alligator Clips. Per Pair, Each, ..... **88¢**  
**D11598**—With Insulated Phone Tip Ends. Per Pair, Each, ..... **88¢**  
6" Long slim handle heavy duty prods with removable phone needle chuck. 50" Long kinkless rubber covered wire leads. Coded red and black.

## High Voltage Test Leads

**D11543**—  
**YOUR PRICE, Per Pair** ..... **\$2.12**  
Heavy duty laboratory type test leads constructed for safely testing voltages up to 10,000 volts. Recommended for television and transmitter testing. Consists of 6" long heavily insulated bakelite prods with finger grip guards, 50" long, 18 gauge, 67x36 stranded flexible wire leads with heavy rubber covering measuring  $\frac{3}{16}$ " in diameter and 2" long insulated plugs on other end. Prods and plugs have replaceable threaded phone tips. Prods and leads coded red and black.



## Testing Leads



**For Heavy-Duty Laboratory Use**  
**C11548**—Spade Ends. **YOUR PRICE, Per Pair** ..... **73¢**  
**D11542**—With phone tip plugs. **YOUR PRICE PER PAIR** ..... **73¢**

Polished, lustrous high di-electric handles 5" long (over-all)  $\frac{3}{16}$ " diameter. One red, one black for polarity indication. 60" long flexible heavy duty leads in colors to match prods. Point screws into prod handles. All connections are soldered, providing low resistance connections.

## With Phone Tip Prods



**K11549**—Spade Ends. **K11550**—Tip Ends. Per Pair, ..... **41¢**

Polished lustrous high di-electric handles, 3" long (overall)  $\frac{3}{16}$ " diameter. One red, one black for polarity indicating. 50" long flexible cables.

## With Finger Grip Molded Tips

5" pencil type prods made of high dielectric insulation material. Sharp pointed threaded tips screw into handles. 60" Long kinkless wire leads. Phone tips molded into dielectric finger grips. All connections soldered. Finger grips and prods are one each red and one each black.  
**D11547**—  
**YOUR PRICE, Per Pair** ..... **88¢**



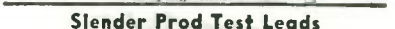
## With Renewable Phone Needle Prods

**K11552**—Spade Ends. **K11553**—Tip Ends. **YOUR PRICE** ..... **50¢**  
**K11554**—Alligator Spring Clip Ends. **YOUR PRICE** ..... **56¢**  
Polished lustrous high di-electric handles,  $4\frac{1}{2}$ " long (overall)  $\frac{3}{16}$ " diam. One red, one black. 50" Long leads. Needles easily changed.



## With Unbreakable Test Prods

**C11512**—  
**YOUR PRICE, Per Pair** ..... **59¢**  
Prods are made of  $6\frac{1}{4}$ " long,  $\frac{1}{4}$ " dia. solid brass with needle point tips and Red and Black shock-proof live rubber sleeves. 50" kinkless, flexible rubber wire with insulated solderless plug ends.



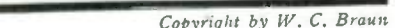
## Slender Prod Test Leads

**With Interchangeable Tip Ends**  
New 7" long overall,  $\frac{3}{16}$ " dia. test prods. Extra strong, high insulation fibre handles. Spring prong ends provide a quick positive means of changing from one type of tip to another. Included are one pair each; alligator spring clips; tapered spade lugs and the new needle point phone tips for piercing insulation. Prods also fit all standard phone tip jacks. Complete with one black and one red 5 foot flexible wire.  
**R11546**—  
**Per Set** ..... **\$1.32**



## With Non-Interchangeable Ends

**C11555**—With Spade Ends. **C11556**—With Phone Tip Ends. Per Pair, ..... **68¢**  
**C11557**—With Alligator Clips. Per Pair, ..... **73¢**  
7" Long,  $\frac{3}{16}$ " dia. prods with sharp phone type tips, 5 ft. flexible wire leads. Above end fittings permanently attached to leads.





# TEST LEADS • PRODS • JACKS • PLUGS

## Neon Tattelite Tester



With Non-Breakable Neon Lamp

**A11186—**  
YOUR PRICE ..... **65¢**  
Convenient testing light for locating electrical voltages, defective fuses, resistors, condensers, etc. Shows whether current is AC or DC (AC causes both electrodes to glow, on DC only negative glows). Glows at only .0005 ampere current. Operates on 90 to 550 volts. 5" insulated leads fitted with pin tips.

## Short Tester



**A11179—** Complete with battery and bulb.  
YOUR PRICE ..... **\$1.18**

Handy test prod with built-in battery and bulb. Indicates whether circuits are opened or closed.

## Probe Light



**C11764—**  
YOUR PRICE ..... **88¢**

An indispensable fountain pen size probe light. Provides plenty of light where and when you want it. Bulb is completely protected. Supplied with 6 foot cord and plug. For 105-120 volt, AC-DC operation.

## Snap Type Insulated Test Handle

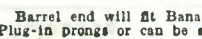
**K11452—**Black Color.  
**K11453—**Red Color.

YOUR PRICE EACH **42¢**

A new "deep sea" electric test clip that eliminates danger of short circuits. A 6" long insulated fibre tube is fitted with spring contact jaws operated by a push of the thumb. Test wire connected under insulated binding post. Will pick up screws, etc., dropped into inaccessible places.

## Alligator Test Clips

New type. Long thin jaws. Strong spring will grasp the smallest terminal lug or lead with a tight, sure, positive contact.



Barrel end will fit Banana Type Spring Contact Plug-in prongs or can be securely soldered to test cable.  
**K11457—**Small size. 2" long, 1/4" wide.  
YOUR PRICE, EACH ..... **4¢**  
Ten for ..... **36¢**

**C11500—**Small size as above but with screw for solderless lead connection.  
YOUR PRICE, EACH ..... **5¢**  
10 for 40¢  
**K11458—**Large size. 2 1/2" long, 3/8" wide.  
YOUR PRICE, EACH ..... **7¢**

## Insulated Alligator Clips



Fits Banana Plugs  
High di-electric insulated 3/4" handle is forced over barrel end of clip. 3/4" wide. Fits banana plugs or can be soldered to leads. 2 1/2" Long overall.  
**C11459—**Red } PRICE  
**C11460—**Black } EACH ..... **10¢** Ten for 90¢

## Wee Pee Wee Test Clip



Smallest alligator clip. Made of spring temper phosphor bronze. Will not heat up in HF circuits.  
**A11442—**  
YOUR PRICE, Each ..... **10¢**  
Ten for 90¢

## Alligator Tip Clip



Combines the utility of an alligator test clip with standard phone tip. Clips onto bare wires or plugs into binding post or tip jack.  
**C11400—**  
YOUR PRICE, Each ..... **12¢**  
Ten for 95¢  
See page 37 for rubber insulators and complete listing of other clips.

## Long Test-Prod Handle With Sharp Point Phone Tip End



Hollow high di-electric insulated handle. 5 1/2" long overall. 3/4" diameter. Sharp point phone tip terminal. Fits standard phone tip jack. No soldering necessary.  
**C11465—**Red } PRICE  
**C11466—**Black } EACH ..... **24¢**

## With Needle Point Tips

Has removable needle type chuck with high di-electric insulated handle. 5" Long overall.  
**D11461—**Red } PRICE  
**D11462—**Black } EACH ..... **24¢**

## ICA 7" Test Prod Handles



Long narrow test prods. Made of sturdy Fenolite material. Brass nickel plated fittings, screw into handle. 7" Long overall. 3/8" Diameter.  
**C11502—**Red } Solderless  
**C11503—**Black } Phone Tip Ends  
**C11454—**Red } PHONO  
**C11455—**Black } NEEDLE ENDS  
EACH ..... **29¢**

## High Voltage Test Prods

Heavy duty bakelite prod handle with finger guard for safely testing high voltages. Removable threaded phone tip. 6" Long overall.  
**D11473—**Black, Type A.  
YOUR PRICE, Each ..... **59¢**

## High Voltage Test Plug

Heavy duty bakelite plug handle with removable threaded phone tip. 2" Long overall.  
**D11474—**Black, Type B.  
YOUR PRICE, Each ..... **26¢**

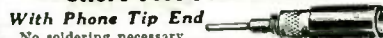
## Insulated Midget Phone Tip Plug

Bakelite handle with removable threaded phone tip. 1 1/4" Long overall. Type B.  
**D11475—**Red } PRICE  
**D11476—**Black } EACH ..... **9¢**

## Replacement Threaded Phone Tip

**D11479—**Brass nickel plated threaded tip to fit prods having removable threaded phone tips.  
YOUR PRICE ..... **7¢**  
Each.....

## Short Test-Prod Handle



With Phone Tip End  
No soldering necessary.  
Hollow high di-electric insulated handle. 2" long overall. 3/8" diameter. Solderless.  
**C11471—**Red } PRICE  
**C11472—**Black } EACH ..... **11¢**

## Solderless Tip Plug



**K11812—**  
Your Price, Each ..... **6¢**  
No soldering necessary. Positive connection. Brass nickel finish. 1 1/2" Long overall. 3/4" Tip.

## Midget Solderless Plug



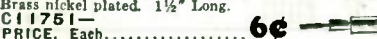
Brass nickel plated. 1 1/4" Long overall. 3/8" Tip.  
**D11480—**  
YOUR PRICE, Each ..... **6¢**

## Solder Cord Tips Brass Nickel Plated



**A11811—**  
TEN For ..... **13¢**  
Per hundred ..... **\$1.20**

## Heavy Duty Cord Tip



Brass nickel plated. 1 1/2" Long.  
**C11751—**  
PRICE, Each ..... **6¢**

## Grip-Rite Molded Phone Tip Plug



Standard phone tip fits any tip jack. Neat and compact in appearance. More convenient to use than old type tips. Made of Fenolite insulation.  
**C11507—**Red  
**C11508—**Black  
YOUR PRICE, Each ..... **27¢**

## Heavy Duty Plugs and Jacks



Improved heavy duty type for transmitters, diathermy apparatus, etc. Will handle heavy RF currents. Heavy insulated bakelite handles and threaded heads.  
Plugs: 1/2x1/2" Contact. 1/2x2" Handle.  
**D11485—**Black }  
**D11486—**Red & Black } 27¢  
Jacks: Size 1/2x2". Fits panels up to 3/4" thick. Each  
**D11487—**Black }  
**D11488—**Red & Black } 47¢

## Standard Tip Jacks

Solid brass, nickel plated. Takes any phone tip. Positive connection. Requires 3/4" hole on panels up to 3/4" thick. With nut and solder lug.

**A11810—**  
EACH ..... **7¢**



## Insulated Top Jacks For Standard Phone Tips



Insulated top. Hold phone tips straight and tight. Fits 3/4" holes in panels up to 3/4" thick. Fiber shoulder washer and nut included.

**C11477—**Red } PRICE  
**C11478—**Black } EACH ..... **9¢**  
With Bakelite Tops  
**C11753—**Red } PRICE  
**C11752—**Black } EACH ..... **11¢**

## Hexagon Insulated Top Jacks

Quality tip jacks with positive contact phosphor bronze spring. Fits standard solder cord tips listed above. Mounts in 3/4" hole in panels up to 3/4" thick. \*Includes insulating washers.

**A11211—**Red\* | **A11213—**Brown  
**A11212—**Black\* | **A11214—**Orange  
PRICE. | **A11215—**Yellow  
**EACH.... 12¢** | **A11216—**Blue  
PRICE, Each. .... **12¢**

## Insulated Banana Jacks

Insulated top banana jack. Provides a secure low resistance connection. Fits 3/4" holes in panels up to 3/4" thick. Shoulder washer included for metal panels. Solder lug terminal also included.

**C11525—**Red } PRICE  
**C11526—**Black } EACH ..... **9¢**  
With Bakelite Top  
**C11148—**Red } PRICE  
**C11149—**Black } EACH ..... **11¢**

## Metal Jack

For Banana Type Prongs

Made of brass nickel plated. Hold prongs securely. Provide sure contact. Fits 1/4" hole. Shank 3/4" long. Lock nut and solder lug included.  
**K11546—**Each ..... **7¢**



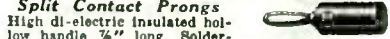
## Threaded Banana Plugs



**C11544—**  
EACH ..... **7¢**

Fits jacks listed below. Provides secure contact. Threaded shank and nuts for mounting on coils, terminal strips, etc. 1 1/2" Long overall.

## Insulated Banana Plugs



Split Contact Prongs  
High di-electric insulated hollow handle 3/4" long. Solderless screw connection for test lead.  
**C11519—**Red } PRICE  
**C11520—**Black } EACH ..... **12¢**

## Banana Plug End Fittings

Insulated handles color coded. Fit above and all other standard banana plugs. Can also be soldered on wire leads.

Tip End Spade End  
**C11143—**Red } **C11145**  
**C11144—**Black } **C11146**  
YOUR PRICE, EACH ..... **11¢**

**C11147—**Spade end as above but not insulated.  
TWO for ..... **6¢**

## Complete Alignment Tool Kit



**D11593—**Contains 21 individual alignment tools, consisting of trimmer wrenches, screw-drivers, tuning wand, test leads, etc., to service practically every radio receiver. Leatherette carrying case included. List price of tools if purchased individually, \$18.50.  
YOUR PRICE, Only ..... **\$10.44**



# Soldering Irons and

# SOLDERING NECESSITIES

## ICA Electric Soldering Irons

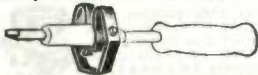


Stock Number	Watts	Tip Diam.	Length Overall	List Price	Your Price
K11724	60	3/8"	10"	\$4.50	\$2.65
K11725	85	1/2"	11 1/2"	5.50	3.23
K11726	115	3/4"	13 1/2"	6.50	3.82

One of the finest Soldering Irons ever made! Bound to give long satisfactory service. (Absolute Guarantee on Heating Element for a Full Year of Use!)

Heats quickly, holds heat a long time. 3/4" solid copper alloy plunger tip. Fine quality 6 foot heater cord. Unbreakable rubber attaching plug. Polished nickel barrel. Black rubberoid handle. First quality in every point! For 105-120 volt current A.C. or D.C.

**Snap-on Holder is supplied FREE with every ICA Soldering Iron**



## Soldering Iron Bargain



**C11737—**  
For 105-125 volt current.  
**YOUR PRICE \$39c**  
10 for \$3.70

An amazingly low priced electric iron for all light soldering. Ideal for use where only occasional soldering is done. 3/8" tip. 3 ft. Cord and plug.

## Drake "Special Value" Irons

Extremely handy midjet-sized soldering irons that are suitable for light radio work, and for soldering in tight places. Underwriters Approval. 40 Watt element provides unusually economical operation. Has 6 foot rubber cord and plug, wood handle. Convenient metal stand. Will last longer and is more serviceable than No. 11737 listed above. For 110 volt AC DC operation. Shpg. Wt. 1 lb. **E11721—**No. 3 40 watt. 3/8" screw tip. Length 10". List Price, \$1.25.

**YOUR PRICE \$75c**

**E11720—**No. 315 60 watt. 3/4" screw tip. Length 12". List Price, \$1.20.

**YOUR PRICE \$71c**

## Kester Quality Solder

### Kester Rosin Core Solder

Best for fine radio connections. Flux is in the solder. Makes strong, low resistance joint.

#### 3/32" Diameter

Stock Num.	Quantity	Your Price
C5755	4 oz. Can	18c
C5756	1 lb. Spool	64c
C5757	5 lb. Spool	\$3.00
C5752	20 lb. Spool	\$11.40

#### 1/16" Diameter

C5753	1 lb. Spool	67c
C5754	5 lb. Spool	\$3.25

## Kester Acid Core Solder

**C5758—Per Can** | **C5759—1 Lb. Spool**  
**YOUR PRICE 18c** | **YOUR PRICE \$1.96**

## Kester Aluminum Solder

### Flux Filled

**C5760—Per can.** | **C5765—1 lb.**  
**YOUR PRICE 18c** | **YOUR PRICE \$1.96**

## Kester Tinning Block

Replaces ordinary sal-ammoniac. Cleans and "tins" soldering irons very speedily. Will not crumble or cause any corrosion on the work.

**C5766—1/4 lb. Size,** **YOUR PRICE \$15c**

**C5767—1/2 lb. Size,** **YOUR PRICE \$25c**

**C5782—1 lb. Size,** **YOUR PRICE \$44c**

## Solder Paste

**C5768—2 oz. Can.** Non-corrosive. Assures perfect electrical connection. **YOUR PRICE \$12c**

**Solder Prices are Subject to market change**

## "Esico" General Purpose Electric Soldering Irons



Extraordinary high quality irons. One piece blued steel cases. Rich dark mahogany handles. Replaceable forged copper tips. Grade "A" nickel chrome elements wound on highest quality mica insulation. Underwriters approved 5 ft. cords with unbreakable rubber plugs. For 105-120 volts A.C. or D.C. operation. Guaranteed for one year.

### With Screw-On Pointed Tips

**D11710—Esico Nick Nack.**  
55 watts. 3/8" tip. Length 11 1/2".  
**YOUR PRICE \$74c**

Stock Number	Watts	Tip Diam.	Length Overall	List Price	Your Price
C11710	55	3/8"	11 1/2"	\$5.74	15c
C11711	65	1/2"	12 1/2"	1.15	21c
C11712	100	3/4"	14 1/2"	1.74	26c
C11713	150	1"	16 1/2"	2.94	21c

## "ESICO" Constant Duty Industrial Soldering Irons



Hard drawn tinned copper plunger type tips, replaceable. One year guarantee. Grade A nickel chrome resistance wire wound on lava insulators encased in blue steel one-piece case. Long life. Quick heat. Maintains a constant even temperature. 6 foot heavy duty cord. Handle never gets hot. For use on 105-125 volt current.

Stock Number	Watts	Tip Diam.	Length Overall	List Price	Your Price
K11706	65	3/8"	10 1/2"	\$5.00	\$2.94
K11707	110	1/2"	12 1/2"	5.50	3.23
K11708	200	3/4"	14 1/2"	8.75	5.15
K11709	310	1"	16 1/2"	10.25	6.03

## Hotspot Soldering Irons



An exceptionally fine quality iron suitable for continuous use under severe conditions. Unbreakable bakelite handle with spring cord protector and cord strain relief. Heat retarding fins keep handle cool. Grade A chromel element with highest grade amber mica insulation wound on steel core. Plunger type tip easily replaced. 5 1/2" Cord. Metal stand included. For 110-120 Volt. AC-DC operation.

Stock Number	Watts	Tip Diam.	Length Overall	List Price	Your Price
C13068	85	3/8"	12 1/2"	\$5.00	\$2.94
C13069	100	1/2"	13 1/2"	5.50	3.23
C13070	150	3/4"	13 1/2"	6.00	3.53
C13071	200	1"	13 1/2"	8.00	4.70

## COPPER REPLACEMENT SOLDERING TIPS

**Fits Drake, American Beauty, etc.**

Stock Number	Tip Diameter	Tip Length	YOUR PRICE
E11702	3/8"	4"	41c
E11731	1/2"	3 1/2"	41c
E11728	3/4"	4 1/2"	44c
E11732	1"	3 1/2"	53c
E11703	3/8"	3 1/2"	37c
E11704	1/2"	4 1/2"	69c

## Sal-Ammoniac Cake For Cleaning Iron Tips



Speedily cleans and brightens the soldering copper, causing solder to flow smoothly. Insures good solid joints with minimum of resistance. Will last many months in continuous service. Most convenient to use. **C5769—Per 1/2 lb. Cake \$29c**

## Gardiner Rosin Core Solder

Dependable quality at a substantial saving. Non-corrosive, pure rosin core assures perfect connection. **C5763—3 oz. Can. \$13c**  
**YOUR PRICE \$13c**  
**C5764—1 lb. Spool. \$62c**  
**YOUR PRICE \$62c**



## Drake Soldering Irons De Luxe Models



Guaranteed perfect in workmanship and material. Gives quick heat and long satisfactory service. Meets Underwriters' approval. Highest quality nichrome wire element wound on amber mica enclosed in one piece nickel plated housing. Tips machined from hard copper rod and nickel coated to prevent corrosion. Set screw securely holds tip.

Perfectly balanced handle always kept cool by heat dissipating fins. Spring at handle prevents cord wear. 5' high grade cord fitted with rubber plug. For 105-120 volts, A.C. or D.C. operation. "Magic Cup" Stand described below supplied free.

### With Plunger Type Pointed Tips

**E11722—No. 325S 125 watt. 3/8" tip. Length 12".** List Price, \$5.00. **YOUR PRICE \$294**

**N11747—Code 425. 200 Watt. 3/4" tip. Length, 14".** List Price, \$8.25. **YOUR PRICE \$485**

## Drake "400" Midget

An extra small iron particularly suited to servicing midget radios. Same high quality construction as above irons. 10 1/2" long overall. 1/4" dia. plunger type tip. 60 Watt element. Has 6 ft. heater cord and rubber plug. Magic Cup stand described below.

**E11700—List Price, \$4.50.**  
**YOUR PRICE \$265**

## Standard Models



Sturdy dependable irons for all shop or service requirements. Easy to grip wood handle. Heating elements are of highest grade nichrome wire wound on genuine mica. Reaches soldering heat quickly. Equipped with spring to protect the 6 foot line cord. Soft rubber plug. Tips are nickel coated to prevent corrosion. Handle remains cool. For 115 Volt AC or DC operation.

**N11745—Code 225. 80 Watt. 3/8" tip. Length, 12 1/2".** List Price, \$3.50. **YOUR PRICE \$206**

**N11746—Code 325. 100 Watt. 3/4" tip. Length, 12 1/2".** List Price, \$4.15. **YOUR PRICE \$244**

## Economy Models



Excellent irons for light work and tight corners. Highest quality nichrome wire wound on genuine mica used in porcelain element. Comes complete with 6 foot heater cord, rubber plug and small stand. Gun metal finish. For 115 V. AC-DC operation.

**E11778—No. 317—65 watt. 1/4" tip. Length 12 1/2".** List Price, \$2.25. **YOUR PRICE \$132**

**E11779—No. 320—100 watt. 3/8" tip. Length 13 1/2".** List Price, \$3.00. **YOUR PRICE \$176**

## Drake "Magic Cup" Iron Stand



A twist of the iron tip and all oxide coating disappears. 7 1/2" long. **D11701**  
**Your Price \$35c**

## Drake Heat Control

**C11740—Without guard over iron rest.** **YOUR PRICE \$235**

**C11741—With guard over iron rest as shown.** **YOUR PRICE \$265**

Has built-in resistance unit to provide low heat for keeping iron warm when not in use. A flip of the switch provides high heat and iron is ready for use. Protective guard over iron rest. Adjustable iron rest takes any iron. Has outlet receptacle and 4 ft. cord with plug. Sturdy all metal construction, cadmium plated.

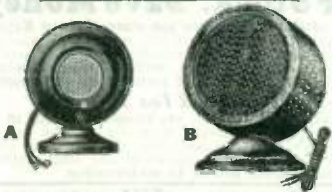




# Radio Experimenter's Supplies

## DESK MICROPHONE

Make your own broadcast over your own radio to entertain your friends at gatherings, parties, etc. These microphones will provide much amusement and surprise. They are easily attached to any set without rewiring and can remain attached without interfering with the radio's reception. Mikes are supplied with adapters, attachment cords and instructions for easily attaching to any radio.



**C9968—Type A—Carbon Microphone**—Single button carbon mike in brown enameled metal case 3 1/2" high. With cord and adapters. **69¢**

**C9984—Type B—Quam Microphone**—High impedance permo-magnetic microphone. Can be used on wireless record players, radio sets, etc. Connects directly to tube grid. No field excitation necessary. Freq. range 60 to 8000 cps. Output—50 Db. Case 5 1/2" high. Cord with phone tips, no adapters supplied. **YOUR PRICE..... \$223**

## Permo-Magnetic Microphone

**E9967—A** high quality microphone using the new type high impedance permanent magnet unit. The high impedance output permits direct connection to tube grid and ground. Highly sensitive. Frequency range of 60 to 8000 cycles assures perfect response. For either hand or desk use with receivers, amplifiers, transmitters, record players, recorders, etc. Contained in attractive, professional type crystalline finished case with metal base. 5 Ft. Cord with phone tips and full instructions included. **YOUR PRICE..... \$323**

## Hand Microphone

A popular style hand type carbon microphone for use on any radio set or amplifier. Looks like a professional type. Equipped with an "On and Off" switch for cutting off radio programs and bringing in home broadcasters voice very clearly. Has excellent volume and sensitivity. **E9069—Hand microphone** in metal case. Complete with 10 ft. of cord. **YOUR PRICE..... \$176**

## Microphone-Speaker

**Oxford P.M. Type**  
A new midget 3 1/4" PM dynamic speaker housed in brown bakelite case, size 4x4 1/2x1 1/4". Useful for many applications such as auxiliary extension speaker, intercommunication systems, etc. Requires no field excitation. The microphone model is of dynamic type and is unusually sensitive with good frequency response. Just connect to output transformer of receiver or to grid of tube when used as microphone. Voice coil imp. 3 1/2 ohms. **E15658—For use as speaker.** Less output transformer. Use output transformer on receiver or transformer listed below. **YOUR PRICE..... \$265**  
**E15659—For use as microphone.** Includes shielded input transformer for matching speaker to tube grid of amplifier or radio. **YOUR PRICE..... \$353**  
**E6953—Universal Tube Output Matching Transformer** for above. **YOUR PRICE..... 73¢**

## Code Practice Set

**E9961—Single Unit** **YOUR PRICE \$132**  
**E9962—Double Unit** with 50 ft. wire for two-way communication. **YOUR PRICE..... \$273**  
Suitable for code practice or sending and receiving between two stations. Consists of high frequency buzzer and blinker light with change-over switch for using either, and telegraph key. Uses 2 standard size flashlight cells at each unit. Code instruction card mounted on top of unit. No batteries included in prices quoted above.  
**E58—Flashlight Cells.** (Total of four required) **EACH..... 7¢**

## Carron Crystal Sets

Provides real economical radio enjoyment in localities near broadcasting stations. Housed in attractive solid walnut cabinets. Full instructions included with each set.



**Midget Model**  
**A16400—Set** with single headphone and roll of ground wire. Size, 4 1/2x3 1/2x2 1/4". **YOUR PRICE..... \$167**  
**D16401—Set only.** **YOUR PRICE..... 97¢**

## "Wireless" Phono Oscillator Kit



A complete kit of parts for constructing your own phonograph oscillator. Permits any record player having a high impedance magnetic or crystal pickup to be played thru any broadcast receiver without connection between the two. Compactly designed so as to fit into the record player case. Chassis finished in gray crackle lacquer. Adjustable trimmer permits oscillator to operate between 900 to 540 Kc. Uses 70L7GT tube. For use on 105-120 volt. AC or DC use. **D16422—Less tube.** **YOUR PRICE..... \$225**  
**D1335—Sylvania 70L7GT Tube.** **YOUR PRICE..... \$1.18**

## Philmore Crystal Sets "Little Wonder Set"



**D9006—YOUR PRICE.... 69¢**  
Compact in size but big in results. Receives broadcasts within 25 miles from station. Open type, super-sensitive crystal detector permits finest adjustments to be made. Slider is provided for station selection. Attractive bakelite case.

## The "De Luxe"

**C9001—YOUR PRICE..... \$231**

Looks like a midget receiver. All one has to do is to hook up the aerial and the ground and headphones and tune in. Two pairs of headphones can be used. Housed in beautiful bakelite case. Crystal detector is set to most sensitive spot and permanently sealed. Tuning dial is operated by knob for station selection. Complete less headphones and aerial.



## The "Supertone"

**C16407—YOUR PRICE..... 98¢**  
A well constructed crystal set. Gives loud and clear reception. Has glass enclosed fixed crystal detector. Bakelite case. Range about 25 miles.



## Crystal Sets

### "Top Notch"

**C9000—YOUR PRICE..... \$132**  
A super sensitive crystal set. Crystal is mounted under dust proof glass cover. Brings in stations with full volume and clarity. Housed in black crystalline metal case. Complete but less headphones and aerial.



### "Low-Loss"

**C9002—An inexpensive crystal set** that will bring in many programs. Has adjustable slider for station selection. Simple to operate. Complete less headphones and aerial. **YOUR PRICE..... 79¢**

## Philmore 1 and 2 Tube Radio Sets and Kits

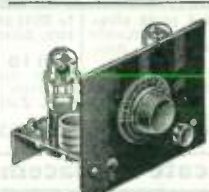
Efficiently designed 1 and 2 tube radio sets and kits. Easy to wire. Large picture diagrams makes errors almost impossible. Uses plug-in coils to tune the broadcast and short-wave bands (13 to 550 meters) covering police calls, amateur bands, etc. Sets are complete including broadcast coil. Batteries, tubes, headphones, short-wave coils and aerial are not included.



**1 Tube Battery Set**—Uses one type 30 tube, one 1 1/2 volt A battery and one 45 volt B battery.  
**C16410—Kit.** **YOUR PRICE..... \$159**  
**C16411—Wired.** **YOUR PRICE..... \$239**

**2 Tube Battery Set**—Uses two type 30 tubes, one 1 1/2 volt A battery and two 45 volt B batteries.  
**C16412—Kit.** **YOUR PRICE..... \$183**  
**C16413—Wired.** **YOUR PRICE..... \$275**

**2 Tube AC-DC Set**—Uses two type 76 tubes. Operates on 110 volts either AC or DC current.  
**C16414—Kit. Not wired.** **YOUR PRICE..... \$268**  
**C16415—Wired.** **YOUR PRICE..... \$368**

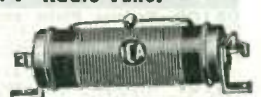


**2 Tube AC-DC Kit**  
Uses two type 76 tubes and plug-in coils tuned by a variable condenser giving excellent selectivity and volume for headphone reception. For 110 volt AC or DC operation.  
**D16408—Kit.** **YOUR PRICE..... \$398**

Set of 4 Short Wave Coils, 13 to 240 Meters.  
**C9675—For Battery Sets.** **YOUR PRICE, Per Set..... 98¢**

## "3 in 1" Radio Tuner

**D9005—YOUR PRICE..... 41¢**



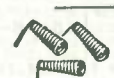
For installation in antenna circuit to serve as wave trap for elimination of undesirable signals, aerial eliminator or an antenna tuner to improve selectivity of set. Instructions included.

## Mounted Detector Crystal

**C10556—Sensitive mounted detector crystal.** Fits all standard crystal holders. **YOUR PRICE..... 59¢**

## Meter Tested Crystal

**C9012—Genuine Galena.** Tested on sensitive laboratory meters to provide highest efficiency. **YOUR PRICE..... 15¢**



## Cat Whiskers

**C9013—Spring wire** silvered to give best results. Correct tension holds sensitive spot. Set of Three..... **15¢**

## Crystal Detector Assembly

**C9010—Universal joint swivel arm** for quick adjustment. Includes crystal. **YOUR PRICE..... 21¢**



## Enclosed Crystal Detector

**C9011—Ideal for crystal reflex circuits.** Dust proof glass enclosed assembly. Includes crystal. **YOUR PRICE..... 29¢**



## Fixed Crystal Detector

**C9003—Sensitive Galena Crystal** with contact permanently set for maximum efficiency. Mounted in molded case. Screw terminals. **YOUR PRICE..... 59¢**







# KEYSTONE

**For 6 Volt  
Auto and Home  
RADIOS**

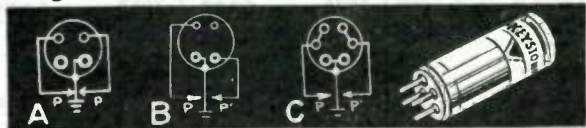
## Replacement Vibrators

**4 Prong  
Universal  
Replacement  
Non-Synchronous Vibrator  
For Motorola-RCA-Zenith, Etc.**

List Price, \$2.25  
Your Price, **\$1.15**  
Each, in Lots of 6.....  
In Single Lots Each ... **\$1.19**

**B5384**—Compact 4 prong non-synchronous vibrator. For replacement use in hundreds of radio receivers including: Admiral, Airline, Arvin, Atwater-Kent, Continental, Crosley, Delco, Detroit, Emerson, Firestone, Ford, GE, Howard, Motorola, RCA, Silvertone, Wells-Gardner, Zenith and others. Size,  $3\frac{1}{2} \times 1\frac{1}{2} \times \frac{1}{2}$ .

### Special Non-Synchronous Vibrators



**D5111-A.** Standard 4 prong plug-in vibrator. Used in certain models of Stewart Warner, Zenith, etc. Size,  $3\frac{1}{2} \times 1\frac{1}{2} \times \frac{1}{2}$ .  
**D5186-B.** Special 4 prong plug-in vibrator. Fits standard 6 prong socket. Size,  $3\frac{1}{2} \times 1\frac{1}{2} \times \frac{1}{2}$ . Used in Delco R640. List Each, \$3.55.  
**ANY TYPE, YOUR PRICE, Each, \$1.33.**  
In Lots of 6 or More, Each.....

to R644 and R663 to R688, United Motors, Silvertone and Colonial.  
**D5119-C.** Six prong plug-in vibrator used in Arvin, A.K., Bosch, Emerson, Ford, Mont. Ward, Silvertone, Zenith, etc. Size,  $3\frac{1}{2} \times 1\frac{1}{2} \times \frac{1}{2}$ . List Each, \$3.55.  
**ANY TYPE, YOUR PRICE, Each, \$1.28.**  
In Lots of 6 or More, Each.....

### Exact Duplicate Replacements for Philco



**D5100**—Replaces Philco part 38-5036 and 41-3186. Size,  $4\frac{1}{2} \times 1\frac{1}{2} \times \frac{1}{2}$ . Used in all sets up to 1936. 816, 816B-C-P, PT14X, T2, T3, T5, T6, NT15, ST15, PHXD. List, \$3.00.  
**D5101**—Replaces Philco part 41-3170. Size,  $3\frac{1}{2} \times 1\frac{1}{2} \times \frac{1}{2}$ . Used in Models 817, 818, 819, 826, 827, 828, and many other 1936, '37, '38 Models. List, \$2.50.  
**ANY TYPE, YOUR PRICE, Each, \$1.19.**  
In Lots of 6 or More, Each.....

### Exact Replacements for Motorola



**D5102**—Replaces Motorola vibrator part numbers 2404, 48A3333B, 3340, 3552 and 38X3333 as used in Models 34, 35, 45, 50, 60, 65, 70, 80, 90 etc. **YOUR PRICE, Each, Either Type, \$1.19.**  
In Lots of 6 or More, Each.....  
**E5115**—Replaces Motorola vibrator part number 48A3333 in late models. Size,  $2\frac{1}{2} \times 1\frac{1}{2} \times \frac{1}{2}$ . List, \$3.95.  
**YOUR PRICE, Each, Either Type, \$1.15.**  
In Lots of 6 or More, Each.....

### Popular Genuine Replacement Vibrators

<b>Philco</b>	Your Price, Ea.	<b>Motorola</b>	Your Price, Ea.
<b>D5385</b> Philco Replaces #38-5036 and #41-3186	<b>\$1.76</b>	<b>D5399</b> Motorola #333	<b>\$1.47</b>
<b>D5387</b> Philco #41-3398	<b>\$1.47</b>	<b>RCA</b>	
<b>D5388</b> Philco #41-3170		<b>D5392</b> RCA #12236	<b>2.40</b>
<b>D5388</b> Philco #83-0017		<b>D5390</b> RCA #7604	<b>3.23</b>

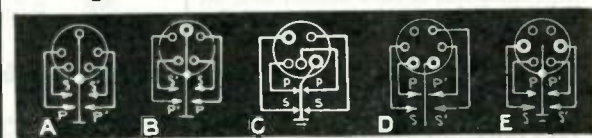
### Reduce Your Stock! Save Money!

You don't have to carry a big stock on hand when you standardize on Keystones. The few Keystones on this page will take care of 98% of your vibrator needs. The other 2% we'll supply on special order at equally attractive prices. For Greatest Customer Satisfaction always replace the Buffer Condensers when replacing Vibrators. Longer life and more efficient performance will result.

#### Best Quality! Guaranteed for 1 Year!

Keystone vibrators are finest quality throughout, yet exceptionally low in price. They will work perfectly on any 6 volt receiver. Made for Radolek by one of America's largest vibrator manufacturers. Constructed and tested to conform with R.M.A. Standards, they will give quiet operation and long satisfactory service. Guaranteed for one year against defects in workmanship.

### Special Synchronous Vibrators



**B5149-A.** Standard 5 prong used in Household and Auto Sets such as Arvin, Delco, Emerson, Sentinel, Firestone, RCA & Stew.-Warn. Size,  $3\frac{1}{2} \times 1\frac{1}{2} \times \frac{1}{2}$ .  
**B5148-B.** Special 5 prong used in Household sets of Admiral, Continental, Simplex and private brand radios made by them. Size,  $3\frac{1}{2} \times 1\frac{1}{2} \times \frac{1}{2}$ .  
**B5112-C.** Special 5 prong vibrator without buffer condensers. Used in B.O.P. United Motors Models 980534-35-66-67 and other sets. Size  $2\frac{1}{2} \times 3\frac{1}{2} \times \frac{1}{2}$ .  
**B5146-D.** Standard 6 prong used in Crosley, G.E., Airline, Traveler, Wells Gardner, Zenith and Silvertone Home sets. Size,  $3\frac{1}{2} \times 1\frac{1}{2} \times \frac{1}{2}$ .  
**B5196-E.** Reversible 6 prong vibrator used in G.E., Mont. Ward, RCA, Wells Gardner, United Motors, Delco and others. Size,  $3\frac{1}{2} \times 1\frac{1}{2} \times \frac{1}{2}$ .

#### Housed In Plug-In Type Containers

Finest quality synchronous plug-in type vibrators. Built to exacting standards, mechanically and electrically replace many of the synchronous types in present day use.

**ANY TYPE, List, \$5.95.**  
**YOUR PRICE, Each, \$2.50.**  
In Lots of 6 or More, Each..... **\$2.35**

### Plug-In Type Synchronous Vibrators

**With Built-In Buffer Condensers**  
**B5138**—Special 5 prong plug-in type vibrator. Complete with buffer condensers. Used in Buick, Chevrolet, Delco, 625 to 629, General Motors, Oldsmobile, Pontiac, United Motors and other auto radio receivers. Size,  $4\frac{1}{2} \times 2\frac{1}{2} \times \frac{1}{2}$ .  
**B5113**—Special 5 prong plug-in type vibrator with buffer condensers. Used in Buick, RCA, Delco and others. Size  $4\frac{1}{2} \times 2\frac{1}{2} \times \frac{1}{2}$ .

**EITHER TYPE, List, \$6.60.**  
**YOUR PRICE, EACH, \$2.95.**  
In Lots of 6 or More, Each..... **\$2.65**

### Wire Lead Type Vibrators



<b>Synchronous</b>	<b>Non-Synchronous</b>
<b>B5134</b> —Has 5 leads and self-contained buffer condensers. Used as replacement for Sparton, Westinghouse, United Motors and Delco Auto Radios. Size, $1\frac{1}{2} \times 1\frac{1}{2} \times 1\frac{1}{2}$ . List Price, \$6.60. <b>YOUR PRICE, Each..... \$2.95.</b> Lots of 6 or More, Each..... <b>\$2.65</b>	<b>B5105</b> —Has 3 leads. Used in Delco 2035, 4036 etc., Montgomery Ward, Wells Gardner, United Motors, 980383, 980393 and 364411, Stewart Warner and many others. Size, $1\frac{1}{2} \times 1\frac{1}{2} \times 1\frac{1}{2}$ . Can be used in your old container. List Price, \$4.15. <b>YOUR PRICE, Each..... \$1.33.</b> Lots of 6 or More, Each..... <b>\$1.28</b>

### CROSS INDEX OF EQUIVALENT VIBRATORS

Synchronous					Non-Synchronous				
Keystone	Mallory	Radiart	Utah	Delco—U.M.S.	Meis. & Elec.	Keystone	Mallory	Radiart	Utah
B5149	245, 281, 285	5413, 5409	SP5	5051125, 5053185	715	B5384	4-4	SU1	Ace
B5138	273C	4613, 3461	SP61	5039661, 5038055	704	B5100	507P	5323	NP483
B5146	246, 46	4416, 5411	SP66	5052525	712	B5101	505P	5320	NP49
B5148	245C, 45C	5410, 3679	SP65	5053181	714	B5102	294, 94, 508P	5300	NP45
B5113	273D	4611	SP52	5041376, 5043853	718	B5114	Philco Fl. 83-0017	5300	NP45
B5196	248, 2868, 287M	5400, 3893	SP62	5053501, 5052869	723, 728	B5136	294C	5303	NP45
B5112	514, 715, 516	5426	SP54	5050498	726	B5119	296, 96	3263, 5312	NP6
B5134	222, 223	3315, 3308	SL5	5053120, 1208152	700	B5105	221, 292	3213, 2867	NP45
						B5111	294BW 854	5331	NP43
						E5115	902M	5327P	NP48



# MALLORY

# Utah

# RADIART

# Replacement Vibrators



## Most Complete Vibrator Selection

Mallory, Utah and Radiart Vibrators have achieved an enviable record of excellent performance. Due to the varied preference among the many radio servicemen and dealers, it is necessary for us to list these three most popular makes. Select the proper replacement vibrator from your copy of the manufacturers vibrator guide or specify on your order the radio make, model and any other necessary information, and we will ship you the proper vibrator for your requirements. An exact duplicate replacement is supplied for practically every installation. Long trouble free operation is assured. Vibrators are guaranteed for one year.

## Synchronous Vibrators

### 5 Prong—Plug-in 6 Volt Synchronous

Mallory Stock Num.	Mfg. Code	Radiart Stock Num.	Mfg. Code	Utah Stock Num.	Mfg. Code	Wtr. Dia.	List Price	Either Type Your Price	Lots of 6 Each
C5011	210	C5312	3318			2	\$9.00	\$5.29	\$4.76
C5028	230					11	9.00	5.29	4.76
C5084	245	C5287	5409	C5340	SP5	14	5.95	3.50	3.15
C5014	245A	C5295	5413	C5341	SP56	14	5.95	3.50	3.15
C5034	245C	C5276	5410	C5342	SP55	15	5.95	3.50	3.15
C5046	270B					24	7.15	4.20	3.78
C5047	271	C5208	3283			25	7.15	4.20	3.78
C5050	273C	C5282	4613	C5343	SP51	26	6.60	3.88	3.49
C5051	273D	C5268	4611	C5344	SP52	27	6.60	3.88	3.49
C5089	514	C5240	5426	C5345	SP54	43	5.95	3.50	3.15
C5030	716					43	5.95	3.50	3.15

### 6 Prong—Plug-in 6 Volt Synchronous

C5025	224	C5277	5411	C5346	SP66	8	8.40	4.94	4.45
C5035	246	C5245	3789	C5347	SP8	16	5.95	3.50	3.15
C5036	247	C5274	5400	C5348	SP62	17	5.95	3.50	3.15
C5038	248					19	5.95	3.50	3.15
C5096	275 X8	C5326	4608	C5349	SP68	28	9.00	5.29	4.76
C5054	2778					29	7.15	4.20	3.78
C5058	285 X8			C5350	SP67	31	8.40	4.94	4.45
C5097	P285 Y					30	5.95	3.50	3.15
C5059	286S					32	6.60	3.88	3.49
C5000	722A	C5329	5434	C5351	SP64	44	5.95	3.50	3.15
C5006	728A					45	5.95	3.50	3.15
C5056	951P					16	6.30	3.70	3.33
C5061	954	C5241	5404			51	5.95	3.50	3.15

### 7 Prong—Plug-in 6 Volt Synchronous

C5039	249	C5275	5406	C5352	SP71	20	5.95	3.50	3.15
C5063	289 Y	C5319	4414	C5353	SP72	20	5.95	3.50	3.15
C5021	725					20	6.90	3.88	3.49

### Miscellaneous Synchronous—Plug-in

Mallory Stock Num.	Mfg. Code	Radiart Stock Num.	Mfg. Code	Utah Stock Num.	Mfg. Code	Volt	No. of Prgs.	Wtr. Dia.	List Price	Either Type Your Price	Lots of 6 Each
C5099	W245	C5287	5409	C5354	4SP5	4	5	14	\$5.95	\$3.50	\$3.15
C5005	W245A	C5242	5415	C5355	4SP56	4	5	14	6.95	3.50	3.15
C5001	W246	C5318	5427	C5356	4SP66	4	6	16	5.95	3.50	3.15
C5037	F247	C5260	4404	C5357	32SP8	32	6	18	6.60	3.88	3.49
C5007	G286S					12	6	32	9.00	5.29	4.76
C5081	G725					12	7	20	7.80	4.59	4.13

### Uncased Synchronous

C5022	222	C5216	3315	C5358	SL5	6	6	6.60	3.88	3.49
C5023	223					6	6	7.15	4.20	3.78
C5024	F223					32	7	7.15	4.20	3.78
C5029	231	C5223	4607			6	12	8.70	5.12	4.61
C5031	235					6	12	7.15	4.20	3.78

## COMPLETE VIBRATOR GUIDES



Mallory Radiart Utah  
C12534 C12536 C12535

The increased listings of the vibrator replacements prohibits incorporating a complete guide in our catalog. However, complete vibrator replacement guides will be sent FREE on request. Write, or specify on your next order. **FREE**

Order by above stock number.



## Radiart Vibrator Manual and Auto Radio Guide

C12537—Contains data on vibrators, vibrator "B" power supplies, auto aerials, and other useful information. Pocket size, 4 1/2 x 7 1/2. 128 pages. **YOUR PRICE.....25c**

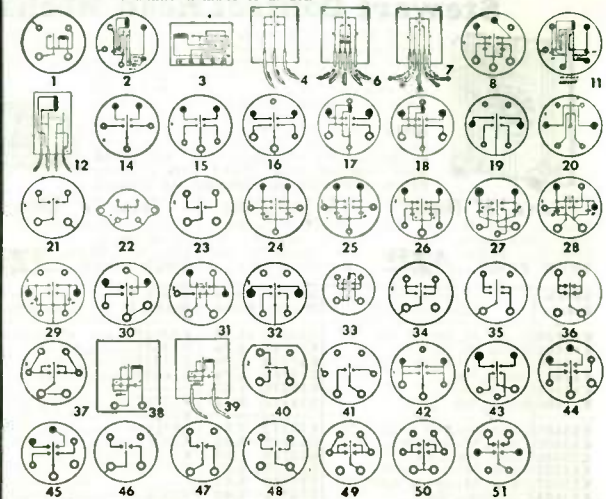
With Order of Six or More Radiart Vibrators .....FREE



PLEASE NOTE the extra 10% discount quoted on purchases of 6 or more vibrators. Vibrators may be assorted to obtain this saving.

## Vibrator Circuit Diagrams

Illustrations below are given for your convenience in selecting a vibrator for automobile radios of unknown make or model.



## Non-Synchronous Vibrators

### 4 Prong—Plug-in 6 Volt Non-Synchronous

Mallory Stock Num.	Mfg. Code	Radiart Stock Num.	Mfg. Code	Utah Stock Num.	Mfg. Code	Wtr. Dia.	List Price	Either Type Your Price	Lots of 6 Each
C5010	205	C5313	3443			1	\$7.80	\$4.59	\$4.13
C5041	253	C5226	3417	C5359	NP482	21	4.76	2.79	2.51
C5042	253T					22	4.76	2.79	2.51
C5043	253 Y	C5273	5321	C5360	NP44	23	3.55	2.09	1.88
C5066	294	C5270	5300	C5361	NP42	34	3.55	2.09	1.88
C5091	852	C5292	5303	C5362	NP480	35	3.55	2.09	1.88
C5068	2049W	C5279	5331	C5364	NP45	36	3.55	2.09	1.88
C5077	500P	C5221	3320	C5365	NP4	34	3.00	1.76	1.58
C5078	501P			C5366	NP44	34	3.00	1.76	1.58
C5004	503P	C5320	5320	C5367	NP49	34	3.00	1.76	1.58
C5015	507P	C5293	5323	C5368	NP483	34	3.00	1.76	1.58
C5016	508P	C5233	5325P	C5369	NP484	34	3.00	1.76	1.58
C5017	510P	C5234	5327P			33	3.60	2.12	1.91
C5002	825					34	5.40	3.18	2.86
C5033	868					47	3.55	2.09	1.88

### 6 Prong—Plug-in 6 Volt Non-Synchronous

C5069	296	C5207	3263	C5371	NP6	37	3.55	2.09	1.88
C5070	297			C5372	NP81	49	4.75	2.79	2.51
C5009	299	C5258	4320			50	4.75	2.79	2.51
C5003	506P	C5327	5324	C5363	NP64	42	4.75	2.79	2.51

### Miscellaneous Non-Synchronous Plug-in

Mallory Stock Num.	Mfg. Code	Radiart Stock Num.	Mfg. Code	Utah Stock Num.	Mfg. Code	Volt	No. of Prgs.	Wtr. Dia.	List Price	Either Type Your Price	Lots of 6 Each
C5008	F204					32	4	1	\$8.10	\$4.76	\$4.28
C5013	F211					32	5	2	9.00	5.29	4.76
C5040	F251	C5224	3395			32	4	21	6.35	3.15	2.83
C5067	F294					32	4	34	6.35	3.15	2.83
C5071	F297	C5255	4314			32	6	37	5.95	3.50	3.15
C5079	F502P	C5257	4319			32	4	40	7.15	4.20	3.78
C5032	F826					32	4	23	5.95	3.50	3.15
C5072	302S					6	2	38	7.80	4.59	4.13
C5076	F312					32	2	38	9.00	5.29	4.76

### Uncased Non-Synchronous

C5018	220B	C5227	3442	C5373	NL3M	6	3	4	4.80	2.82	2.54
C5019	F220C	C5231	3460			32	3	6	6.00	3.53	3.18
C5020	221	C5243	3313			6	4	4	4.75	2.79	2.51
C5064	202	C5201	2867	C5374	NL3	6	4	4	4.15	2.44	2.20

## Special Value Universal Vibrators

### Standard 4 Prong Non-Synchronous Type

Popular vibrators priced to meet competition. Quality construction. Compact universal size permits this vibrator to be used in hundreds of receiver models including: Airline, Arrin, A.K., Crosley, Delco, Emerson, Fairbanks-Morse, G.E., Motorola, Philco, RCA, Radiola, Sennel, Silverstone, Stewart-Warner, Trav-Ler, Wells-Gardner, Zenith and many others. Fits standard 4 prong socket and measures only 1 1/2 x 3 1/4.

C5098—Mallory "4-4" Vibrator  
C5375—Utah "ACE" Vibrator  
C5244—Radiart "SUPERIOR" Vibrator

List Price, \$2.10.  
In Lots of 6 or More, Each.....**\$1.23**



In Single Lots, YOUR PRICE, Each.....**\$1.32**



# CROWE Auto Radio Remote Controls STEWART

## Panel Kits For Use with Crowe and Stewart Control Head Mechanisms



Panel kits include escutcheon plate, dial, mounting hardware and tuning knobs. Escutcheon plates are custom made to match car panel in size, design and finish. Dials are either airplane, slide rule or portable style as best harmonizes with car panel. Dials are calibrated with standard broadcast markings from 55 to 150 for clockwise rotation. Counter clockwise rotation can be supplied on special order.

**NOTE:** Panel kits do not comprise a complete installation, an accessory kit must be purchased with each panel kit. **BE SURE** when ordering Crowe Panel Kits to order Crowe accessories and likewise for Stewart.



**Crowe "A" Plates**  
Manual controls for all cars listed below.  
List, Ea., \$4.35.  
**YOUR PRICE ... \$2.56**

**Stewart Plates**  
Manual controls. Individual prices are shown for each car listed below.

**Crowe "A" Plates**  
Manual controls for all cars listed below.  
List, Ea., \$4.35.  
**YOUR PRICE ... \$2.56**

**Stewart Plates**  
Manual controls. Individual prices are shown for each car listed.

Stock Num.	Automobile Make and Year	Stock Num.	Your Price
E13600	Buick 40, 60, 90 '42	E13766	\$1.76
E13601	Buick 50, 70 '42	E13767	1.76
E13602	Buick, all models '41	E13768	1.76
E13662	Buick, '40	E13769	1.76
E13603	Buick, '39	E13770	1.62
E13604	Buick, '38	E13771	1.47

E13605	Chevrolet, All models, '42	E13772	2.06
E13606	Chev. Master DeL. '41	E13773	2.06
E13606	Chev. Spec. DeL. '41	E13774	2.06
E13607	Chev. Master 85 '40	E13775	1.62
E13607	Chev. Master & Spec. '40	E13776	1.62
E13608	Chevrolet '38	E13777	1.47
E13609	Chevrolet '38	E13778	1.47
E13610	Chevrolet '37	E13779	1.47

E13611	Chrysler, All models, '42	E13780	1.62
E13612	Chrysler, '41	E13781	1.62
E13613	Chrysler, '40	E13782	1.62
E13614	Chrysler, '39	E13783	1.62
E13615	Chrys. Royal & Imper. '38	E13784	1.62
E13616	Chrys. N.Y. & Spec. '38	E13784	1.62

E13617	DeSoto, All Models, '42	E13790	1.62
E13618	DeSoto, '41	E13786	1.62
E13619	DeSoto, '40	E13787	1.62
E13620	DeSoto, '39	E13788	1.62

E13622	Dodge, All Models, '42	E13791	1.62
E13623	Dodge, '41	E13792	1.62
E13624	Dodge, '40	E13793	1.62
E13625	Dodge, '39	E13794	1.62
E13626	Dodge, '38	E13795	1.47

E13628	Ford, All Models, '42	E13797	2.06
E13629	Ford, '41	E13798	2.06
E13630	Ford, Standard, '40	E13799	1.62
E13631	Ford, DeLuxe, '40	E14053	1.62
E13632	Ford, Std. & Del. '39	E14054	1.47
E13633	Ford, Std. & Del. '38	E14055	1.47
E13635	Ford, All '37	E14056	1.47

E13640	Hudson, All Models '42	E14061	1.62
E13641	Hudson, '41	E14062	1.47
E13642	Hudson, '40	E14063	1.62

E13688	Mercury, All '42	E14065	2.06
E13629	Mercury, '41	E14066	2.06
E13687	Mercury, '40	E14067	1.62

### Crowe "B" Series Kits

Made especially for Arvin, Firestone, Philco, and Silvertone push-button radios. Similar to "A" series but combine manual and push-button controls into a single assembly for custom installation on the instrument panel of each car.

**Crowe "B" Series Kits.**  
**YOUR PRICE ... \$2.56**

Stock Numbers			Make of Automobile
1942	1941	1940	
E13690	E13690	E13692	Buick 40, 60, 90 Buick 50, 70 Chevrolet Chrysler De Soto
E13691	E13691	E13692	
E13693	E13694	E13695	
E13696	E13697	E13698	
E13699	E13700	E13701	
E13702	E13703	E13704	Dodge Ford Standard Ford De Luxe Oldsmobile Plymouth De Luxe
E13705	E13706	E13708	
E13709	E13810	E13711	
E13712	E13712	E13716	
E13713	E13714		
E13718	E13719	E13720	Pontiac

### Special Conversion Units

**For Arvin and Delco**

Consist of two flexible shafts with proper tuning and volume control units. All necessary leads and fittings supplied. No panel kits included.

**For Arvin 1935 to 1941**

E10780—Crowe C 18500.	<b>\$3.76</b>
<b>YOUR PRICE</b>	
E10781—Stewart #6992.	<b>\$3.97</b>
<b>YOUR PRICE</b>	

**For Delco 1941-1935 With Tone Control**

E10782—Crowe #C 18000.	<b>\$4.87</b>
<b>YOUR PRICE</b>	
E10783—Stewart #6990.	<b>\$4.41</b>
<b>YOUR PRICE</b>	

### Crowe "C" Series Panel Kits

Custom made for Philco models AR-4, AR-9, AR-5, AR-40, AR-45, AR-50, AR-55, AR-65 and AR-75. These kits make it possible to fit the instrument controls into the instrument panels of the various 1940, '41, '42 cars. Necessary for original installation on all 1942 radios and for moving 1940, '41 radios to 1942 cars.

**Crowe "C" Series Kits.**  
**YOUR PRICE ... \$1.47**

Stock Numbers			Make of Automobile
1942	1941	1940	
E13725	E13725	E13727	Buick 40, 60, 90 Buick 50, 70 Chevrolet Chrysler De Soto
E13726	E13725	E13727	
E13728	E13729	E13730	
E13731	E13732	E13733	
E13734	E13735	E13736	
E13737	E13738	E13739	Dodge Ford Standard Ford De Luxe Lincoln Zephyr Oldsmobile
E13740	E13741	E13743	
E13740	E13741	E13742	
E13744	E13745	E13745	
E13746	E13747	E13748	
E13752	E13755	E13756	Plymouth De Luxe Plym. Spec. De Luxe Pontiac
E13753	E13754		
E13758	E13759	E13760	

### Special Auto Radio Control Cable Assemblies

Includes 24-inch long shaft. One end has 3/8"-32 casing unit and male end fitting which fits Stewart control head mechanism. Other end has fitting to connect with radios listed below.

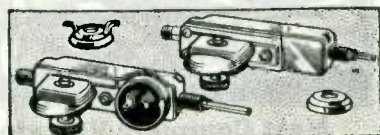
E10790—For Arvin 1935 to 1941.	<b>\$118</b>
<b>YOUR PRICE, Per Pair</b>	

E10791—For Delco 1935 to 1941.	
E10799—For Philco Models 816, 917, 818K, 819, 819H, 826, 827, 828, 829.	<b>\$100</b>
<b>YOUR PRICE, either type, per pair</b>	

## Control Head Mechanisms

For use in conjunction with panel kits listed at left. With each panel kit one tuning unit of proper gear ratio and one volume control unit is required. All units fit male flexible shaft end fittings and 3/8"-32 thread shaft casing nuts.

## Crowe Tuning Units

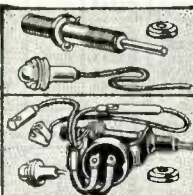


For use with volume control units. Switches operated by secondary wing knob are for sensitivity and tone control purposes only. (Power supply switch should be controlled by volume control unit.)

With Switch		Less Switch	
Stock Number	Code Number	Stock Number	Code Number
E10759	712-T2	E10750	706-T1
E10760	716-T2	E10751	708-T1
E10761	720-T2	E10752	710-T1
		E10753	712-T1
		E10754	716-T1
		E10755	720-T1

With Switch		No Switch	
Stock Number	Code Number	Stock Number	Code Number
E10759	712-T2	E10750	706-T1
E10760	716-T2	E10751	708-T1
E10761	720-T2	E10752	710-T1
		E10753	712-T1
		E10754	716-T1
		E10755	720-T1

## Crowe Volume Controls



**C10762—Code 700-V1.** Volume control only. No switch. No built-in tone control.  
List, 80c.  
**YOUR PRICE \$47c**

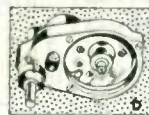
**C10763—Code 700-V2.** Volume control with switch operated by volume control knob.  
List, \$2.25.  
**YOUR PRICE \$1.35**

**C10764—Code 700-V3.** Volume control with independent switch operated by wing knob.  
List, \$2.25.  
**YOUR PRICE \$1.68**

**C10765—Code 700-V6.** Volume control with switch and built-in continuously variable tone control unit. (Switch is operated by volume knob, tone by wing knob).  
List, \$3.75.  
**YOUR PRICE \$2.21**

**C10770—Code 700-V6S.** For Delco '37 and '38 models including B-676 ('39). Similar to code 700-V6 except also includes shielded tone control lead with pin plug.  
**YOUR PRICE ... \$2.38**

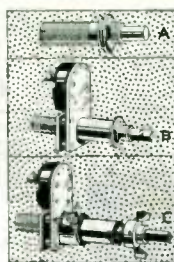
## Stewart Tuning Units



Supplied with or without local-distance switch. Switch is operated by secondary wing nut included with switch units. Pilot light socket with 25" lead and bulb included.

Less Switch	Ratio	With Switch	Your Price
E10774	6 to 1	E10784	Less Switch
E10775	8 to 1	E10785	Price Each
			<b>\$1.56</b>
E10776	10 to 1	E10786	With Switch
E10777	12 to 1	E10787	Price Each
E10778	16 to 1	E10788	<b>\$2.26</b>

## Stewart Volume Controls



Supplied with and without SPST (on-off) switch and tone control.

**E10794 — A —** Plain shaft with bushing and nut.  
**YOUR PRICE ... \$2.4c**

**E10795 — B —** With switch operated by control shaft.  
**YOUR PRICE ... \$73c**

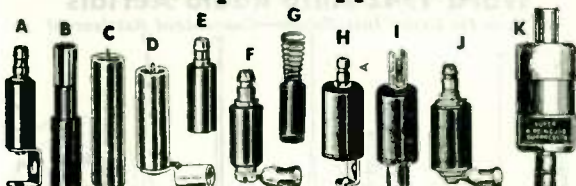
**E10796 — C —** With switch as above and variable tone control operated by secondary wing knob. Wing knob included.  
**YOUR PRICE \$1.71**



# AUTO RADIO

# Accessories and Noise Suppressors

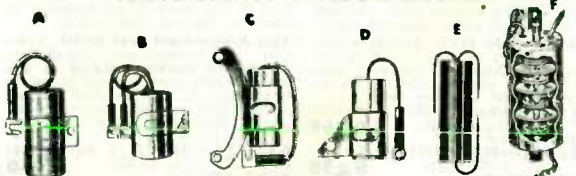
## Auto Spark Suppressors



Latest design to fit all type cars. Give highly efficient noise suppression and by selection of proper type, practically all motor noise may be eliminated. Types A thru G are carbon resistance type. Types H thru K are wire wound inductive type which offer a low resistance of only 30 ohms to initial current firing surge and high resistance to oscillatory discharge effecting savings on gasoline consumption.

Stock No.	Type	Your Price Each	10 for	Stock No.	Type	Your Price Each	10 for
E3961	A Spark Plug			E3976	G Distributor for 1933 to '36 Ford	13¢	\$1.20
E3962	B Distributor			E3977	H '37 to '41 Ford		
E3963	C Cable			E3953	H Spark Plug	36¢	\$3.24
E3964	D Elbow			E3954	I Distributor		
E3965	E Reg. 10 M ohms	13¢	10 for \$1.20	E3955	J Spark Plug	44¢	\$3.96
E3974	E Ford 20 M ohms			E3957	K Distributor		
E3966	F Reg. 10 M ohms						
E3975	F Ford 20 M ohms						

## Auto Radio Noise Filters



Type A. Generator Condensers—also for use on interruptor and battery sides of ignition coil, tail light heater etc. Metal cased.

Stock Number	Cap. Mfd.	Size Inches	Your Price Each	10 for
E8664	.25	1/4 x 1 1/4	15¢	\$1.35
E8665	.5	1/4 x 1 1/4	18¢	1.62
E8666	1.	1/2 x 2 1/4	32¢	2.88
E8667	1.5	1 1/4 x 2 3/4	50¢	4.50

E8669—Type B. Dual .5 Mfd. Generator Noise Filter. Metal cased. Size 1 1/2 x 2 3/4".

YOUR PRICE 42c

E8668—Type B. "A" line R.F. filter. two .5 Mfd. condensers with choke for connection in series with "A" supply to radio. Metal cased. Size 1 1/2 x 2 3/4".

YOUR PRICE 49c

E8672—C—For '34, '35, '36

E8673—D—For '37, '38

E8674—A—For '39, '40, '41

E8671—Type E. Condenser-choke combination in moisture proof fibre tube. For elimination of noise from other electrical accessories. Size 1"x3".

YOUR PRICE 28c

E9980—Type F. Ignition noise eliminator does not interfere with the function of the car ignition system. Eliminates use of spark plug suppressors.

YOUR PRICE \$1.62

## Buffer Condensers

### Oil Filled

1600 W. V. DC  
Paper Dielectric Metal Shell  
Type



Finest quality oil impregnated and oil filled paper dielectric condensers. Securely sealed in compact round metal containers and fully insulated, with wadded cardboard tube over all. Container is grounded to one lead. Impervious to moisture. Extremely compact.

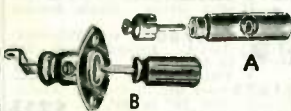
Stock Num.	Cap. Mfd.	Size Dia. x L.	Net Each	Ten For
E8750	.005	1/4 x 1 1/4	24¢	\$2.52
E8751	.01	1/4 x 1 1/4	35¢	3.15
E8752	.02	1/4 x 1 1/4	38¢	3.42

### Wax Filled Type—1600 Volt

An economical and commonly used type. Constructed with oil impregnated paper windings, placed in a treated fibre tube, then thoroughly sealed with wax. Tinned copper wire leads.

Stock Num.	Cap. Mfd.	Size Dia. x L.	Net Each	Ten For
E8753	.005	1/4 x 1 1/4	19¢	\$1.71
E8754	.01	1/4 x 1 1/4	19¢	1.71
E8755	.02	1/4 x 1 1/4	19¢	1.71

## Auto Radio Connectors



Type A. Positive contact, small size. Single terminal with shield. Each

E12021—Plug ..... 9c

E12022—Line Jack ..... 21c

E12023—Chassis Jack. For above plug (not shown) ..... 13c

E12024—Type B Plug ..... 7c

E12025—Type B Jack ..... 13c

### Motorola Type

E4014—Connects between Bayonet type male output and Motorola input.

E4020—Connects from Motorola male output plug to female bayonet.

YOUR PRICE, Ea., 18c

Either type

Antenna Coupler

And Signal Booster

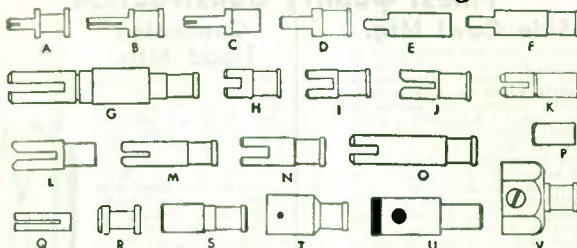
Connects in antenna circuit of auto radio. Increases signal strength. Mounted in moisture proof, shielded, metal connector.

E4016—Bayonet Type

E4017—Motorola Type

YOUR PRICE, Each..... 32¢

## Auto Radio Cable Fittings



A type for every cable now in use. Match old fitting with illustration and order by stock number. Made of highest quality brass.

Stock Num.	Type	Description	Fits Cable	Your Price	Stock Num.	Type	Description	Fits Cable	Your Price
E5800	A	Male end	.150"	5¢	E5811	L	For RCA	.130"	7¢
E5801	B	For Bosch	.130"	9¢	E5812	M	Female end	.150"	5¢
E5802	C	Male end	.130"	6¢	E5813	N	For Philco	.150"	7¢
E5803	D	Male end	.150"	5¢	E5814	O	Female end	.150"	7¢
E5804	E	For Motorola	.130"	6¢	E5815	P	For Motorola	.130"	6¢
E5805	F	Spec. M. end	.130"	8¢	E5816	Q	End Guard	.130"	9¢
E5806	G	For Philco	.150"	21¢	E5817	R	Lower C.	.150"	4¢
E5807	H	Female end	.150"	4¢	E5818	S	For Philco	.150"	5¢
E5808	I	Female end	.150"	5¢	E5819	T	With pin insert	.150"	15¢
E5809	J	Female end	.150"	5¢	E5820	U	For Bosch	.150"	24¢
E5810	K	For Philco	.130"	6¢	E5821	V	Female-GM	.150"	18¢

\*Also available for .130" cable size. Be sure to specify size you want when ordering.

## Cable Only



Highest quality flexible shaft. Properly swaged at ends to prevent unravelling. No fittings are included.

Length Inches	.130" Stock Number	.150" Stock Number	Your Price
18	K10736	E10740	28¢
24	K10737	E10741	35¢
30	K10738	E10742	43¢
36	K10739	E10743	51¢

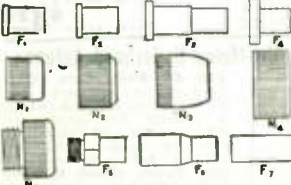
## Casing Only



Parkerized rust proof finish. Casing easily cut to size required. 1/4" Dia.

Length Inches	.130" Stock Number	.150" Stock Number	Your Price
18	K10744	E10721	28¢
24	K10745	E10722	35¢
30	K10746	E10723	43¢
36	K10747	E10724	51¢

## Cable Housing Ends



For securing cable housing to remote control head mechanism or radio receiver. Ferrules F1, F2, F3, etc. are used with nuts N1, N2, N3, etc.

Stock No.	Type	Your Price	Stock No.	Type	Your Price
E5822	F-1	4¢	E5829	N-1	4¢
E5823	F-2	5¢	E5830	N-2	5¢
E5824	F-3	15¢	E5831	N-3	12¢
E5825	F-4	11¢	E5832	N-4	21¢
E5826	F-5	5¢	E5833	N-5	15¢
E5827	F-6	7¢			
E5828	F-7	5¢			

\*Also for use with .255" casing.

## Wheel Static Collector

For All Cars  
B3950  
Your Price, Ea. .... 7¢  
10 for 62¢  
Eliminates radiation of static created by the front wheels of automobiles. Simply installed in the hub cap.



## Antenna Coupler

Two piece metal container. Has bayonet lock ends. Powerful spring contact insures perfect electrical connection for conductor inside shield.  
B11426—YOUR PRICE, Ten for 52¢

## Low Loss Auto Antenna Lead-in Cable



Specially designed low-loss lead-in cables for use on practically every auto radio and aerial. Antenna lead is protected by a shielded loom covered with process braid heavily lacquered.

Stock Num.	Length	Type Terminal for Antenna	Your Price
B4741	2 ft.	Female	41¢
B4742	2 ft.	Male	41¢
B4740	2 ft.	Eyelet	41¢
B4743	4 ft.	with	54¢
B4744	6 ft.	Ground	73¢
B4745	8 ft.	Connection	89¢

C4747—36 Inch Lead-in. Set end has small pin type plug to fit Motorola radios. Antenna end has eyelet with ground connection.

YOUR PRICE, Each..... 47¢



Fuse Retainer  
For 3AG SFE14, or SFE20 type fuses. Cadmium plated steel shell, to which shielding will order. Size 2 1/2 x 1 1/2".

B11425—YOUR PRICE, Each 9¢  
Ten for 81¢  
C11419—Jumbo Fuse Holder, 2 1/2" x 1 1/2". Used in Delco, Philco, Motorola and others. For 3AG, SFE14, SFE20, or SFE30 type fuses.  
YOUR PRICE, EACH ..... 15¢

## Auto Antenna Replacement Parts

For cowl aerials. Moulded bakelite insulator. Has 2 holes in side for passage of tube through insulator.

Stock Num.	Your Price	Hole Size	Stock Num.	Your Price
E4002	27¢	1/4"	E4010	15¢
E4004		1/4"	E4011	
E4005		1/4"	E4012	Each



# NEWEST Auto Radio Aerials

## Finest Quality Construction

### Side Cowl Mtg.

Require only two small holes to mount on side of car between door and hood. **Noiseless — Rattle-proof — Rust-proof.** Lower sections constructed of the finest Admiralty Brass Triple-Chrome plated; top section of Stainless Steel. New long brass inserts are used on all telescoping joints to prevent vibration. Each section is scientifically tapered on ends to prevent moisture and dust from entering tubing. Comes complete with 36" Fool-proof spring tensioned Lo-Loss Lead-In Cable protected by heavy shielded loom to prevent noise pickup. Leads are equipped with standard male Bayonet plug.

**E15767** — 2 Section Telescopic Aerial. Extends from 23" to 49".  
**YOUR PRICE ... \$244**

**E15926** — 3 Section Telescopic Aerial. Extends from 20" to 65".  
**YOUR PRICE ... \$278**

**E15768** — 3 Section Telescopic Aerial. Extends from 24" to 72".  
**YOUR PRICE ... \$309**

**E15927** — 3 Section Telescopic Aerial. Extends from 31½" to 96".  
**YOUR PRICE ... \$340**

**E15928** — 4 Section Telescopic Aerial. Extends from 32" to 108".  
**YOUR PRICE ... \$402**

### Side Hood Mounting

#### Rocker Type

A new variable angle aerial to fit the contours of all car bodies. **Tamper-proof, weather-proof.** Easy to install. Requires the drilling of only two small holes. Rugged construction. Triple-chrome plated brass lower section, stainless steel top section. Guaranteed Rust-proof. Comes completely assembled with 36" shielded Lo-Loss cable lead-in, and male bayonet plug.  
**E15762** — 2 Sec. Aerial. Extends from 23" to 49".  
**YOUR PRICE ... \$278**

**E15763** — 3 Sec. Aerial. Extends from 24" to 72".  
**YOUR PRICE ... \$309**

### Tube and Rod Assemblies

For Police, Marine, Amateur, and many other applications. All tubes are made of Admiralty Brass Triple Chrome plated. Rods are of Stainless Steel. All assemblies are telescopic. Bullet shaped fitting on bottom.  
**E15776** — 2 Sec. Aerial. Extends from 23" to 49".  
**YOUR PRICE ... \$1.85**

**E15777** — 3 Sec. Aerial. Extends from 24" to 72".  
**YOUR PRICE ... \$2.07**

**E15778** — 3 Sec. Aerial. Extends from 24" to 72".  
**YOUR PRICE ... \$2.16**

**E15772** — 2 Sec. Aerial. Extends from 23" to 49".  
**YOUR PRICE ... \$2.47**

**E15773** — 3 Sec. Aerial. Extends from 24" to 72".  
**YOUR PRICE ... \$2.78**

**E15774** — 4 Sec. Aerial. Extends from 24" to 108".  
**YOUR PRICE ... \$3.40**

**E15775** — 4 Sec. 144". Non-Telescopic, each section dove-tails into each other. Nickel-plated Admiralty Brass.  
**YOUR PRICE ... \$3.09**

### Motorola Adaptor



All the aerials on this page except Ward have male bayonet lead-in connectors. Use this adaptor when aerial is to be used with Motorola Auto Radio.  
**E4014** — **YOUR PRICE ... 18c**

### Concealed Hood Mtg.

Compact, Inconspicuous. Beautiful design, fittings match those of all new cars. Will not interfere with vision. Aerial disappears out of sight between side of cowl and kick-pad of car. Manually operated single hole mount, assures rigid, quick, easy installation. Aerial when lowered is housed in an air tight, moisture-proof shielded casing. Made of finest Triple-chrome plated Admiralty Brass. Guaranteed Rust-proof, Noiseless, Rattleproof. Complete with 36" Lo-Loss Lead, male bayonet plug.  
**E15765** — 2 Sec. Telescopic Aerial. Extends from 3" to 50".  
**YOUR PRICE ... \$340**

**E15766** — 3 Sec. Telescopic Aerial. Extends from 3" to 60".  
**YOUR PRICE ... \$371**

### Fender Mounting

Designed especially for the new model streamlined cars where fenders allow graceful installation of this type aerial. New type fittings make it possible to be mounted on any fender contour, assuring absolutely rigid installation. Manually operated, constructed of the highest grade Admiralty Brass — Triple-chrome plated. Antenna and lead fittings permanently secure. Weather-proof. Rust-proof. Comes all assembled, ready to install. Equipped with 48" Lo-Loss cable lead-in with male bayonet plug. Mounting clamps, and brackets.  
**E15764** — Three Section Telescopic Aerial. Extends from 3" to 50".  
**YOUR PRICE ... \$429**

### Uni-Mount Underhood Antenna

Fits All Model Cars. Dual brackets so designed that they can be interchanged in a minute for either the "Alligator" or "side-lift" type of hood. Eliminates drilling holes on body of car. Easily, rigidly installed with self-tapping screws. Lower sections made of Admiralty Brass—Triple-chrome plated, and top section of Stainless Steel. Guaranteed Rust-proof, and Rattle-proof. Comes complete with 36" Lo-Loss Lead-In Cable, with male bayonet plug and dual mounting brackets.  
**E15769** — 2 sec. Telescopic. Extends from 23" to 49".  
**YOUR PRICE ... \$244**

**E15770** — 3 sec. Telescopic. Extends from 20" to 60".  
**YOUR PRICE ... \$278**

**E15914** — 3 Sec. Telescopic. Extends from 23½" to 72".  
**YOUR PRICE ... \$309**

**E15771** — 3 Sec. Telescopic. Extends from 32" to 96".  
**YOUR PRICE ... \$340**

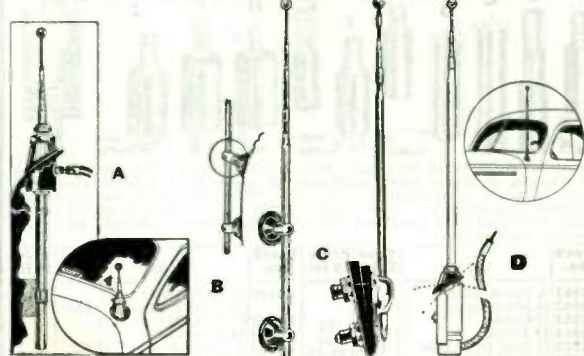
### ICA Signal Gainer

For use in antenna lead-in circuit of any car radio. Provides signal gain of from 5 to 12 Db. Tuneable over entire broadcast range. Has male and female combination Motorola and bayonet end fittings. Mounts below car dash.  
**E15798** — List Price, \$2.50.  
**YOUR PRICE ... \$1.47**



## Ward 1942 Auto Radio Aerials

A Type for Every Installation—Guaranteed Rattleproof



Finest quality auto aerials. Designed for quick, easy installation on any automobile—from an old-time "jalopy" to the latest streamliner. Improved anti-rattle telescopic construction, adjustable to any height. Lower sections are made of seamless tubing. Top telescopic rod has anti-static ball tip. Split proof caps protect ends of tubes. Heavily chrome plated. Low-loss shielded loom lead-in cable included. Lead-in has universal set connector to fit radios with either standard bayonet sockets or Motorola type sockets.

**Type B—Side Cowl.** Double stanchion type with low-loss glazed ceramic insulators. Necessary conversion parts for Torpedo and Chrysler bodies are included. 36" Low-Loss Lead.  
**E15916**—Model SX50—3 Sections 62" Long. List, \$4.50.  
**YOUR PRICE ... \$265**

**E15930**—Model 151L—4 Sections 96" Long. List, \$5.75.  
**YOUR PRICE ... \$338**

**Type C—Single Mount Flex-Angle Cowl.** Single stanchion double bolt mounting. By means of an adjusting nut at base the antenna can be swung through a range of 16° so that it will stand vertically on any cowl design. 48" Low-Loss Lead.  
**E15935**—Model E3-68—3 Sections 64" Long. List, \$4.95.  
**YOUR PRICE ... \$291**

**Type A—Concealed Cowl Aerial.** Compact — Inconspicuous installation. Easily and quickly installed in any car. Antenna when lowered is housed in an air tight moisture proof shielded casing. Aerial sections highly chrome plated. Equipped with 48" low capacity shielded loom lead-in.  
**E15934**—083-62—3 Section. extends 62". List, \$5.95.  
**YOUR PRICE ... \$350**

**Type D—Top Cowl Aerial.** Mounts on top of cowl of any car. Extends only 6" into tonneau of car. Aerial adjustable feature allows vertical mounting of aerial regardless of body contours. Equipped with 36" low capacity shielded loom lead-in.  
**E15938**—Model E3-62—3 Section extends 62". List, \$4.95.  
**YOUR PRICE ... \$291**

### Underhood Mounting

Cowl aerials designed especially for installation on late model cars—will also make a neat mounting job on older types. Guaranteed rust-proof and rattle-proof. Made of Admiralty Brass Triple Chrome plated lower sections and highly polished Stainless Steel top section. All come complete with 36" Shielded Lo-Loss Lead-In with male bayonet plug.

**Single Bracket Mount.** For side-lift hood type of car. No drilling on car surface. Installed with self-tapping screws. Single bracket mounting.  
**E15750** — 2 sec. Telescopic Aerial. Extends from 23" to 49".  
**YOUR PRICE ... \$181**

**E15751** — 3 Sec. Telescopic Aerial. Extends from 20" to 60".  
**YOUR PRICE ... \$233**

**Double Bracket Mount.** Same as above, except models are longer and have Double Bracket mounting.  
**E15752** — 2 Sec. Telescopic Aerial. Extends to 72".  
**YOUR PRICE ... \$263**

**E15753** — 3 Sec. Telescopic Aerial. Extends to 96".  
**YOUR PRICE ... \$295**

**Alligator Hood Mounting**

A special type mounting for use on new front-lift. Alligator, hood cars. Easy to install. No drilling. Use bolts that are on car. Noiseless—Rattleproof. New long brass shims between vibration sections prevent vibration at any point. Guaranteed Rust-proof. Made of Admiralty Brass Triple Chrome plated lower sections, top section of Stainless Steel. Equipped with 36" Shielded Lo-Loss Lead-In. With male plug.  
**E15754** — 2 Sec. Telescopic. Extends 49".  
**YOUR PRICE ... \$181**

**E15741** — 3 Sec. Telescopic. Extends 72".  
**YOUR PRICE ... \$264**

### Side Cowl Aerial

Lifetime guarantee against rusting. Easy to install. Requires only two holes to mount. All aerials are made of Admiralty Brass tubing chrome plated telescoping lower sections, and Stainless Steel top section. Positive Force Spring Contacts are used in all telescoping sections to prevent vibrations or rattles from occurring at any point. Comes complete with Fool-proof Spring Tensioned Lo-Loss heavy shielded loom lead-in cable.  
**E15756** — 3 Sec. Telescopic. Opens to 60".  
**YOUR PRICE ... \$232**

**E15755** — 2 Sec. Telescopic. Opens to 49".  
**YOUR PRICE ... \$181**

**E15742** — 3 Sec. Telescopic. Opens to 72".  
**YOUR PRICE ... \$264**

**E15757** — 4 Sec. Telescopic. Opens to 96".  
**YOUR PRICE ... \$295**

**E15758** — 4 Sec. Telescopic. Opens to 108".  
**YOUR PRICE ... \$345**

**Hinge Mounting**

Finest Quality. Quickly and easily attached to hinge pin of car door. Fits any automobile. No Drilling. Live rubber insulator positively insulates aerial from side of car. Specially designed Force Spring Contacts prevent rattling or vibration of sliding sections. Triple Chrome plating throughout. Comes complete with 36" Heavy Duty Flexible Lead-In Cable.  
**E15759** — 1 Sec. Non-Telescopic 39" Long.  
**YOUR PRICE ... \$108**

**E15760** — 2 Sec. Telescopic. Extends from 25" to 50".  
**YOUR PRICE ... \$1.78**

**E15761** — 3 Sec. Telescopic. Extends from 20" to 62".  
**YOUR PRICE ... \$2.25**

**E15762** — 4 Sec. Telescopic. Extends from 20" to 108".  
**YOUR PRICE ... \$3.40**

**E15763** — 5 Sec. Telescopic. Extends from 20" to 144".  
**YOUR PRICE ... \$4.02**

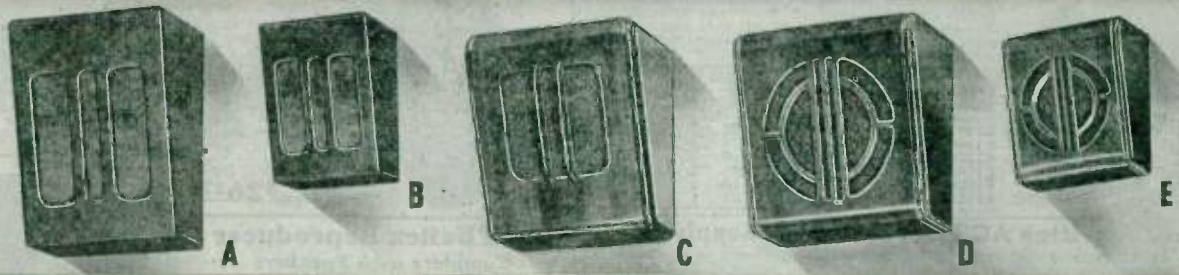
**E15764** — 6 Sec. Telescopic. Extends from 20" to 180".  
**YOUR PRICE ... \$4.64**

**E15765** — 7 Sec. Telescopic. Extends from 20" to 216".  
**YOUR PRICE ... \$5.26**

**E15766** — 8 Sec. Telescopic. Extends from 20" to 252".  
**YOUR PRICE ... \$5.88**



# SPEAKER BAFFLES - P.A. CARRYING CASES



## Speaker Wall Baffles for Extension Uses

Provide a convenient means of mounting extension speakers for proper sound distribution. Can be placed or mounted in any desired position on desk or wall. Grille design provides ample protection for speaker and eliminates other vibration producing protective materials.

**D15700—Type A—Blue Fabric Covered Baffle.** For up to 12" speakers. An economical speaker wall baffle made of 3/4" plywood. Includes speaker mounting board with hole cut for 12" speaker. Size, 13"x14" high, 5 1/2" to 8 1/2" deep. **YOUR PRICE, Less Speaker.....\$225**

**D15701—Type B—As above but for 8" Speakers.** Size 9"x11" high, 6" deep at bottom. **YOUR PRICE, Less Speaker.....\$170**

**D15646—Type C. 12" DeLuxe Walnut Veneer Type Wall Baffle** in polished walnut finish. Extra well built, designed for DeLuxe appearance and performance. For use with highest priced P.A. installations. Takes up to 12" speakers. 7/8" side panels. Heavily reinforced. Open back. All corners rounded. Square rounded-corner speaker opening has two 1 1/2" vertical walnut fins. Grille cloth. Size, 14"x15" high, 5 to 9 1/2" deep. **YOUR PRICE, Less Speaker.....\$510**

**D15642—Type D. 12" Walnut Finished Baffle.** **D15644—Type D. 12" Unfinished Baffle** ready for painting any color. Takes up to 12" speakers. Made of veneer with 3/4" side panels. Reinforced. Rounded corners. Grille cloth. Size 14"x14"x6 to 8" deep. **YOUR PRICE, Either Type, Less Spkr. ....\$380**

**D15643—Type E. 8" Walnut Finished Baffle.** **D15645—Type E. 8" Unfinished Baffle** for painting. Takes up to 8" speaker. Size 9"x10"x4 to 6 1/2" deep. Same construction as above except has 3/4" side panels. **YOUR PRICE, Either Type, Less Spkr. ....\$230**



### A—Dual Speaker Case

A split type carrying case that will house two speakers up to 12" in size. Speaker openings covered with grille cloth and protected by vertical bars. Sections serve as speaker baffles and may be placed on floor or hung from wall. Each section contains brackets for holding up to 50 feet of speaker cable. Constructed of sturdy plywood, covered with waterproof blue fabricoid. Metal reinforced corners. Carrying handle. Rubber bumpers at top and bottom. Heavy snap fasteners. (Closed size, 11 1/2" high, 16 1/2" wide, 9" deep.

**D15815—Less speakers. \$570**  
**YOUR PRICE.....\$570**

### B—Single Speaker Case

Durable Fabrikoid covered plywood case with metal corner guards. Takes 8" to 14" cone speaker. Removable back fitted with snap type clasps and brackets for holding up to 50 ft. of speaker cable. Ample baffle surface for excellent tone reproduction. Grille cloth covered opening. Button-up Fabrikoid flap over speaker opening. Size, 15x19x11".

**D15824—Less speaker. \$540**  
**YOUR PRICE.....\$540**

**D15823—Same as above but less metal corner guards and protective flap. Less speaker. \$395**  
**YOUR PRICE.....\$395**

### C—P.A. System Case

Houses complete P.A. System. Accommodates amplifier, two speakers up to 12" with cable, take-down microphone stand and microphone. Sturdy, extra heavy plywood construction. Metal reinforced corners. Waterproof blue fabricoid covered. Separates into three units. Baffles may be stood on floor or mounted on wall. Grille cloth covered speaker openings. P.A. equipment not included.

**D15831—Size inside 11" deep, 17" wide, 18" high. \$860**  
**YOUR PRICE, Case only....\$860**

**D15832—Size inside 11 1/4" deep, 20 1/2" wide, 29 1/4" high. \$1095**  
**YOUR PRICE, Case only....\$1095**

### D and E Phono. Cases

Constructed of heavy plywood with metal reinforced corners. Covered with attractive blue waterproof fabricoid. Heavy clasp fasteners.

**D15826—Type E—For manual record player. Includes blank motorboard. Size inside 11 1/2"x13 1/2"x7 1/4". \$395**  
**YOUR PRICE, Case Only...\$395**

**D15828—Type E—Similar to above but better construction. Size inside 14x17 1/2". \$525**  
**YOUR PRICE, Case Only...\$525**

**For Automatic Record Changers**  
**Type D—Fine sturdily constructed case.**

**E15846—For Garrard RC30. \$15833—For RCA DeLuxe Changer. \$15840—For Gen. Industries Model. \$15834—For Webster S.S. Model. \$15842—For Webster DeLuxe. \$875**  
**YOUR PRICE, Any Type.....\$875**



## Table Type Radio, Extension Speaker and Intercommunicator Cabinets

**Type A—Modern Design Lay-Down Cabinet** in a pleasing rich two tone walnut finish. Will accommodate a good sized radio chassis or may be used for intercommunication systems. Rounded panel and top of cabinet are made of genuine walnut veneer with solid grainwood ends. Inside Dimensions 15" wide, 8 1/2" high, 7 1/2" deep. Will take up to 8 1/2" speakers.

**D17609—Type A Cabinet. \$320**  
**YOUR PRICE, Each.....\$320**

**Type B. Special Value Speaker Cabinet** in attractive new design. Front and sides finished in rich warm walnut brown with contrasting dark base grain. Top tone gold figured grille cloth. Open back. Sturdily constructed. Size inside 8 1/2" wide, 8 1/2" high, 5 1/4" deep. Takes up to 8 1/2" speakers.

**D15811—Type B Cabinet. \$175**  
**YOUR PRICE.....\$175**

**Type C, D and E. Attractive walnut veneered cabinets** suitable for speaker extensions, intercommunication systems, call systems and many other uses. Roll top design. Removable veneered back with sides and bottom edge in contrasting darker shade. Mounted speaker grille cloth. Felt feet. No speakers supplied.

**D15843—Type C—For 8" Speakers. Inside size 8 1/2" wide, 10 1/4" high, 6" deep. \$240**  
**YOUR PRICE, Each.....\$240**

**D15844—Type D—For 6" Speakers. Inside size 6 1/2" wide, 7 1/2" high, 4 1/2" deep. \$170**  
**YOUR PRICE, Each.....\$170**

**D15845—Type E—For 5" Speakers. Inside size 5 1/2"x6 1/4"x4 1/4". \$120**  
**YOUR PRICE, Each.....\$120**



# UTAH PUBLIC ADDRESS REPRODUCERS

## Utah AC Field Excited Speakers



These speakers are humless in operation, and equal or better the performance of the Permo Dynamic line. Require only the addition of AC field supply to substitute for any PM speaker. Weather resistant construction. Less transformer.

Stock Num.	Utah Code	Cone Dia.	VC Imp.	Input Watts		Your Price
				Normal	Max.	
E15650	8AC30	8"	6-8	12	18	\$ 5.59
E15651	10AC12	10"	6-8	9	14	3.88
E15652	12AC12	12"	6-8	10	15	4.56
E15653	12AC20	12"	6-8	13	20	5.88
E15654	12AC40	12"	6-8	16	24	7.35
E15655	12AC75	12"	6-8	21	32	11.32

## Utah AC Field Excitation Supply

An AC operated field supply designed for mounting directly on speaker baffle. Operates on 110 volt 60 cycle AC and has a DC output of 12 watts. Uses 50Y6GT rectifier and ballast tube. Ballast tube is furnished but rectifier tube is not. Size 5 1/4" x 4 1/4" x 4 1/4". Shpg. wt. 2 lbs.  
E15672—AC Field Excitation Supply. List Price, \$4.75. **\$279**  
YOUR PRICE.....

## Utah Wall Type Reproducer



Ideal for all sound systems where wide coverage of voice and musical frequencies of high quality is desired, as in night clubs, theatres, music stores, restaurants, sweet shops, taverns, etc. Uses 8" P.M. dynamic with 12 oz. magnet. Molded, non metallic case attractively finished in platinum grey crackle with dark brown trim. Size: 13x11". Shpg. wt. 4 lb.

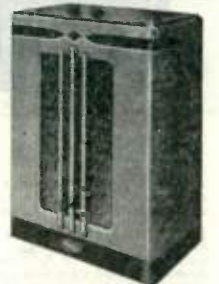
Stock Num.	Utah Code	V.C. Imp.	Input Watts		List Price	Your Price
			Normal	Max.		
D15660	W-810	6-8	8	12	\$13.75	\$8.09
D6969	8747	Line trans.			1.50	.88
E6968	8750	Univ. Plate Trans.			1.50	.88

## Utah 15 "Duotone" Speakers



A new dual speaker combination. Consists of a 15 inch "Base boost" speaker with 10.3 watt 1240 ohm field, and a 6" PM "tweeter" mounted concentrically. Has crossover net work filter and Universal input Autformer which allows coupling of from 1 to 4 speakers to a 500 ohm line. Entirely free from hum when used with the AC field supply listed at left. Wide range brilliant response for FM and high fidelity public address applications. Rated 22 watts normal—33 watts peak.

E15669—15" Duotone.  
YOUR PRICE **\$2617**



## Utah Baflex Reproducer

### Complete with Speakers

Incorporates the latest developments and improvements for high fidelity reproduction of music and voice from radio sets and public address amplifiers. Ideal for schools, dance halls, taverns, auditoriums, homes, etc. All "back-radiation" has been eliminated. Base response greatly improved. High frequency response up to 8500 Cycles is clear and without cabinet resonance or vibration distortion. Cabinets are sturdy in construction and attractively finished in two tone satin bronze.

### Specifications

Stock Num.	Utah Code	Cone Dia.	Magnet Wt.	V.C. Imp.	Input Watts		Overall Size	List Price	Your Price
					Normal	Max.			
D15663	M-820	8	20 oz.	8	12	15	11 1/4 x 17 3/4 x 24"	\$37.00	\$21.76
D15664	M-831	8	31 oz.	8	12	18	11 1/4 x 17 3/4 x 24"	40.00	23.52
D15665	M-133	12	46 oz.	8	17	26	12 3/4 x 22 3/4 x 31"	58.00	34.10
D15666	M-127	12	7 lb	8	22	33	12 3/4 x 22 3/4 x 31"	77.00	45.28

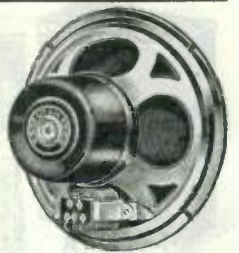
# UTAH PERMO-MAG PERMANENT MAGNET DYNAMIC SPEAKERS

## No Field Excitation Required



Use these speakers for your Public Address installations. Especially suited for use where extremely long lines must be run as only two connecting wires are needed. The saving effected in wire very often pays the entire cost of the speaker. True high fidelity reproduction, high volume carrying capacity and amazing high efficiency make these speakers fully equivalent in every way to the corresponding type of electro dynamic speakers.

Improved tone quality is definitely assured due to the exceptionally high magnetic flux made possible by Utah's latest magnet design and special alloy construction. Speakers are far superior in tone quality and ruggedness of construction over previous types of P.M. speakers, insuring permanency and freedom from trouble. Voice coils are specially impregnated and baked to take abnormal sound peaks. \*Especially designed for trumpet type baffle.



### Output Transformers

For Permo-mag Speakers and Baflex Reproducers

Univ. Tube	Line Matching	For Speaker Type	List Price	Your Price
E6970	E6971	G6P, E12P, 12P, M820	\$2.00	\$1.18
E6985	E6986	H8P, M831	2.60	1.53
E6957	E6958	F12P, G12P, M122	2.60	1.53
E6911	E6910	M127	3.15	1.85

Stock Num.	Utah Code	Cone Dia.	Magnet Wt.	V.C. Imp.	V.O. Imp. Ohms	Input Watts		Output Trans.	List Price	Your Price
						Normal	Max.			
D15720	I2P	12"	12 Oz.	1"	6-8	10	15	None	\$11.25	\$6.62
D15725	E12P	12"	20 Oz.	1"	6-8	13	20	None	16.00	9.41
D15721	G6P	8"	20 Oz.	1"	6-8	5.5	8	None	10.25	6.03
D15722	*B8P	8"	31 Oz.	1 1/4"	8	12	18	None	14.75	8.51
D15578	F12P	12"	31 Oz.	1 1/4"	6-8	16	24	None	17.25	10.14
D15579	G12P	12"	46 Oz.	1 1/4"	6-8	17	26	None	24.25	14.26

# REPLACEMENT SPEAKERS TO FIT ANY RADIO

## Utah 12 In. Speakers



Excellent sound reproduction and high output combined with ruggedness of construction make these speakers especially suitable for DeLuxe Console Receivers. Will handle peak loads of 15 watts. Recommended field input on field excited models 9 watts; no field excitation required on P.M. types. Voice coil, 8 ohms. Universal Output Transformers tapped for 500-1,000-1,500-2,000 ohm lines.

Electro-Dynamic Speakers					
Stock Num.	Mfg. Code	Field Ohms	Out'p Trans.	List Price	Your Price
A15582	Q1210	12"	1000	Univ. \$9.65	<b>\$567</b> Each
A15583	Q1215	12"	1500	Univ. 9.65	
A15584	Q1220	12"	2000	Univ. 9.65	
A15585	Q1225	12"	2500	Univ. 9.65	Each

## P. M. Dynamic Speakers

E15720 12P | 12" | 12 Oz. | None | \$10.25 | \$6.03

### Output Transformers for 3", 4" or 5" Speakers

Stock Number	Tube Imped.	Stock Number	Tube Imped.	Your Price, Ea.
C6963	2000	C6965	10,000	<b>62c</b>
C6964	4000	C6966	25,000	

## 3, 5 and 6 In. Speakers

Utah  
For use in compact radios. Strong rugged construction combined with true high-fidelity sound reproduction. P.M. types adapted for use as either speaker or mike. Output Transformers match any tube, Single or P.P. Voice coil impedance, 3 to 5 ohms.

### Electro-Dynamics

Stock Num.	Mfg. Code	C. Dia.	Field Ohms	Out'p Trans.	List Price	Your Price
D15716	Q330	3 1/4"	3000	None	\$3.05	\$1.79
C15586	Q345	4 1/2"	450	None	3.05	1.79
D15717	Q427	4 1/2"	2750	None	3.05	1.79
D15718	Q445	4"	450	None	3.05	1.79
C15590	Q508	5"	6	None	3.05	1.79
C15591	Q518	5"	1800+	None	3.05	1.79
C15592	Q530	5"	2750	None	3.05	1.79
C15517	Q510	5"	1000	None	3.05	1.79
C15518	Q545	5"	450	None	3.05	1.79
C15593	Q606	6"	6	Univ.	4.70	2.76
C15594	Q610	6"	1000	Univ.	4.70	2.76
C15595	Q618	6"	1800+	Univ.	4.70	2.76
C15596	Q625	6"	2500	Univ.	4.70	2.76

\*Tapped at 1,500.

## P. M. Dynamic Speakers

Stock Num.	Mfg. Code	C. Dia.	Field Ohms	Out'p Trans.	List Price	Your Price
D15710	3PY	3 1/4"	1 1/2"	None	\$2.50	\$1.47
D15711	3PZ	3 1/4"	2 1/2"	None	2.65	1.56
D15597	3P	3"	5	None	3.75	2.21
D15712	4PY	4"	1 1/2"	None	2.50	1.47
D15713	4PZ	4"	2 1/2"	None	3.00	1.76
D15714	5PY	5"	1 1/2"	None	2.65	1.56
D15715	5PZ	5"	2 1/2"	None	3.00	1.76
D15598	6P	6"	5	None	3.85	2.26
D15599	6P	6"	5	None	4.75	2.79

## 8 and 10 In. Speakers

Especially desirable as replacement speakers for console cabinet receivers. Excellent tone reproduction. Speakers easily handle 10 watts without distortion. Voice coil impedance 6 to 8 ohms. Supplied with Universal Output Transformer to match any tube, Single or Push-Pull.



### Electro-Dynamic Speakers

Stock Number	Mfg. Code	Cone Dia.	Field Ohms	List Price	Your Price
C15615	Q810	8"	1000	\$6.05	<b>\$9.56</b> Each
C15617	Q818	8"	1800+	6.05	
C15618	Q825	8"	2500	6.05	Each
C15619	Q1010	10"	1000	8.25	<b>\$4.95</b> Each
C15620	Q1015	10"	1500	8.25	
C15621	Q1020	10"	2000	8.25	
C15622	Q1025	10"	2500	8.25	Each

\*Tapped at 300 ohms.

## P. M. Dynamic Speakers

Supplied Less Output Transformer.

Stock Num.	Mfg. Code	C. Dia.	Field Ohms	List Price	Your Price
C15623	8P	8"	5 Oz.	\$5.75	\$3.38
C15624	8P	8"	7 Mag.	6.50	3.82
C15625	10P	10"	12 Wt.	9.25	5.44

## Output Transformers for PM Speakers

Univ. Tube	Univ. Line	For Speaker	Each
C6968	E6969	8P & E8P	85c
C6970	C6971	10P	\$1.18



# RADIO and PUBLIC ADDRESS SPEAKERS

## Radolek Electro-Dynamic Speakers Use External Field Excitation

For replacement in radio sets which supply speaker field current or where a low priced efficient unit is required. Models are listed for replacement in practically any radio set. Heavy pressed steel frame holds assembly absolutely rigid, assuring perfect alignment of voice coil even under severe operating conditions. All speakers fully dustproofed. Speakers with field coil resistance other than those listed can be supplied on special order at slightly higher prices.

## Radolek P.M. Dynamic Speakers Require No Field Excitation

Made of finest materials by one of the largest speaker manufacturers in the country. Equal to other speakers selling for much more than the low prices below. Latest type highly saturated permanent magnets are used, which retain their strength indefinitely. For practical applications these speakers are superior to field excited dynamics. Heavy pressed steel frame holds assembly absolutely rigid assuring perfect alignment of voice coil even under severe operating conditions. All speakers fully dustproofed.

### 12" and 15" Public Address Dynamic Speakers

#### For All Public Address and Radio Replacement Uses

Fine quality, highly efficient dynamic speakers. Designed particularly for Public Address Installations and Radio Set replacement use where high power handling capacity must be combined with high sensitivity and faithful reproduction. Made of best quality materials. Rigid pressed steel frame finished in smooth black enamel. One piece moulded weatherproof cones. Entire unit fully dustproofed. Supplied less output transformer. R12G Electro-Dynamic Speakers are supplied with base stand as shown at left, above. P.M. Dynamics and R12Q, R12F Electro Dynamics are supplied less stand as illustrated.



R12Q, R12F Electro-Dynamic and P.M. Dynamic

### 12 Inch Electro-Dynamic Speakers

Stock Number	Model Number	Watts Normal	Rat. Peak	Field Ohms	Spkr. Depth	Voice Dia.	Coll Imp.	Ship. Wt.	List Price	PRICE EACH
C15611	R12Q†	9	13	1000	5 1/4"	1"	5.5	6 1/4 lbs.	\$ 9.65	\$5.10
C15612	R12Q†	9	13	2500	5 1/4"	1"	5.5	6 1/4 lbs.	9.65	
C15613	R12F	16	24	1000	7 1/4"	1 1/4"	8.0	11 lbs.	13.25	\$7.01
C15614	R12F	16	24	2500	7 1/4"	1 1/4"	8.0	11 lbs.	13.25	
C15632	R12Q	20	30	1000	7 1/4"	1 1/4"	8.0	16 lbs.	21.50	\$11.38
C15633	R12Q	20	30	2500	7 1/4"	1 1/4"	8.0	16 lbs.	21.50	

†Supplied with Universal Sale, or P.P. Output Transformer—less Stand.

### 12 Inch P.M. Dynamic Speakers

C15634	R12P	10	15	12	4 1/4"	1"	8.0	5 1/4 lbs.	\$11.25	\$ 5.95
C15635	R12EP	13	20	20	5 1/4"	1"	8.0	6 1/4 lbs.	16.00	8.47
C15636	R12FP	16	24	31	5 1/4"	1 1/4"	8.0	8 1/4 lbs.	17.25	9.13
C15637	R12GP	17	24	46	6 1/4"	1 1/4"	8.0	9 1/4 lbs.	24.25	12.84
C15638	R12GTP	20	30	64	6 1/4"	1 1/4"	8.0	12 1/4 lbs.	27.50	18.39
D15640	R12HP	22	33	7 lbs.	6 1/4"	1 1/4"	8.0	15 1/4 lbs.	33.75	22.76

### 15 Inch P.M. Dynamic Speaker

C15639	R15HP	24	36	7 lb. mag.	7 1/4"	1 1/4"	8.0	18 1/4 lbs.	\$49.75	\$26.32
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### 5", 6" and 8" Radio Replacement Speakers

Also Suitable for P.A. Extension Uses

#### Electro-Dynamics

Use these speakers on small radio sets which provide speaker field supply or where speaker field is part of filter system. May also be used for P.A. extension where field supply is available. Fully dustproofed.

#### 5" Speakers

For replacement in Mantel type AC-DC receivers and Auto Radios. Handles up to 3 1/2 watts without overloading or chattering. 3 1/2 ohm voice coil. 3/4" dia. Size, 5" dia. x 2 1/2" deep. Less output transformer.

C15639—6 Ohm Field	List Price, \$3.05
C15640—450 Ohm Field	YOUR PRICE
C15641—1000 Ohm Field	Each
C15642—1800 Ohm Field	
Tapped 1500-300	\$139
C15638—2750 Ohm Field	

#### 6" Electro-Dynamic Speakers

Adequately fulfills requirements for reproduction in medium sized radios. Handles up to 6 watts peak. 4 watts average power output. 3 1/2 Ohms voice coil. 3/4" dia. Size, 6" dia. x depth 2 1/2". Complete with Universal Sale, or P.P. Tube Matching Transformer.

C15614—6 Ohm Field	List Price, \$4.70
C15615—1000 Ohm Field	YOUR PRICE
C15613—1800 Ohm Field	Each
Tapped 1500-300	\$249
C15611—2000 Ohm Field	
C15612—2500 Ohm Field	

#### 8" Electro-Dynamic Speakers

Suitable for replacement in large table model radios, small console receivers, multi-speaker sound distribution systems and small Public Address systems. Handles up to 10 watts peak, 6 watts normal. Voice coil dia. 3/4". Resistance, 3 1/2 ohms. Size, 8" dia. x depth 4 1/4". Complete with Universal Single or P.P. Tube Matching Transformer.

C15620—100 Ohm Field	List, \$6.05
C15622—2500 Ohm Field	Price, Ea. \$320

#### P.M. Dynamics

Especially suited for replacement in Pee Wee radio sets, midrange radios, table models and small console sets. Also used to a great extent as extension speakers in large P.A. sound distribution systems. Fully dustproofed. All models quoted Less Output Transformer. Voice coil impedance 3 1/2 ohms.

#### Special 5" Speaker

5" Dia. Depth 2 1/2". Power handling capacity 2 watts, 3 watts peak. 1 1/2 Ohm Magnet. 1/2" dia. Voice Coil. Ship. wt. 1/2 lbs.

C15689—List Price, \$2.65.	\$140
YOUR PRICE	

#### High Fidelity 5" Speaker

5" Dia. Overall depth 2 1/2". Power handling capacity 3 watts, 4.5 watts peak. 5 Ohm Magnet. 3/4" Dia. Voice Coil. Ship. wt. 1 1/4 lbs.

C15675—List Price, \$3.85.	\$204
YOUR PRICE	

#### 6 Inch Speaker

6" Dia. Overall depth 2 27/32". Power handling capacity 4 watts, 6 watts peak. 5 Ohm Magnet. 3/4" Dia. Voice Coil. Ship. wt. 1 1/2 lbs.

C15677—List Price, \$4.75.	\$251
YOUR PRICE	

#### 8 Inch Speaker

8" Dia. Depth 3 1/4". Power Handling Capacity 7 watts, 11 watts peak. 5 Ohm Magnet. 3/4" Dia. Voice Coil. Ship. wt. 2 1/2 lbs.

C15685—List Price, \$5.75.	\$304
YOUR PRICE	

#### High Fidelity 8 Inch Speaker

8" Dia. Overall depth 3 3/4". Power handling capacity 7 watts, 11 watts peak. 7 Ohm Magnet. 3/4" Dia. Voice Coil. Ship. wt. 2 3/4 lbs.

D15680—List Price, \$6.50.	\$344
YOUR PRICE	

### Output Transformers

Most speakers on this page are listed less transformer. Proper size transformers for each speaker are listed below. Same transformer may be used for either Electro-Dynamic or Permanent Magnet Dynamic Speakers. Universal Type Transformers match all tubes in single and P.P.



Stock Number	Transformer Impedance	For Speaker	YOUR PRICE
C6973	2,000	3 1/2" 4" 5"	Each 49c
C6974	4,000	3 1/2" 4" 5"	
C6975	10,000	3 1/2" 4" 5"	
C6976	25,000	3 1/2" 4" 5"	

### Universal Output Transformers

Tube Trans. Stock No.	Line Trans. Stock No.	For Speaker	YOUR PRICE
C6979	C6980	6"	79c
C6979	C6982	8"	

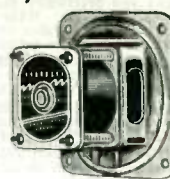
### For 12" and 15" Speakers at Left

Tube Stock No.	Line Stock No.	For Speaker Models	Your Price
C6950	C6951	R12Q, R12P, R12EP	\$1.86
C6900	C6901	R12FP, R12GP, R12HP, R12Q	1.37
C6902	C6903	R12GTP, R12HP	1.67
C6904	C6905	R15HP	1.67

### New Midrange Speakers

#### 3 1/2" Electro-Dynamics

For replacement in AC-DC Midrange sets where economy of space is important. Excellent frequency response. 3 1/2 Ohm voice coil, 3/4" dia. Handles up to 3 1/2 watts. Size, 3 1/2" dia. x 2 1/4" deep. Less Output Transformer.



D15686—450 Ohm Field  
D15690—3000 Ohm Field  
List, \$3.05.  
Your Price, Ea. \$139

#### 3 1/2" P.M. Dynamic

3 1/2" Dia. Depth 2". Power handling capacity 2 watts, 3 watts peak. 1 1/2 Ohm Magnet. 1/2" dia. Voice coil, 1/2" dia. Ship. wt., 1 lb. Price quoted is less output transformer.

D15691—List Price, \$2.50.	\$132
YOUR PRICE	

#### 4" Electro Dynamics

4" Dia. depth 2 1/4" power handling capacity 2 watts 3 1/2 watts peak. 1 1/2 Ohm Magnet. 1/2" dia. Ship. wt. 1 1/2 lbs. Less Output Transformer.

D15692—450 ohm field. } List, \$3.05.	\$139
D15693—2750 ohm field. } Each	

#### 4" P.M. Dynamic

4" Dia. depth 2 1/4" power handling capacity 2 1/4 watts 3 1/2 watts peak. 2 1/2 ohm voice coil 1/2" dia. 2 1/2 oz. magnet—Less Output Transformer.

D15694—List, \$3.00.	\$159
YOUR PRICE, Each	

Use Transformers Listed above for these Speakers

### 2 Inch Permug Speaker

This new midrange speaker will provide unlimited new applications. Especially designed for hearing aid devices, communication systems and more compact radio and other sound equipment. Highly sensitive. Excellent voice frequency response permits use as microphone as well as speaker. Powerful, high permeability, permanent magnet. Voice coil impedance, 3 to 4 ohms. Normal resistance, 3 to 4 ohms. Size, 2 1/4" dia.

1 1/2 watt. Complete dustproofing.	
D15699—List Price, \$2.20.	\$129
YOUR PRICE, Each	

Transformers for Above

C6952—Voice Coil to Single Grid. For using speaker as microphone. Shielded.	73c
YOUR PRICE, Each	

C6953—Universal Output Transformer. Load imp. 2000 to 7000 ohms. V.C. 3-5 ohms.	73c
YOUR PRICE, Each	



# ASTATIC MICROPHONES



**D10003-A—Model WR-20 Double Dual-Diaphragm Crystal Microphone** with tilting head. Response free from peaks and dips to 10,000 c.p.s. High impedance output at -58 db. Cannot be acoustically overloaded. 15 Ft. cable and connector. Chrome finish. **YOUR PRICE \$1735**

**D10000-B—Model T-3 Crystal Microphone.** Response 30 to 10,000 c.p.s. Perfect for entertainers and orchestras. Output level -52 db. Satin chrome finish. Genuine Bimorph crystal. Semi-directional, but has tilt head for aiming direct at sound. Chrome finished. Has plug-in connector with 15 ft. cable. **YOUR PRICE \$1470**

**D10001-C—Model GT-3 Crystal Microphone** with desk stand. Same as above. Grip-to-talk switch built in stand tubing. Gripping stand with palm of hand puts mike in operation. With 15 ft. cable. **YOUR PRICE \$1764**

Above Microphones for 1/4"-27 thread stands.

**D10004-D—Model D-104 Crystal Microphone.** Especially designed for speech. Rising frequency above 500 c.p.s. stresses important speech frequencies. High impedance output at -18 Db. Response 500 to 4000 c.p.s. With connector and 8 ft. cable. Fits 1/4"-27 stands. Chrome finish. **YOUR PRICE \$1323**

**E10051-D—Model GD104 Crystal Microphone** with desk stand. Same as Model D-104 listed above, but has "Grip-to-talk" switch built in stand tubing. Gripping stand with palm of hand puts mike in operation. Will not overload or block from close talking. Chrome finish. **YOUR PRICE \$1617**

**Fig. E. Type "S" Switch Adapter.** A convenient "off" and "on" switch for models D-104, WR-20, T-3, N-30 microphones listed above. This switch is not sold separately but must be ordered with microphone. **E9972-D-104S. Model D-104 with switch \$1470**

Above microphones for 1/4"-27 thread stands.

**D10012-F—Model DN-HZ Dynamic Microphone** with tilting head. High impedance output at -55 db. Response 50 to 7000 c.p.s. Two tone gray and chrome finish. Plug-in microphone connector with 15 ft. cable. **YOUR PRICE \$1323**

**E9982-G—Model N-30. Crystal microphone** High impedance output at -52 Db. Response 30 to 10,000 c.p.s. All chrome finish. With 15 ft. attached cable and spring protector. **YOUR PRICE \$1029**

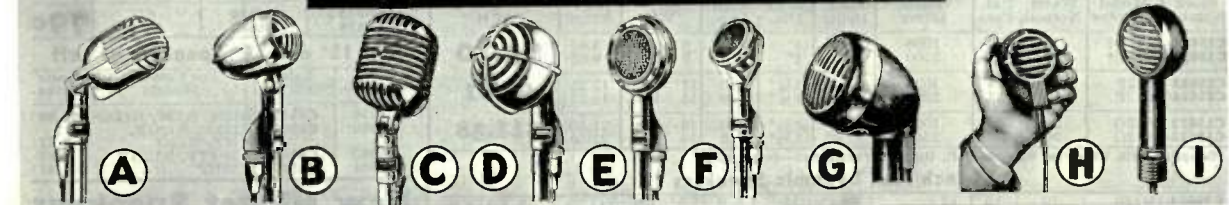
**D10041-H—Model JT-30-TT Crystal Microphone.** Wide range, semi-directional. Response 30 to 6000 c.p.s. High impedance output at -32 db. Finished in opalescent-gray and chrome. 15 ft. attached cable. **YOUR PRICE \$911**

**E9973-WR-20S. Model WR-20 with switch \$18.82**

**E9974-T-3S. Model T-3 with switch \$16.17**

**E9975-N-30S. Model N-30 with switch \$11.76**

# SHURE MICROPHONES



Microphones feature appealing modern design and excellent performance. Dynamic microphones are very rugged and practically unaffected by climatic conditions. Ideal for severe indoor or outdoor use. Smooth frequency response. Wide pickup angle at front and dead at rear, solves feedback problems. Tilting head (except E) for variable directional pickup. Detachable cable connector. Rich satin chrome finish. All types have high impedance output and fit 1/4"-27 thread stands.

**D10016-A—Model 708A "Stratoliner" Crystal Microphone.** Output -50 Db. **YOUR PRICE, With 7 Ft. cable \$1146**

**D10018-A—Model 508C "Stratoliner" Dynamic Microphone.** Output -60 Db. **YOUR PRICE, With 25 Ft. cable \$1734**

**D10010-B—Model 705A "Rocket" Crystal Microphone.** Response 30 to 10000 c.p.s. Output -58 Db. 25 Ft. cable. **YOUR PRICE \$1617**

**D10019-C—Model 55C "Unidyne" Cardoid Dynamic Microphone.** Response 40 to 10000 c.p.s. Output -56 Db. 25 Ft. cable. **YOUR PRICE \$2911**

**D10011-D—Model 730A "Unilux" Cardoid Crystal Microphone.** Sensitive at front and dead at rear. Response 30 to 10000 c.p.s. Output -63 Db. 25 Ft. cable. **YOUR PRICE \$2087**

**D10020-E—Model 704H "Super Level" Crystal Microphone.** Has wide response and high output level of -47.5 Db. 7 Ft. cable. **YOUR PRICE \$1323**

**D10023-F—Model 700D "Ultra" Crystal Microphone.** Has wide response of 30 to 10000 c.p.s. Output -58 Db. 25 Ft. cable. **YOUR PRICE \$1617**

**D10021-G—Model 707A Crystal Microphone.** An exceptional value! Smooth response. High impedance output at -50 Db. Iridescent gray finish with chrome grille. 7 Ft. attached cable. Fits 1/4"-27 stands. **YOUR PRICE \$735**

**D10022-G—Model 500C Dynamic Microphone.** As above. Output -63 Db. **YOUR PRICE \$1029**

**D10033-H—Model 750B Crystal Hand Microphone.** Compact and light weight. Iridescent gray finish with chrome trim. Excellent response. High impedance output at -50Db. Built-in on-off switch. 7 Ft. cable. **YOUR PRICE \$1470**

**D10026-I—Model 717A Crystal Hand Microphone.** Light weight brown plastic case. Excellent response. Output -50 Db. **YOUR PRICE, With 7 Ft. cable \$585**



**D10027—Model 725 Cardak Dynamic microphone.** Response 30 to 10,000 c.p.s. Output -52 db. On-off switch. Chrome finished. **YOUR PRICE \$3234**

**D9987—Model 612G Dynamic Microphone** with on-off switch and tilting head. Response 40 to 9000 c.p.s. Output -56db. Gun-metal. **YOUR PRICE \$1470**

**D9988-612C. Chrome. \$16.17**

**D9989—Model 630G Dynamic Microphone** similar to Model 612. On-off switch and tilt head. Response 40 to 10,000 c.p.s. Output -55 Db. Gun-metal finish. **YOUR PRICE \$1617**

**D9990-630C. Chrome. \$17.64**

**D9991—Model 640G Dynamic Microphone** with tilting head. Response 30 to 10,000 c.p.s. Output -52 Db. Gun-metal finish. **YOUR PRICE \$1764**

**D9992-640C. Chrome. \$19.11**

**D9993—Model 605G Dynamic Microphone.** Has fixed head. Response 35 to 8000 c.p.s. Output -58 Db. Gun-metal finished case. **YOUR PRICE \$1205**

**D9994-605C. Chrome. \$12.64**

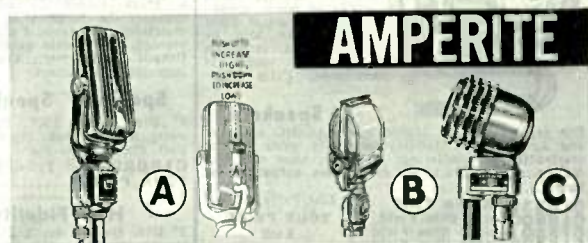
**D10049—Model V1 Velocity Microphone** with switch and tilting head. Response 40 to 10,000 c.p.s. High impedance output at -65 db. Compact gun-metal finished case with chrome screen. **YOUR PRICE \$1617**

**D10043-Model V2. Same as V1 but larger. Response 35 to 11,000 c.p.s. \$22.05**

**D9995-Model V3. Same as V2 but with variable output at 50, 200, 500 ohms or high impedance. \$2940**

**YOUR PRICE \$2940**

All Electro-Voice Microphones include 20 ft. cable with connector, fit 1/4"-27 stands and have high imped. output.



Type A and B Velocity Microphones feature acoustic compensator that increases the high or low frequencies by a mere flip of the finger. Makes microphone suitable for either close or distant pickup and for various room acoustical conditions. Type C Anti-feedback Dynamic is very rugged and practically unaffected by climatic conditions. All models except RAH and RAL have on-off switch and detachable cable connector. All have tilting head for variable directional pickup and 1/4"-27 thread stand fitting. Available in either chrome or gun-metal finish. \*High impedance for grid connection.

Stock Numbers	Chr.	Gum'l	Type	Model Num.	Output Imped.	Db.	Response c.p.s.	Cable Lgth.	Price Each
D10009	D10056	A	A	RSHk	*2000	-68	{80 to 12}	12	\$18.82
D10008	D10055	A	A	RBHk	200	-68	{8000 to 12}	12	\$24.70
D10007	D10058	A	A	RBHk	*2000	-65	{40 to 25}	25	\$24.70
D10006	D10057	A	A	RBMk	200	-65	{11000 to 25}	25	\$24.70
D10104	D10061	B	B	RAH	*2000	-68	{80 to 12}	12	\$12.94
D10102	D10108	B	B	RAH	200	-68	{7500 to 12}	12	\$47.04
D10067	D10109	B	B	SROHn	*2000	-56	{40 to 25}	25	\$47.04
D10066	D10110	B	B	SR9On	200	-56	{15000 to 25}	25	\$47.04
D10103	None	C	C	PGAH	*High	-57	{70 to 12}	12	\$14.70
D10105	None	C	C	PGAL	200	-57	{8000 to 12}	12	\$14.70
D10106	None	C	C	PGH	*High	-55	{40 to 25}	25	\$18.82
D10107	None	C	C	PGL	200	-55	{10000 to 25}	25	\$18.82



# KEYSTONE QUALITY MICROPHONES

## A Microphone for Every Public Address Requirement

Low in Cost—High in Performance

The microphones listed below have been selected on the basis of quality and utility, and will fulfill the requirements of your public address jobs. All are made by well known standard microphone manufacturers and are same quality as microphones ordinarily sold at considerably higher prices. All microphones fit standard  $\frac{1}{8}$ "-27 thread microphone stands and are equipped with detachable cable connectors. All units except D10043 Dynamic have a high impedance output for direct connection to tube grid of amplifier. Type D10045 is recommended where long microphone cables are necessary or microphone must operate under noisy line conditions.



### A—Dynamic Mike

Extremely rugged construction. Smooth high level semi-directional response. Tilting head. Range of 50 to 9000 c.p.s. Purposely not flat to allow better intelligibility under poor acoustical conditions. Output—54 db. No blasting under close talking conditions. Not affected by wind when used outdoors. Case attractively finished in pearl grey. Complete with 25 ft. cable and connector.

D10038—High Impedance Output Dynamic. **\$13.45**

D10045—Low Impedance (50 Ohms) Output Dynamic. **\$12.85**

### B—Anti-Feedback Mike

A new directional crystal microphone. For use wherever feedback has been a problem. Can be operated close to speakers, in low ceiling rooms, in front of noisy crowds. Ideal for rental sound systems which must work under various adverse acoustics. High level—58 db. allows use of cables up to 50 ft. Flat response from 30 to 10,000 c.p.s. with no peaks. Moisture-proof crystal with barometric compensator. 90° tilting head permits aiming at sound to be picked up. Finished in polished chrome.

D10046—Complete with 25 ft. cable and connector. **\$14.95**

### C—Crystal Mike

Broadcast quality and streamline appearance at new low cost. Here is a mike that will give you excellent all-purpose performance with truly high grade professional appearance of higher priced models. High impedance output. Range 30 to 8000 c.p.s. with no peaks to cause feed-back. Crystal cushion mounted. Output—52 DB. Semi-directional pick-up. Will not blast. Not affected by wind when used outdoors. Streamlined case beautifully chrome finished.

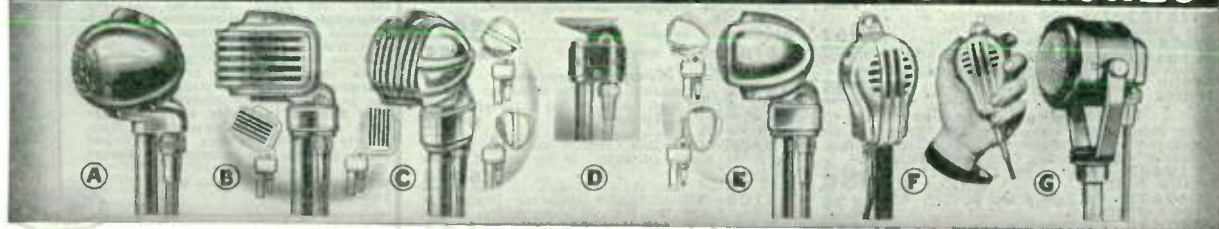
D10036—Complete with 25 ft. cable and connector. **\$7.65**

### D—Velocity Mike

Particularly desirable for use where high-fidelity hum free pickup for public address, recording or radio broadcast is required. Has narrow pickup arc of approximately 90°. Response essentially flat with slight accentuation of lows. High impedance output. May be used with most any amplifier having 4 stages or more. Cast metal case in metalized gun metal wrinkle finish. Shock-proof swivel mounting. Fits  $\frac{1}{8}$ "-27 stands.

E10050—Complete with 18 ft. cable and connector. **\$11.95**

## TURNER CRYSTAL AND DYNAMIC MICROPHONES



D10068—A—Model CX Crystal Microphone. Fine quality, low priced and dependable. Suitable for all P.A. recording and ham use. Remarkably free from feedback and will not blast from close talking. High impedance output at—52 db. Freq. range 50 to 7000 c.p.s. Rich brushed chrome finish. Fits  $\frac{1}{8}$ "-27 thread stands. 7 Ft. cable with detachable connector included. **\$8.82**

D10069—A—Model CD Dynamic. Same as above except has a more rugged high impedance output dynamic unit. **\$9.70**

D10062—F—Man-D Crystal Microphone. Fills the job of two mikes. Has built-in suspension hook for hanging, can be held snugly in your hand or mounted on a  $\frac{1}{8}$ "-27 thread banquet or floor stand. High impedance output at—48 db. Freq. range 60 to 7,000 c.p.s. Built-in on-off slide switch. Rich brushed chrome finish. 7 Ft. cable and detachable connector included. **\$13.23**

D10063—F—Man-D Dynamic Microphone. Same as above except with a rugged high impedance output dynamic unit. **\$14.70**

All above microphones have 25' cable and

D10070—C—Model 33X Crystal Microphone. 90° Tilting head provides semi or non-directional pick-up. High impedance output at—52 db. Freq. range 30 to 10,000 c.p.s. Satin chrome finish. Fits  $\frac{1}{8}$ "-27 thread stands. 25 Ft. cable with connector included. **\$13.23**

D10071—C—33X with switch D. **\$14.41**

D10077—C—Model 33D Dynamic. As above but has range 40 to 8,500 c.p.s. **\$14.70**

D10078—C—33D with switch D. **\$15.88**

D10091—E—Model 22X Crystal Microphone. Has all features of above Model 33X but with freq. range of 30 to 7000 c.p.s. **\$12.95**

D10097—E—22X with switch D. **\$13.23**

D10092—E—Model 22D Dynamic. As above but has range 40 to 8,000 c.p.s. **\$14.99**

D10098—E—22D with switch D. **\$16.17**

connector unless otherwise specified.

D10095—B—Model 34X Crystal Microphone. 90° Tilting head provides semi directional and non-directional pick-up. Freq. range 30 to 10,000 c.p.s. High impedance output at—58 db. Rich satin chrome finish. Fits  $\frac{1}{8}$ "-27 thread. 25 Ft. cable with detachable connector included. **\$14.70**

D10075—G—Model 88 Dynamic Microphone. Tilting head provides semi or non-directional pick-up. Has crisp natural reproduction. Wind and blast proofed. No "boomy" response. Weighted frequency response, 40 to 9,000 c.p.s. High impedance output at—54 db. Chrome finished. Fits  $\frac{1}{8}$ "-27 thread stands. 25 Ft. cable with detachable connector included. **\$14.70**

E10088—G—Model 99 Dynamic Response 40-9000 CPS Level—52DB. Hi-impedance type. List. \$32.50. **\$19.11**

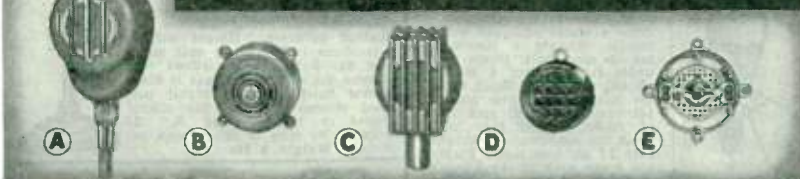
E10089—G—Model 99. 50 ohm output. List. \$29.50. **\$17.35**

E10099—G—Model 999. Balanced Line Dynamic. For long lines. 50 ohm output. List. \$32.50. **\$19.11**

E10090—G—Model 999. 500 ohm output. List. \$35.00. **\$20.58**

E10093—G—Model U-9S-Dynamic. Has selective outputs of 50, 200, 500 ohms and High Impedance. List. \$37.50. **\$22.05**

## CARBON MICROPHONES



### B—Radolek Ring Model

D10037—Fine quality double button carbon microphone, carefully selected after exhaustive tests. No frills, just real microphone quality priced very low. 24 kt. gold button contacts. Response 50-3500 c.p.s. 500 Ohms per button, total 400 ohms. Faithfully reproduces voice and music. Not to be confused with toy microphones selling at same price. This is a well assembled instrument for long trouble-free service.  $2\frac{1}{2}$ " Dia.,  $\frac{1}{8}$ " thick. Gun metal finish. **\$3.23**

### C—Radolek Stand Type

D10034—A stand type Double Button Carbon mike that performs like the more expensive crystal models. Sensitivity can be adjusted over a wide range for close talking or for minimum feedback, to full orchestral pickup. The high output makes it especially suitable for use with the audio amplifier of a radio receiver or low gain P.A. amplifier. Shockproof, mounted in a handsome moulded, gummetal finished metal case. Fits stands with standard  $\frac{1}{8}$ "-27 threads. **\$4.70**

### A—Electro-Voice Model 202

D10028—Single button carbon hand microphone. Has built in suspension hook for hanging or can be held conveniently in the palm of your hand. Speech is crisp, clean and blast proof. Push-to-talk switch is right at your thumb. Has 6 ft. rubber covered shielded cable. Ideal for amateur use and P.A. **\$8.23**

### D—Universal Model W

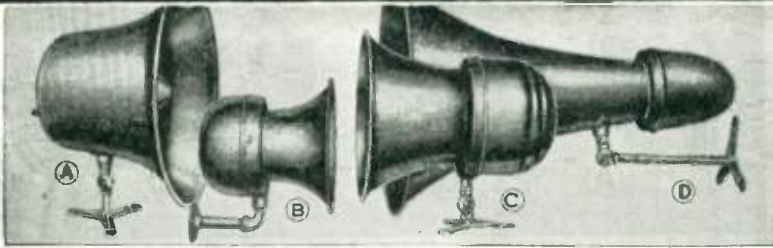
D10032—Watch Model. A compact single button carbon microphone. Only  $1\frac{1}{2}$ " in dia.,  $\frac{1}{4}$ " thick. Highly sensitive. Has pure gold spot center diaphragm. Ideal for detective work. **\$1.76**

### E—Universal Model XX

D10030—Double Button Carbon Microphone for ring mounting. One of the finest carbon mikes made. Truly faithful and natural tone. Freq. range 40 to 6000 c.p.s. Pure gold contacts. Duralumin stretched diaphragm. Ruggedly built for long service.  $2\frac{1}{2}$ " Dia.,  $\frac{1}{8}$ " thick. 200 Ohms per button. **\$5.88**



# P.A. Sound ACCESSORIES



## All-Metal Speaker Baffles and Trumpets

The public address speaker baffles of the designs here listed give an even directional distribution of sound and have sufficient flare to effectively reduce feed-back. All units are ruggedly constructed for

both indoor and outdoor use. Very well adapted for durable installations. All steel baffles are finished in durable weather-proof baked-on gray enamel.

### A—Re-Entrant Baffle

**E15100**—All-Steel Trumpet for 8" speakers. Light in weight. 22 3/4" Dia. bell. 17 3/4" long. Height from base 27". Welded on mounting support fits standard 3/4" pipe fittings. Less Speaker and Bracket.

**YOUR PRICE \$1853**

**E15101**—As above but complete with Heavy Duty 8" PM speaker. Less Bracket.

**YOUR PRICE \$2619**

### C—All Steel Baffles

For 12" Speakers. Two piece wedge-fit rattle-proof all steel construction. Has screened breather openings to relieve speaker back pressure. Welded on mounting support fits 1 1/2" pipe fittings. Less speaker and adjustable bracket. Bell 17" dia. Overall depth 20".

**D15180**—With 1/2" pipe fittings.

**YOUR PRICE \$900**

**D15183**—Less pipe support but with eye rings for suspension.

**YOUR PRICE \$862**

**E15176**—Same as E15180 above but of lighter gauge metal. Less speaker and mounting bracket.

**YOUR PRICE \$795**

### Weather-Proof Horn Covers

For above metal horns. Provides protection for speaker when not in use. Slips over bell openings. Made of water-resisting cloth with elastic band.

**E12443**—For 6" and 8" Type B.

**YOUR PRICE \$98¢**

**E12439**—For Type A and D.

**YOUR PRICE \$175**

**E12533**—For Type C.

**YOUR PRICE \$116**

### Microphone Stand On-Off Switch

May be used with any type of microphone equipped with female 3/4"-27 thread and stand with male 3/4"-27 thread. Two holes in back with strain relief clamp for mike cable. Chrome plated.

**D11085**—With shorting slide switch.

**D11086**—With "push-to-talk" push button switch.

**YOUR PRICE Each \$118**

### Microphone Springs

Loop ends. Tempered spring steel. Heavy cadmium plated finish to prevent rusting.

**K10074**—Eight for....

**17¢**

### Carbon Granules

Carefully selected and highly polished. Acid treated to reduce ash content. Will stand higher current without burning. Vial contains sufficient granules to repack two double-button carbon microphones.

**K10082**—Size No. 100. Higher sensitivity and higher background noise. Provides best quality reproduction but packs easily.

**K10083**—Size No. 80. Best general purpose granules. Lower hiss, good quality reproduction and does not pack easily.

**K10084**—Size No. 60. Best for sound trucks and hard usage. Low hiss, more freedom from packing, fair quality reproduction.

List Price Per Vial, \$1.00.

**YOUR PRICE \$47¢**

### Microphone Cover

A universal protective cover for all types of microphones. Gives complete protection against moisture, dust, howl of wind. Made of oil impregnated silk. Will withstand temperature changes from -20 to +120 degrees Fahrenheit without affecting its efficiency. Microphone may be used while cover is on. Supplied with draw-string.

Cover size 5 1/2"x8".

**E10080**—Microphone cover.

**YOUR PRICE \$59¢**

### B—Midget Baffle

Suitable for call-systems. Sturdy all-steel vibration-less two piece construction. Welded on mounting support. Takes 1/2" pipe fittings. Gray wrinkle finish. With pipe bracket but less pipe fittings and speaker.

**E15182**—For 6" Speaker. Bell 10" dia. 5" deep. Overall depth 9 3/4".

**YOUR PRICE \$535**

**E15105**—For 8" speaker. Bell 14" dia. 9" deep. Overall depth 17".

**YOUR PRICE \$870**

### D—P. A. Trumpet

**D15165**—Trumpet and Speaker. Includes a powerful 8" permanent magnet driver speaker that will handle up to 15 watts power output without distortion. Speaker voice coil impedance 8 ohms. Made of heavy spun steel. Bell diameter 24". Length overall 36". Support fits 1 1/2" standard pipe fittings. Less adjustable mounting support.

**YOUR PRICE \$3030**

**D15167**—Baffle only

**\$24.55**

### Horn Mounting Brackets

**D15184**—Adjustable Crowfoot Mounting support Bracket as shown on figure A and C for all baffles above except P.A. Trumpet.

**YOUR PRICE \$162**

**D15166**—Adjustable Crowfoot mounting support bracket as shown on figure D for any of above baffles.

**YOUR PRICE \$214**

**E15108**—Non-Adjustable Mounting Bracket as shown on figure B. For all above baffles except Re-Entrant Baffle and P.A. Trumpet.

**YOUR PRICE \$65¢**

### Cable Rack

**Fits Any Mike Stand**

**C15265**—Rack only—no stand.

**YOUR PRICE \$103**

A new, convenient method of storing microphone cable that eliminates tangling and tripping. Will save you enough money in increased cable life, to more than pay for its low cost. Snaps on to mike stand, and holds secure even with a heavy load. Will hold up to 100 feet of regular mike cable. Smooth black enamel finish.

### Microphone Cable Guide

Cable Guide—Holds cable neatly to outside of Microphone stand. Attach to tubing near base. Made of black gum rubber. Can be stretched to pass over obstacles.

**D12266**—For 1 1/4" or 1 1/2" diameter tubing

**YOUR PRICE \$29¢**

### Third Hand Holds the Mike

**C9971**—

**YOUR PRICE \$153**

If you announce sports events, drive a sound equipped automobile, operate a transmitter or need both hands free while talking over a microphone, the Third Hand holds the mike close to your mouth, yet keeps it out of your line of vision. Slips over your head, fits comfortably. Weighs only 12 oz. less mike. Flexible goose neck allows adjustment of microphone to any position. Fits any standard microphone having 3/4"-27 thread female mounting.

### Microphone Handle

**D11087**—5" Light weight handle. 3/4"-27 Thread. Gun-metal gray.

**YOUR PRICE \$36¢**

### Suspension Yoke

**D11088**—Two hole suspension yoke for any mike with 3/4"-27 thread fitting. Gray wrinkle finish.

**YOUR PRICE \$36¢**

## Radolek Special Microphone Stands Best Quality—Best Values

### Our Finest Floor Model

**K15260**—  
**YOUR PRICE \$975**



The finest in workmanship and quality of materials. Attractive modernistic design. Particularly suited for High Class Broadcast and Public Address installations. Fourteen pound Cast Base 12" diameter finished in Baked Black enamel. Rigid seamless brass two piece standard is adjustable from 40" to 72". Lower section 1 1/4" Dia. New friction clutch allows instant raising and lowering of microphone. Clutch keeps smooth constant pressure which prevents collapsing of stand even with the heaviest velocity microphone. Standard finished in triple plate highly polished chrome. Comes with swivel joint coupling for microphone having either 3/4" pipe thread or 3/4" 27 thread fitting. No Ring or Microphone Included.

### De Luxe Floor Stand

**E15262**—  
**YOUR PRICE \$588**

A neat and attractive floor stand built for convenience and hard usage. Six pound 9" diameter cast base makes stand very rigid. Seamless spinning covers casting. Rigid seamless two piece standard is adjustable from 40" to 68". New friction clutch allows instant raising and lowering of microphone. Clutch keeps smooth constant pressure which prevents collapsing of stand even with the heaviest velocity microphone. Standard finished in highly polished triple plate chrome. Base finished in black crackle enamel. Comes with Swivel Joint coupling for microphones having either 3/4" pipe thread or 3/4" 27 thread fitting. No ring or microphone included.



### Portable Floor Stand

**R15266**—  
**YOUR PRICE \$695**



Attractive floor stand similar in mechanical construction to above stands. Particularly designed for use with portable P.A. systems. Easily and quickly detachable into four pieces. (9" base and three 17" sections). Each section is inside threaded to form a smooth surfaced rigid stand. No bulky and unsightly external couplings are used. Various number of sections can be used to make mike stand adjustable from 20" to 34", 37" to 51" or 54" to 68". Fits microphones with 3/4"-27 thread. Base finished in black wrinkle enamel. Stem and clutch are polished chrome.

### Banquet Stand

**R15267**—  
**YOUR PRICE \$125**

A very attractive banquet stand. Suited for all public address and amateur purposes. Height without microphone 10". Heavy cast metal base has 3 feet which allows it to come out at bottom. Base is black crackle finish, stem of highly polished chrome. Thread fits microphones or rings having 3/4" 27 thread. No ring or microphone included. Weight 3 lbs.



### Desk Stand

**R10073**—  
**YOUR PRICE \$147**



A modernistic desk stand finished in black crackle. Octagon shaped ring is 1/2" inches in diameter. Will mount practically any carbon microphone. Heavily weighted 5" dia. base prevents stand from tipping. Overall height 9". 8 microphone springs included.



# RECORDERS FOR HOME & STUDIO



## Webster Standard Model Recorder With Record Changer

**D15391**—Webster-Chicago Model 5576 recording and playback chassis with record changer. Low pressure pickup with removable needle. Less power cord and connecting cable.

**YOUR PRICE** ..... **\$4410**

**E15325**—Model 5576S—Same as above except has pickup with permanent sapphire needle.

**YOUR PRICE** ..... **\$4704**

Records on acetate or composition blanks up to 10" dia. Will play back all 78 RPM records up to 12". Silent operating, jam-proof record changer holds up to ten 12" or twelve 10" commercial records. Push buttons provide for record rejection and manual operation. Automatic velocity grip device insures positive record changer action at conclusion of the record. Heavy duty, constant speed synchronous motor operates turntable at 78 RPM through positive gear drive. Retractable record driving pin for acetate discs automatically allows playing of commercial records without manual adjustment. Crystal type high impedance recording head cuts at 90 lines per inch from outside to center. Only 3 to 5 watts needed for full needle deflection. Recording arm adjustable for cutting depth, cutting angle and use of either long or short shank needles. High impedance low pressure crystal play-back unit balanced to 1 oz. needle pressure, minimizes record wear. Entire assembly attractively finished in brown wrinkle enamel. Mounting plate 15 1/2" x 14 1/2" overall. Mechanism extends 5" below plate and 6" above plate. Wt. 30 lbs. For 110 v. 60 cyc. A.C.

## Webster DeLuxe Model Recorder With Record Changer

Similar to above but finer construction, appearance and operation than Model W5575 above. Automatically plays up to 17 mixed ten and twelve inch records at 78 RPM. Mechanism stops automatically after last record has been played. Hammered bronze enamel finish. Size, mounting plate 13 1/2" x 17 1/2". Mechanism 5 1/2" above and 4 1/2" below plate. Ship wt. 35 lbs. Comes complete with crystal pickup and AC switch.

**D15373**—Model 5596 Recording and Playback Chassis with record changer. Low pressure pickup with removable needle. Less power cord and connecting cable.

**YOUR PRICE** ..... **\$7232**

**D15326**—Model 5596S—Same as above except has low pressure pickup with permanent sapphire needle.

**YOUR PRICE** ..... **\$7526**

## 8 Watt Recording Amplifier

**E15040** — 8 Watt 3 stage Recording Amplifier. Wired, 5 tubes. Price, **\$1675**  
**E15041** — Amplifier with 5 50000 tubes. Price **\$19.87**

For 105-120 volt 50-60 cycle AC operation. A compact recording amplifier that may be used in conjunction with any of the recorder chassis listed on this page or with units of other manufacture having similar specifications. Response characteristics are such that when this amplifier is used in conjunction with a good microphone and a recording unit of a quality comparable to those listed on this page, results can be obtained that are fully equal to or better than the average good quality home recording units now available. Amplifier has been especially filtered to eliminate hum. Amplifier has input channels for either microphone or phonograph. Microphone channel has sufficient gain to allow use of practically any type of microphone. Phono channel allows connection of any high impedance pickup, or may be used with radio for "Off The Air" recordings by adding a suitable connecting network. Single control regulates volume of either channel. Amplifier output may be connected directly to a 4 or 8 ohm magnetic recording head, or by addition of a suitable connecting network may be used with high impedance crystal recording head. Amplifier comes complete with necessary instructions to make up a complete recorder using microphone or radio to feed a crystal or magnetic recording head. Instructions and list of parts to construct a simple volume indicating device are also supplied. Uses 5 tubes: —1-6SR7, 1-6SN7, 2-6V6's, 1-80. Size 10 1/2" L. x 6" W. x 8 1/4" H.



## General Industries Combination Record Changer—Recorder

Records up to 10" Discs at 78 RPM

A combination record changer and recorder in a single unit. Plays twelve 10" or ten 12" records automatically. Records on acetate coated or composition discs up to 10" in diameter. Only necessary to lower cutting arm over record disc to start recording operation. Crystal recording head cuts at 110 lines per inch. Has convenient depth of cut adjustment. One lever to move when changing from 10" to 12" records, removing records or to set for manual operation and recording. Non jamming record handling fingers. Changing mechanism is operated by "run in" or "oscillating" grooves at end of record. Pickup is guided into playing position whether or not record has "lead in grooves." Furnished with 1 1/2 oz. low pressure crystal pickup having response of 30-7000 cps. Self-starting, rim drive. Induction motor operates at 78 R.P.M. 10" weighted turntable. Base plate 14" x 14". Mechanism extends 5 1/2" above and 3 1/2" below panel. For 110V. 60 cycle A.C. Brown iridescent finish. Shpgs. wt. 30 lbs.

**E15351**—G.I. RC130L with low pressure pickup. Ready to operate. List, \$54.45.

**YOUR PRICE** ..... **\$3267**

## G. I. Recording Motor

For Recording up to 10" Discs  
At 78 RPM

Heavy duty, rim-drive type. Self starting and uniform in speed. Motor is rubber insulated from both mounting plate and turntable for quiet operation. Oil-less bronze bearings throughout.



For 110 Volt 60 cycle AC Operation

**E15362**—GI-RM4—Complete with mounting plate, 10" weighted turntable, mounting screws, nuts and washers. List, \$12.30.

**YOUR PRICE** ..... **\$738**

## Dual Speed Portable Home Recorder

Instantly Produces

### "Professional" Quality Recordings

An unusually compact and efficient dual speed recorder, playback, and Public Address Unit. Fully equal to and better than most of the average good quality home recording units on the market and is comparable in performance to many professional models. Easy to operate. Will record or playback acetate discs up to 10" dia. Plays back commercial records up to 12" dia. Only necessary to lower cutting arm over disc to start recording operation. Depth of cut adjustment conveniently located on top of cutter arm. Latest type crystal cutting head assuring true fidelity recordings. Cuts records up to 10" in diameter, outside to inside, grooving 110 lines per inch. Provided with new 1 1/2 oz. low pressure type crystal pickup which reduces surface noise to minimum, prolongs record life and assures faithful reproduction. Shure crystal microphone gives smooth frequency response for both voice and music. Powerful constant speed rim drive induction motor operates weighted 10" turntable. Handy speed change dial located on top of mounting plate instantly changes motor from one speed to another. Amplifier develops full 3 watts power output. Uses tubes: 6J7GT pre-amplifier, 6Q7GT volume amplifier, 6K6GT output, 5W4GT rectifier, 6U5 "electric eye" volume indicator. Special heavy-duty 6 1/2" dynamic speaker, properly baffled reproduces phono records and voice with pleasing fidelity and excellent volume handling capacity. Controls are easily accessible: include selector switch to shift from "Recording" to "Playback" or "P.A."; combination volume control and off-on switch; tone control and motor switch.



**E15361**—Dual Speed Recorder. Operates at 33 1/3 and 78 rpm. Complete with tubes, crystal microphone and stand with 7 ft. of cable.

**YOUR PRICE** ..... **\$6975**  
**E15363**—Single Speed Recorder. Same as dual speed model except operates at 78 rpm only. Complete, ready to operate.

**YOUR PRICE** ..... **\$6175**  
Housed in durable case covered with striped airplane-luggage cloth. Size 16" long x 16" deep x 14" high. Strong carrying handle. For 110-120 volts 60 cycle A.C. Shpgs. wt. 45 lbs.

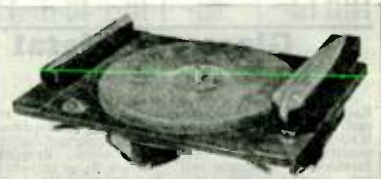
## General Industries Standard Recorder and Playback Unit

Records up to 10" Discs at 78 RPM.

Records at 78 RPM on acetate discs up to 10" dia., cutting 109 lines per inch. Manually plays commercial and acetate discs up to 12" dia. Feed screw automatically engages when cutter is placed on record. Depth of cut and needle angle adjust-ment easily accessible. Powerful induction motor uses rim drive to weighted 10" turntable. Motor and turntable are rubber mounted and insulated for quiet operation. Cutting head is high impedance crystal type. Playback pickup is 1 1/2 oz. low pressure crystal type. Size 15" Wide x 10" front to back. Brown iridescent finish. For 110 V. 60 cyc. operation.

**E15385**—Model G.I.—R70L Chassis less power cord and connecting cable. List, \$33.25.

**YOUR PRICE** ..... **\$1995**



## General Industries De Luxe Recorder and Playback Unit

Records up to 10" discs at 78  
or 33-1/3 R.P.M.

Records at 78 or 33 1/3 RPM. without "wows." vibration or speed variations. New crystal recording head cuts at 110 lines per inch on acetate coated recording discs. Has convenient depth of cut adjustment on cutting arm. Only necessary to lower cutter arm over record to start recording. Has 1 1/2 oz. low pressure crystal pickup. Dual speed rim drive induction motor is dynamically balanced for smooth operation. Has handy speed change dial to shift motor from one speed to another. 10" weighted turntable is recessed into well in base plate. Comes in attractive walnut grain finish with plastic trim on pickup and cutter arms. Measures 15" wide, 11 1/2" front to back complete with all mounting hardware. For 110V-60 cycle A.C.

**E15376**—G.I.—R90L Recorder with Low Pressure pickup. List Price, \$39.30.

**YOUR PRICE** ..... **\$2358**





# Recording Discs-Needles-Accessories



## Highest Quality Acetate Recording Discs



Make Big Money Selling Recording Discs. The recent introduction of high quality, low cost, home recording equipment has opened up a large and profitable market for acetate recording blanks. Prospects are everywhere. Homes, Schools, Churches. The cuttings from these records are inflammable. base discs shipped by express only.

Preachers, Lawyers, Teachers, Dramatic Clubs, Music Schools, Students of Foreign Languages, Civic Clubs, Sales Organizations, Political Groups, Night Clubs, Orchestras, Broadcast Stations, and many more.

Proper care should be used in their disposal. Glass

## Bristol-Board Acetate Discs

The Most Popular Types for Home Recordings

High Quality at Lowest Cost

Professional Quality at Low Cost



Acetate coated discs on bristol-board base. Amazingly good quality at lowest possible cost. Most popular type home recording disc on the market. Used also by professional studios. Low background noise. Coated on two sides. Non-inflammable.

Cellulose Nitrate coated discs on bristolboard base. For studio and home recording. Background noise so low as to be practically inaudible. Coated on two sides.



Stock Num.	Dia.	Overall Thickness	Each	Your Price
E3325	6 1/2"	.082"	84	39c
E3326	8"	.082"	124	66c
E3327	10"	.082"	194	98c

Stock Num.	Dia.	Overall Thickness	Each	Your Price
E9313	6 1/2"	.052"	9c	40c
E9314	8"	.052"	13c	62c
E9315	10"	.052"	20c	95c
E9316	12"	.052"	44c	\$2.15
E9317	16"	.052"	67c	\$3.27

## Glass and Metal Base Acetate Discs

### Standard Recording Discs

For Studio and Home Recordings

Excellent quality acetate on metal base, for low cost, high quality Studio and Home Recordings. Will produce recordings closely approaching in quality the De Luxe discs listed below. Best obtainable, at moderate cost. Surface noise extremely low. Coated on two sides. Non-inflammable.

Stock Num.	Dia.	Net Weight	Each	Your Price
E3358	6"	10 oz.	14c	\$0.65
E3359	8"	12 oz.	21c	1.00
E3360	10"	14 oz.	28c	1.34

### DeLuxe Recording Discs

For Broadcast, Studio and Home Use

A very high quality, cellulose nitrate coated metal base disc, especially suited for Broadcast, Professional and Home Recordings where exceptionally fine results are desired. Surface noise practically inaudible. Coated on two sides.

Stock Num.	Dia.	Net Weight	Each	Your Price
E3155	6"	10 oz.	17c	\$0.80
E3156	8"	12 oz.	24c	1.15
E3157	10"	14 oz.	34c	1.65
E3158	12"	16 oz.	57c	2.80

## Gould Moody Glass Base Discs

A highly perfected coating compound on an absolutely flat, smooth glass base makes this one of the finest recording discs available for broadcast and professional use.

E9356—12" Disc. YOUR PRICE ..... **93c**  
E9357—16" Disc. YOUR PRICE ..... **\$1.89**

A powerful, optically ground and polished microscope lens for use in determining the depth and quality of record grooves, and condition of stylus and needle. Illuminates disc surface by self contained battery and small bulb.

E9350—Complete with bulb and battery YOUR PRICE ..... **\$2.25**

## Record Thread Remover

Rotary brush keeps all cutting thread away from cutting stylus, eliminating skips and snags on record being made. Flange with hole at one end fits center spindle. Screw adjustment at other end permits regulating of brush pressure.

E9355—For 10" turntable. YOUR PRICE ..... **98c**

## Groove Analyzer



## Audiodiscs—Yellow Label Type

For Broadcast, Professional and Home Use



An extremely high quality acetate recording disc with wide latitude characteristics. Exclusive machine-coating process produces a smooth flat cutting surface. Background noise practically non-existent. Coated on two sides. "Glass base, all others steel."

Stock Number	Diameter	Net Weight	Your Price
E9400	6"	10 oz.	\$0.40
E9401	8"	14 oz.	.55
E9402	10"	18 oz.	.80
E9403	12"	1 1/2 lbs.	1.00
E9404	14"	2 lbs.	1.00
E9405	16"	3 lbs.	2.00

Red Label Glass Discs. Highest quality professional recording blanks on glass base.

Stock Number	Diameter	Net Weight	Your Price
E9858	10"	1 1/2 lbs.	\$1.00
E9859	12"	2 lbs.	1.25
E9860	16"	3 lbs.	2.50

Special discounts to Dealers, Schools, and Broadcast Stations.

## Webster Magnetic Recorder Heads

Not affected by normal heat or temperature changes. Makes an excellent replacement unit, especially for crystal types as used in General Industries and similar home and professional recorders. Frequency range flat from 30 to 6000 cps. Only 1 1/2" width required for maximum recording level. Standard 1 1/2" in. spacing between mounting holes. Telephone Black finish. Polished Trim. Size: 2 3/4" x 1 1/4" wide.

D9421—Type R-84 recording head. Impedance: 8 ohms at 400 cycles.

D9422—Type R-84G recording head. Impedance: 500 ohms at 400 cycles.

YOUR PRICE. Either Type. **\$7.35**

## Recording and Playback Pickup



D9352—Complete with recording weight and stationary bracket. Single hole mount. Records on pre-grooved aluminum, or Victor Home Recording Discs, direct from radio or amplifier. Requires only 3 watts of power. Same head can also be used for playback. Response is flat from 60 to 5500 cycles. Impedance: 10,000 ohms. Statutory bronze finish. Length 9 in. Shipping wt. 1 lb.

YOUR PRICE ..... **\$3.23**

## Recording Needles For Ungrooved Acetate Discs

Precision made Long life. All recording needles have flat on shanks to keep from turning.



## Sapphire & Stellite

D9305—Type A. GENUINE PRESTO SAPPHIRE. Finest needle made for best quality recording. Average cutting life 5 hours. Can be resharpened. **\$6.00**

YOUR PRICE ..... **\$6.00**  
D9397—Type A. PRECISION GROUND SAPPHIRE. Will give good results. Average cutting life 5 hours. Can be resharpened. **\$3.25**

YOUR PRICE, Each ..... **\$1.00**  
D9300—Type A. STELLITE CUTTING NEEDLES. Make recordings that compare favorably with sapphire. Average cutting life two hours. Can be resharpened. **\$1.00**

YOUR PRICE, Each ..... **\$1.00**

## Steel Cutting Needles

D9306—Type B. High quality steel recording needles for acetate discs. Gives good quality, quiet recordings. Will make about ten 10" records. **\$1.00**

YOUR PRICE, Pkg. of 3 ..... **\$1.00**

D9308—Type B. Steel cutting needles for acetate coated discs. Special alloy steel hand-polished. Gives acceptable quality recordings. Will make about five 10" records. **\$5.9c**

YOUR PRICE, Pkg. of 5 ..... **\$5.9c**

Type B. Highest quality, precision diamond dust polished, steel cutting needles for recording on acetate discs. Each needle mounted in tip protecting card. Minimum surface noise.

E9861—Alloy tool steel. Will cut ten 6" discs, both sides. **18c**

YOUR PRICE ..... **\$1.80**

E9862—Precious metal alloy tip. Longer life. Will cut approx. 150 6" discs both sides. **34c**

YOUR PRICE ..... **\$3.40**

E9863—Extra hard precious metal alloy tip. Longest life. Will cut approximately 250 6" discs both sides. **67c**

YOUR PRICE ..... **\$7.20**

D9370—Steel recording needles for Victor Home Recording and other Pre-grooved discs. **25c**

YOUR PRICE, Pkg. of 8 ..... **25c**

## Astatic Recording Heads

Make excellent replacement units for home and professional recorders. Record with great brilliance of tone and wide frequency range. High power sensitivity. Use 3 watt amplifier. 24" leads.

E9416—Fig. A. X-26. Crystal Head. Requires 75 driving volts. Records to 5000 cps. 1 1/2" x 1 1/4". **\$6.76**

E9390—Fig. A. X-29A. Crystal Head. Requires 120 driving volts. Records to 6000 cps. 1 1/2" x 1 1/4". **\$6.76**

E9391—Fig. B. C-42. Crystal Head. Records to 5000 cps. Requires 75 driving volts. 1 1/2" x 1 1/4". **\$6.76**

E9392—Fig. C. M-41-8. Magnetic Head. Requires 3 driving volts at 8 ohms. Records to 7000 cps. 1 1/2" x 1 1/4". **\$6.76**

E9393—Fig. C. M-41-500. Magnetic Head. Requires 22 driving volts at 500 ohms. 1 1/2" x 1 1/4". List Price, any of above, each, \$11.50. **\$6.76**

YOUR PRICE, Each ..... **\$6.76**

E9460—T-16. Matching Transformer. Matches amplifier output impedance of 15/500 ohms to high impedance crystal cutting head. Secondary impedance of 60,000 ohms. List Price, \$7.00. **\$4.12**

YOUR PRICE ..... **\$4.12**

## "Ro-Tray" Cigarette Ash Tray

E31300—Assorted Colors. Each ..... **73c**

The modern way to serve cigarettes. Consists of black glass ash tray mounted on aluminum container. Holds 20 cigarettes. Individual cigarette "pops-up" through hole in the ash tray as top is rotated. Leatherette band Brown, Blue, Red, Green or Ivory. Size 4" dia., 3/4" high.

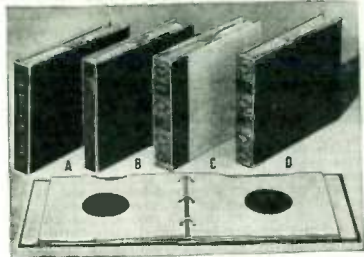
YOUR PRICE ..... **\$7.35**



# PHONOGRAPH ACCESSORIES

## Record Albums

For 10" and 12" Records



Attractive albums for conveniently storing records. Opens flat. Loose-leaf design permits quick accessibility to records and enables them to remain in pocket until ready to be played when removed from the album. Pockets have reinforced metal eyelets. Each album has a capacity of 12 records. Alligator Style A. Rich wine colored cover with alligator grain matching marooned colored cloth end. A most attractive low priced album.

Stock Number	Record Size	YOUR PRICE EACH
D14900	10"	58c
D14901	12"	70c

Style B. Completely covered in leatherette cloth. Extremely durable.

D14902—Blue	10"	66c	59c
D14903—Russet	10"		
D14904—Maroon	10"		
D14905—Blue	12"	83c	75c
D14906—Russet	12"		
D14907—Maroon	12"		

Style C. Cork-grain cover with ends of brown swirl cloth bearing gold stamped design. A credit to any record library.

D14908	10"	83c	75c
D14909	12"	98c	89c

Style D. A deluxe aristocratic album. Full cloth bound in brown swirl design with padded covers and fine gold stamped, rounded metal reinforced binder.

D14910	10"	\$1.09	98c
D14911	12"	1.25	1.12

## Record Album Cabinet

Combination End Table and Record Cabinet



E14920—Record Cabinet.  
YOUR PRICE ..... \$4.98

A fine, sturdily constructed cabinet that provides a quickly accessible storage space for records. Lower section designed to hold up to five 10" or 12" record albums of the type listed above or others not measuring over 2x14x13" high. Sectional dividers hold albums up-right. 3 1/2" space between top and shelves may be used for an additional album or magazines, books, etc. Fashioned of choice grained veneers and hardwood in a rich walnut finish.

## Bakelite Needle Cup

Brown mottled bakelite needle cup with removable cover. Can be used with or without cover. Mounts in 1 1/4" hole.

D9309—YOUR PRICE..... 10c



## Metal Needle Cup

May be bolted onto motorboard or mounted in 1 1/4" hole. Spring hinged cover. Overall size 1 1/2" dia. x 1 1/2" high. Holds approximately 100 needles.

D9303—YOUR PRICE..... 15c



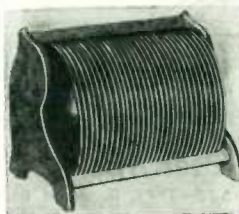
## Phono Pickup Scratch Filter

D9340—YOUR PRICE..... 79c

For use with crystal pickups. Tuned to point of greatest scratch intensity. Sealed against atmospheric changes.



## Record Holding Racks



Holds Thirty 10" Records

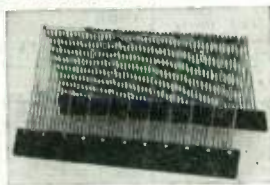
D14914  
YOUR PRICE  
90c

A practical inexpensive record holder having provisions for storing up to 30 10" records. Each Walnut finished and pieces. Size 13x10x11 1/2". Shipped knocked-down, easy to assemble.

Holds Fifty 10" or 12" Records  
D14912—Somewhat similar to above in appearance but holds up to 50 10" or 12" records.  
YOUR PRICE ..... \$1.10

## Wire Record Rack

Holds Up to Fifty 10" or 12" Records



D14913  
YOUR PRICE  
\$1.05

A new handy wire rack at a sensible price. Securely and conveniently holds up to fifty 10" or 12" records. Heavy steel wires are covered with cotton fabric. Wood bases are covered with a fine quality brown Spanish Du-Pont fabricoid.

## Record Carrying Cases



Just the thing to carry popular recordings with portable sound equipment. Also serves as an ideal storage case for surplus records. Exceptionally sturdy. Fabricoid covered wood construction. Cloth lined for protection to records. Hinged cover with strong snap lock fasteners.

E14915—Holds 25—10" Records.	\$1.40
YOUR PRICE.....	
E14916—Holds 50—10" Records.	\$2.35
YOUR PRICE.....	
E14917—Holds 50—12" Records.	\$2.60
YOUR PRICE.....	

## Phonograph Adapters

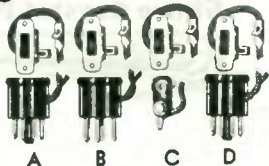
Adapts any radio set for phonograph operation. Changes in circuit wiring. For use with high impedance magnetic or crystal pickups. Includes 18" shielded leads and phono-radio switch that can be mounted anywhere. Instructions included.

D14115—A. With octal adapter. For radios using a 6H6 2nd detector tube.

D14116—B. With 5 prong adapter. For radios using a 27, 37, 56, 76 etc. (tubes without grid cap) as detector or first audio.

D14117—C. With grid cap adapter. Fits both large and small grid caps. For sets having detector or first audio tubes with grid caps.

D14118—D. With octal adapter. For sets having 6CS, 6J5, etc. metal tubes without grid caps as first audio amplifier.  
YOUR PRICE, Each ..... 88c



## Grid Cap Adapters

Inserts between grid-cap and tube for connecting phono pick-ups.  
E12329—For Large Caps.  
E12374—For Small Caps.  
YOUR PRICE, Each ..... 39c



## Needles for Playback



For Record Changer or Manual Play

Plain Metal Tips

TYPE A Give full brilliant reproduction of all types of commercial records. Will play the largest record without variation of tone. Not for use in record changers or on acetate discs. 100 needles to a package.

E14110—Extra Loud  
E14111—Loud  
E14112—Medium  
YOUR PRICE, per pkg. of 100 needles..... 8c

10 pkgs. for..... 65c  
E9322—Display carton of 50 pkgs.... \$2.50  
Pkgs. in carton asst'd: 30 Ex. Loud, 10 Loud, 10 Med.

E9301—TYPE B—Very quiet in operation with true reproduction of voice and music. Plays 10 to 15 records without change. Excellent for use with record changers.  
YOUR PRICE, pkg. of 30 needles..... 17c

10 pkgs. for..... \$1.55

E9302—Display carton of 50 pkgs.... \$6.25

E14114—Type B Recont Automatic. A precision made high fidelity needle especially recommended for use in automatic record changers. Plays 12 or more records with very low surface noise.  
YOUR PRICE, Pkg. of 30..... 23c

E14119—Type B Recont Superior. Similar to above but has slender shanks which reduces surface noise to an absolute minimum. Plays 13 or more records.  
YOUR PRICE, Pkg. of 10..... 9c

E9307—TYPE D Actone Red Shank Type. 100% shadowgraphed. Perfectly formed and tested featuring minimum record wear. Made of solid chrome steel. May be used equally well for manual or record changer play of either regular pressed records or acetate home recordings. Plays approx. 5 records without change.  
YOUR PRICE, Per pkg. of 30..... 18c

10 pkgs. for..... \$1.60

E9321—Display carton of 50 pkgs.... \$6.95

TYPE E Recont Hi-fidelity Transcription needles for professional and home use. Shadow-tested. Fine enough to play the best acetate and commercial records in any studio. Famous for uniformity and hi-fidelity.  
E14113—Pkg. of 10..... 10c

E14102—Pkg. of 75..... 49c



Semi Permanent Type

Precious Metal Tips

E14108—Type M Presto-Transcriptone Needle same as Type K but has excellent high fidelity response. Recommended for playback of acetate coated discs.  
YOUR PRICE, Each..... \$1.00

E14105—Type J Eldene Classic. High grade inexpensive needle tipped with a precious metal that minimizes wear and reduces surface noise. Gives 2,000 perfect playings.  
YOUR PRICE, Each ..... 35c

E14145—Type K Rigid type needle with tip coated with osmium-iridium composition. Plays over 2,000 pressed records with excellent tone. Recommended for coin machines or home record players.  
YOUR PRICE, Each ..... 35c

12 on display card for.. \$3.60

E14146—Type L Flexible Type similar to Type K but with round tip having wider freq. response and lower surface noise. Plays over 2,000 pressed records with excellent tone. Recommended for home record players.  
YOUR PRICE, Each..... 49c

12 on display card for.. \$5.40

Genuine Sapphire Tips

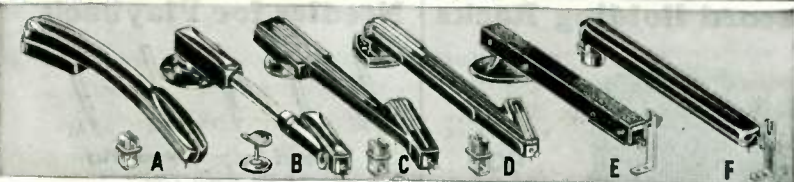
Waldo Sapphire Playback Needles. Tip is shaped to fit record groove. Will play approximately 2,000 commercial records and 5,000 acetate recording discs without injury.

E14103—Type H—Bent Shank type for pickups having 2 1/2 oz. or more needle pressure.

D14104—Type G—Straight Shank type for new light weight, crystal pickups.  
YOUR PRICE, Either Type, Each..... 88c



# Crystal and Magnetic Phone Pickups



## Astatic Crystal Phonograph Pickups

**D9466—TYPE A.** Model FP18. Modern low pressure pickup with permanently attached sapphire stylus. Eliminates needle changing. Stylus protected against damage. Low stylus pressure of 1 oz. and reduced torque of wire coupling vibrating system greatly prolongs record life. Freq. range 30 to 7000 c.p.s. High impedance output at 0.85 volts. Plays up to 12" records. True tracking arm in statutory brown finish. **YOUR PRICE ..... \$970**

**D9467—TYPE A.** Model FP38. As above except has freq. range of 30 to 10,000 c.p.s. with 0.65 volts output. **YOUR PRICE ..... \$970**

**D9364—TYPE B.** Model B-10. Provides full bass note and high fidelity reproduction. True tracking head design. Ball bearing swivel base. Finished in black and chrome. High impedance output at 2.5 volts. Needle pressure 2½ ozs. Plays up to 12" records. **YOUR PRICE ..... \$1029**

**D9365—TYPE B.** Model B-16. As above but plays up to 16" records. **YOUR PRICE ..... \$1323**

**D9369—TYPE C.** Model AB8. High performance crystal housed in die cast true tracking arm. Statutory brown finish. Plays up to 12" records. **YOUR PRICE ..... \$588**

**E9343—Model AB8M.** Same as type C, except head is hinged and more delicately counter-balanced to meet requirements of mobile units. Pickup will track on recording without jumping the groove even when in a vertical position. **YOUR PRICE ..... \$735**

**D9347—TYPE D.** Model D-07. Has short mounting centers of 7". High performance crystal cartridge has 2.9 volts output. True tracking arm finished in black and chrome. Plays up to 12" records. **YOUR PRICE ..... \$382**

**D9348—TYPE D.** Model D9. Compact low cost high performance pickup. Finished in statutory brown with single hole mounting bracket. Output 1.4 volts. Mtg. ctrs. 7". Plays up to 12" records. **YOUR PRICE ..... \$291**

**D9362—TYPE D.** Model S-8. Popular pick-up with improved features. Axial cushioning reduces motor noise pick-up. High quality performance crystal with 2.5 volts output. Black wrinkle finished arm. Plays up to 12" records. **YOUR PRICE ..... \$588**

**D9363—TYPE D.** Model S-12. As above but plays up to 16" records. **YOUR PRICE ..... \$735**

**D9470—TYPE F.** Model SL-8. Straight die cast arm pick-up in statutory brown finish. Recommended for playback of lightly cut home recordings up to 12". Mtg. ctrs. or 8". Needle pressure 2½ ozs. Output 1.4 volts. **YOUR PRICE ..... \$291**

## Brush Crystal Pickups

Low Pressure  
Type With  
Permanent  
Sapphire  
Stylus



E9345  
Model PL-20  
YOUR PRICE  
**\$2646**

New high fidelity crystal pickup with permanent sapphire needle. Needle pressure of 1 oz. Produces no measurable wear on records and reduces surface noise to a minimum. Designed for use with turntables and records up to 16" dia. Frequency response of  $\pm 2.5$  Db. up to 6000 cps. Output 2 volts. Taupe colored bakelite arm, metal parts finished in bronze. Complete with high impedance frequency equalizer and arm-rest.

**E9429—Model PL-25.** Uses same cartridge as PL-20 but has 10½" arm of less expensive design. Plays up to 12" dia. records. Less equalizer. **YOUR PRICE ..... \$1940**

## Special Value Pickups



**B9339—Crystal Pickup**  
**B9367—Magnetic Pickup**  
**YOUR PRICE, Either Type ..... \$255**

Reproduces recorded music with exceptional clarity, depth and fullness of tone. Both pickups have high impedance outputs for direct tube grid connection. Play records up to 12". Shlp. wt., 3 lbs. **B9339**—Uses Brush Licensed Crystal mounted in special offset arm to reduce tracking error and record wear. Accurately balanced arm with full floating, rubber cushioned pivot bearing. Wide range frequency response. **B9367**—Has alnico steel magnet assuring full performance and long life.

## Webster Crystal Pickups



A high impedance output crystal pick-up that features wide appeal and possesses excellent electrical and mechanical characteristics. Interlocking bearing system prevents displacement or crystal fracture by accidental pressure or blows on needle screw. Rubber cushioned tru-tracking metal arm assembly with single hole mount.

Plays up to 12" records. Finished in brown wrinkle enamel. Output 1.8 volts.

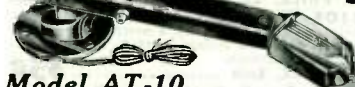
**D9471—Model GX80A3D.** Needle pressure 2½ oz. Freq. response 50 to 7000 c.p.s. **YOUR PRICE ..... \$291**

**D9472—Model X82A3D.** Needle pressure of 2 oz. Freq. response 40 to 8500 c.p.s. **YOUR PRICE ..... \$323**

### With Sapphire Needle

**D9473—Model X82AND.** Has high needle point compliance cartridge with replaceable sapphire needle, good for many thousand playings. Output .7 volts. Needle pressure 1 oz. Response 30 to 7000 c.p.s. **YOUR PRICE ..... \$397**

## Audak Magnetic Pickups



### Model AT-10

**Q9372—A** scientifically designed, streamlined magnetic type phonograph pickup featuring exceptionally light needle pressure, wide range frequency response, off set head and ball bearings. High impedance output. Will play up to 12" records. Attractive black and silver finish. **YOUR PRICE ..... \$6.76**

**D9373—Model AT-12.** Same as above but with a wider range frequency response. **YOUR PRICE ..... \$853**

**E9322—Microdyne Model D27E** magnetic pickup is designed to get the most out of modern phonograph records by boosting the bass response and leveling out the highs. Frequency response is flat within  $\pm 3$ Db to 6000 C.P.S. Needle pressure of 1½ oz. Appearance and other features as above. **YOUR PRICE ..... \$1161**

**D9492—Model D28E.** As above but for playing records up to 16". **YOUR PRICE ..... \$1926**

**D9493—Microdyne Model D31E.** Similar to model 27E in appearance and construction but with superior performance characteristics and lower needle pressure. Flat within  $\pm 2\frac{1}{2}$  Db to 7000 c.p.s. **YOUR PRICE ..... \$1617**

## RCA Crystal Pickups



High fidelity crystal pickups. Flat frequency response from 70 to 7,000 c.p.s. High impedance output at 1.5 volts. Plays up to 12" records. True tracking tangent arm design.

**D9375—Type A.** RCA Pt. 9868. Brown bakelite arm. Needle pressure 2.7 oz. **YOUR PRICE ..... \$320**

**E9344—Type B.** Model 9911. Senior Crystal Pick-up with Automatic Switch. Self contained switch starts turntable when pickup is lowered on record. Motor stops automatically when record is finished. For 10 and 12" records. Needle pressure 3 oz. Top needle loading. Range 70-7000 cps. Output 1½ V. Brown wrinkle finish. Complete with needle box and pickup arm-rest. **YOUR PRICE ..... \$467**

**D9378—Type C.** RCA Pt. 9891. Fine quality low priced pick-up. Brown wrinkle finished arm. Needle pressure 2.7 oz. **YOUR PRICE ..... \$291**

## Shure Crystal Pickup



**E9320—Model 97AN.** Hi Lo Crystal Pickup 1-ounce needle pressure. 1.4V. output at 1000 cps. Range 60-7000 cps. Streamline plastic arm in mahogany finish. For records up to 12" dia. Complete with permanent sapphire needle and arm rest. **YOUR PRICE ..... \$3.82**

**E9321—Model 97A.** Same as Model 97AN but less needle. Furnish with set screw and thumb screw. **YOUR PRICE ..... \$3.23**

### Cartridges

Will directly replace other flat type cartridges. Improves performance. Size: 2½" L. 3/8" W. ¼" D. Genuine Bimorph Crystal. **YOUR PRICE ..... \$2.94**

**E13112—Model W42AN.** For Shure 97AN and other makes with 1-ounce pickup. 1.4V output at 1000 cps. Complete with permanent sapphire needle and set screw. **YOUR PRICE ..... \$2.94**

**E13113—Model W42A.** Same as Model W42AN but less needle. With set screw and thumb screw. **YOUR PRICE ..... \$2.35**

## Replacement Crystal Cartridges

For Astatic, Webster, Shure, RCA, and other crystal pickups having a needle pressure of 2 to 3 ozs. \*For 1 oz. pickups.

**Type A.** Bakelite case, size ¾x¾x¼". Mtg. hole centers 1½x¾".

**E13100.** Has necessary fittings to adapt cartridge for replacement in pickups using either lug, screw or pin terminals. Replaces Astatic R1, B2, B3; Shure W27C cartridges. Webster X81C, Shure 914, Astatic AB8, S12, S8, B10, E16 phono pickups. **YOUR PRICE ..... \$2.94**

**E13101—Type B.** Replaces Astatic L28, Shure W40A, Webster X82CM cartridges. Astatic D9 and SL8 pickups. **YOUR PRICE ..... \$2.35**

**E13109—B.** Replaces Astatic L40, Shure W42A, Webster X82CH cartridge. For Astatic FL48 pickup. **YOUR PRICE ..... \$2.35**

**E13116—B.** Replaces Astatic L22 cartridge. **YOUR PRICE ..... \$2.94**

**E13117—B.** Replaces Astatic L24 cartridge. **YOUR PRICE ..... \$2.35**

**E13115—C.** Has "needle tilt." For Shure 94, 99, 910. **YOUR PRICE ..... \$2.35**

**E13103—D.** Replaces Webster X79C, X80C. **YOUR PRICE ..... \$2.12**

**E13110—E.** Replaces Astatic M22 cartridge. For 07 pickup. **YOUR PRICE ..... \$2.94**

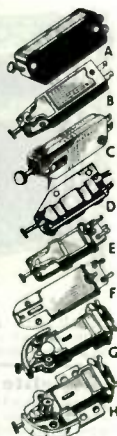
**E13111—F.** With built-in sapphire stylus. Replaces Astatic LP6, LP21 cartridges. For Astatic FP18, HP16, FP3 pickups. **YOUR PRICE ..... \$4.70**

**E13118—F.** With built-in sapphire stylus. Replaces Astatic LP23 cartridge. For Astatic FP38 and HP36 pickups. Response 30-10,000 cps. **YOUR PRICE ..... \$4.70**

**D13120—G.** RCA Pt. 31050 for #9842 pick-up. **YOUR PRICE ..... \$2.25**

**D13122—H.** RCA Pt. 33127 for #9891 pick-up. **YOUR PRICE ..... \$2.25**

**D13123—H.** RCA Pt. 35171 for #9869 and #9911 pick-up. Top needle loading. **YOUR PRICE ..... \$2.55**





# AUTOMATIC PHONOGRAPH RECORD CHANGERS



## A—RCA DeLux Changer

**Compact—Efficient—Dependable**  
Plays 12-10" or 10-12" Records  
At 78 RPM

A15386—RCA Model 9932 Automatic Record Changer. **\$19.37**

**YOUR PRICE** .....  
Plays ten 12" or twelve 10" records automatically at 78 RPM. Exceptionally efficient—practically fool-proof in operation. Rejects any undesired record at will and may be used for manual play. Plays nearly an hour with single loading of 12 inch records. Record supporting levers do not interfere with removal of records. Includes new type crystal pickup with permanent sapphire stylus. Has 2 oz. low pressure pickup. Wide range type, matches input of any public address amplifier or can be used in conjunction with practically any radio set. New safety clutch avoids possible damage to records or mechanism due to warped or faulty records. Compact, easily slipped into operated phonographs. Mounting plate size, 14 1/2 x 13 1/2". Mechanism extends 4" above and 3 1/4" below mounting plate. Operates on 110-120 volts, 60 cycle AC. Shipping weight 15 lbs.

### Portable Case

E15813—Tailor made for above record changer. Airplane luggage type. Attractive striped covering. Motor board exactly cut so changer can be quickly fitted. Large record compartment. Hinged top. Strong carrying handle. **\$8.75**

**YOUR PRICE** .....



## B—General Industries Changer

**Plays 12-10" or 10-12" Records**  
At 78 RPM

D15364 G.I.—C1251 Automatic Record Changer. Complete with true-tangent crystal pickup, and on-off switch. List Price, \$39.60. **\$23.76**

**YOUR PRICE** .....  
Requires no more space for installation than most manually operated units. Plays twelve 10" or ten 12" records at 78 RPM. Plays for nearly an hour without attention on a single loading of 12" records. One lever to set for record size or manual operation. Changing mechanism is operated by: either "run in" or "oscillating" grooves at end of record. Pickup needle is guided into playing position whether or not record has lead in groove. Mechanism is positive—quiet in operation and will not jam or damage records in any way. Counter balanced pickup arm provides needle pressure of only 1 1/4 oz. Minimizes "needle scratch." Sturdy base-plate assures complete rigidity. Size: Base plate 14x14". Mechanism extends 5 1/4" above and 3 1/4" below. Operates on 110 volt 60 cycle AC.

### Portable Case

E15814—Tailor made for above record changer. Airplane luggage type. Attractive striped covering. Motor board exactly cut so changer can be quickly fitted. Large record compartment. Hinged top. Strong carrying handle. **\$8.75**

**YOUR PRICE** .....



## C—Webster Standard Changer

**Compact—Quiet—Jam Proof**  
Plays 12-10" or 10-12" Records  
At 78 RPM

E15389—Webster W5571 record changer with crystal pickup. For use with removable steel, metalloy or long life sapphire needles. **\$29.25**

**YOUR PRICE** .....  
Compact construction permits installation in same space usually required by manual units. Automatically plays ten 12" or twelve 10" records at 78 RPM. Provides nearly an hour of entertainment without attention on a single loading of 12" records. Push buttons for 10" to 12" changeover, record rejection and manual playing. Positive trip action insures changer operation as soon as needle reaches end of record regardless of whether record has "run in" or "oscillating" grooves. Pickup needle is guided into playing position whether or not record has lead in groove. Counter balanced pickup arm has needle pressure of only 1 oz., reducing record wear and "needle scratch" to a minimum. Entire unit rubber mounted for noise-free operation. Grey, wrinkle finish. Size: plate 14x14". Projects 5 1/2" top and bottom. For 110 V. 60 cyc. AC.

E15354—Webster W5571S record changer with crystal pickup equipped with permanent sapphire needle. **\$32.19**

**YOUR PRICE** .....

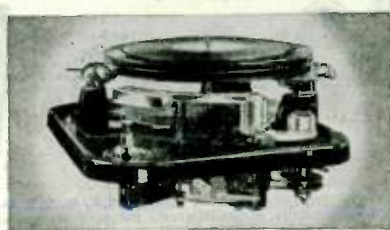
### Portable Case

E15810—Tailor made for above record changer. Airplane luggage type. Attractive striped covering. Motor board exactly cut so changer can be quickly fitted. Large record compartment. Hinged top. Strong carrying handle. Shipping wt. 14 lbs. **\$8.75**

**YOUR PRICE** .....

## Webster DeLux Changer

**Plays up to 17 mixed 10" and 12" records**  
At 78 RPM



### Our Finest Record Changer

E15388—Webster W5501 record changer with crystal pickup. For use with removable steel, metalloy or long life sapphire needles. **\$57.33**

**YOUR PRICE** .....  
One of the finest and most versatile record changers available. Incorporates every feature for convenient and dependable operation while providing the ultimate in fine reproduction. Automatically plays up to 17 mixed ten and twelve inch records—at 78 RPM, providing over an hour of continuous entertainment without attention on a single loading of 12" records. Pickup balanced 1 oz. needle pressure, minimizing record wear and practically eliminating "needle scratch." Positive trip action insures changer operation as soon as needle reaches end of record, regardless of whether record has "run in" or "oscillating" grooves. Pickup needle is guided into playing position whether or not record has lead in groove. Mechanism stops automatically after last record has been played. Heavy die-cast mounting plate. Hammered bronze enamel finish. Size, Mounting plate 13 1/2 x 17 1/4". Mechanism extends 5 1/4" above and 4 3/4" below plate. Ship. wt. 30 lbs. For 110 V. 60 cyc. AC.

E15387—Webster W5501S record changer with crystal pickup equipped with permanent sapphire needle. **\$60.27**

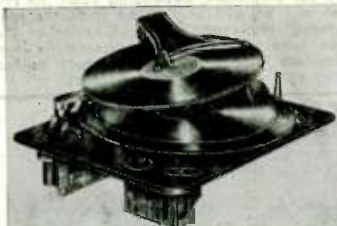
**YOUR PRICE** .....

### Portable Case

E15807—Tailor made for above record changer. Airplane luggage type. Attractive striped covering. Motor board exactly cut so changer can be quickly fitted. Large record compartment. Hinged top. Strong carrying handle. Shipping wt. 14 lbs. **\$8.75**

**YOUR PRICE** .....

## Garrard DeLux RC-30 Record Changer



E15812—Portable case for RC-30 Changer. Maroon striped airplane luggage cloth. Size 15 1/2" x 12 1/2" x 13 1/2". Shipping wt. 12 lbs. **\$8.50**

**YOUR PRICE** .....

E15352—Model RC-30 Record Changer. For 110V 60 cycle A.C. Ready to operate. List, \$82.50. **\$48.51**

**YOUR PRICE** .....  
The new Garrard unit offers you the ultimate in record changing and record playing equipment. Features: Low pressure high fidelity crystal pickup with permanent jeweled stylus; Automatic mixing; Automatic stop on last record; True tangent, ball bearing, jeweled mount and pivot. The low pressure once high fidelity pickup assures you of superb tonal quality and longer record life. Plays 10 and 12" records in any combination you wish. No adjustments are necessary. Record changing is performed swiftly, silently, and gently regardless of record warpage and thickness variations. The exclusive non-slip spindle makes record skidding and slipping impossible. The Garrard motor gives powerful but regular, governed running at 78 r.p.m. without vibration, "wows" or speed variation. Fitted with phosphor bronze bushings and bearings. Dimensions with full record supply are 15" long x 11 1/2" deep x 5 1/2" clearance above and 4 1/2" below mounting plate. Shipping wt. 20 lbs.

## GENERAL INDUSTRIES PHONOGRAPH MOTORS



### Self-Starting—Constant Speed

Low Cost—Light Weight—Compact. Have ample power to play 10" and 12" records. Fan cooled motors, designed to comply with Underwriters Lab. requirements. Can be installed in small cases without overheating. Quiet in operation. For 110 Volt 60 cycle AC operation.

### Rim Driven Types

Self-starting 78 RPM friction rim drive. Motor is rubber insulated from both mounting plate and turntable to insure quiet operation. Oil-less bronze bearings.

D15367—A—Model LX with 9" turntable and 2 pole motor. Depth from mounting plate to bottom, 2". List Price, \$5.70. **\$3.42**

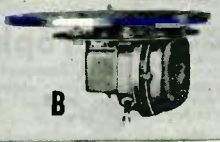
**YOUR PRICE** .....  
D15368—A—Model RX with 10" turntable and 4 pole motor. More powerful and smoother running than Model LX. Depth from mounting plate to bottom, 2 1/2". List Price, \$7.90. **\$4.74**

**YOUR PRICE** .....

### Gear Driven Types

D15370—B—Model CX. 78 RPM. Extra dependable performance at exceptionally low cost. 12" turntable. Very quiet in operation. Powerful synchronous motor rubber insulated from turntable, minimizing motor rumble. Positive direct drive through silent, helical cut gears sealed in oil. Mounting hardware furnished. Depth from mounting plate to bottom, 3 1/4". List, \$11.55. **\$6.93**

**YOUR PRICE** .....



### Governor Controlled Motors

D15369—C—Model A. 78 RPM. Centrifugal governor speed control provides 2 positive means of accurate maintenance of uniform speed even with fluctuating line voltages. Silent operating induction motor, rubber suspended from mounting plate, directly drives 12" turntable through helical gears. Motor dimension 6 1/2 x 3 1/4" suspends 3" below baseboard. Mounting hole centers 3 1/4 x 3/4". Mounting hardware included. For 110 V. 60 cyc. AC operation. List Price, \$16.80. **\$10.08**

**YOUR PRICE** .....

### Dual Speed Types

D15365—C—Model D. Dual Speed 33 1/3-78 RPM. 12" turntable. Overall dimension of motor 8 1/2 x 5 1/2". Suspends 3 1/4" below baseboard. Mounting hole centers 3 1/4 x 3/4". Otherwise same specifications as Model A above. List Price, \$22.35. **\$13.41**

**YOUR PRICE** .....

E15358—C—Model H. Heavy Duty Dual Speed with special weighted 12" turntable which is very essential to best reproduction of 33 1/3 RPM records. May be used equally well with records from 8" to 16" dia. Automatic stop switch included. Model H motor has a field and rotor 1/4" longer but otherwise has same specifications as Model D above. List Price, \$30.30. **\$18.18**

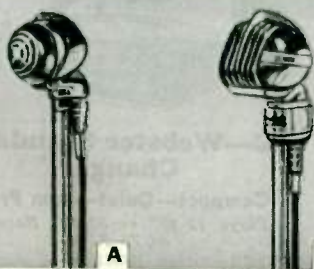
**YOUR PRICE** .....

All Motors are for 110 Volt  
60 Cycle AC Operation



# P. A. Accessories

As Included With  
Sound Systems



## Your Choice of Microphones

The microphones shown here have been carefully selected to give you superb performance when used with any of our Public Address Systems. But each different type has some particular advantages that you should know about. The explanation below covers these various advantages carefully, to help you pick the microphone you need.



To suit the needs of your individual installation Radolek offers you a choice of microphones for use with the Sound Amplifying Systems shown on the following pages. Any of these microphones are satisfactory for use under most conditions. However each microphone has specific characteristics which particularly adapt it to certain operating conditions. The selection we offer will cover the requirements of

**TYPE A Bullet Crystal Microphone** is an excellent all around indoor or outdoor microphone that may be used very satisfactorily for the reproduction of either speaking and singing voice or instrumental music. Rich Satin Chrome Finish. Size 2 1/4" dia. x 3 3/4" long. One Type A microphone will be supplied with any system at no extra charge, and will always be supplied with systems except where some other choice is indicated.

**TYPE B Bullet Dynamic Microphone** has approximately the same response characteristics as **TYPE A** but is considerably more rugged and is recommended for use where microphone must withstand rough handling and extremes of heat and humidity. Rich Satin Chrome Finish. Size 2 3/4" dia. x 4 1/2" long. One Type B microphone will be supplied with any system instead of Type A at an extra charge of \$6.50.

**TYPE C Velocity Microphone** is best for reproduction of instrumental music. May also be used for voice reproduction if the microphone is kept approximately 12" away from the mouth. Semi-directional characteristic assists in reducing feedback. This microphone is not recommended for outdoor use where wind is likely to affect its performance.

Head tilts through 180° angle and has built-in On-Off switch. Baked Grey Wrinkle Enamel Finish. Size 2 1/4" Wide x 2" deep x 6 1/2" high. One Type C microphone will be supplied with any system instead of Type A at an extra charge of \$6.50.

**TYPE D Electrovoice Cardak Microphone** is recommended for reproduction of speaking or singing voice and instrumental music in either indoor or outdoor installations. Gives finest reproduction over entire frequency range. Special design eliminates sound pickup from rear of microphone yet allows wide angle pickup at front. This feature allows placement of microphone in practically any position with respect to loudspeakers without danger of feedback. Also may be adjusted to pickup sound over a 360° circle. Frequency response is substantially flat from 30 to 10,000 CPS. Output level—52Db. Rugged shockproof construction particularly recommend this unit for use in installations where microphone is subject to rough handling or extremes of heat and humidity. Head tilts through 90° angle. Has built in on-off switch. Rich satin chrome finish. One type D microphone will be supplied with any system instead of type A at an extra charge of \$22.50.

practically any operating conditions that may be encountered. All microphones have built-in cable connector and are supplied complete with 25 ft. of heavy duty rubber covered shielded microphone cable having an Amphenol locking type plug at each end for screw on connection to amplifier and microphone. Amplifiers are equipped with correct socket, so that any microphone may be used with any amplifier.

## Extra Microphones

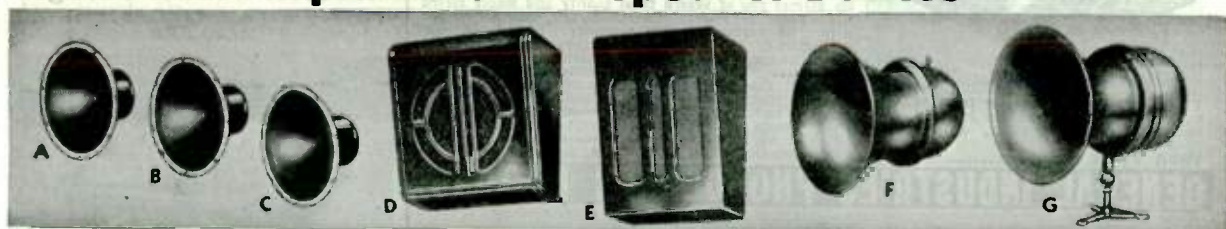
Only one microphone is supplied with each sound system at the prices quoted for complete systems. When more than one microphone is required for your installation, additional microphones may be purchased for the prices specified below at the same time as the complete sound system is obtained. Microphones are supplied complete with floor stand, 25 ft. of cable and 2 connection plugs.

Stock Num.	Type	YOUR PRICE
D15073	A	\$ 13.53
D15074	B	19.33
D15075	C	22.05
E15084	D	38.22

## Tubes

During the "Emergency" we will have to supply either "Metal," "G" or "GT" type tubes with our amplifiers, depending upon the types that will be available to us from the manufacturer. However, any combination of these three tube types will work successfully in our amplifiers with equally satisfactory performance, and without loss of efficiency.

## Speakers and Speaker Baffles



The Dynamic Speakers supplied with Radolek Sound Systems are of the latest design Permanent Magnet type which eliminate the need of supplying magnetizing power to the speaker either from the amplifier or an external power supply. Dust covers protect voice coils from foreign substances and prolong the life of the speaker. Each speaker is equipped with universal line matching transformer so that long speaker lines may be run without power loss. Each speaker is also equipped with a parallel wired outlet socket into which an additional speaker or speaker combination may be plugged making it unnecessary to run each speaker cable back to amplifier. Only two wires are used for connection to amplifier. This feature saves many feet of cable.

**TYPE A 12" Permanent Magnet Dynamic Speaker** with 20 oz. Magnet supplied as standard equipment on 15 Watt Sound Amplifying Systems. Two of these speakers when properly baffled will handle the entire output of the 15 watt amplifier without distortion.

**TYPE B 12" Permanent Magnet Dynamic Speaker** with 31 oz. Magnet, supplied as standard equipment on 30 and 50 Watt Sound Amplifying Systems. Two when properly baffled will handle the output of the 30 watt amplifier, four the output of the 50 watt amplifier.

**TYPE C 12" Permanent Magnet Dynamic Speaker** with 46 oz. Magnet supplied as standard equipment on 50 Watt Sound Amplifying Systems. Three when properly baffled will handle the entire output of the 50 watt amplifier.

**Type D DeLuxe Wall Baffle.** Recommended for installations which require a better appearing baffle. The type D DeLuxe Baffle is of heavier construction than type E and will therefore give somewhat better reproduction. The type D Baffle can be supplied unfinished, allowing the user to paint it color best suited to his particular installation. Unless specified otherwise baffles will be supplied in walnut finish. Size 14 1/2" x 14 1/2" x 6" deep.

**TYPE E Wall Baffle.** A flat type baffle that will spread sound over the widest possible area but will not project the sound as far as the projector or trumpet type baffles. Constructed of 1/2" plywood with dark blue leatherette covering. Size 16 1/2" x 13 1/2" x 5 1/2" deep. Has separate speaker mounting board cut for 12" speaker.

**TYPE F Projector Baffle** has moderate directional qualities which allow wide coverage and sound projection over a somewhat greater distance than flat baffle. Especially desirable for use in overcoming "dead spots" and eliminating "feedback." Spun metal construction. Will withstand reasonably rough usage. Bell Size 18" dia. 10" deep. Speaker housing 12 1/2" dia. 10" deep. Has two rings for ceiling suspension.

**TYPE G DeLuxe Projector Baffle.** Has essentially same characteristics as Type F but of steel construction, will withstand much rougher usage and will offer much better protection to speaker against weather when used outdoors. Mounting bracket fits standard 1/2" pipe. Two rings for ceiling suspension. Size 20 1/2" long, 17 1/2" bell dia. Supplied with systems using Type F at an extra charge of \$1.05 for each baffle. See page 66 for price of adjustable crowfoot stand.

## Additional Speakers

In many installations extra speakers are required. For your convenience speakers are available separately complete with 25 ft. of connecting cable, speaker outlet socket, and amplifier connection plug. Any speaker may be used on any amplifier.

Stock Num.	Type	PRICE EACH
D15070	A	\$ 9.75
D15071	B	11.15
D15072	C	14.15

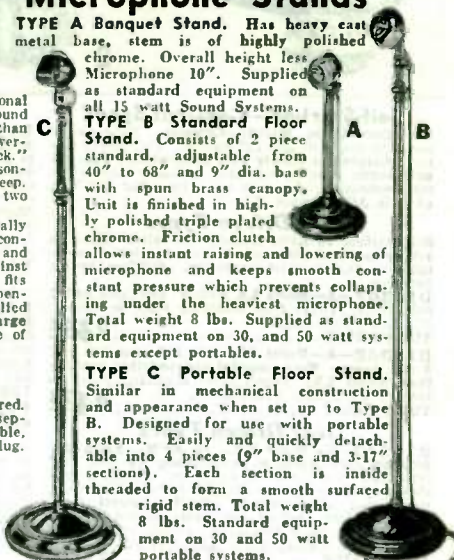
Additional speaker cable for any speaker 2c per foot. Specify length desired.

## Microphone Stands

**TYPE A Banquet Stand.** Has heavy cast metal base, stem is of highly polished chrome. Overall height less Microphone 10". Supplied as standard equipment on all 15 watt Sound Systems.

**TYPE B Standard Floor Stand.** Consists of 2 piece standard, adjustable from 40" to 68" and 9" dia. base with spun brass canopy. Unit is finished in highly polished triple plated chrome. Friction clutch allows instant raising and lowering of microphone and keeps smooth constant pressure which prevents collapsing under the heaviest microphone. Total weight 8 lbs. Supplied as standard equipment on 30, and 50 watt systems except portables.

**TYPE C Portable Floor Stand.** Similar in mechanical construction and appearance when set up to Type B. Designed for use with portable systems. Easily and quickly detachable into 4 pieces (9" base and 3-17" sections). Each section is inside threaded to form a smooth surfaced rigid stem. Total weight 8 lbs. Standard equipment on 30 and 50 watt portable systems.





# Here's A Complete 8 Watt

## PORTABLE SYSTEM

D15135—Complete.  
Ready to Operate.

YOUR PRICE

**\$34<sup>50</sup>**

### Amplifier Features

- 1—3 Stages—5 Tubes.
- 2—High Gain for Crystal microphone or phonograph.
- 3—Microphone and Phonograph Volume Control.
- 4—Continuously Variable Tone Control.
- 5—Simple Plug-in Connections.
- 6—Push Pull Output Tubes.

### Prices 8 Watt Amplifier

E15029—8 Watt 3 Stage High Gain Amplifier for crystal microphone or phonograph. Factory Wired less tubes. For 105-120 Volts 50-60 cycle A.C. operation.

YOUR PRICE ..... **\$15<sup>50</sup>**

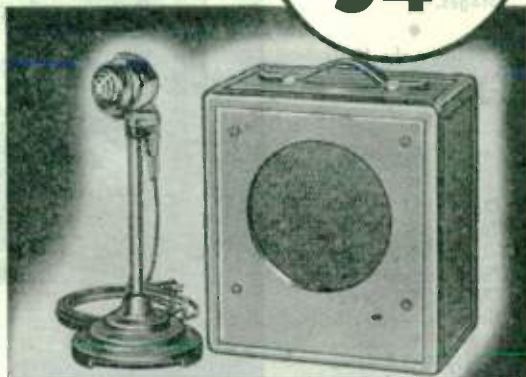
D15030 — Amplifier, with 5 Sylvania tubes.

YOUR PRICE ..... **\$18<sup>32</sup>**

### Ready to Operate

Covers An Indoor Group of Up to 500 People or An Outdoor Area of Up to 3000 Square Feet

Ideal for use in the smaller installations such as Store Advertising, Electric Guitars, Class Rooms, Club rooms, Bally-hoo, Window Display Demonstrations, etc. Can also be used with a record player to provide recorded musical entertainment. Has separate input connections for microphones and phonograph. Special switching arrangement allows use of either at one time. Installation is easy, takes but a few minutes. Anyone can do it. Nothing to hook-up, all connections are polarized plug-ins, just plug into A.C. socket. Extremely simple operation. System includes 8 Watt Amplifier, Set of 5 Sylvania Tubes consisting of 1—6SJ7, 1—6SC7, 2—6V6G's and 1—80. High Quality Crystal Microphone with 25 ft. of shielded cable. Mike desk stand, 8" PM Dynamic Speaker with 25-ft. cable and plug, all housed in an attractive blue fabricoid covered portable carrying case. Size 11" x 12" x 7 1/4". For 105-120 volt, 50-60 cycle A.C. operation.



D15135—8 Watt P. A. System as described, complete with High Grade Crystal Microphone and Stand, 25 ft. of Shielded Microphone Cable and Plug, 5 Sylvania Tubes, Speaker and carrying case, ready to operate.

YOUR PRICE, ONLY ..... **\$34<sup>50</sup>**

## Electric Musical Instrument Amplifiers

### For Use with Wind or String Instruments

Everything you need to adapt any musical instrument for electrical sound amplification is included in the two systems listed. Simply take any guitar, violin, mandolin, ukelele, banjo, accordion, saxophone, clarinet, etc. Tape or clamp on the special pickup and you are all set to swing into this new musical technique. Installation does not harm or alter the instrument in any way. May be used to create special effects in conjunction with orchestras or for solo work to build up volume coverage. Sufficient connecting cable is supplied so that speaker need not be located at musician's feet but can be placed anywhere within a radius of 35 feet. Two systems are available: The 8 watt system fully described above is suitable for use in small orchestras or for solo work to audiences of up to 1000 people. The 15 watt system (fully described on page 74-75) may be used for small or large audiences and has sufficient available volume to handle any normal requirements. Any high impedance microphone can also be used in addition to the instrument pick-up on the 15 Watt System.

### Price 8 Watt System

Includes Amperite Kontak musical instrument pickup with 15 feet of connecting cable and plug, Pickup Volume Control, Amplifier, Complete set of Sylvania tubes, and 8" PM speaker with 25-ft. cable, all housed in a compact attractive blue fabricoid covered carrying case, size 11" x 7 1/4" x 12". For 105-120 volt, 50-60 cycle A.C. operation.

D15043—As above with hand operated Volume Control.  
YOUR PRICE ..... **\$37<sup>75</sup>**

D15044—As above with foot operated Volume Control.  
YOUR PRICE ..... **\$40<sup>75</sup>**

### Price 15 Watt System

Includes Amperite Kontak musical instrument pickup with 15 ft. of connecting cable and plug, Pickup Volume Control, Amplifier, Complete set of Sylvania tubes and 12" PM speaker with 25-ft. cable, all housed in a compact, attractive blue, fabricoid covered carrying case, size 18 x 13 1/2 x 7. For 105-120 volt, 50-60 cycle A.C. operation.

D15045—As above with hand operated volume control.  
YOUR PRICE ..... **\$56<sup>70</sup>**

D15046—As above with foot operated volume control.  
YOUR PRICE ..... **\$59<sup>65</sup>**



### Completely Portable

The entire outfit comes complete in a compact, light weight, carrying case. Easily carried anywhere. Professional in appearance. Cases are sturdily constructed and attractively finished in rich leatherette with convenient leather handle on top. Amplifier may be removed or left in case as desired. System is convenient to handle and is easily carried.

### Easy to Install

The tiny inconspicuous pickup unit fits under the strings of the instrument or on bell of wind instruments. May be quickly and easily attached or detached. Does not mar instrument. A small piece of adhesive tape or special clamp (see below) holds pick-up securely in place. No wiring to be done. No technical skill required for installation.

## Electric Musical Instrument Accessories



### Amperite Kontak Mikes

A magnetic induction type pickup very rugged in construction. Faithfully reproduces the vibration of any instrument.

D10053—Model SKH less volume control. Use with foot operated volume control.

YOUR PRICE ..... **\$7<sup>06</sup>**



D10085—Model KKH with built-in control allowing regulation of volume by hand on the instrument.

YOUR PRICE ..... **\$10<sup>58</sup>**



### Instrument Clamps

D10086—For use in attaching either type Kontak mike to string instruments.

D10087—For attaching to wind instruments.

YOUR PRICE, Either Type ..... **59¢**



### Foot Operated Volume Controls

Leaves hands completely free to play instrument. Volume is increased or decreased by movement of foot.

D10064—A mperite Model K.F. Volume regulated by moving foot up and down.

YOUR PRICE ..... **\$7<sup>06</sup>**



D10065—Radolek Model 10. Volume regulated by moving foot from side to side.

YOUR PRICE ..... **\$6<sup>50</sup>**



## Outstanding Features

Two input channels each with individual Volume Control.

Four High Gain Stages.

Continuously Variable Bass-Treble Tone Control.

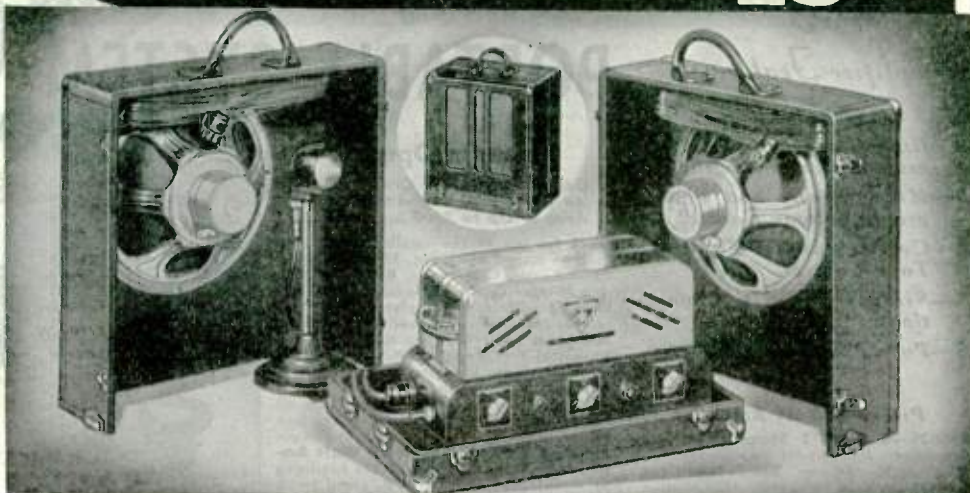
Inverse Feedback.

Optional Phono-Top.

Polarized Input and Output Connections.

Safety Fused.

# RADOLEK 15 WATT



## 15 Watt DeLuxe Portable P.A. System

Designed for compactness, yet case is large and heavy enough to allow proper baffling for speakers and provide excellent reproduction of either voice or music. Includes 15 watt high gain push-pull amplifier, set of 6 Sylvania Tubes, 2 heavy duty 12" PM speakers, each with 25 ft. of cable and plug, choice of microphone with 25 ft. of cable and plug, and desk microphone stand all housed in one unit. All parts are mounted to provide proper weight distribution. 3 Piece case size 14x18x19" is covered with durable blue leatherette. Net weight 28 lbs.

E15092—DeLuxe 15 Watt Portable System complete with all equipment, including protective amplifier shield as described above. **\$67<sup>25</sup>**

For 105-120 Volt 50-60 cycle A.C.

YOUR PRICE

E15087—DeLuxe 15 Watt Portable System complete as described above except includes record player mounted into amplifier cover as illustrated on opposite page. **\$78<sup>15</sup>**

YOUR PRICE

The ideal amplifier for low cost installations. Full power rating of 15 usable watts will cover numerous PA applications such as Office Call Systems, Store Advertising, Small Auditoriums, Schools, Restaurants, Paging and Rentals. The rugged construction and compact size of the amplifier make it well adapted to many portable applications. Perfect coverage for indoor audiences up to 5000 people and outdoor areas 3000 to 10,000 sq. ft. For 105-120 volt 50-60 cycle A.C. Operation.

## Super Value Features

**Mixer and Fader.** Separate volume controls for Phonograph and Mike are built right into amplifier. The inputs are so interconnected that complete mixing or fading can be accomplished easily and efficiently.

**Inverse Feedback**—gives greater output, better tone quality. System may be worked at higher output levels because distortion and hum are cut to a minimum.

**Tone Control**—Feedback tone control makes it possible for Amplifier to deliver a full practically distortion-free 15 watts of power regardless of tone control setting. Bass register brought out without distortion of high frequencies.

**Universal Output**—Built in out-

put transformer has wide range of output impedances. You may use practically any number and variety of extra speakers.

**Four Stage—High Gain**—Most amplifiers of similar rating offer only 3 stages of Audio. Radolek gives you 4 high gain stages which provides ample amplification when using low output microphones, even where long cables are necessary.

**Universal input** for Velocity, Crystal or Dynamic mike and Phonograph. Each channel has separate volume control.

**Phonograph Input**—Plug in phono connections with individual volume control permits phono music to be blended with speech input to any ratio desired.

## 15 Watt DeLuxe Amplifier Only

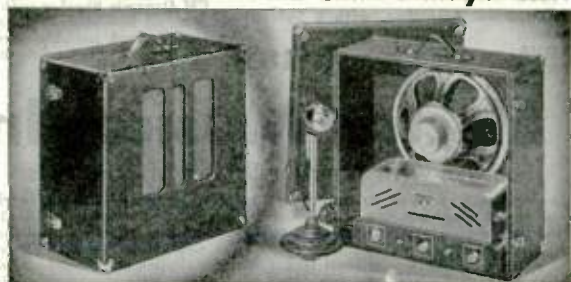
D15085—Radolek 4-Stage, 15-Watt, High-Gain DeLuxe Two Channel Input Amplifier. Factory wired and Laboratory Certified. Supplied without tubes but with protective shield.

YOUR PRICE..... **\$24<sup>50</sup>**

D15086—Complete Amplifier with Set of Six Matched Sylvania Tubes consisting of 1-6EF5, 1-6BC7, 1-6N7, 2-6L6's, 1-5V4G. With protective shield. **\$297<sup>0</sup>**

YOUR PRICE

## 15 Watt Standard Portable System



System consists of 15 Watt High-Gain Push-Pull Amplifier, set of six matched Sylvania tubes, heavy duty 12" PM speaker, choice of microphone and desk stand housed in one sturdy, convenient leatherette covered carrying case, size 17 x 17 x 9 inches. Mike and speaker each have 25 ft. of connecting cable and plug. Meets the need for a compact and inexpensive Sound Distribution System.

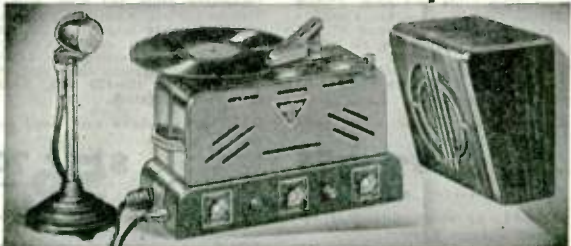
E15083—15 Watt Standard Portable System complete with all equipment, including protective amplifier shield, ready to operate as described above. For 105-120 Volt 50-60 cycle A.C. **\$55<sup>35</sup>**

YOUR PRICE

E15088—15 Watt Standard Portable P.A. System complete as described above except includes record player mounted into amplifier cover as illustrated on opposite page. **\$66<sup>25</sup>**

YOUR PRICE

## 15 Watt Indoor Phono System



Well suited to phono record amplification in medium power installations such as small Dance Halls, Taverns, Restaurants, Store Advertising, etc. Provides full 15 Watt distortion-free reproduction. System consists of 15 watt high gain push-pull amplifier, constant speed phono motor with 9" turntable and high grade crystal pickup mounted on amplifier protective shield, set of six matched Sylvania tubes, choice of microphone as explained on next page with 25' of cable and plug, microphone desk stand, one 12" heavy duty PM speaker with 25 ft. of connecting cable and plug and one deluxe walnut veneer wall baffle in polished finish. All parts are wired ready to install.

E15067—15 Watt Phono Amplifying System **\$64<sup>65</sup>**

complete as described above.

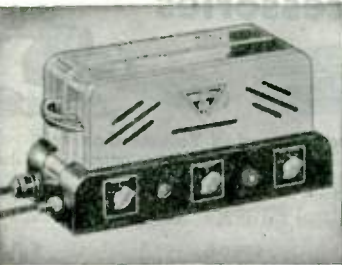
YOUR PRICE

E15068—15 Watt Phono Amplifying System complete as described above except less microphone and stand. **\$53<sup>40</sup>**

YOUR PRICE

E15069—15 Watt Indoor Public Address System as described above with microphone and stand but less phonograph. **\$53<sup>75</sup>**

YOUR PRICE





# DeLuxe Sound Systems



## Choice of Microphones

To suit the needs of your individual installation Radolek offers you a choice of microphones for the P.A. Systems on these pages. You may choose any of the microphones illustrated above when ordering the sound systems shown on these pages. They will cover the requirements of practically any operating conditions you may encounter. If you choose TYPE A—Bullet Crystal Mike No extra charge. TYPE B—Bullet Dynamic, or TYPE C—Velocity add \$6.50 to your order. TYPE D—Cardak Dynamic add \$22.50. If no choice is specified TYPE A will be supplied.

## 15 Watt Standard Indoor System



An ideal system for small installations such as Clubrooms, Restaurants, Store Demonstration systems, Taverns, etc. Complete system includes: 15 watt high gain push-pull amplifier with protective installation shield, set of six matched Sylvania tubes, choice of microphone as explained above with 25 ft. of cable and plug, microphone desk stand, one 12" heavy duty PM dynamic speaker with 25 ft. of cable and plug, and one blue fabricoid covered wall baffle. All parts are completely wired ready to install. For 105-120 Volt 50-60 cycle AC operation.

Servicemen! Use this system as a demonstrator in selling P.A. Its high standard of performance makes it possible to give your customer a real idea of what he may expect from the system he buys.

**E15098—Standard 15 Watt System.** Complete with all equipment, ready to operate as described above. **\$52<sup>25</sup>**

**E15051—15 Watt Standard Indoor P.A. System** complete as described above except includes record player mounted into amplifier cover as illustrated below. **\$63<sup>10</sup>**

## 15 Watt DeLuxe Indoor System

A highly practical Public Address System that will fulfill the requirements of many installations. Suitable for use as Office Call Systems, in Small Auditoriums, Small Ballrooms, Carnival Concessions, Night Clubs, etc. Complete system includes: 15 watt high gain push-pull amplifier, set of six matched Sylvania tubes, choice of microphone as explained above with 25 ft. of cable and plug, microphone desk stand, two heavy duty 12" PM dynamic speakers each with 25 ft. of cable and plug and two wall mounting blue fabricoid covered baffles. All units are completely wired and system is ready to operate. Each system is subject to careful test before shipment. For 105-120 Volt 50-60 cycle AC.

**E15091—DeLuxe 15 Watt System.** Complete with all equipment, less Amplifier Shield, ready to operate as described above. **\$63<sup>50</sup>**

**E15054—15 Watt DeLuxe Indoor P.A. System** complete as described above except includes record player mounted into amplifier cover as illustrated below. **\$74<sup>35</sup>**

## 15 Watt Amplifier Specifications

1. 15 Watts Push-Pull Class "A" output.
2. 4 Stage High-Gain Input with Six new multi-function tubes. 1-6X4, 1-6AC7, 1-6N7, 2-6L6's, 1-5V4G.
3. Extremely Low Hum Level. Only .1 or 1%.
4. Only .002 volts Input Signal required to obtain maximum output. 130 DB. gain for microphone. 5 Db. gain for phono.
5. Resistance coupled right to final output assuring flat response. Plus or Minus 2 Db. 50-10,000 cycles.
6. Output Impedances, 4, 8, 250, and 500 ohms from built-in output transformer. Two speaker sockets.
7. Polarized Plug-In Input and Output connections.
8. Mixer and Fader is electronic type built into amplifier.
9. Two Volume Controls, one for microphone, one for phonograph.
10. Master Tone Control and on-off switch.
11. Universal Input for Velocity, Crystal or Dynamic Microphone and Phonograph.
12. Inverse Feedback—Insures greater output without distortion and improved tone quality on peaks.
13. Easily replaced fuse.
14. Pilot Light shows when amplifier is "on".
15. Overall height including protective shield, 6". Base size, 5 1/2" wide, 14 1/2" long, 3" high.
16. Net Weight, 7 lbs. Shipping Wt., 10 lbs.

## For Use With F.M. Receptor

The 15 watt amplifier described on these pages is an ideal unit for use as the audio output system of the F.M. (Frequency Modulation) Receptor described on page 2. These two units when used with a high quality speaker and the proper serial are all that you will require to obtain the full benefit of the true high fidelity, noise-free reproduction of which F.M. is capable. The combination outlined above will give you results fully equal to or superior to the finest Console type F.M. or combination A.M.-F.M. Radios. Only two simple connections are required. The output of the F.M. Receptor is connected to the "phono" inputs of the amplifier. See page 2 for more complete information.

## Fast—Easy Set Up and Operation

Radolek Amplifiers and Sound Systems are easy to install and use and are reliable in operation. No technical knowledge or experience is required to obtain best results as everything possible has been done to simplify the system's operation. Systems come to you complete—ready to set up in a few minutes. Speakers and microphones are supplied with cables connected to polarized plugs. Just "plug-in" the easily identified connections and you're all set to go. Each system is carefully assembled and wired. A thorough test of the completed system is made before shipment, assuring you of trouble free operation when you receive it. Complete instructions included with each system.

## Phonograph Attachment

Consists of constant speed phono motor with 9" turntable and high grade crystal pickup mounted on amplifier protective shield. May be substituted in place of regular shield. Amplifier has plug-in connection jacks mounted so that all connections are enclosed inside of shield. May be purchased with amplifier or added to amplifier at a later date.

**E15093—Phono attachment unit** as described less amplifier. **\$108<sup>9</sup>**



## 15 Watt DeLuxe Outdoor System



Includes all equipment required to install a High Fidelity Public Address System for outdoor locations. Equipment supplied: 15 watt Amplifier with protective shield. Set of six matched Sylvania Tubes. Choice of microphones with 25 ft. of connecting cable and plug as explained above. Microphone Desk Stand. Two heavy duty 12" PM Dynamic Speakers each with 25 ft. of connecting cable and plug, and two spun metal horns with waterproof protecting covers.

**E15052—Complete 15 watt DeLuxe Outdoor PA System** as described above. **\$78<sup>90</sup>**

**E15053—Above PA System** complete with record player mounted into amplifier cover as illustrated at right. **\$89<sup>80</sup>**



Covers an outdoor Area of up to 30,000 Sq. Ft. and an Indoor Audience of 8,000 people.

3 Inputs for 2 Microphones and 1 Phono.

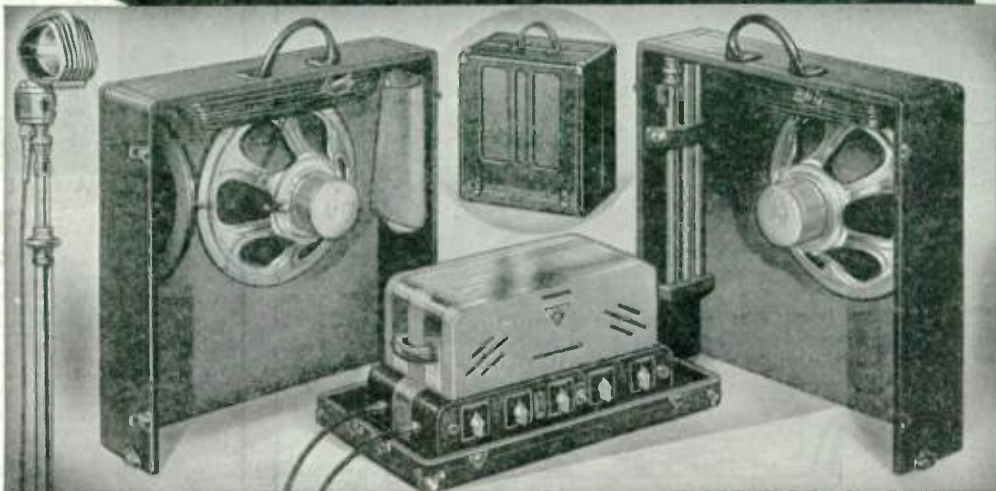
Screw-On Inputs. Plug-In Outputs.

Speaker Matching from 2 to 500 Ohms.

High Low Tone Control.

Inverse Feedback.

# RADOLEK 30 WATT



## 30 Watt De Luxe Portable System

A complete Public Address system in a single, easy to handle portable case. Carry it anywhere, set it up in a few minutes. System consists of 30 Watt High-Gain Push Pull Amplifier with Protective Shield and set of eight matched Sylvania tubes; Two heavy duty 12" P.M. Dynamic Speakers (31 oz. magnets) each with 25 feet of cable extension and polarized plugs; Microphone with 25 feet of shielded rubber covered cable and amplifier connecting plug (your choice as explained on next page); Sturdy 3 section Blue Fabrikoid covered Portable Case in which above equipment is installed. Case Size 20 1/4" high x 12 3/4" deep x 18" wide. Net Weight 28 lbs.

E15023—30 Watt Portable PA System, complete as illustrated above, ready to operate. **\$95<sup>75</sup>**

YOUR PRICE .....

E15024—30 Watt DeLuxe Portable P.A. System, Complete, ready to operate as above except includes Record Player mounted on amplifier cover. **\$106<sup>80</sup>**

YOUR PRICE .....

## Biggest Value—Widest Use

Here is the most amplifier for your money in the entire PA field. Alert modern engineering leadership and volume production have produced this super value. Finest quality in every detail. Widest usefulness. Tremendous power. Use this amplifier for your rental jobs as well as for permanent installations. It can be tuned down to handle the small installation and has sufficient reserve power to handle any but the largest setups. Feel confident to sell and install this High Quality Amplifier under toughest competitive conditions, its performance will satisfy the most discriminating.

## Simplified Mixer and Fader

Complete Input System including separate Volume Controls for Phonograph and Microphones is built right into the Amplifier. The inputs are so interconnected that complete mixing or fading between them can be accomplished easily and efficiently. Enables a voice announcement to be superimposed on a musical background from Phonograph, etc. The volume on the microphone can be individually adjusted so that the different sections of an orchestra can be toned down or brought out as desired. One microphone can be used to carry the orchestra as soft-background music; the other microphone for a singer, announcer or instrumental soloist.

## Bass and Treble Tone Controls

Either low or high frequencies may be accentuated, both highs and lows may be accentuated at once, or a flat uniform response can be obtained. Innumerable variations are possible so that any tonal requirement may be fulfilled. This feature is particularly valuable for installations which must fit every type of public speaker, singer, orchestra and hall. Accentuating the highs makes a speaker's voice far easier to understand. Accentuating bass response will make a high pitched voice sound more pleasing to the ear, will bring out the low notes so desirable in reproducing organ music, and will often assist in eliminating acoustical feedback. True wide range response is now possible as never before.

## 30 Watt Amplifier Only

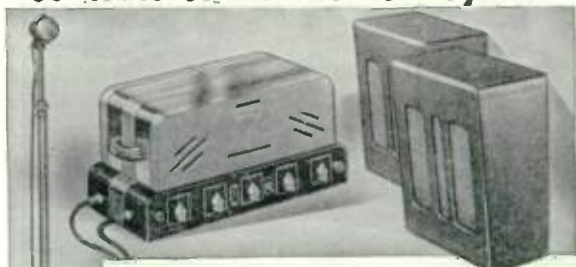
E15019—Radolek 4-Stage, 30 Watt, High-Gain DeLuxe Three Channel Input Amplifier. With protective shield but without tubes. **\$39<sup>50</sup>**

YOUR PRICE .....

E15021—Complete Amplifier with Set of Eight Matched Sylvania Tubes consisting of 2-68T3's, 1-6SC7, 1-6N7, 2-6L6's, 1-5V4G, and 1-6X5. **\$46<sup>00</sup>**

YOUR PRICE .....

## 30 Watt Standard Indoor System



Includes all equipment required to install a High Fidelity Public Address System for indoor locations. Equipment supplied: 30 watt DeLuxe Amplifier with protective shield fully described on opposite page, Set of Eight matched Sylvania Tubes, Choice of Microphones with 25 ft. of connecting cable and plug as explained above, Heavily weighted all chrome plated Microphone Floor Stand, Two heavy duty 12" P.M. Dynamic Speakers each with 25 ft. of connecting cable and plug and Two Wall Baffles, covered with attractive blue fabrikoid.

D15014—Complete 30 watt DeLuxe Indoor PA System as described above. **\$89<sup>50</sup>**

YOUR PRICE .....

D15015—Above PA System complete with record player mounted into amplifier cover as illustrated on opposite page. **\$101<sup>00</sup>**

YOUR PRICE .....

## 30 Watt DeLuxe Indoor System



This P.A. system will meet most of your indoor requirements. Comes complete with all equipment necessary for full installation. Equipment Includes: 30 watt DeLuxe amplifier with record player mounted into amplifier cover, and High Grade Crystal pick-up. Set of eight matched Sylvania Tubes. Choice of microphones (as explained above) with 25 ft. of connecting cable and plug. Heavily weighted all chrome plated microphone Floor Stand. Four Heavy-Duty 12" Permanent Magnet Speakers each with 25 ft. of connecting cable and plug. Four Wall Type Baffles in attractive Walnut finish.

E15058—Complete 30 watt DeLuxe Indoor System as described above with Phono Unit. **\$136<sup>35</sup>**

YOUR PRICE .....

E15059—Complete 30 watt DeLuxe Indoor System as described above but less Phono Unit. **\$125<sup>50</sup>**

YOUR PRICE .....





# De Luxe Sound Systems



## 30 Watt De Luxe Outdoor System



A High Fidelity Public Address System for all but the very largest outdoor locations. Quick and easy to set up. System consists of 30 Watt High Gain, Triple Input, Push Pull Amplifier with protective installation shield and a matched set of Sylvania tubes; microphone with 25 feet cable extension and plug; microphone stand, chrome plated, 68" adjustable with weighted base, Four Heavy duty 12" P.M. Dynamic speakers with 50 feet of outdoor extension cable and polarized plug on each; 4 spun all-steel Baffle horns with waterproof protecting covers.

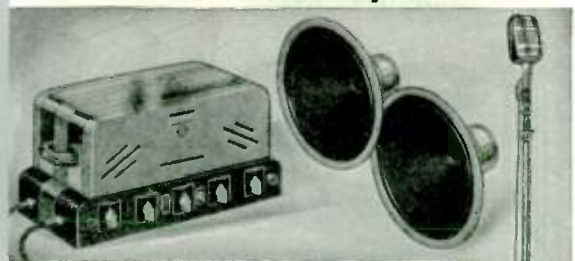
**E15056**—Complete 30 Watt DeLuxe Outdoor P.A. System as described above.

**YOUR PRICE.....\$156<sup>50</sup>**

**E15057**—Same as above plus Record Player mounted on amplifier cover.

**YOUR PRICE.....\$167<sup>35</sup>**

## 30 Watt Basic System



For those who wish to use baffles of their own construction or other types not included in systems listed on these pages. System consists of: 30 Watt High Gain—Triple Input—Push Pull Amplifier with 8 matched Sylvania tubes and protective shield. Microphones (your choice as outlined above) with 25 feet cable extension and plug, chrome plated 68" adjustable microphone stand with weighted base. Two Heavy-duty 12" P.M. dynamic speakers (31 oz. magnet) with 50 feet of connecting cable and polarized plug on each.

**E15060**—30 Watt Basic Sound System Complete as described above.

**YOUR PRICE.....\$84<sup>95</sup>**

**E15061**—30 Watt Basic Sound System, complete as described above except includes Record Player mounted on amplifier cover as illustrated at right.

**YOUR PRICE.....\$95<sup>80</sup>**



## Choice of Microphones

To suit the needs of your individual installation Radolux offers you a choice of microphones for the P.A. Systems on these pages. You may choose any of the microphones illustrated above when ordering the sound systems shown on these pages. They will cover the requirements of practically any operating condition you may encounter. If you choose TYPE A—Bullet Crystal Mike No extra charge. TYPE B—Bullet Dynamic, or TYPE C—Velocity add \$6.50 to your order. TYPE D—Cardak Dynamic add \$22.50. If no choice is specified TYPE A will be supplied.

## 30 Watt Standard Outdoor System

Includes all equipment required to install a High Fidelity Public Address System for outdoor locations. Equipment supplied: 30 watt DeLuxe Amplifier with protective shield. Set of Eight matched Sylvania Tubes. Choice of Microphones with 25 ft. of connecting cable and plug as explained above. Heavily weighted all chrome plated Microphone Floor Stand. Two heavy duty 12" PM Dynamic Speakers each with 25 ft. of connecting cable and plug, and Two spun metal horns with waterproof protecting covers.

**E15016**—Complete 30 watt DeLuxe Outdoor PA System as described above. Less record player.

**\$102<sup>75</sup>**

**YOUR PRICE.....**

**E15017**—Above PA System complete with record player mounted into amplifier cover as illustrated.

**\$113<sup>60</sup>**

**YOUR PRICE.....**

## Amplifier Specifications

1. 30 Watts "Laboratory Certified" Push-Pull 6L6 "Beam Power" Output.
2. Four stages, eight tubes: 2-6SF5's, 1-6SC7, 1-6NT, 2-6L6's or 6L6G's, 1-5V4G, 1-6X5.
3. 133 Db. usable gain for all stages of microphones.
4. Frequency characteristic curve flat within 2 Db. from 50 to 9000 cycles.
5. Three channel input—Two Microphone and one Phono.
6. Polarized Plug-in connections for three speakers, two mikes and phonograph.
7. Complete built-in genuine electronic 2 channel Mixing and Fading System.
8. Separate volume control for each of three channels.
9. Provisions for connection of remote control.
10. Dual tone controls. Treble and bass boost circuit.
11. Inverse Feedback. New balanced feedback development assures freedom from distortion peaks.
12. Output impedances: 2, 4, 8, 166, 250, and 500 ohms. Impedance selector for convenient speaker adaptability.
13. Extraordinary low hum level—only .1 of 1 per cent.
14. Power consumption 150 Watts.
15. Power supply, 105-120 volts, 50-60 cycle AC.
16. Fully protected with easily accessible quickly renewable fuse.
17. Pilot light shows when On or Off.
18. Separate On-Off switch.
19. Dimensions, with shield: 7½" high, 6½" wide, 16½" long.
20. Net weight, 13 lbs. Packed, 20 lbs.
21. Bottom protecting plate.
22. Finished in baked-on red crackle enamel.
23. Protective steel shield with chromium bands standard equipment.

## Dual Rectifiers

A new feature providing greater operating efficiency, longer life and cleaner power output. Dual Rectifiers—one for plate and grid bias voltages—one for screen voltages. Voltages remain constant in spite of varying power output levels providing a truer "Class A" output than can otherwise be obtained. These new rectifiers are also of the slow heating type allowing the filament of the other tubes to heat up before plate voltage is applied—this prevents high initial voltage surges giving condensers less abuse and longer life.

## Phonograph Attachment

Consists of constant speed phono motor with 9" turntable and high grade crystal pickup mounted on amplifier protective shield. May be substituted in place of regular shield. Plug in connection jacks are mounted so that all connections are enclosed inside of shield. May be purchased with amplifier or added to amplifier at a later date.

**E15013**—Phono attachment unit as described less amplifier.

**YOUR PRICE ... \$10<sup>89</sup>**





## Features

5 Inputs for 4 Microphones and 1 Phono Pickup.

Individual Volume Controls for each Input.

Screw-on Inputs, Plug in Outputs.

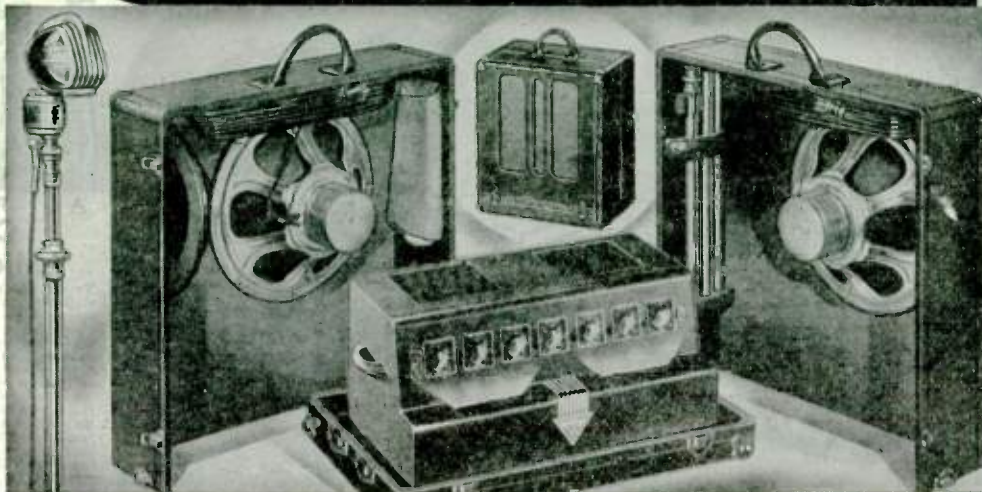
High-Low Tone Control.

Illuminated Control Panel.

Inverse Feedback.

Speaker Matching from  $\frac{1}{2}$  to 500 Ohms.

# RADOLEK 50 WATT



## 50 Watt Deluxe Portable P.A. System

Designed for compactness, yet case is large and heavy enough to allow proper baffling for speakers and provide excellent reproduction of either voice or music. The complete system includes: 50 Watt Five Input Amplifier described on opposite page. Matched set of 13 Sylvania Tubes. Choice of one microphone as indicated on next page, with 25 ft. of cable and plug. Demountable 68" floor stand that fits into carrying case. Two 12 inch PM Speakers, each with 25 ft. of heavy duty cable and plug. Complete equipment is housed in 3 section carrying case. Case size, 23" high x 14" deep x 20" wide. Net weight 73 lbs.

E15009—50 watt DeLuxe Portable System complete ready for operation as described.

**\$136<sup>95</sup>**

YOUR PRICE.....

E15078—50 Watt DeLuxe Portable System as described above except includes record player mounted on amplifier as illustrated on opposite page. YOUR PRICE.....

**\$147<sup>70</sup>**

## Fast Easy Installation



Remarkably easy to connect and operate. Arranged to eliminate all possibilities of costly mistakes in set-up. Anyone without technical experience or training can handle every function of operation with perfect satisfaction. All connections are brought out to rear of chassis, leaving front and sides free of messy wires and allowing a neater, quicker installation of amplifier. Illustration above shows rear view of amplifier with all connections indicated. A—Power connection plug for attachment to 105-120 volt 50-60 cycle AC power supply. B—Removable plug fuse to protect amplifier from accidental overloads. C—Plug in speaker connection sockets provide hookup of 4 speaker lines. D—Impedance selector switch allows matching of amplifier to speaker impedance of from  $\frac{1}{2}$  ohm to 500 ohms. E—Phono input socket for standard phone tip plug connections. F—Screw on type microphone connectors provide positive and convenient hookup of 4 microphones.

## Illuminated Panel

Professional type illuminated panel provides easy identification of controls. Illumination is accomplished by two bulbs located at the base of the panel. Light is thrown upward in a "fan-wise" fashion lighting up the entire panel. No fumbling or guessing in the dark. Sloping control panel insures greater visibility and ease of operation. The 4 microphone, 1 phono and 2 tone controls mounted in a straight line across the panel provides instant "finger tip" control over any operating situation you may encounter.

## Bass and Treble Controls

Either or both low or high frequencies may be accentuated or a flat uniform response can be obtained. Innumerable variations are possible. This feature makes system adaptable to every type of public speaker, singer, orchestra and hall. Accentuating the highs makes a speaker's voice far easier to understand. Accentuating bass response will make a high pitched voice sound more pleasing to the ear, will bring out the low notes so desirable in reproducing organ music, and will often assist in eliminating acoustical feedback.

## 50 Watt Amplifier Only

For Use on 105-120 Volts, 50-60 Cycle AC

D15130—Radolek 4-Stage, 50 watt, High-Gain DeLuxe Five Channel Input Amplifier, without tubes **\$76<sup>75</sup>**

D15131—Complete Amplifier with Set of Thirteen Matched Sylvania Tubes consisting of 4-6SF5's, 3-6SG7's, 4-6L6's and 2-5V4's. **\$86<sup>98</sup>**

YOUR PRICE.....

## 50 Watt Standard Indoor System



Includes all equipment required to install a High Fidelity Public Address System for indoor locations. Equipment supplied: 50 watt DeLuxe Amplifier, 13 matched Sylvania tubes, choice of one microphone with 25 ft. of cable and plug, 68" all chrome plated microphone floor stand, two heavy duty 12" PM Dynamic Speakers each with 25 ft. of connecting cable and plug and two wall baffles, covered with blue fabricoid.

E15005—Complete 50 watt Standard Indoor P.A. System as described above.

**\$130<sup>00</sup>**

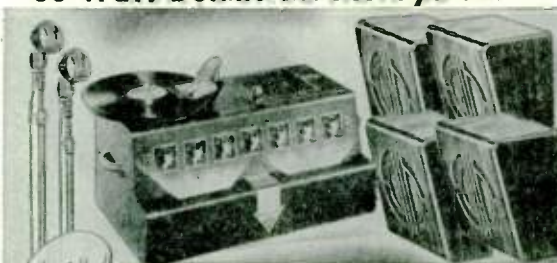
YOUR PRICE.....

E15079—Complete 50 Watt Standard Indoor P.A. System as described above except includes record player mounted on amplifier as illustrated on opposite page.

YOUR PRICE.....

**\$141<sup>80</sup>**

## 50 Watt Deluxe Indoor System



A High Fidelity System that gives distortion free performance plus the power of 50 full watts for thorough sound distribution. This system is capable of covering an area of up to 55,000 square feet or a crowd of 10,000 people without difficulty. The complete system includes 50 watt Deluxe Amplifier with built in phonograph attachment described on next page. A set of 13 matched Sylvania Tubes, choice of one microphone as indicated on next page, with 25 ft. of heavy duty cable and plug, 68" microphone floor stand, four heavy duty 12" Dynamic Speakers each with 25 feet of cable and polarized plug, plus four Walnut finished Wall Baffles.

E15080—Complete 50 watt Deluxe Indoor P.A. system with phono attachment as described above.

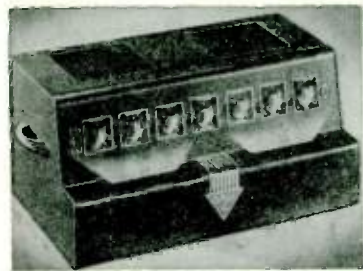
**\$175<sup>30</sup>**

YOUR PRICE.....

E15081—50 Watt Deluxe Indoor P.A. system as described above but less phono attachment.

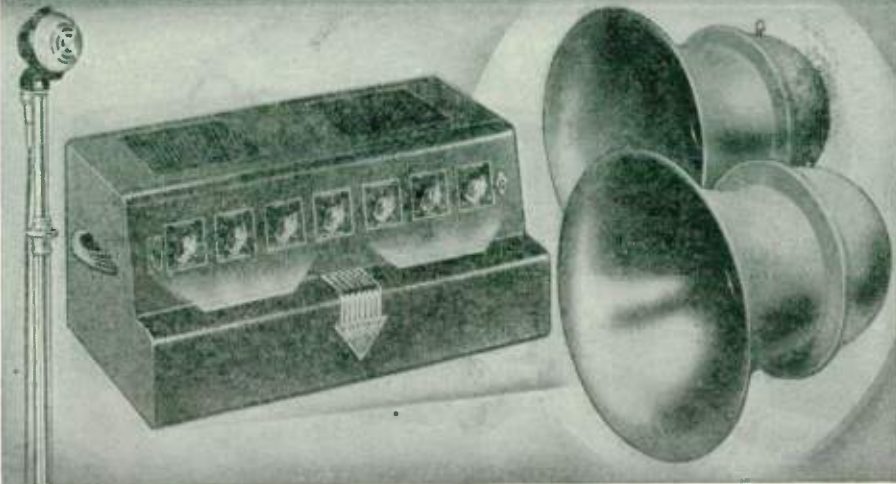
YOUR PRICE.....

**\$163<sup>50</sup>**





# DeLuxe Sound Systems



## 50 Watt Deluxe Outdoor System



This is the system for very large installations in Athletic Stadiums, Huge Political Rallies, etc. Also excellent as a chime amplification system for churches and cemeteries. System includes: 50 watt amplifier, set of 13 matched Sylvania tubes, choice of one microphone with 25 feet of cable and plug as indicated above. Microphone Floor Stand, Four heavy duty 12" PM driver speakers designed to handle full output of amplifier when used with the four spun steel trumpets furnished. Speakers each have 50 feet of cable and plug. Four weatherproof baffle covers are supplied to protect speaker cones when installed outdoors permanently. For 105-120 volt 50-60 cycle A.C.

**E15095—50 Watt Deluxe P.A. System for outdoor installation. Complete as described above.**  
**YOUR PRICE.....\$197<sup>50</sup>**  
**E15096—50 Watt Deluxe P.A. System as described above except includes record player mounted on amplifier as described below.**  
**YOUR PRICE.....\$209<sup>30</sup>**

## 50 Watt Basic System



Designed for the Public Address Specialist who wishes to use his own special baffles or build the speakers into a wall using the wall as a baffle. Equipment includes: 50 watt Deluxe Amplifier, set of 13 matched Sylvania tubes, choice of one microphone as explained above with 25 ft. of cable and plug. 68" chrome plated floor stand, and two heavy duty 12" PM Dynamic Speakers each with 25 ft. of cable and plug.

**E15012—50 watt Basic PA System as described completely wired, ready to operate.**  
**YOUR PRICE.....\$125<sup>95</sup>**  
**E15062—50 Watt Basic P.A. System as above except includes record player mounted on amplifier as illustrated at right.**  
**YOUR PRICE.....\$137<sup>75</sup>**



## Choice of Microphones

To suit the needs of your individual installation Radolek offers you a choice of microphones for the P.A. Systems on these pages. You may choose any of the microphones illustrated above when ordering the sound systems shown on these pages. They will cover the requirements of practically any operating conditions you may encounter. If you choose TYPE A—Bullet Crystal Mike No extra charge. TYPE B—Bullet Dynamic, or TYPE C—Velocity add \$6.50 to your order. TYPE D—Cardak Dynamic add \$22.50. If no choice is specified TYPE A will be supplied.

## Standard 50 Watt Outdoor System

Includes all equipment required to install a High Fidelity Public Address system for outdoor locations. Will give sufficient sound coverage to handle 90% of your requirements. Equipment supplied: 50 watt Deluxe amplifier, 13 matched Sylvania tubes, choice of one microphone as described above with 25 feet of cable and plug. 68" chrome plated mike stand. Two heavy duty 12" PM Dynamic speakers, each with 25 ft. of connecting cable and plug and two spun metal horns with water repelling protecting covers.

**E15007—Complete 50 Watt Standard Outdoor P.A. System as described above.**  
**YOUR PRICE.....\$143<sup>75</sup>**

**E15063—50 Watt Outdoor P.A. System as described above except includes record player mounted on amplifier as shown below.**  
**YOUR PRICE.....\$155<sup>50</sup>**

## Fast—Easy Set Up and Operation

Radolek Amplifiers and Sound Systems are easy to install and use and are reliable in operation. No technical knowledge or experience are required to obtain best results. Everything possible has been done to simplify their operation. Systems come to you complete—ready to set up in a few minutes. Speakers and microphones are supplied with cables connected to polarized plugs making it

impossible to place plug in the wrong place. Just "plug-in" the easily identified connections and you're all set to go. Each individual system is carefully assembled and wired by Radolek Technicians and a thorough test of the completed system is made before shipment. You are assured of trouble free operation. Complete installation and operating instructions included.

## 50 Watt Amplifier Super Power Features

1. 50 Undistorted Watts to speaker voice coils. Completely free from drawing grid current on peaks within normal power. (Very low distortion within rated capacity).
2. Five Input Channels with plug-in connections. Four high gain, 130 db. for all commercial microphones and one for phono input 85 db. Each channel independently controlled.
3. Thirteen Multi-function Tubes. 4 stages: 4—6SF5's, 3—6SC7's, 4—6L6's and 2—5V4's.
4. High Fidelity Tone with frequency characteristics flat within 2 db. from 40 to 9000 cycles.
5. Tonal Control. Accentuates bass or treble in ratio as may be preferred.
6. Under panel lighting: Illuminates all controls. Provides easy visibility for proper adjustment of volume and tone.
7. Complete Mixing and Fading System. Perfect control over each input providing any combination of tone and volume.
8. Plug-in polarized receptacles for four speakers.
9. Automatic Speaker Matching. A convenient impedance changing switch permits use of various types and number of speakers. A single setting of this control assures a perfect impedance match with practically any selection of speakers.
10. All connections made at rear of chassis providing neater installation.
11. Output impedance tapped at 1/2, 2, 4, 8, 125, 168, 250, and 500 ohms.
12. Only .003 volts input to obtain full output. Permits microphone cable lengths up to 200 ft.
13. Exceptionally Low Hum Level. only .1 of 1% of total output.
14. Low Power Consumption, 180 Watts. Power supply required 105-120 volts. 50-60 cycles A.C. Safety Fused.
15. Strong Steel Chassis in lustrous red crackle finish. Dimensions, 20 1/2" long, 12" wide, 8 1/2" high.
16. Net Weight 30 lbs. Shipping weight 38 lbs.

## Record Player Attachment

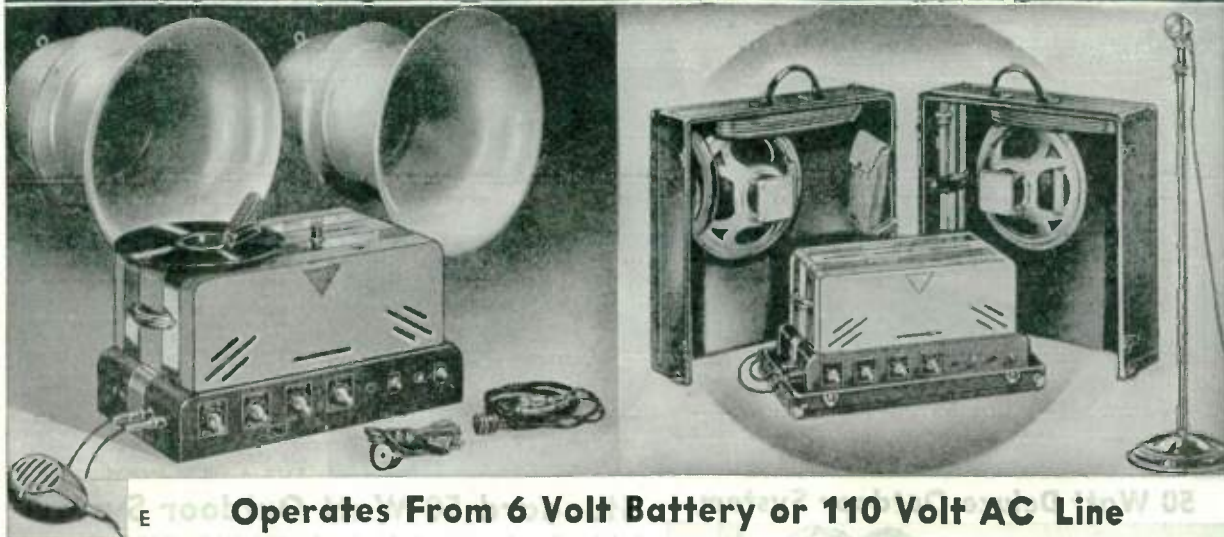
Consists of constant speed phono motor with 9" turntable and high grade crystal pickup mounted on amplifier cover. May be substituted in place of regular cover. Amplifier has plug in connection jacks mounted so that all connections are enclosed inside of shield. May be purchased with amplifier or added to amplifier at a later date.

**E15011 — Phono attachment unit as described less amplifier.**  
**YOUR PRICE.....\$11<sup>82</sup>**





# 30 Watt Mobile Amplifier and Sound Systems



**E Operates From 6 Volt Battery or 110 Volt AC Line**



## Choice of Microphones

To suit the needs of your individual installation Radolek offers you a choice of microphones for this P.A. Systems on these pages. You may choose any of the microphones illustrated above when ordering the sound systems shown on these pages. They will cover the requirements of practically any operating conditions you may encounter. If you choose TYPE A—Bullet Crystal Mike No extra charge. TYPE B—Bullet Dynamic, or TYPE C—Velocity add \$6.50 to your order. TYPE D—Cardak Dynamic add \$22.50. TYPE E Shure Crystal Hand Mike with "press to talk" switch add \$6.50. If no choice is specified TYPE A will be supplied. E9971—Type F Shoulder Microphone Carrier for any of above microphones. Less Mike.

**YOUR PRICE \$155**

**No External Power Pack Required**  
Your Power Source troubles are over with this New Radolek General Purpose Public Address System. Operate it indoors from the 110 Volt AC Power line or set it up in a truck or passenger car with 6 volt storage battery. When your sound car is used in picnic groves or other locations where you stay in one spot use 110 V. AC power if available or if not, a 6 volt storage battery will do. Changeover instantly—no complicated connections, just plug into power line or clip onto battery, throw the power switch, and you're ready to go. Both 6 V. and 110 V. power packs are built into the amplifier. No external equipment used. Delivers tremendous volume with rich clear tone. Covers an audience of 8,000 people indoors. Under favorable conditions can be heard up to 1/2 mile away, outdoors.

## Easy To Install

**READY TO SET UP AND OPERATE IN JUST A FEW MINUTES:** The Radolek 30 Watt Mobile System is easy to install and operate. You don't have to be an engineer. The most inexperienced novice can quickly set up and take down this equipment without error. No Wiring! Just plug-in. A few simple connections and you're all set to go. Plug-in connectors come already wired and are polarized making it impossible to plug into the wrong socket. Complete installation and operating instructions included.

- Extra Power Output—50% more than usual on mobile systems.
- One complete unit—no external power pack or current supply needed.
- Phonograph record player—optional—can be added later if preferred.
- Controls conveniently accessible. Easily handled even in heavy traffic.
- P.M. type speakers draw no field current, provide highest efficiency and greatest power with least battery drain. Can be used any place.

## Amplifier Only

D15025—30 Watt Mobile Amplifier only with protective cover less phonograph and tubes.  
**YOUR PRICE \$72.50**

D15026—30 Watt Mobile Amplifier with protective cover and set of 9 Matched Sylvania Tubes. Less phonograph.  
**YOUR PRICE \$79.87**

## 30 Watt Portable System

D15050—30 Watt Mobile Type Portable System less record player. Ready to operate. Includes: 30 Watt Triple Input Amplifier. 9 Matched Sylvania Tubes. Choice of microphone with 25 foot cable and plug as outlined above-left. Demountable 68" floor stand that fits into carrying case. 2 Heavy duty 12 inch PM speakers, each with 25 feet of cable and plug. Complete equipment housed in 3 section carrying case. Easy and quick to set up. Reliable in performance. Size of carrying case: 21 1/2 x 23 1/2 x 12 1/2".  
**YOUR PRICE \$130.85**

## Mobile System

### For Truck Installations

D15027—Complete Mobile System including: 30 Watt Amplifier with protective cover less phonograph; Two 12 inch finest quality 31 oz. magnet, P.M. Dynamic speakers with 50 foot cables and polarized plugs; Two Aluminum baffle horns, with choice of microphones listed above, left; with 25 feet of cable and polarized plugs and set of 9 matched Sylvania Tubes. No mike stand or holder supplied.  
**YOUR PRICE \$136.65**

## Phono Attachment

Either system illustrated above may be purchased with phonograph attachment already installed or, phonograph attachment may be added at a later date without any additional wiring being necessary. Includes high-grade phono motor with 9" turn-table and Astatic crystal pickup.  
E15028—  
**YOUR PRICE \$117.50**

## Most Versatile Amplifier

Big money will be made this year renting and selling public address systems for gatherings of every kind. In the entire P. A. field, the Radolek 30 watt Mobile amplifier gives you most for your money. Adequately covers indoor gatherings from a hundred or less up to large crowds of 8,000 and outdoor events of every type from a single tennis court match or small swimming tank meet up to athletic events on large fields 30,000 square feet in size.

Maximum usefulness is obtainable as a result of the combination 6 volt battery and 110 V. AC line operation provided in this amplifier. Dances — Dramatics — Concerts — Call Systems — Clubs — Schools — Churches — Auditoriums — Parks — Playgrounds — Garages — Parking Lots — Theatres and hundreds of places you can think of Right Now are good prospects for P.A. equipment. Prepare now to Cash in on the many P.A. installation possibilities in your locality—Feel confident to sell and install this amplifier under the toughest competitive conditions.

## Amplifier Specifications

1. Dual Purpose Amplifier—For operation on 6 volt storage Battery or 105-120 volt, 50-60 cycle AC line. No external power pack.
2. 30 Watts "Laboratory Certified" Output—Powerful new High-Gain "Inverse Feedback" circuit. Newest engineering. You can use every bit of the distortion-free power developed by this amplifier. Uses high impedance microphones such as Velocity, Crystal, Dynamic, etc.
3. Uses Nine Tubes—2-6SF5's, 1-6SC7's, 1-6N7, 2-6L6G's, 3-6X5G's.
4. Three Channel Input—Two for microphones, one for phonograph.
5. High Fidelity Output—Full rated output from battery or power line.
6. Built-In Mixing System—Each input independently controlled for volume and mixing.
7. Hi-Low Tone Control—Complete control of tone, either highs or lows may be emphasized or normal tone brought out with greatest purity.
8. Electrically operated Record Player—(optional equipment). Smooth running, self-starting, reliable motor. Fine quality crystal pick-up gives life-like reproduction.
9. Speakers—Provision is made for operation with either one or two P.M. dynamic speakers. Connections made with polarized plugs. No chance for wrong connections.
10. New Streamlined Design—All-steel case. Finished in two-tone wrinkle enamel. Lower section is in maroon. Top shell is grey wrinkle, trimmed with chromium. Carrying handles permit easy transportation. Extra strong. Ample ventilation. Size: 9" high, 18" wide, 9 1/4" deep.



# CABINETS CHASSIS BASES and PANELS

## Streamlined Amplifier Foundations

Chassis base with shield.

Beautiful foundations for P.A. amplifiers, speech amplifiers and similar apparatus.

Beautiful marine gray wrinkle finish with chrome trim.

Chrome plated ventilators in front. Sturdy handles at sides of base. Screened ventilators at top. No bottom plates included.

Stock Number	Size Inches W x D x H	Chassis Base	Your Price
D17993	10x5 1/2 x 9	3" High	\$3.24
D17994	12x8 x 9	3" High	4.21
D17995	17x7 x 9	3" High	4.21
D17996	14x10 x 9	3" High	4.70
D17997	17x10 x 9	3" High	5.00

## Standard Foundations

Chassis Base with Shield

Similar to above except does not have chrome trim. Well adapted for permanent installations and for use in carrying cases. Plenty of ventilation. Screened openings in top. Marine gray wrinkle finish. No bottom plates included.

Stock Number	Size Inches W x D x H	Chassis Base	Your Price
D17900	10x5 1/2 x 9	3" High	\$1.91
D17901	12x8 x 9	3" High	2.80
D17902	17x7 x 9	3" High	2.80
D17903	14x10 x 9	3" High	3.09
D17904	17x10 x 9	3" High	3.24

## General Utility Cabinets



Sturdy steel cabinets suitable for input stages, mixers, transformers, amplifiers, monitors, etc. Removable front and back covers held in place by self-tapping screws. Finished in black wrinkle enamel. No chassis base included.

Stock Number	Size LxDxH	Your Price	Stock Number	Size LxDxH	Your Price
C17964	4x2x4	\$0.68	C17968	10x8x7	\$1.67
C17965	4x3x5	.73	C17969	10x8x10	2.06
C17966	6x6x6	.92	C17970	12x11x8	2.21
C17967	9x5x6	1.32			

## Sloping Panel Cabinets

An all purpose cabinet with large removable sloping panel. Rear of cabinet has louvered ventilators with opening for cashes. Sides have chrome trimmed ventilators. Marine gray wrinkle finish with chrome trim. No chassis base included.

Stock Number	Size L x D x H	Takes Chassis Size	Your Price
D17888	8x8 x 8	7x7 x 2	\$3.53
D17889	10x8 x 8	9x7 x 2	3.82
D17890	14x8 x 8	13x7 x 2	4.61
D17891	18x12x12	17x10x3	6.76

## Metal Speaker Cabinets

Sturdy metal cabinet attractively finished in marine gray wrinkle enamel with convenient metal carrying handle. Modern steel speaker grille. Supplied with well ventilated back covers.

Stock Num.	Size W x H x D	Hole Size	For Spkr.	Your Price
E17982	10x10x6	4 1/4"	6"	\$2.74
E17983	12x12x7	6 1/2"	8"	3.24
E17984	14x14x8	8"	10"	4.26
E17985	16x16x8	11"	12"	5.73

## Heavy Duty Chassis and Bottom Plates

Steel Black Stock Num.	Chassis Cadmium Stock Num.	Your Price	Size Inches W x L x H	Bottom Plates Black Stock Num.	Cadmium Stock Num.	Your Price
D18400	D18415	\$0.56	4 1/4 x 8 1/2 x 1 1/2	D18430	D18445	\$0.35
D17999	D17879	.59	5 x 9 1/2 x 1 1/2	D18430	D18445	.35
D18401	D18416	.77	5 x 9 1/2 x 2			
D18402	D18417	.74	7 x 7 x 2			
D17851	D17866	.51	7 x 7 x 2	D17880	D17892	.47
D17853	D17868	.88	7 x 11 x 2	D17881	D17893	.47
D17856	D17871	1.03	7 x 12 x 3	D17883	D17895	.50
D17858	D17873	.97	7 x 13 x 2	D17885	D17897	.59
D17860	D17875	1.15	7 x 17 x 3	D17887	D17899	.59
D17861	D17876	1.24	8 x 17 x 2	D18432	D18447	.59
D18405	D18420	1.30	8 x 17 x 3	D18432	D18447	.59
D17855	D17870	1.24	10 x 11 x 2 1/2	D17882	D17894	.59
D17857	D17872	1.24	10 x 12 x 3	D17884	D17896	.59
D17859	D17874	1.30	10 x 14 x 3	D17886	D17898	.65
D17862	D17877	1.41	10 x 17 x 3	D18434	D18449	.74
D18407	D18422	1.85	10 x 17 x 4	D18434	D18449	.74
D18408	D18423	1.76	10 x 23 x 3	D18437	D18452	.97
D18410	D18425	1.76	11 x 17 x 3	D18438	D18453	.74
D18413	D18428	1.91	13 x 17 x 2	D18442	D18457	.94
D18414	D18429	2.50	13 x 17 x 4	D18442	D18457	.94



One piece chassis and bottom plates made of 18 gauge steel. Suitable for rack or cabinet use. Supplied in cadmium and baked black wrinkle finish. Chassis have 1/2" flange on bottom folded inward, for additional strength and drilled for attaching of bottom plates. Raised bosses on bottom plates.

## Radio Panels

Bakelite Panels. Best grade, easily machined without chipping. Polished black finish. Masonite Panels. Made of tough non-magnetic material. Easily cut and drilled with wood working tools. Polished black finish. Will not warp.

Size Inches	Bakelite 1/4" Thick		Masonite 1/4" Thick	
	Stock Num.	Your Price	Stock Num.	Your Price
7x10	C11305	\$0.79	C11309	\$1.15
7x12	C11306	.97	C11310	1.41
7x14	C11304	1.06	C11311	1.68
7x18	C11308	1.62	C11312	2.15
7x24			C11314	2.85
7x30			C11299	3.53

## Steel Chassis Bases

Bases are made of lead coated, heavy and substantial auto-body steel. Easy to solder. Open on bottom, enclosed top and sides.

Stock Number	Size L x W x H	Your Price
D15855	9x 7x2"	\$0.53
D15858	12x10x3	.93
D15856	13x 7x2	1.63
D15859	17x10x3	1.13
D15860	25x10x3	1.53

## Hinged Covered Cabinets

For test equipment, oscillators, small transmitters, amplifiers, etc. Made of steel, finished in black crystallized lacquer. Hinged lid. Front, back or bottom can be removed separately. Shipped knocked down. No chassis included.



Stock Number	Size Inches L x W x H	Takes Chassis L x W x H	Your Price
A17917	9 x 5 x 6	8 1/2 x 4 1/2 x 1 1/2	\$2.12
A17918	10 x 8 x 7	9 x 7 x 2	2.65
A17920	12 x 8 x 7	11 x 7 x 2	3.09
A17921	12 x 11 x 8	11 x 10 x 2 1/2	3.58
A17922	14 x 8 x 7	13 x 7 x 2	3.24
A17923	18 x 12 x 9	17 x 10 x 3	4.56

## Portable Steel Cabinets

For transceivers, test equipment, etc. Front and back are removable. Leather handle. Black wrinkle finished steel. Fully enclosed.

A17924—Size, 12x7 1/2 x 7".	<b>\$2.06</b>
YOUR PRICE ..	
A17925—Size, 15x7 1/2 x 7".	<b>\$2.35</b>
YOUR PRICE ..	

### Chassis for Above

A17926—Size, 7 1/2 x 6 x 2 1/2".	<b>\$3.8c</b>
YOUR PRICE .....	



## Metal Utility Cabinets

Sloping Panel Type

Ideal for use as speaker cabinets, oscillator cases, input stages, small receivers, tele-tube systems amplifiers, monitors, etc. Ruggedly built, small and compact. Beautifully designed, with rounded corners and finished in marine gray enamel.



Stock Number	Overall Size HxWxD	List Price	YOUR PRICE
E17979	4 1/4 x 4 1/2 x 4 1/2	\$1.90	\$1.12
E17980	4 1/2 x 7 1/2 x 4 1/2	3.50	2.06

## Relay Rack Panels

Standard amateur relay rack panels slotted to fit any 19" relay rack having holes at 1 1/2" centers. Available in either black or gray wrinkle finish. Steel panels 1/4" thick. Masonite panels 1/4" thick. All panels 19" wide.

Black Steel Stock Number	Grey Steel Stock Number	Your Price	Size Hgt. In.	Black Masonite Stock Number	Your Price
C17822	C17834	\$0.59	1 1/2"	C17927	\$0.41
C17823	C17835	.68	3 1/2"	C17928	.53
C17824	C17836	.77	5 1/2"	C17929	.68
C17825	C17837	.82	7"	C17930	.77
C17826	C17838	1.03	8 1/2"	C17931	.94
C17827	C17839	1.18	10 1/2"	C17932	1.06

C17828	C17840	1.44	12 1/2"	C17933	1.18
C17829	C17841	1.65	14"	C17934	1.33
C17830	C17842	1.91	15 1/2"	C17935	1.47
C17831	C17843	2.00	17 1/2"	C17936	1.71
C17832	C17844	2.21	19 1/2"	C17937	1.88
C17833	C17845	2.50	21"	C17938	2.06

## Metal Meter Cabinets

Conveniently and safely houses any 2" or 3" meter. Finished in marine gray ripple enamel with red striped chrome trim. Size 4 1/2 x 4 1/2 x 4 1/2" high.



D17962—With 2 1/2" Hole.	
D17963—With 2 1/2" Hole.	<b>\$1.18</b>
YOUR PRICE, Each .....	

## Chrome Trim Plates

Two-tone satin and polished chrome striped decor a ting plates for improving the appearance of chassis, cabinets, etc.

Stock Num.	Size WxL	Your Price	Stock Num.	Size WxL	Your Price
D18482	3x10"	53c	D18479	3x23"	\$1.27
D18483	3x12"	65c	D18480	4x14"	1.03
D18477	3x14"	74c	D18481	4x17"	1.24
D18478	3x17"	88c			

## Rack Screws and Washers

Nickel plated, oval head brass screws and cup washers for rack and panel use. Screw size, 1/4" long. C11876—Per set of 12 screws and 12 washers.....**16c**



Per gross sets (288 Pc.).....\$1.75



# REPLACE- MENT

# Coils For Every Service Need

## Adjustable Phono Oscillator Coil

With this coil and other components anyone can construct either a "wireless," or a direct-connected, phonograph oscillator to permit the reproduction of recordings through any radio set without altering the receiver. May be incorporated either in the receiver or with the record player. Adjustment on top of coil makes it possible to tune the oscillator to any point in the Broadcast band which is clear of interference. Coil is thoroughly impregnated against moisture. Housed in metal can, 1 3/4" sq. x 3 3/4" high. Complete instructions and diagram for building a "Wireless" record player included. E9777—List, \$1.65. **YOUR PRICE** ..... **\$1.03**



## Popular Coil Replacements

Exactly duplicate original coil. Wherever coil is complete with trimmers, shield etc. it is referred to as an assembly; otherwise coil only is furnished. See coil repair service listed below.

Receiver Model and Type Coil	Stock No.	Your Price
Apex-Gloritone-7A, 9, 19, 99-IF and Osc. Assem.	D9620	\$2.06
Clarion-100, 220 1st IF Coil	E9625	.65
2nd IF Coil	E9628	.65
Crosley-(IF's shown ab 15, 25, 505, 5515 oves)	D9586	.65
Antenna	O	
Type A 1st & 2nd 175 Kc. IF. Fits can 1x1 1/4"	D9587	.73
Type B Out. 175 Kc. with brass stud and screw	D9588	.88
Fairbanks Morse-8A-RF	D9589	1.76
Grunow-11G, 1191, 11 BC Antenna Coil	D9590	.65
Type D (Litz Wire)	D9591	.65
BC Det. (Solid Wire)	D9592	.65
BC Oscillator	D9593	.65
12B, 12W, 1291, 1297 BC Antenna	D9594	.65
BC Det. (Litz Wire)	D9595	.65
Type D	D9595	.65
Motorola-5T-T1, T2, 5Y, 6A, 6T, 9Y, 9R, 9A 2nd IF	D9596	1.06
Philco-38, 38A 1st IF	D9597	.47
RCR-80, 82, 86, RAE68 1st IF Coil (Pt. 8567)	D9609	.65
2nd IF Coil (Pt. 8568)	D9610	.65
3rd IF Coil (Pt. 8569)	D9611	.65
Sentinel-72, 72AE, 73B 80B, 100X-BC Osc.	D9598	.65
Stewart-Warner R110-BC 1st Det.	D9599	.65
R123, 1231-9 2nd IF	D9580	.65

## I. F. Transformers In Metal Shield with Double Tuning Condensers

465 K.C. E9770—Input E9771—Output **YOUR PRICE** Either Type, Each. **59¢**  
For use as replacements or in new set design. Can be used in any combination required for the I. F. stages. The tuning condensers are of the mica compression type, on Isolantite bases and are adjustable from the top of the shield can. Leads are color coded. Diagram is furnished with each unit. Double Tuned. Adjustable from 442 to 470 K. C. Shield Size, 1 3/4" Square x 3 3/4" High. Spade Bolt Mounting Centers 1 3/4".



## Insulex R. F. Choke

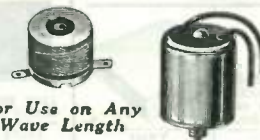


### High Frequency

A9764—**YOUR PRICE** ..... **14¢**  
10 for \$1.25

Designed especially for high frequency receivers. Extremely low distributed capacity. For wire lead mounting or may be mounted in grid clips. 2.5 Millihenry Inductance. 16 Ohms DC resistance. 150 Ma. current capacity.

## R. F. Choke Coils



For Use on Any Wave Length

Unshielded coils have solder lugs securely anchored to ceramic form. Shielded coils are completely shielded in aluminum case 1 1/4" diam., 1 1/4" long. Insulated wire leads. Single mount screw projects 3/4".

Unshielded				Shielded			
Stock No.	Your Price	Milli-henries		Stock No.	Your Price		
E9731	41¢	80		E9738	65¢		
E9732	41¢	60		E9739	53¢		
E9733	35¢	30		E9740	50¢		
E9727	32¢	15					
E9734	29¢	10		E9741	38¢		
E9725	24¢	7 1/2					
E9735	24¢	5 1/2		E9742	32¢		
E9736	24¢	3 1/2		E9743	32¢		
E9737	24¢	2 1/2		E9744	32¢		

## Plug-in Coil Kits

Space wound on 1 1/4" dia. 2 1/2" high bakelite coil forms. 4 Prong coils have primary and secondary. 6 Prong coils have primary, secondary and tickler. For use with 00014 mfd. tuning condenser. Instructions for building a short wave and broadcast receiver included.



### Short Wave Coils

Set of 4 coils to cover 9.5 to 200 meters or 1500 Kc. to 31.5 Mc. **C13491—4 Prong Kit. YOUR PRICE** ..... **\$1.18**

**C13492—6 Prong Kit. YOUR PRICE** ..... **\$1.76**

### Broadcast Coils

Set of 2 coils to cover 100 to 570 meters or 525 Kc. to 3000 Kc. **C13493—4 Prong Kit. YOUR PRICE** ..... **\$1.03**

**C13494—6 Prong Kit. YOUR PRICE** ..... **\$1.37**

## Low Loss Type



Wire wound on 4 prong low-loss bakelite ribbed forms. 1 3/4" Diameter, 2 1/4" high. Rim handle makes it easy to change coils. Uniformity and precision of the spaced primary and secondary windings insures a high degree of efficiency. Printed insert signifies wave length of coil. For use with 140 or 150 mmfd. tuning condenser.

**D9560—Broadcast Coil Kit. 2 Coils cover 190 to 550 meters. YOUR PRICE, Per Set** ..... **\$1.18**

**D9561—Shortwave Coil Kit. 4 Coils cover 9 1/2 to 217 meters. YOUR PRICE, Per Set** ..... **\$1.47**

## New Triple Tuned I. F. Transformers



Greater High Fidelity with Increased Selectivity and Sensitivity.

456 Kc.

**C9786—Input. C9787—Output. List Price, \$3.00. YOUR PRICE** ..... **\$1.76**

EACH

Flat top selectivity curve permits reception over the complete audio range—no cutting of side bands yet positive 10 Kc. separation. Twice the selectivity of a Double Tuned stage. Windings are each individually tuned. Adjusting trimmers are at side of coil can. Frequency range variable from 360 to 480 Kc. Metal shield 2" square by 5" high. Spade bolt mounts. Diagram included.

## Meissner Oscillator Coils

Will operate in all types of oscillator circuits. Covers the broadcast band of 190 to 550 meters (540-1580 Kc.) when used with 365 Mmf. tuning condenser. Careful design assures uniform oscillation over entire band. Thoroughly impregnated. Shielded coils are in cans 1 1/4" diameter x 1 1/4" high.



Stock No.	I.F. Freq.	Use Padder	List Price	Your Price
C9753	175	900 mmf.	\$1.10	65¢ Each
C9754	455	350 mmf.		

### Shielded

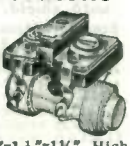
Stock No.	I.F. Freq.	Use Padder	List Price	Your Price
C9755	175	900 mmf.	90¢	53¢ Each
C9756	282	685 mmf.		
C9757	370	500 mmf.		
C9758	455	350 mmf.		

### Unshielded

Stock No.	I.F. Freq.	Use Padder	List Price	Your Price
C9759	175	900 mmf.		
C9760	282	685 mmf.		
C9761	370	500 mmf.		
C9762	455	350 mmf.		

## Unshielded I.F. Replacement

Used in midget and compact receivers. Has molded plastic trimmer base and supporting dowel. May be used to replace either input or output I.F. transformer. Double tuned for 456 Kc. Size, 1 1/4" x 1 1/4" x 1 1/4" High. **C9785—List, \$1.25. YOUR PRICE** ..... **73¢**



## Carron Wave Traps

Can be attached to any radio and adjusted for maximum efficiency in elimination of cross modulation, code interference, blanketing by powerful nearby stations. Broad tuning and many other kinds of interference. Screwdriver adjustment. Coil and trimmer housed in 1 1/4" x 1 1/4" shield can with ear lug mounting. **D9750—Covers 1600 to 2000 Kc. D9751—Covers 1400 to 1600 Kc. D9752—Covers 400 to 500 Kc. List Price, \$1.50. YOUR PRICE, Each** ..... **59¢**



## Primary Replacement Windings

For Antenna or R.F. Coils. Slip over type a high impedance silk covered enamel wire windings for replacing burned-out antenna and R.F. primaries. Defective primary section is removed from original coil and primary replacement collar slides in place.

Stock Numbers	RF	Inside Dia.	Price Each
D9666	1.7 Mh. 3.5 Mh.	1 1/4"	
D9667		1 1/2"	
D9668		1 3/4"	
D9669		1 1/2"	
D9670		1 3/4"	
D9671		1 1/2"	
D9672		1 3/4"	
D9673		1 1/2"	
D9674		1 3/4"	
D9675		1 1/2"	
D9676		1 3/4"	
D9677		1 1/2"	
D9678		1 3/4"	
D9679		1 1/2"	
D9680		1 3/4"	

**21¢**

## Dowel Type Windings

Fits inside coil form. Particularly adapted for use where the "slip-over" type cannot be used. 1.7 Mh. Antenna winding for use with sets having a regular antenna; 2.25 Mh. for sets with a short "hank" or AC-DC antenna.

Stock Num.	Coil Dowel	2.25 MH Stock Num.
C9600	1 1/2 x 1 1/2	C9603
C9601	1 1/2 x 1 1/2	C9604
C9602	1 1/2 x 1 1/2	C9605

## R.F. Type

**C9606—1 1/2" dia. x 1 1/2" long. 3.5 MH C9607—1 1/2" dia. x 1 1/2" long. 7.5 MH C9608—1 1/2" dia. x 1 1/2" long. 7.5 MH YOUR PRICE** ..... **21¢**  
Any Type Above, Each, .... **21¢**  
\*Must be shunted with a 15 or 20 mmf. condenser for best performance.

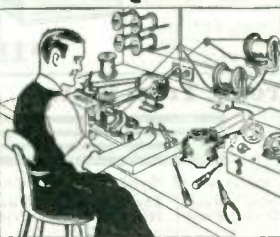


## Replacement I. F. Windings

Designed particularly for replacement use in small cheap midget sets to help hold down repair costs. Adjustable coupling. \*Center tap on secondary winding may be disregarded when not needed.

Stock Num.	I.F. Freq.	Type IF	Your Price
D9681	456	Input	
D9682	456	Output CT*	Each
D9683	282	Input	41¢
D9684	175	Input	

## Coil Repair and Renewal Service



### Send Defective Coil And Requested Information

Send original defective coil with following information: Receiver name and model, state bands covered, number and types of tubes used and number of sections in gang condenser. If coil is shielded, include shield. If the coil you send is identified as a regularly stocked item we will immediately ship an exact duplicate at the lowest dealer price.

## Antenna, R.F., I.F., and Oscillator Coils Guaranteed Performance

In practically every instance the defective coil will be checked against and rebuilt according to the original manufacturer's specifications. This special engineering service insures receiving an exact duplicate of the original. We guarantee that the remanufactured coil will be returned to you in perfect working condition and with electrical characteristics exactly like the original. Most remanufactured coils will give performance far superior to the original.

Price List			
R. F. Antenna and single section I.F. coils.	KX11959—		
<b>YOUR PRICE</b> ..... <b>\$1.45</b>			
Double Section I.F. Coils	KX11960—		
<b>YOUR PRICE</b> ..... <b>\$1.75</b>			
Combination Oscillator and I.F. Coils (Composite).	KX11961—		
<b>YOUR PRICE</b> ..... <b>\$1.95</b>			



## Meissner Replacement Coils

### Plastic I. F. Transformers

A compact high quality double tuned I.F. of a new type construction that is not affected by temperature or humidity. Windings are thoroughly impregnated with special loss compound. Dowel and trimmer bases are of molded plastic. New type "floating" trimmer construction practically eliminates drift. May be peaked at any point within exceptionally wide frequency range. Aluminum can size 1 1/2" square x 2 1/4" high. Mtg. Ctrs. 1 1/2".



Stock Number		Peak Kc.	Freq. Range
In put	Out put		
C9613	C9617	C9638	175 140-200
C9614	C9618	C9639	262 200-310
C9615	C9619	C9640	370 305-480
C9616	C9637	C9642	456 400-550

YOUR PRICE, Each ..... **73c**

### Iron Core Ferrocarril I.F. Transformer



Provide improved performance. Lateral coil windings on an iron core of microscopically fine particles, individually insulated, have reduced core and winding losses to a minimum. Gain is twice that of the air core types. Selectivity is so improved that receivers having normally poor separation can be converted into receivers having positive 10 kc. separation or better. Only one I.F. in an old receiver need be replaced. In all cases, use of these I.F. transformers as replacement, will give results far superior to those obtained from the original unit. Microphonic noises are eliminated. Gain is doubled. Signal is increased. Complete instructions and recommendations for circuit improvements are included. Complete shielding prevents dust particles, etc., from shorting trimmer condensers. Double tuned mica compensators. Dimensions of shield: 1 1/2" square x 3 1/4" high.

With Mica Tuned Trimmers

Stock Num.	Freq. K. C.	Operating Extremes	Position In Set
K9690	175	127-206	Input
K9691	175	144-320	In-stage
K9692	175	127-206	Output
K9694	456	360-600	Input
K9695	456	360-600	In-stage
K9696	456	360-600	Output
K9697	456	360-600	Output C.T.
C9688	1500	1050-2000	Imp-Intstage
C9689	1500	1050-2000	Output

List Price, \$2.25. **YOUR PRICE, EACH ... \$1.32**

We can supply any Meissner product at usual discounts. Send us your order. Shipment will be made promptly.



### New Instruction Manual

168 pages of invaluable information and data for Servicemen, Amateurs, Experimenters and Custom Set Builders. Includes technical data—detailed wiring instructions—pictorial diagrams—schematics—alignment data—operating instructions and a host of new and up-

### Compact High Impedance Antenna and R.F. Coils



A new series of compact high impedance Litz wound coils. Covers the broadcast band 190-550 meters, when used with a .000365 mfd. (.00035) variable condenser. We recommend that a complete set of coils be replaced in a receiver in order to obtain maximum efficiency. Coils are precision machine wound and use the best of materials. Thoroughly impregnated and impervious to moisture. Will efficiently replace the broadcast band coils of practically any receiver. Compact size allows use of these coils in even the smallest set. These coils can be readily substituted for the old Type Enamel Wire Wound Coils and will furnish approximately 20 per cent higher gain and increased selectivity over the broadcast band. Coils are wound on 1/4" dia. forms 1 1/2" long.

**Shielded Type**  
Shield Size 1 1/2" Diameter x 2" High.  
Spade Bolt Mounting Centers 1 1/2".  
C9774—Antenna Coil  
C9775—R. F. Coil  
YOUR PRICE, Each..... **41c**

**Unshielded Type**  
C9778—Antenna Coil  
C9779—R. F. Coil  
YOUR PRICE, Each..... **32c**

### Adjustable Inductance Iron Core Ant. & R.F. Coils

An ideal replacement for coils in practically any broadcast receiver. Eliminates hard-to-get exact duplicates as these coils can be adjusted to accurately track with other coils in receiver. Size, 1 1/2" x 1 1/2" x 2 1/4". Mtg. Ctrs. 1 1/2".

Shielded		List Price	Your Price
Stock Number	Type Coil		
C9714	Antenna		<b>\$1.32</b>
C9715	Radio Freq.	\$2.25	
C9717	Oscillator		<b>Each</b>
Unshielded		List Price	Your Price
C9761	Antenna		<b>88c</b>
C9762	Radio		
	Frequency	\$1.50	
C9763	Oscillator		<b>Each</b>

### Iron Core Ant. & R.F. Coils



New iron core antenna and R.F. coils for use as replacements and for modernization of old radios. The higher gain and increased selectivity of these coils will improve broadcast reception. Iron core and internal windings on these coils produce a very compact unit. Designed to cover the broadcast band with a .000365 Mfd. (.350 to 370 Mmfd.) condenser. Size 1 1/2" square x 2 1/4" high. 1 1/2" Mtg. Ctrs. Complete instructions and recommendations for improving old radios are included. High impedance type.

Stock Number	Type Coil	List Price	Your Price
K9710	Antenna		<b>\$1.18</b>
A9715	Inter. R.F.	\$2.00	
K9712	Det. R.F.		<b>Each</b>

to-the-minute information on radio. Sixteen pages are devoted to a discussion of the principles of Television of modern coil design, how to select proper coils for many purposes, design factors governing their use, how to locate and remedy trouble in them, etc. Contains detailed building and operating instructions, with pictorial and schematic diagrams, for every unit in the entire line of Meissner kits.  
**C12541**  
YOUR PRICE ..... **48c**

## Carron Replacement Coils

### Midget Antenna and RF Coils



Best quality. Furnished in broadcast type coreing 1550-510 Kc. with 360 Mmfd. tuning condenser and also broadcast type with tap to cover police broadcasts. Universal progressive Litz wire wound secondary with high impedance primaries. Polystyrene impregnated 1/2" x 1 1/2" coil forms.

Unshielded Type		List Price	Your Price
Stock Num.	Coil Type		
D9517	Antenna	55c	<b>32c</b>
D9519	RF	55c	

**With Tap for Police Broadcasts**  
D9520 Antenna 70c  
D9521 RF 70c **41c**

**Shielded Type without Tap**  
Shield can size, 1 1/2" x 1 1/2" high.  
D9523 Antenna 70c  
D9524 RF 70c **41c**

### Two and Three Band Coils

Designed for use with I.F. frequency of 455/456 K.C. Two Band Coils require Tuning condenser of 360-370 mfd. Unshielded types are less trimmers and use 2 gang condenser. Shielded types have trimmers and may be used with either 2 or 3 gang condenser. Shield size 2" sq. x 3" high Spade Lug mtg.

**Two Band Coils**  
540 to 1500 K.C.—1500 K.C. to 5.6 M.C.  
Shielded Unshielded

Stock No.	Used as	Stock No.
E9631	Antenna	E9634
E9632	Oscillator	E9635
E9633	Interstage	
550 to 1600 K.C.—5.8 to 18.7 M.C.		
E9643	Antenna	E9646
E9644	Oscillator	E9647
E9645	Interstage	

Price, Ea; **\$1.32** Price, Ea; **88c**

**Three Band Coils**  
Three band coils use 2 or 3 gang tuning condenser of 440 mfd. 2" sq. x 4" H. shield can has trimmers on side. Spade Lug mtg.  
540 to 1600 K.C.—1.6 to 5.6 M.C.—

Stock No.	Used as	Price
E9622	Antenna	<b>\$2.35</b>
E9623	Interstage	
E9624	Oscillator	

### Pee-Wee Coils

D9525—Antenna.  
D9526—RF Coil.  
List Price, 55c.  
YOUR PRICE, **32c**

Universal progressive secondary windings of Litz wire and high impedance primaries result in exceptionally compact, high gain coils. Wound on 1/2" x 1 1/2" polystyrene treated forms. Coils cover 1550-540 Kc with 360 mfd. tuning condenser.

### Oscillator Coils

Wound on ceramic form and fully impregnated. 1750-550 Kc. type usually employs a 410 Mfd. condenser in RF stages, 1550-540 type uses 365 Mmfd. condenser in RF.

Stock Num.	IF Freq.	Tuning Range*	List Price	Your Price
D9527	455/8	1550-540	75c	
D9528	455/6	1750-550	75c	<b>44c</b>
D9529	262	1550-540	75c	
D9530	175	1550-540	75c	<b>Each</b>

### Standard IF Transformer

Designed for general replacement and new set construction. Coils are wound on polystyrene impregnated dowels with finest silk insulated wire. Litz wire is used on the 455/6 Kc. IP's. All coils feature dehydrated - finish dipped windings, lead spacers to prevent loss of gain and instability. Insulated can liners assure freedom from shorts or leakage. Standard spade bolt mounting. Can size 1 1/2" x 1 1/2" x 3 1/2".

Stock Num.	IF Freq.	Position In Set
D9531	455/6 Kc.	Input
D9533	455/6	Interstage
D9534	455/6	Output
D9535	455/6	C. T. Out.
D9537	262 Kc.	Imp./Int.
D9538	262	Output
D9539	175	Imp./Int.
D9546	175	Output

List Price, \$1.50. **YOUR PRICE, Each..... 88c**

**Midget I.F. Transformers**  
Same specifications as standard I.F. transformers above except are smaller in size. Dimensions overall 1 1/2" x 1 1/2" x 2 1/4". For frequency of 456 K.C. 5.2 to 18.3 M.C.

Stock Number	Position In Set	Your Price
E9700	Input	
E9701	Interstage	<b>73c</b>
E9702	Output	<b>Each</b>

### Midget Iron Core I.F.

E9703	Input	
E9704	Output	<b>\$1.03</b>
E9705	Interstage	<b>Each</b>

### Frequency Modulation IF Transformers

Construct your own FM receiver around these IF coils. Receiver circuit diagram is included with data on winding your own RF and oscillator coils. These transformers operate at 4300 Kc. for minimum image interference. Circuits are resistance loaded so that a flatter response curve results. This reduces transient effects caused by the rapidly changing frequency and also provides a wide acceptance band at the nose of the curve. Shield can, size 1 1/2" x 1 1/2" x 2 1/4" high.

Stock Num.	Type	List Price	Your Price
D9551	1st I.F.	\$2.00	<b>\$1.18</b>
D9552	2nd I.F.	2.00	
D9553	3rd I.F.	2.00	<b>Each</b>
D9554	Discriminator	2.25	<b>\$1.32</b>

### Low Loss Discriminator

Low loss discriminator for use with above IF's. Recommended where high stability of operation over a long period of time is essential. Includes ceramic air tuned secondary, ceramic forms, silver mica coupling condenser and DC return choke. Size 2 1/2" x 3 1/4".

**D9557—List Price, \$4.50. \$2.65**  
YOUR PRICE

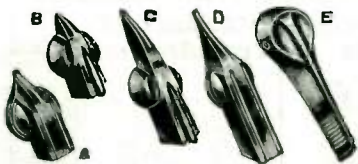
### Pre-Selector Coil Unshielded Type

Improved construction. Meets 80% of pre-selector coil service requirements. Tunes 1750 to 550 Kc. with 410 Mfd. tuning condenser. 3 Pie-wound coils on 1 1/2" x 1 1/2" dowel. Single screw mounting. No terminal connections. Fully impregnated against moisture absorption.  
**D9558—List Price, \$1.25. 73c**  
YOUR PRICE





## Bakelite Bar Knobs



New streamlined design. 2" Bar knobs have slightly shorter tail than the 2 1/2" knobs. \*Made of Plaskon, Metal Insert and Pointer.

Stock Number	Type	Color	Size	Your Price	Ten For
C11375	A	Black	1 1/4"	6c	54c
C11373	A	Red	1 1/4"	6c	72c
C10952	A	Green*	1 1/4"	9c	82c
C10953	A	Yellow*	1 1/4"	9c	82c
C10955	A	Blue*	1 1/4"	9c	82c
C10950	B	Black	1 1/4"	6c	54c
C10984	B	Walnut	1 1/4"	7c	63c
C10951	B	Ivory*	1 1/4"	9c	82c
C10956	C	Black	2 1/4"	7c	63c
C10985	C	Walnut	2 1/4"	8c	72c
C11377	D	Black	2 1/4"	7c	63c
C11374	D	Red	2 1/4"	9c	82c
C10900	E	Black	1 1/4"	10c	91c
C10901	E	Black	1 1/4"	12c	\$1.10
C10902	E	Black	2 1/4"	11c	99c
C10903	E	Black	2 1/4"	14c	\$1.25

## Walnut Knobs

Finest Quality. Rich Looking

Turned out of solid end grain genuine Walnut. All one piece. Finely finished. Solid brass bushing with set screw. Fit 1/4" shafts including those with flattened side for push-on knobs.



Stock Number	Type	Size Dia. x Ht.	Your Price
A11393	A	1" x 3/4"	<b>10c</b>
A11392	A	1 1/4" x 3/4"	
A11391	B	1 1/4" x 3/4"	
A11390	B	1 1/4" x 3/4"	
A11395	C	1 1/4" x 3/4"	<b>Ten for 95c</b>
A11394	C	1 1/4" x 3/4"	
A11397	D	1 1/4" x 3/4"	
A11396	D	1 1/4" x 3/4"	
A11389	E	1 1/4" x 3/4"	<b>Knobs may be Assorted</b>
A11388	E	1 1/4" x 3/4"	
A11387	E	1 1/4" x 3/4"	
A11386	E	1 1/4" x 3/4"	

## Bakelite Knobs



## Type A Fluted Pointer Knobs

For use with dial plates listed above at right. Black color.

With Pointer	Your Price	Fits Plate	Dia.	Less Pointer	Your Price
E11082	32c	2"	1 1/4"	E11134	26c
E11132	44c	3 1/4"	1 1/4"	E11135	35c
E11133	50c	4"	2 1/4"	E11138	41c
Stock Num.	Type	Color	Size In. D x W	Your Price	Ten For
E11431	B	Walnut	1 1/4" x 3/4"	6c	54c
E10960	B	Black	1 1/4" x 3/4"	6c	54c
E11432	C	Walnut	1 1/4" x 3/4"	6c	54c
E10961	C	Black	1 1/4" x 3/4"	6c	54c
E10962	C	Ivory	1 1/4" x 3/4"	7c	63c
E10963	C	Walnut	1 1/4" x 3/4"	7c	63c



Stock Number	Type	Color	Size In. D x W	Your Price	Ten For
E10974	E	Walnut	1 1/4" x 3/4"	11c	\$1.08
E10975	E	Walnut	1 1/4" x 3/4"	12c	1.15
E10982	F	Black	1 1/4" x 3/4"	10c	.95
E10983	F	Black	1 1/4" x 3/4"	10c	.95
E11379	G	Walnut	1 1/4" x 3/4"	12c	1.08
E11376	H	Black	1 1/4" x 3/4"	11c	1.04
E11381	H	Black	1 1/4" x 3/4"	12c	1.15

All knobs fit 1/4" shaft. Set Screws Included.

## Instrument Dials

## With Marker

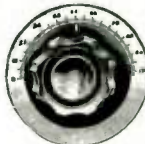
Chrome-silver finished dial plates with attractive black engraved numerals. Calibrated 0-100. Heavy black bakelite finger grip knob is attached to plate. Vernier marker mounts on knob and accurately indicates dial setting. Knob fits 1/4" shafts. Ideal for test instruments, radios, transmitters, etc.



2 1/2" Dial A11061-180 Deg. A11062-325 Deg. YOUR PRICE, EA. \$1.09  
4" Dial A11063-180 Deg. A11064-325 Deg. YOUR PRICE, EA. \$1.47

## Dial Plates and Flange Knobs

Chrome silver dial plates with accurately engraved black numerals. Calibrated 0-100 over either 180 or 325 degrees. Black bakelite flange type knobs have white indicating line and are knurled for positive grip. Knobs fit 1/4" shaft. Plate remains stationary.



Dial Plates Only	Deg.	Dial Dia.	Your Price	Use Flange Knob	Knob Dia.	Your Price
C11072	180	2"	41c	Use 1 1/4" bar knob or knob below.		
C11073	325	2"	41c			
C11074	180	3 1/4"	65c	C11080	2 1/4"	41c
C11077	325	3 1/4"	65c	C11080	2 1/4"	41c
C11078	180	4"	74c	C11081	3"	47c
C11079	325	4"	74c	C11081	3"	47c

## Cro-Plastic Knobs

Made of molded tenite. Attractive professional appearance. Fluted rim gives positive grip. Available in black, ivory and red. Solid brass bushings with set screw.

Type A. Plain Fluted Knob.

Stock Numbers			Knob Dia.	Your Price
Black	Ivory	Red		
E13210	E13211	E13212	1- $\frac{1}{8}$ "	18c
E13213	E13214	E13215	1- $\frac{1}{4}$ "	21c
E13216	E13217	E13218	2- $\frac{1}{8}$ "	32c

Type B. Fluted Knob with Transparent Pointer.

E13219	E13220	E13221	1- $\frac{1}{4}$ "	27¢
E13222	E13223	E13224	1- $\frac{1}{4}$ "	29¢
E13225	E13226	E13227	2- $\frac{1}{4}$ "	44¢

Type C. Fluted Knob with Flange.

Stock Numbers	Black	Ivory	Red	Knob Dia.	Flange Dia.	Your Price
E13228	E13229	E13230	1-1/4"	2-1/4"	3"	35c
E1331	E1332	E1333	2-1/4"	3"		47c

## Bakelite Vernier Dials

Unexcelled for short wave receivers, test instruments, etc. Made of polished bakelite. Easy to mount. Smooth operation with no backlash and no gears to strip. Size 4" for 180 degree clockwise or counter clockwise rotation. Fit 1/4" shafts.



C10629-Black. C10633-Brown. YOUR PRICE, Either type. 76c

## Bakelite Test Case

K12351- YOUR PRICE .. 69c

Polished brown bakelite has beveled bakelite top plate mounting with two insulated screws. Size of case 4 1/2" x 2 1/2" x 1 1/2". Inside depth 1 1/2". Supplied with six 1/4" holes for small pin jacks, or wires.



## Crowe Etched Name Plates

OSCILLATOR

## YOUR PRICE

Each... 9c  
Improves appearance of any control panel. Anodized aluminum finish, silvery white background with black letters. Size 1/2" x 1/4". Complete with self tapping screws.

Stock Num.	Markings	Stock Num.	Markings
C13360	AC Voltage	C13377	Ground
C13361	Amplifier	C13378	Input
C13362	Antenna	C13379	Key
C13363	Antenna Tuning	C13380	Microphone
C13364	Beam Antenna	C13381	Off-On
C13365	Beat Osc.	C13382	Oscillator
C13366	Bias Voltage	C13383	Output
C13367	Buffer	C13384	Phone-CW
C13368	1st Buffer Grid	C13385	Plate Current
C13369	2nd Buffer Grid	C13386	Power
C13370	3rd Buffer Grid	C13387	Phone-CW
C13371	1st Buffer Plate	C13388	Radio
C13372	2nd Buffer Plate	C13389	Receive
C13373	3rd Buffer Plate	C13390	Record
C13374	Class A Modulator	C13391	Screen Current
C13375	Class B Modulator	C13392	Selector
C13376	Coupling	C13393	Send
C13377	Crystal	C13394	Speaker
C13378	Crystal Osc. Grid	C13395	Transmitter
C13379	Crystal Osc. Plate	C13396	Tone
C13380	DC Voltage	C13397	Volume
C13381	Fader	C13398	500 O. Input
C13382	Grid Current	C13399	500 O. Output

## 1" Round Name Plates

Has 7/8" hole for jacks or switches. Made of brass with raised nickel plated letters and etched black satin finish background. C13357-Marked "Microphone" 12c Each  
C13358-Marked "Phone"  
C13359-Marked "On-Off"

## Vernier Dial

Attractive vernier dial for test instruments, short-wave radios, etc. 5 to 1 Vernier ratio friction type drive. Transparent marker. Brightly finished brass dial plate has deeply etched black numerals marked 0-100 in 180°. With knob. C10627-2 1/2" Dia. Dial. YOUR PRICE \$1.18  
C10631-4" Dia. Dial. YOUR PRICE \$1.47

## Indicating Plates

## Etched Metal

Heavy 24 gauge plates with Black Background — Polished Metal Raised Markings. For use with 1 1/4" pointer knob. All have "off" in lower left hand corner except (\*)

YOUR PRICE, Any Type Below, Each. 12c

Size 1-15/16" Wide x 2-1/16" High

Stock Num.	Working at Top of Plate	Working at Bot. of Plate
D10670	Microphone	Volume Control
D10673	Phono-Radio	Volume Control
D10675	Master Tone Control	Power Switch
D10676	Microphone	Current Control
D10679	Tone Control	Power Switch
D10680	Power	Supply

Size 1-13/16" Wide x 1-7/8" High

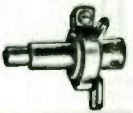
Stock Num.	Microphone	Volume Control
D10690	Phonograph	Volume Control
D10692	Tone Control*	Treble
D10693	Tone Control*	Bass
D10694	Tone Control*	Power Switch
D10695	Tone Control	Expansion
D10696	Compression	A. V. E.
D10697	Volume Indicator	A. V. C.
D10698	Monitor Volume	

Switch Plates YOUR PRICE, Any Type Below, Each... 9c

Match above indicating plates. D10689-PHONO-RADIO for Toggle Switch. D10700-ON-OFF for Toggle Switch. D10701-MIC-PHONO for Midget Slide Switch. D10702-ON-OFF for Midget Slide Switch.

## Planetary Vernier Drive Unit

D13585-Dual ratio, 7 to 1 vernier and 1 to 1 direct. Each drive has separate knob. Unit mounts on control shaft behind panel. Drive shaft projects thru panel. \$132  
YOUR PRICE... 18c  
D13586-Black bakelite knobs for above, per pair. YOUR PRICE...





# DIALS AND DIAL REPAIR PARTS

## Attractive Designs - Improved Construction

Improved model dials for all-wave and broadcast receivers. Dials have smooth friction or cable drives. No backlash. Cadmium plated frames. Fits  $\frac{3}{8}$ " condenser shaft but supplied with reducer bushings for use with  $\frac{1}{4}$ " shafts. All dials include Escutcheon plate and pilot lamp sockets.

### Airplane Dials



Airplane type dials with peach colored translucent dial scales. Upper scale is marked 0-100 with clockwise rotation. Lower scale is marked 0-100 counter-clockwise. Dial is 2 1/2" in diameter. Smooth friction type drive. Has glass protected dial face. Attractive antique bronze escutcheon.

friction type drive. Has glass protected dial face. Attractive antique bronze escutcheon.

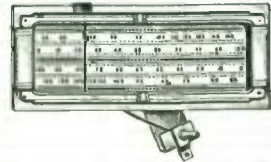
**Giant 5" Dial**  
A10645—Has 6" Escutcheon and 14 to 1 ratio drive. **\$171**  
YOUR PRICE

**4" Airplane Dial**  
A10632—4" Escutcheon. 10 to 1 ratio drive. **\$129**  
YOUR PRICE

**3 1/2" Airplane Dial**  
A10630—4" Escutcheon. 6 to 1 ratio drive. **\$109**  
YOUR PRICE

**2 3/4" Airplane Dial**  
A10628—2 3/4" Square Escutcheon. 6 to 1 ratio drive. **85¢**  
YOUR PRICE

### Slide Rule Dials



Beautiful new slide rule dials. Long scale lengths make tuning easier. Has four separate calibrations: 55 to 150, 0 to 100, 100 to 0 and 150 to 55. Attractive antique bronze finished escutcheons. Dial scale is protected by unbreakable clear celluloid lens. Dials have flexible shaft couplings to compensate for any misalignment of condenser mounting. Smooth cable drive.

**Giant 11" Dial**  
A10636—11"x4" Escutcheon. 9 1/4" x3" Dial scale. 10 to 1 ratio. **\$441**  
YOUR PRICE

**8 1/2" Wide Dial**  
A10637—8 1/2" x 4 1/4" Escutcheon. 7 3/4" x4" Dial scale. 10 to 1 ratio drive. **\$306**  
YOUR PRICE

**6 1/2" Wide Dial**  
A10638—6 1/2" x 2 1/2" Escutcheon. 5 to 1 ratio drive. **\$229**  
YOUR PRICE

### Two Position Slide Rule Dial

A10635  
YOUR PRICE **\$188**



New compact slide rule dial suitable for midjet type radios. Dial readings are 0-100 and 100-0 for either clockwise or counter-clockwise rotation. Dial is calibrated at an angle to permit mounting in either vertical or horizontal position. Sturdy bronze escutcheon measures 1 1/2"x4 1/2" overall. 4 to 1 ratio cable drive.

### Victor R-32 Pilot Lamp



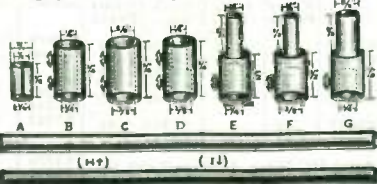
American Made  
110 Volt, 10 Watt  
Especially for Victor R-32 and Colonial Receivers. May also be used in continuity tests to indicate open or short circuits. Intermediate base. Sprayed white.

C10598—EACH **15¢**  
Ten for \$1.35

### Shaft Couplings, Reducers, Extenders

#### Brass and Fibre Shafting

Machined brass fittings for coupling shafts of uniform or dissimilar diameter; for extending rheostat, volume control or switch shafts. Extension fittings are furnished to expand or reduce shaft diameter. Shafting is available in brass or fibre.



Stock Number	Style	Length	Description	Your Price
K11785	A	3/4" Long	3/4" Hole I.D. 3/4" O.D. Dial Bushing	5¢
K11786	B	3/4" Long	3/4" Hole I.D. 3/4" O.D. Coupling	12¢
K11787	C	3/4" Long	3/4" Hole I.D. 3/4" O.D. Coupling	12¢
K11788	D	3/4" Long	3/4" Hole I.D. 3/4" O.D. Coupling	12¢
K11789	E	1-1/4" Long	3/4" Hole I.D. 3/4" O.D. Extender	12¢
K11790	F	1-1/4" Long	3/4" Hole I.D. 3/4" O.D. Reducer	12¢
K11791	G	1-1/4" Long	3/4" Hole I.D. 3/4" O.D. Reducer	12¢
K11792	H	6" Long	3/4" Diameter Brass Shafting	12¢
K11793	I	12" Long	3/4" Diameter Brass Shafting	24¢
K11794	J	6" Long	3/4" Diameter Fibre Shafting	12¢
K11795	K	12" Long	3/4" Diameter Fibre Shafting	18¢

### Dial Belt Kits

Complete assortment of dial belts containing a replacement for practically any radio. Each assortment housed in attractive baked wrinkle finish 24 gauge steel cabinet, size 6 1/2"x4 1/2"x13 1/4". Includes measuring device and replacement chart. Cabinet will hold up to 100 belts.

D15295—Kit of 25 asstd. **\$403**  
YOUR PRICE  
D15296—Kit of 50 asstd. **\$779**  
YOUR PRICE  
D15297—Kit of 100 asstd. **\$1470**  
YOUR PRICE

### Dial Drive Springs



D4254  
Kit of 25 Assorted  
Your Price **59¢**

A new kit of hard to get dial drive tension springs. Six assorted sizes that will take care of all dial repairs. Every service man should have a kit of these springs. Springs are cadmium plated. Packed in a neat box.

### Push-On Knob Springs



D4251  
Kit of 35 Assorted  
List, 60¢  
Your Price **35¢**

At last!—that hard-to-get item that Radio Men have needed! These push-on knob springs are put up in an assortment of various types needed for all knobs. Spring knobs that are used in Majestic, RCA, Philco, General Electric, etc. This kit will come in handy to replace those lost or broken springs. Every Serviceman needs a kit.

D4252—Kit of 100 Springs.  
List Price, \$1.25.  
YOUR PRICE **73¢**

### Radio Knob Felts

D4256—Box of 25 Felts. For use behind Radio Knobs to prevent rubbing and scratching cabinets.  
YOUR PRICE **18¢**

### Set Screw Assortment



Headless set screws for replacement use in all types of knobs, shaft couplings, etc. Bottom of screw is in cup form to provide a firm grip. Kit includes screws in 13 sizes of 6/32, 8/32, and 10/32. Lengths 1/4" to 1/2". In metal case.

D4154—Kit of 100.  
YOUR PRICE **97¢**

D4153—Kit of 50.  
YOUR PRICE **53¢**

### Set Screws

C11910—6/32x 1/4" L. } Any Type  
C11912—8/32x 1/4" L. } Ten for  
C11913—10/32x 1/4" L. } **11¢**

### Dial Drive Rubbers



Especially designed for a practically all Atwater-Kent, R. C. A., Stewart-Warner, Emerson, Kennedy and others.

C4150—25 Assorted.  
YOUR PRICE **88¢**

### Bronze Dial Cable



B4239—5 Ft. Length. **19¢**  
PRICE, EACH  
D4240—25 Ft. Spool. **69¢**  
YOUR PRICE, EACH  
D4241—50 Ft. Spool. **\$1.32**  
YOUR PRICE, EACH

Right size, flexibility, and strength for any make drum dial. Six individual cables each consisting of seven fine strands of phosphor bronze wire are scientifically braided together and around a strong center fibre cord making a cable 3/8" diameter. Best quality cable made.

**Braided Bronze Dial Cable**  
16 number 36 bronze wires braided over strong linen thread center.  
B4243—25 foot coil **50¢**  
B4244—50 foot coil **97¢**  
B4245—100 foot spool **\$1.85**

### Linen Dial Cable

Strong extra thin linen cable tightly braided. Dia. approx. .024".  
D4195—5 foot coil. **12¢**  
YOUR PRICE  
D4196—25 foot spool. **44¢**  
YOUR PRICE  
D4197—100 foot spool. **\$1.53**  
YOUR PRICE

**Medium Weight Linen Cable**  
Made of neat linen. Tightly braided. Tensile strength 150 lbs. Diam. Approx. .03".

A4250—5 foot. **19¢**  
YOUR PRICE  
D4246—25 foot spool. **67¢**  
YOUR PRICE  
D4247—100 foot spool. **\$2.35**  
YOUR PRICE

### Heavy Linen Cable

Tensile strength 200 lbs. Used on Philco and Brunswick receivers and many other sets. Diam. Approx. .04".  
K4248—25 foot spool. **78¢**  
YOUR PRICE

### Dial Cable Kit



D4242—Your Price Per Kit **\$2.30**

Kit contains: Four 25 ft. spools of popular type Dial Cable; 25 ft. 42 strand Bronze, 25 ft. Special Thin GE-RCA Cable, 25 ft. Light Linen Cable, and 25 ft. Heavy Linen Cable. With this Kit you are supplied FREE an assortment of Eyelets and Clamps for making of Eyelets and Clamps. The contents are put up in a neat box that will make a permanent container for the Dial Cable Spools.

### Eyelet and Clamp Asst.



D4151—YOUR PRICE **17¢**

Contains 50 assorted eyelets and clamps same as used on ready made dial cables. Make your own cables and save time.

D4152—Cable Eyelet Tool. Consists of base which may be inserted in vise and punch for turning small rivets and eyelets.  
YOUR PRICE, Per Set. **36¢**

### Dial Drive Rubber

For repairing complete dial assemblies in many Atwater-Kent, and Stewart-Warner receivers. Made of rubber. Size, 3/8" dia., 1/4" thick.  
C4149—10 for 59¢  
YOUR PRICE, EACH **10¢**

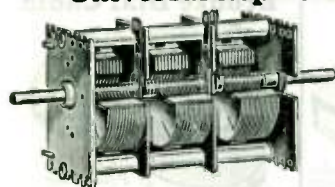


# Replacement CONDENSERS Transmitting

## Universal Replacement Variable

### Condensers

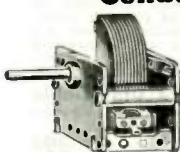
With Shaft Out of Both Ends and With Reversible Trimmers



Heavy aluminum plates. High end shields. steel, cadmium plated. Compact Size. End plates  $3\frac{1}{2} \times 3\frac{1}{2}$  inch. Length: 2 section  $2\frac{1}{2}$  inch. 3 section  $3\frac{1}{2}$  inch.  $\frac{1}{8}$  inch diam. 1 inch long shafts. Capacity of each section is 375 Mmfd. maximum, 15 Mmfd. minimum.

C8954—2 Gang. **\$1.98** C8956—3 Gang. **\$2.64**  
YOUR PRICE.....

### One Gang Condenser



New bar type cadmium plated frame and shields. Universal mounting. End plates  $3\frac{1}{2} \times 3\frac{1}{2}$  inch. Heavy aluminum condenser plates. Low loss bakelite insulation.

$\frac{1}{4}$  inch shaft  $1\frac{1}{2}$  inch long. Ball bearing races. Condenser closes to right as illustrated increasing capacity clockwise.

Stock Num.	Mfn. Cap. Mmfd.	Cap. Mmfd.	Plates
C8975	5	140	9
C8973	9	370	19
C8974	10	450	23

YOUR PRICE..... **\$1.32**  
Each.....

### Midget Condensers



For use in circuits where a small, variable capacity is needed. Fine quality. Excellent design and construction.  $\frac{1}{4}$  inch shaft.  $\frac{1}{2}$  inch long. Mounts in  $\frac{1}{8}$  inch hole, on panel up to  $\frac{1}{8}$  inch thick. Overall size opened up,  $1\frac{1}{2} \times 1\frac{1}{2}$  inch.

Stock Num.	Num. Plates	Cap. Mmfd.	Mmfd.	Min.	Your Price
C8977	3	15	3.5		59¢
C8978	5	30	3.8		63¢
C8979	9	60	5.0		73¢
C8980	12	80	6.0		80¢
C8983	20	140	8.0		98¢

### Midget Trimmer



Extremely small;  $\frac{1}{4} \times \frac{1}{2}$  inch. Special treated alloy plates. Best mica dielectric. Capacity range 3 to 30 Mmfd.

C8917—Ceramic **18¢**  
Base.....  
C8918—Bakelite **15¢**  
Base.....

### Panel Bearing Assembly



For mounting Condensers, Volume Controls, etc., away from panel. For  $\frac{1}{4}$  inch shafts.

D13570—3" Long. Net 24¢  
D13571—6" Long. Net 30¢  
D13572—Bearing only. Net 12¢

## AUTOMATIC PUSH-BUTTON TUNERS

Push a button—there's your station—tuned in automatically and perfectly. No knob twisting, twirling or waiting. Station is tuned-in immediately as button is depressed. No motor is used. Tuner is not affected by receiver dial setting.

C10990—6 Push Buttons. List, \$5.50. **\$2.95**  
YOUR PRICE.....



A compact trimmer condenser unit for use with superhet receivers. Simple connections. Supplied complete with escutcheon, call letters, knobs and instructions.

C9680—Special antenna coil for use with above, required on radios having preselector stage using 3 gang condenser. **69¢**

YOUR PRICE, Each.....

## Solar Motor Starting Capacitors

Designed for Intermittent Use of 20 3 Second Starts Per Hour

For use on 105-120 volt 50-60 cycle AC only.

Dry Electrolytic condensers designed to exactly replace the original unit used for starting of Refrigerators and other motor driven equipment. The correct replacement condenser for practically any Electric Refrigerator

made can be selected by referring to the listing given below. When selecting replacement condenser required, be sure that the capacity of the original condenser is within 10% above or below the limits of the capacity ranges of the replacement condenser.



Stock Number	Solar Type	Type Case	Capacity Range	Size, Inches L x W x H	List Price	Your Price
E9291	DX-75	C	75-84	1- $\frac{1}{2}$ x 3- $\frac{1}{4}$	\$1.70	\$1.19
E9292	DX-97	C	97-107	1- $\frac{1}{2}$ x 3- $\frac{1}{4}$	1.70	1.19
E9293	DX-108	C	108-120	1- $\frac{1}{2}$ x 3- $\frac{1}{4}$	1.80	1.26
E9294	DX-124	C	124-138	1- $\frac{1}{2}$ x 3- $\frac{1}{4}$	1.90	1.37
E9297	DX-145	C	145-162	1- $\frac{1}{2}$ x 3- $\frac{1}{4}$	2.30	1.61
E9296	DX-15-135	C	145-162	1- $\frac{1}{2}$ x 4- $\frac{1}{2}$	2.20	1.54
E9299	DX-16-250	C	270-300	2x3- $\frac{1}{2}$	4.60	3.22
E9136	DX-2-80	C	80-96	2x4- $\frac{1}{4}$	2.85	2.00
E9137	DX-2-81	C	86-96	2- $\frac{1}{2}$ x 4- $\frac{1}{4}$	2.85	2.00
E9138	DX-2-100	C	108-120	2x4- $\frac{1}{4}$	2.90	2.03
E9139	DX-2-101	C	108-120	2- $\frac{1}{2}$ x 4- $\frac{1}{4}$	2.90	2.03
E9142	DX-2-115	C	124-138	2x4- $\frac{1}{4}$	3.00	2.10
E9140	DX-2-116	C	124-138	2- $\frac{1}{2}$ x 4- $\frac{1}{4}$	3.00	2.10
E9143	DX-2-135	C	145-162	2- $\frac{1}{2}$ x 4- $\frac{1}{4}$	3.40	2.38
E9144	DX-2-150	C	161-180	2- $\frac{1}{2}$ x 4- $\frac{1}{4}$	3.60	2.52
E9298	DX-2-250	C	270-300	2x4- $\frac{1}{4}$	4.70	3.29
E9135	DX-2-350	C	378-420	2x4- $\frac{1}{4}$	5.40	3.78
E9278	DX-3-80	B	86-96	3- $\frac{1}{2}$ x 3- $\frac{1}{2}$ x 2	2.55	1.79
E9275	DX-3-81	B	86-96	3- $\frac{1}{2}$ x 3- $\frac{1}{2}$ x 2	2.55	1.79
E9283	DX-3-82	B	86-96	4- $\frac{1}{2}$ x 3- $\frac{1}{2}$ x 1- $\frac{1}{2}$	2.55	1.79
E9279	DX-3-100	B	108-120	3- $\frac{1}{2}$ x 3- $\frac{1}{2}$ x 2	2.65	1.85
E9284	DX-3-101	B	108-120	4- $\frac{1}{2}$ x 4- $\frac{1}{2}$ x 1- $\frac{1}{2}$	2.65	1.85
E9276	DX-3-102	A	108-120	3- $\frac{1}{2}$ x 3- $\frac{1}{2}$ x 2	2.65	1.85
E9280	DX-3-115	B	124-138	3- $\frac{1}{2}$ x 3- $\frac{1}{2}$ x 2	3.00	2.10
E9285	DX-3-116	B	124-138	4- $\frac{1}{2}$ x 4- $\frac{1}{2}$ x 1- $\frac{1}{2}$	3.00	2.10
E9282	DX-3-135	B	135-162	3- $\frac{1}{2}$ x 3- $\frac{1}{2}$ x 2	3.40	2.38
E9282	DX-3-150	B	161-180	3- $\frac{1}{2}$ x 3- $\frac{1}{2}$ x 2	3.60	2.52
E9287	DX-3-151	B	161-180	4- $\frac{1}{2}$ x 4- $\frac{1}{2}$ x 1- $\frac{1}{2}$	3.60	2.52

## Solar High Voltage Transmitting Condensers



### Solar Types XQ and XM Mica Condensers

Best grade India mica dielectric and non-magnetic foil provides high breakdown voltage, low power factor and reduces losses. Moulded bakelite case. Accuracy  $\pm 10\%$ . Also available in low loss bakelite and higher tolerances at slightly higher prices.

600 DC Wkg. Volts—1000 Peak  
Type XQ (Lug) Type XM (Screw)

Stock Num.	Your Price	Cap. Mfd.	Stock Num.	Your Price
C9086	.36	.0001	C9155	.44
C9088	.36	.0005	C9157	.44
C9089	.36	.001	C9158	.44
C9091	.41	.002	C9159	.47
C9094	.50	.005	C9162	.62
C9097	.82	.01	C9165	1.00
C9099	1.12	.02	C9167	1.32

1200 DC Wkg. Volts—2500 Ph.

Stock Num.	Your Price	Cap. Mfd.	Stock Num.	Your Price
C9152	.50	.0001	C9170	.50
C9172	.50	.0005	C9188	.50
C9173	.65	.001	C9189	.65
C9174	.97	.002	C9190	.97
C9176	1.24	.005	C9192	1.24
C9179	2.00	.01	C9195	2.00

2500 DC Wkg. Volts—5000 Ph.

Stock Num.	Your Price	Cap. Mfd.	Stock Num.	Your Price
C9180	.65	.0001	C9196	.65
C9182	.88	.0005	C9198	.88
C9183	1.06	.001	C9199	1.06
C9184	1.59	.002	C9201	1.59
C9186	2.47	.005	C9202	2.41

### Oil Filled Condensers

Oil Filled and Impregnated. Extraordinary low power factor and high insulation resistance. Non-inflammable, non-oxidizable and has no flash or fire point. Glazed terminal insulators; bakelite insulators used on lower voltage types. Mounted in hermetically sealed metal containers.

### Type XLC In Rectangular Metal Container With Mounting Bracket

Stock Num.	Cap. Mfd.	Volts DC Wkg.	RMS	Your Price
E9235	2	600	440	\$3.00
E9236	4	600	440	3.88
E9241	2	1000	660	3.53
E9242	4	1000	660	4.41
E9245	2	1500	1000	4.41
E9246	4	1500	1000	6.00
E9251	2	2000	1500	4.59
E9252	4	2000	1500	6.35

### Type XC Stud Mounting

Lug pos. Can neg. Insulating washers included. Size,  $1\frac{1}{2}$  inch dia., 3 inch to  $4\frac{1}{2}$  inch.  $\frac{1}{2}$  inch Mtg. Stud.

Stock Num.	Cap. Mfd.	Volts DC Wkg.	RMS	Your Price
C9256	2	600	440	\$1.94
C9258	4	600	440	2.65
C9259	1	1000	660	1.76
C9260	2	1000	660	2.29
C9262	1	1500	1000	2.29



# Transmitting Tubes - Headphone Units

## Transmitting Tubes



R. C. A.

Type	Stock Num.	Class	Fil. V.	Plate Volts	Dis. Dls.	Service	Your Price
203A	C453	Tri.	10	1000	100	1.2	\$10.00
800	C462	Tri.	7.5	1250	35	1.2	10.00
801A	C461	Tri.	7.5	600	20	1.2	3.45
802	C464	Pent.	6.3	600	10	1.4	3.50
803	C454	Pent.	10	2000	125	1.4	28.50
804	C466	Pent.	7.5	1250	40	1.4	15.00
805	C467	Tri.	10	1500	125	1.3	13.50
806	C457	Tri.	5	3000	150	1.2	22.00
807	C458	Beam	6.3	600	25	1.5	3.50
808	C459	Tri.	7.5	1500	50	1.2	7.75
809	C477	Tri.	6.3	750	25	1.3	2.50
810	C455	Tri.	10	2000	125	1.2	13.50
813	C456	Beam	10	2000	100	1	22.00
814	C468	Beam	10	1250	50	1.5	17.50
833A	C469	Tri.	10	3000	300	1.2	85.00
852	C478	Tri.	10	3000	85	1	16.40
866A	C474	Rect.	2.5	See Foot Note			1.50
872	C470	Rect.	5	See Foot Note			9.00
874	E243	Voltage Regulator					1.65
1620	D511	Pent.	6.3	250		A.F.	2.75
1621	D512	Pent.	6.3	300		A.F.	2.75
1622	D513	Beam	6.3	300		A.F.	3.03
1651	D514	Pent.	6.3	300		A.F.	2.31
1623	C471	Tri.	6.3	7500	25	1.2	1.50
954	C486	Pent.	6.3	UHF Acorn			5.50
955	C487	Tri.	6.3	Type Tubes for			3.30
956	C489	Pent.	6.3	Receiving and			5.50
957	C472	Tri.	1.25	Low Power			3.30
958	C473	Tri.	1.25	Transmitting			3.30
959	C475	Pent.	1.25	Det. Amp.-Acorn			5.50

1—RF Osc., Buffer, Doubler, Amp.  
2—Class "E" Mod. 3—Zero Bias Class "E" Mod.  
4—Supp. Mod. Amp. 5—Class "AB" Mod.  
\*Max. Inv. Peak 10,000 V. Peak 1.0 Amp.  
\*Max. Inv. Peak 10,000 V. Peak 5.0 Amps.

## Raytheon

Type	Stock Num.	Class	Fil. V.	Plate Volts	Dis. Dls.	Uses	Your Price
RK12	C920	Tri.	6.3	750	25	1.3	\$2.50
RK20A	C901	Pent.	7.5	1250	40	1.4	15.00
RK23	C902	Pent.	2.5	500	10	1.4	4.50
RK25	C903	Pent.	6.3	500	10	1.4	3.95
RK28A	C904	Pent.	10	2000	125	1.4	28.50
RK34	C921	D.T.R.	6.3	300	10	1.2, 6	3.50
RK37	C906	Tri.	7.5	1500	50	1.2	6.35
RK38	C908	Tri.	5.0	2000	100	1.2	13.50
RK39	C907	Beam	6.3	600	25	1.5	3.50
RK43	C322	D.T.R.	1.5	135		1.6	1.50
RK47	C909	Beam	10	1250	50	1.5	17.50
RK48A	C910	Beam	10	2000	100	1	22.00
RK49	C911	Beam	6.3	400	21	1	1.25
RK51	C923	Tri.	7.5	1500	60	1	6.95
RK52	C912	Tri.	7.5	1250	625	1.3	6.95
RK56	C913	Beam	6.3	300	8	1	3.00
RK57	C914	Tri.	10	1500	125	1.2	13.50
RK59	C924	D.T.R.	6.3	500	15	1, 2, 6	4.50
RK60	C925	Rect.	See Foot Note				2.75
RK62	C926	Tri.	2.4	45		Tri.	3.50
RK63	C915	Tri.	5	3000	200	1.2	22.00
RK64	C916	Pent.	6.3	300	6	1	3.50
RK65	C928	Tetr.	5	3000	215	1	34.50
866A	C918	Rect.	See Foot Note				1.50
872A	C919	Rect.	See Foot Note				11.00

\*Max. Inv. Peak 7,500 V. Peak 1 Amp. Output.  
\*High Vacuum, 61 Volt drop, 750 V.R.M.S. per Anode. 250 M.A. Output current.  
\*Max. Inv. Peak 10,000 V. Peak 1 Amp. Output.  
\*Max. Inv. Peak 10,000 V. Peak 5 Amp. Output.

## Hytron

Type	Stock Num.	Service	Filament V.	Amps	Plate Volts	Dis.	Your Price
HY30Z	C1851	1.2	7.5	2.25	800	25	\$2.75
HY40	C1852	1.2	7.5	2.25	1000	40	3.75
HY40Z	C1851	1.3	7.5	2.50	1000	40	3.75
HY51A	C1853	1.2	7.5	3.50	1000	65	4.75
HY51B	C1854	1.2	10	2.25	1000	65	4.75
HY51Z	C1852	1.3	7.5	3.50	1000	65	4.75
HY60	C1856	1.3	6.3	0.5	425	15	2.75
HY61	C1857	1.3	6.3	0.9	600	25	3.50
6L6GX	C1850	1.3	6.3	0.9	500	21	1.25
866	C1860	Rect.	2.5	7500	Pk. Inv. V.		1.50
866 Jr	C1859	Rect.	2.5	1750	Pk. Inv. V.		1.05
HY615	C1858	**	6.3	0.15	300	3.5	2.25

\*\*Ultra high frequency triodes.

\*\*Ultra high frequency triodes.

## Bantam Jr. Tubes

2" High. 5/8" dia. High sensitive. Low-  
est battery drain. Long service. Mini-  
ature 5 prong base.

Type	Tube Type	PRICE
D1977	HY123	\$1.75
D1078	HY145	2.50
D1079	HY155	2.80

## Genuine Nathaniel Baldwin

### Famous Head Phones

C9405  
Your Very Special Price  
**\$4.75**



Manufactured by Nathaniel Baldwin at the special request of RADOLEK. This is without doubt the best chance to obtain a set of these prized head phones. World famous for many years because of their extreme sensitivity and great efficiency. Balanced armature units accurately matched and carefully tested. Used extensively by U. S. Signal Corps, Navy, and by professional operators. Moulded bakelite cases enclose units. While very sensitive they are very rugged and will stand up under hard usage. Complete with adjustable headband and cord. Fitted with MICA diaphragms.

### Brush Crystal Headphones



A piezo electric headphone of exceptionally high quality and excellent frequency response from 100 to 10,000 c.p.s. Impedance 50,000 ohms. For amateur, experimental, hard of hearing and Public Address monitoring use. Phones are housed in dark red-brown plastic case. Net wt. 6 oz. Complete with 5' cord and adjustable headband.

C9419—YOUR PRICE.. **\$6.47**

### Communications Headphones

Especially designed for comfort and dependability. Can be worn for hours at a time without discomfort. Soft rubber jacket on phone insures good ear seal and safety against shock. Yokeless cord design allows greater freedom of movement. Electrical characteristics similar to general purpose type above. Net wt. 6 oz. Complete with 5' cord and adjustable headband.

C9418—YOUR PRICE..... **\$8.52**

### Single Phone with Head Band

Electrical characteristics same as above phones. Metal headband with rubber cushion on the side opposite the phone. Complete with 5' cord. Net wt. 3 oz.

C9420—Bakelite case. List. \$5.90.  
YOUR PRICE..... **\$3.47**

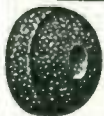
C9417—Aluminum case with soft rubber ring for comfort and good ear seal. Especially suited to hard of hearing applications. List. \$6.10.  
YOUR PRICE.... **\$3.59**

### Lorgnette Headphone

Designed especially for hearing aid application. Dark red-brown molded plastic case. Exceptionally fine response from 100 to 10,000 c.p.s. Handle adjustable from 12" to 17". Complete with 5' cord.  
C9423—List. \$7.50.  
YOUR PRICE..... **\$4.41**

### Brush Hushatone Speaker

An efficient pillow-type speaker. Permits user to enjoy radio programs while in bed, without disturbing or interfering with others in the same room. Easily attached to any radio set. Particularly useful with portable or A.C.-D.C. sets. Bakelite body fully enclosed in sponge rubber. May be immersed in liquid for sterilization. Size, 2 1/2 x 2 1/2 x 1/2" thick. Net wt. 7 oz. Includes 7' cord.  
C9428—List Price, \$8.25.  
YOUR PRICE..... **\$4.85**



### Phone Cushions

D9406—YOUR PRICE **35¢**  
PAIR.....  
TEN PAIRS FOR..... **\$3.15**  
Made of soft sponge rubber. Very light, comfortable. Fits all phones.

## Special Value

### Headphones

R9430—2000 ohms. **\$1.35**  
YOUR PRICE.....  
R9431—4000 ohms. **\$1.49**  
YOUR PRICE.....

An exceptional value. Unusually sensitive and efficient headphones. Noted for fidelity and clarity of tone. Spun and buffed aluminum cases and caps. Single strap adjustable headband. Light in weight and comfortable.



### Single Earphone With 3' Cord

Stock No.	Your Price	Ohms Resist.	Stock No.	Your Price
C9410	75¢	1000	C9412	65¢
C9411	90¢	2000	C9413	83¢

### Carron Headphones

#### Model "Super R9"

R9432—2000 ohms. **\$1.56**  
YOUR PRICE.....  
R9433—4000 ohms. **\$1.79**  
YOUR PRICE.....

Represents the latest in telephone engineering. Large magnets made from nickel-iron-aluminum alloy having high coercive force. Will not lose sensitivity. Mica Diaphragms. Adjustable headband. 5' cord. Bakelite ear-pieces.



### Cannon-Ball Headphones

Thoroughly reliable high quality full size headphones. Responsive to weak signals. Adjustable stainless steel headbands. Complete with cords. Aluminum shells, practically unbreakable bakelite caps. Very light and comfortable to wear.

R9407—2000 ohms. **\$1.90**  
YOUR PRICE.....  
R9408—3000 ohms. **\$2.15**  
YOUR PRICE.....



### Individual Volume Control

For either portable or permanent installation of hard of hearing and other headphone installations. Permits each person to adjust volume to their particular requirement. Attractively designed. Brown wrinkle finished metal case. Body size, 2 1/2 x 2 1/2 x 1/2". Tip jack terminals. Supplied with 4 ft. cord.

A9449—YOUR PRICE..... **\$1.89**



### Headphone Adapters

Adapts Any Radio for Headphone Reception.  
D12182—For 4 prong tubes.  
D12183—For 6 prong tubes.  
D12184—For Octals.  
YOUR PRICE. Each.... **97¢**

For adding crystal or magnetic headphones or magnetic speaker to any radio. Does not alter receiver circuit or operation. Wafer adapter slips under power tube and headset or external speaker connects to the combination screw and phone tip jack terminals on the bakelite coupler. Condenser in plate circuit. Two adapters required when used with push-pull tubes.

### Amplifier Handbook and P. A. Guide

D12568—YOUR PRICE..... **25¢**

Covers amplifiers and sound system installation. With the information contained in this book every man engaged in radio can have both a theoretical and practical knowledge of the functions and operation of sound systems. Explains all types of microphones, speakers, baffles, etc. Includes mathematical formulas. Many illustrations. Printed on fine paper. 80 Pages. Size 6x9".





# "ELECTRIC FENCE" *One Wire* Safe • Dependable

## Newest Full Electric Design

### The New Economical Way of Farm Fencing

Farmers everywhere have been sold on the safety, effectiveness and economy of electric fences. Get your share of profits being derived from national advertising on electric fences. A simple demonstration will clinch the sale to even the most skeptical farmer prospect.

#### Saves on Material and Labor

Only one wire, or two at the most, is required to effectively hold the stock. As the cattle do not attempt to push this fence, only widely spaced small sized stakes are necessary to support the wire. Saves on time and labor. One man can quickly install the complete fence. Temporary fences, easily erected with very low labor and material costs, thus reducing to a profitable level the cost of fencing in temporary pastures and harvested fields. Profits of many times the cost of the fence are obtained by "hogging down" corn fields, "gleaning" husked corn fields, feeding over fields of pasture oats, barley, wheat, etc.

#### Low Operating Cost

Intermittent application of current, about once per second, makes current consumption very low. On the battery model a set of dry cells or a "hot-shot" battery will, when properly installed, last an entire season. 3 Position switch provides either high or low voltage output to suit various fence lengths and climatic conditions. Only one moving part used. Power cost on the AC model runs only a few cents per month. Heavy, wrinkle finished, steel case. Suitable for indoor or outdoor installation. No oiling or adjustment is necessary. Operates in any position. Fully guaranteed against all defects. Complies with state regulations. Harmless to man or beast, shock interval is so short the effect is that of a sting. Effective under all weather conditions.

#### A—For 110 Volt AC Operation

D18047—Model S4ACJ. Uses type 76 and 2A4G radio tubes for safe current output control. Fence line is completely isolated from power line. Window shows operation. Complete with tubes and 25 line and 4 corner insulators. For 110 volt, 50-60 cycle AC use. Size 6 1/2 x 12 1/2 x 9 1/2" high. Wt. 17 lbs.

**\$1425**

#### B—For 6 Volt Battery Operation

D18045—Model S3J. Operates from 6 volt hot shot or 4 dry cells. Less batteries. Size 3 1/2 x 8 x 6 1/2" high. Wt. 6 lbs.

**\$635**

#### C—With Battery Compartment

D18046—6 Volt Battery Operated Model S3SJ. Has compartment for hot shot battery or 4 dry cells. Battery compartment size, 5 1/2 x 10 1/4". Overall size, 6 1/2 x 12 1/2" high. Built-in detachable fence tester. Includes 25 line and 4 corner insulators. Less batteries. Wt. 16 lbs.

**\$995**

Each above include lightning arrester, ground clamp, 6 ft. ground wire and instructions.

### Mazda Flashlight Bulbs

Guaranteed finest quality.  
Miniature Lens type (not shown).

Stock Num.	Max. Num.	Voltage	Amps.	List Each	Ten for
D10568	222	2.2	0.25	9¢	53¢
D10466	PR2†	2.4	0.50	13¢	77¢
D10570	14*	2.5	0.30	9¢	53¢
D10467	PR3†	3.6	0.50	13¢	77¢
D10571	13*	3.8	0.30	9¢	53¢
D10468	605*	6.0	0.50	10¢	59¢

### Embroidered Emblems

RADIO REPAIR SERVICE



- D12402—Radio Repair Service.
- D12403—Radio Service
- D12404—Service Manager
- D12405—The Radio Shop

Each

**35¢**

Advertise your business in this inexpensive way. Ready for attachment to shirts, coveralls, jackets, caps, etc. Border and lettering embroidered in gold silk on royal blue background. Washable. Size approx. 3 1/2 times above illustrations.

### Plug-In Nightlite

For Dark Halls, Nursery, Sickroom, etc. Has built-in On-Off switch. Complete with 5 watt 110-120 volt bulb.

C11755—Each **29¢**

### Special Value Paper Condensers

Quality paper di-electric condensers made by a well known manufacturer. Use them for general replacement or experimental purposes.

#### Tubular Types

D8691—.25 Mfd. at 400 volts. In 1/2 x 2 1/2" moisture-proofed cardboard tube. 4" Leads. D8692—.05-.05-.005 Mfd. at 125 volts AC (100V. D.C.). 1/2 x 2" cardboard tube. Has 3 leads. Note: .005 is coded by longer insulation on lead. See diagram at lower right.

#### Either Type

YOUR PRICE.

Each

**7¢**

Ten for 60¢.

100 for \$4.95

### Electric Fence Accessories

#### Fence Insulators



Glazed white porcelain insulators for supporting electric fence wire to any type posts.

	Ten for	100 for
D4785—A—Fence Post Knob	13¢	\$1.17
D4762—B—Fence Post Knob	15¢	1.25
D4763—C—Fence Post Knob		

with double head nail ... 22¢ 1.95

D4786—D—Corner Post Knob 26¢ 2.30

D4764—E—Large Type Knob 29¢ 2.75

D4771—F—Leather Nail Head Washers. Prevents breakage when fence post knobs are nailed down.

YOUR PRICE, 55¢

Per Box of 500

#### Twistite Pin



D4772—PRICE Per 100

**48¢**

Fastens fence post knobs to any type metal post.

holes necessary in post. Made of #14 galvanized wire.

#### Kwik-Klip Wire Holder



D4788 PRICE Per 100

**35¢**

Easy, quick, secure way of fastening fence wire to insulators. Can be used over and over.

#### 4x8" Metal Sign

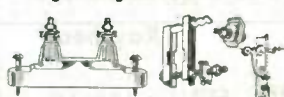


D4773 Each 6¢

10 for 54¢

Yellow background with 1" black letters. Attaches to fence wire or post. Required by law in some states.

#### Lightning Arrester Kit



D4791—Consists of Twin Tower lightning arrester with mounting screws, ground clamp and wire terminal clamp.

Your Price, Per Set **45¢**

D4792—8 Point Ground Clamp as above. Fits any rod or pipe 3/8 to 1 1/2" dia. Cadmium plated.

YOUR PRICE, Each..... **9¢**

D4799—Wire Terminal Clamp. Insures good electrical contact for wire connections.

YOUR PRICE, Per Pkg. of 4... **8¢**

10 Pkgs. for 72¢

#### KWIK GATE



D4789—Improved type. Consist of sturdy spring built into a thoroughly impregnated hardwood handle.

Ten for \$2.65.

YOUR PRICE, Each..... **29¢**

#### Fence Tester



D10306—Handy pocket size tester with built-in neon bulb.

Indicates when electric fence is operating correctly. Can also be used for testing power lines, auto ignition, etc., either AC or DC. Phenolic insulated case. Insulated test leads.

Your Price, Each **75¢**

#### "Hot Shot" Type Battery



D130 YOUR PRICE. **\$157**

Four No. 6 dry cells sealed in one water-proof unit. Fits inside case of battery operated fence control. Size, 2 1/4 x 8 x 10 1/2".

### Admiral Touch-O-Matic Auto Radio Tuning Unit

Converts any auto radio to push button electric tuning. Touch a button in comes your station. Can be connected to automatically tune five of your most popular stations. "Windows" provide spaces for call letters of stations selected. Manual tuning can be used by pushing a sixth button. Easy to install, the push button unit is housed in a polished bakelite case 5 1/4" x 1 1/4" x 1 1/4". Mounts on the steering post or under the dash. The control mechanism is housed in the rust proof metal case fitted with holes for attaching to case of auto radio on which it is to be installed.

A20047—TOUCH-O-MATIC Tuning unit. Complete with connecting cable, hardware and instructions.

List Price, \$8.95.

YOUR PRICE..... **\$285**





# Door Chimes-Auto Accessories

## Westminster Door Chimes



Take the place of harsh, disturbing conventional door bells.

Use your present bell wiring system. All chimes operate from 6 volt dry batteries or bell ringing transformers.

**E18360—Type A. \$146**

**YOUR PRICE** .....  
Body finished in white with rich contrasting black tone bars. Size: 7"x4 1/2".

**E18361—Type B. \$206**

**YOUR PRICE** .....  
Body finished in bronze with gold overlay decoration. Gold tone bars. Size: 7"x4 1/2".

Both types A and B, chime a mellow single tone for rear door and harmonious double tones for front door.

**D18362—Type C. Ivory Finish.**

**D18363—Type C. Bronze Finish.**

**YOUR PRICE, \$263**

Each .....  
Satin finished, lacquered brass tubes, held by rich Ivory or Old English Bronze shield. Size, 7"x8".

**D18358—Type D. Ivory Finish.**

**D18359—Type D. Bronze Finish.**

**YOUR PRICE, \$296**

Each .....  
Sounds on lacquered satin finish brass tubes. Single note for back door, double tone for front. Size, 7"x4 1/2".

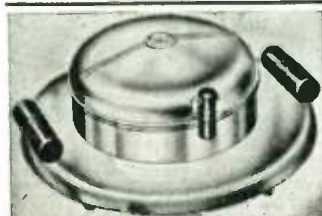
**D18364—Type E. Ivory Finish.**

**D18365—Type E. Old English Bronze.**

**YOUR PRICE, Each, \$338**

Each .....  
Sounds on lacquered satin finished brass tubes. Two notes for the front door and two reverse tones for the back door. Ivory or Old English Bronze body finish. Size, 7"x8 1/2".

## Superior Automatic Waffle



Bakes large 7" waffle on cast aluminum grids with overflow ring. Heated by fast acting 660 watt nichrome element. Signal light indicator tells when to start baking and when waffle is ready to serve. When waffle is baked signal light goes out and current turns off. Attractively chrome plated and embossed, mounted on tray base with attractive wood handles. For 110-

125 volt AC. Comes furnished with 6 ft. approved cord and plug set. Under-

writers' Approved.

**E18368—**

**YOUR PRICE** .....  
Same as above with heat indicator but without automatic turnoff feature.

**E18373—**

**YOUR PRICE** .....  
Same as above with heat indicator but without automatic turnoff feature.

**YOUR PRICE** .....  
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Same as above with heat indicator but without automatic turnoff feature.

## Sealed Beam Auxiliary Lights Driving—Passing—Fog Lights

With Genuine Mazda Units

**D18604—Driving Lamp.** For use on right side of car directing light over entire road with Mazda #4010 unit and switch.

**D18605—Passing Lamp.** For use on left side of car directing light to the right and over road shoulder. Equipped with Mazda #4011 unit and switch.

**D18606—Fog Light, crystal lens.** Equipped with Mazda #4012 unit and switch.

**D18607—Fog Light, amber lens.** Equipped with Mazda #4012A unit and switch.

**YOUR PRICE, Each Lamp** .....  
The single filament Mazda Sealed Beam units used in these lights are completely self-contained with lens, reflector and bulb built in a one piece hermetically sealed unit. Gives over 50% more light than older styles and at the same time reduces glare almost entirely, relieving nerve and eye strain. 6 1/4" Diameter chrome plated shell. Malleable brackets with universal adjustment and theft-proof nuts. For 6 to 8 volt use.

**8" DeLuxe Sealed-Two-Beam Driving and Fog Light**

**D18608—Combination Two Beam Driving and Fog Light.** Equipped with Mazda #4030 Sealed Beam two-flament lighting unit. Can be used as fog light because it throws light down under fog. 8" Diameter all-brass chrome plated decorated shell with adjustable bracket. Switch included.

**YOUR PRICE, Each Lamp** .....  
**D18609—Supplied in pairs.**

**YOUR PRICE, Per Pair** .....  
**D18609—Supplied in pairs.**

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**D18609—Supplied in pairs.**

## Sealed Beam Headlight Converters

for Cars Prior to 1940—Mazda Units Included

Replace old-style dirt catching, tarnishable lights used on cars prior to the 1940 models, with these 50% more efficient Sealed Beam unit converters. Simple to install. No soldering necessary. Supplied in pairs complete with two Mazda Sealed Beam units.

Stock Num. Price per Pair

E18610	\$4.45
E18611	4.95
E18612	4.95
E18613	5.75
E18614	4.95
E18615	9.25
E18616	9.25
E18617	9.25
E18626	4.95
E18627	9.25



Make of Car	Year	Stock Numbers			
		1935	1936	1937	1938
Buick, Chevrolet	1935	18610	18610	18613	18613
Cadillac, LaSalle, Oldsmobile	1936	18610	18610	18613	18610
Chrysler, DeSoto, Dodge	1937	18612	18611	18612	None
Ford Std.	1938	18614	18614	18615	18616
Ford DeLuxe	1939	18614	18614	18615	18616
Hudson, Terraplane, Studebaker	1940	None	18611	18611	None
Lafayette, Nash	1941	None	18611	18611	None
Packard 120-6, Pontiac	1942	18610	18610	18610	18610
Packard 8	1943	18610	18610	18610	18613
Plymouth	1944	18612	18611	18611	18612

## Special Parking Lights For Above



**D18618—**  
**YOUR PRICE** .....  
**Per Pair, \$60¢**

To be used only when parking lights are a part of the headlamps. Easily attached to the Sealed Beam unit. Bulb included.

## Unity Spotlights



**For Safety in High Speed Night Driving**

**D18345—6" Model with 160,000 CP beam.**

**YOUR PRICE** .....  
**D18346—6 1/2" Model with 170,000 CP beam.**

**YOUR PRICE** .....  
**D18347—6 3/4" Model with 180,000 CP beam.**

**YOUR PRICE** .....  
**D18348—6 1/2" Model with 190,000 CP beam.**

**YOUR PRICE** .....  
**D18349—6 3/4" Model with 200,000 CP beam.**

**YOUR PRICE** .....  
**D18350—6 1/2" Model with 210,000 CP beam.**

**YOUR PRICE** .....  
**D18351—6 3/4" Model with 220,000 CP beam.**

**YOUR PRICE** .....  
**D18352—6 1/2" Model with 230,000 CP beam.**

**YOUR PRICE** .....  
**D18353—6 3/4" Model with 240,000 CP beam.**

**YOUR PRICE** .....  
**D18354—6 1/2" Model with 250,000 CP beam.**

**YOUR PRICE** .....  
**D18355—6 3/4" Model with 260,000 CP beam.**

**YOUR PRICE** .....  
**D18356—6 1/2" Model with 270,000 CP beam.**

**YOUR PRICE** .....  
**D18357—6 3/4" Model with 280,000 CP beam.**

**YOUR PRICE** .....  
**D18358—6 1/2" Model with 290,000 CP beam.**

**YOUR PRICE** .....  
**D18359—6 3/4" Model with 300,000 CP beam.**

**YOUR PRICE** .....  
**D18360—6 1/2" Model with 310,000 CP beam.**

**YOUR PRICE** .....  
**D18361—6 3/4" Model with 320,000 CP beam.**

## Mazda Sealed Beam Units

Consists of filament, reflector and lens constructed in a permanent, hermetically sealed one-piece unit. Gives more light and always remains bright. Type #4030 (7" dia. 2 filament) used for replacement in new type automotive headlights, others are 5 1/2" dia. with one filament and used in auxiliary lighting equipment. For 6 to 8 volt use. Crystal lens. \*Has amber lens.



Stock Num. Mazda Num. Use Price 1-8-8-Up

D14290	4030	Drive	\$1.10	76¢	71¢
D14291	4010	Drive	1.10	76¢	71¢
D14292	4011	Pass	1.10	76¢	71¢
D14293	4012	Fog	1.10	76¢	71¢
D14294	4012A	Fog*	1.35	93¢	88¢

## Samson Auto Fan

**D18201—6" 6 Volt DC Fan.**

**YOUR PRICE** .....  
**D18202—6" 6 Volt AC Fan.**

**YOUR PRICE** .....  
**D18203—6" 6 Volt 120-240 Volt Fan.**

**YOUR PRICE**



# Appliance Super Values

## Cory Coffee Brewers

**Features:**  
Glass Rod Filter  
Wide Neck Decanter  
Two Heat Stove

Fast efficient filtering unit extracts only delicious essential coffee flavor without the objectionable bitter taste that percolating and boiling draws out. **Features:** Hinged decanter cover; Chrome plated two heat electrical stove—high for brewing—low for keeping coffee at proper drinking temperature; Bakelite combination funnel holder and cover and bakelite handles; Heat-proof glassware with bakelite handles is made by the makers of Pyrex in the new wide mouth style for easier cleaning. Includes 6 foot cord set and Bakelite Coffee Measure. 4-6 and 7-8 cup Black sizes furnished with Cory glass rod filter. 7-8 Ivory and 10-12 cup sizes furnished with both glass rod and "Fast-Flow" Filter. For 105-120 volt. AC or DC. Underwriters' Approved. Gas Models same as electrical model except that no electric heating unit is included.



## Lady Dover 10-Speed Mixer with Juicer

E18257—  
Your Price... **\$1775**

This handsome, powerful mixer is an asset to any kitchen—a fast, efficient servant that takes care of all the mixing, beating, stirring and whipping quickly and easily. 10 full-power speeds instantly available at all times—the right speed for every job. Speed control is conveniently built into back of motor housing. Powered by rugged universal motor. Will not slow down when beating heavy batter, nor speed up when liquids are added. Mixer tilts back to drain beaters or remove bowl, and detaches easily for mixing or mashing over stove. Juicer attaches directly through handle without use of tools. It is not necessary to remove beaters in order to use the juicer. Juicer extracts all juice from oranges, grapefruit, lemons and limes. Hand-shaped plastic handle is easy to hold. Equipped with two heavy duty beaters and two oven-proof mixing bowls—one large and one small. Bowl revolves as it mixes for greater speed and efficiency. Beautifully finished in white kitchen enamel. Complete with rubber cord. Underwriters' Listed. 105-120 volts AC or DC.



## Lady Dover 3-Speed Mixer

E18258—  
YOUR PRICE ..... **\$1325**

Sturdily-built mixer with powerful 3-speed motor. Speed adjustment conveniently located at rear of motor. Finished in white kitchen enamel with comfortable plastic handle. Two efficient beaters easily removable for cleaning. Motor tilts back and slips easily from base for portable use. Bowl revolves as it mixes. Juicer attachment fits easily into handle without removing beaters. Complete with juicer, two white glass mixing bowls and heavy duty Underwriters' Approved cord. 105-120 Volts AC or DC. Underwriters' Listed.

### Electric Models

### Gas Models

Black Stock Num.	Your Price Each	Cup Size	Ivory Stock Num.	Your Price Each	Black Stock Num.	Cup Size	Your Price Each
D18380	\$4.95	4-6	D18381	\$5.15	D18386	4-6	\$2.10
D18381	5.65	7-8	D18384	5.85	D18387	7-8	2.85
D18382	6.35	10-12	D18385	6.60	D18388	10-12	3.55

## Samson Automatic Twin Waffle



D18264—  
YOUR PRICE, Each..... **\$1225**

D18265—Same as above with heat indicator but less automatic current cut-off and heat control.  
YOUR PRICE ..... **\$1075**

Bakes two full-size waffles at one time just the way you want them—light, medium or dark. Signal light on each unit glows when grids are ready for batter and again when waffles are done. Fast heating nickel chrome elements bake waffles thoroughly and quickly. Either or both units may be used as desired. Current shuts off automatically when waffles are done. 7 1/4" cast aluminum greaseless grids. Finished in lustrous chrome with Genuine Walnut handles. Size: 18 3/4" x 8 3/4" x 4 1/4". Underwriters' Listed. Twin cord set. 110-120 volts A.C. 1250 Watts total.

## Sandwich Grill and Waffle



D18336—Complete with set of cast aluminum waffle grids.  
YOUR PRICE ..... **\$934**

Grills and fries—toasts sandwiches or bakes double size waffles right at the table. Extra large grids have enough room for two large sandwiches, 4 eggs, or 4 pancakes, etc. An extra convenience making it a pleasure to prepare snacks or lunches. Accurate heat indicator shows when proper temperature has been reached for cooking. Both grids have "no drip" drain. Special cup catches excess grease. Self-adjusting hinges allow for expansion. Fast heating 660 watt nichrome element. Finished in gleaming chromium with walnut handles. For 110-125 V. AC or DC. 6 ft. cord set. Underwriters' Approved.

## Superior Toasters



Chromium finished toaster in modern design with well rounded corners. Has 4 walnut wood handles. Toasts bread or buns to a golden brown. Opening door turns toast automatically. Nichrome element wound on mica. Underwriters' Approved. For 110-125 volt AC-DC. Furnished with 6 ft. cord set.

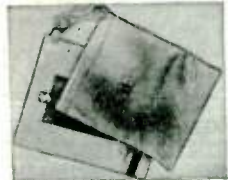
### Two Slice—400 Watts

D18377-E—  
YOUR PRICE ..... **\$298**

### Four Slice 650 Watts

D18376-F—  
YOUR PRICE ..... **\$365**

## Samson Electric Heating Pads



### Wet Proof

Samson 3 Fixed Heats with 4 thermostats on each heat. Water, stain and perspiration resistant covers.

- Positive Selective Heat Control
- Asbestos Covered Element

DeLuxe heating pads incorporate every feature for safety, convenience, and comfort. 3 fixed heats, Low 125°, Medium 150°, High 175°. 4 thermostats keep heat absolutely constant at selected temperature. Desired heat is selected on new type strain relief rotary switch. Fabric of covers treated by new process making them impervious to moisture, stain, and perspiration. Pads can be used with perfect safety for wet applications and compresses. Size 12"x15". Underwriters' Approved wetproof. 55 Watts, 115 Volts AC or DC. 8 ft. cord and plug.

D18262—Genuine Wetproof Blue Fleecette Cover.  
YOUR PRICE ..... **\$395**

D18263—As described above but not wetproof. Permanent cover, tan flannel, extra green angorine cover furnished is water repellent.  
YOUR PRICE ..... **\$285**

## Superior Fully Automatic Pop Up



**Toaster**  
With Split Second Time Control

E18374—  
YOUR PRICE, each

**\$925**

**Makes**

**Toast**

**as you**

**like it**

- Brilliant Chrome Finish
- Efficient Nichrome Element

This new two-slice toaster features a clock mechanism that is absolutely silent, completely eliminating the annoying ticking found in ordinary clock-controlled toasters. Automatic split-second time control regulates toasting time with amazing accuracy. Toasting time is lengthened when toaster is cold and shortened when it heats up, making every piece of toast identical in color and crispness with the others. Half turn of handle sets toaster in operation to desired shade. Pop-out feature automatically pops out bread when toasted. The graceful lines of the lustrous chrome body are enhanced by a richly engraved design. Base and handles of black bakelite add the proper touch of contrasting color. All construction is extra heavy. Has nichrome 660 watt elements. 110-125 volts AC only. Supplied with cord set.

## Samson Automatic Iron



D18284—  
YOUR PRICE ..... **\$495**

We believe this to be the finest ironing value on the market. Includes every desirable ironing feature. Highest quality construction yet low in price. Can be set to correct heat for any fabric. Simply turn dial to heat desired—automatic control holds temperature indefinitely. Thin sole plate brings ironing surface only 1/2" from nickel chrome element, heating quickly and evenly. Tapered and beveled toe simplifies ironing around buttons, ruffles and pleats. Tearproof heel. Heat dissipating fins make the one-piece bakelite handle always cool and easy to hold. Built-in cord set. 1000 Watts. 110-120 Volt A.C. operation. Weight, 4 lbs. Underwriters' Listed.

### "Magic Eye" Iron

E18287  
YOUR PRICE ..... **\$715**

Similar to above iron except light flashes on when iron is plugged in, goes out when correct ironing temperature is reached. Shows when current goes on and off while ironing. Finger-tip thermostatic control dial automatically selects proper temperature for every fabric. 1000 watts 110-120 Volt A.C. operation. Weight 4 lbs. Underwriters' Listed.



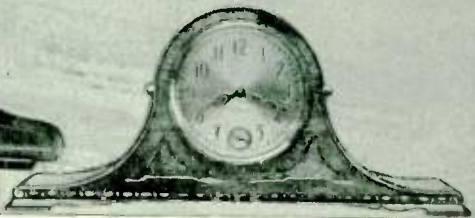


**The Helmsman**  
With Gold Colored Dial  
E18310—  
**YOUR PRICE.....\$375**  
Self-starting electric time movement in rich walnut finished case. Polished brass sash and spokes add a nautical touch. 5" gold colored dial. Size: 10" wide x 9 1/4" high.



**The Briargate**  
With Gold Colored Dial  
E18317—  
**YOUR PRICE.....\$375**  
Self-starting electric time movement in a handsomely finished walnut veneered case with tulip wood inlay. A time piece that will harmonize with most home furnishings. Suited for any mantel or radio-or library. Attractive 5" gold colored dial. Size: 17" long x 7" high.

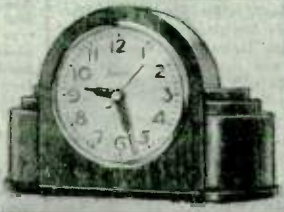
**Self-Starting—Synchronous Movements**  
**For 105-120 Volt, 60 Cycle A.C. Operation**



**The Buckingham**  
With 5 Tone Westminster Chime  
E18307—  
**YOUR PRICE.....\$1975**  
Self starting electric movement with full 5 tone Westminster 1/4 hr. chime. Chimes every quarter of an hour with a charming and easy-on-the-ear musical phrase. Has 6" silvered metal dial with raised numerals. Case is 21x9 1/4" high. Made of genuine walnut with burl overlays.



**The Somerset**  
E18308—  
**YOUR PRICE.....\$1040**  
"Banjo" style wall clock with whitewood case finished in rich mahogany color. Attractive old colonial design. Self-starting electric movement. Has 6" silvered metal dial with raised numerals. Size: 8 1/2"x26" high.



**The Mode**  
Raised Numeral Dial  
E18313—  
**YOUR PRICE.....\$375**  
Without Alarm .....  
E18314—With Alarm.....\$4.50  
Dignified modernism is the design and theme of this handsome clock. Self starting electric movement in genuine walnut case with black base. Has 4" metal dial with raised numerals and black hands. Has gold colored sweep second hand. Size: 8 1/2"x5 1/2" high. On the alarm model the gently urgent tone of the alarm does not jangle or jar the nerves. Ideal for the modern home or office.



**The Moderne**  
Molded Plastic Case  
E18355—Ivory E18312—Red  
E18311—White E18370—Brown  
**YOUR PRICE, Each.....\$225**  
This attractive yet inexpensive clock is ideal for use in the kitchen or bedroom—or can also be used as a desk clock. Self-starting electric time movement in a smartly styled plastic case. Richly colored cases enable you to select a clock which will harmonize with the color scheme of your home. 4" square dial. Size: 5 1/4" wide x 4 1/4" high.



**The Clarion**  
With Alarm  
Embossed Numeral Dial  
Stock Num. Your Price  
E18296—  
Ivory Finish .....  
E18297—  
Walnut Finish .....\$2.65  
Modern design plastic case. Dial is 3 1/4" in diameter. Has large, easily-read embossed raised numerals. Black hands and gold colored sweep second hand. Bell alarm makes this a general utility clock. Self-starting electric time movement guarantees dependable accuracy. Size 4 1/4"x5 1/4".



**The Commander**  
Oblong Metal Dial with two tone Numerals  
E18233—Without Alarm. **\$295**  
**YOUR PRICE.....**  
E18234—With Alarm **\$375**  
**YOUR PRICE.....**  
This modern mantel clock is an excellent yet inexpensive timekeeper. Modern styled genuine walnut case. Ideal for use on radio cabinet, or as a mantel clock. Oblong metal dial has two-tone, easily read numerals. Black hand, with gold colored sweep second hand. Alarm models have gentle urgent tone which does not jangle or jar the nerves. Self-starting electric time movement. Dial is 4 1/4"x3", size of case overall is 7 1/4"x4".



**The Moline**  
E18304—  
**YOUR PRICE.....\$659**  
Similar to Somerset design above but smaller. Size 7"x22" high.



**The Commercial**  
E18319—  
**YOUR PRICE.....\$490**  
An excellent clock for stores, offices, and schools. Has self starting electric movement mounted in attractive 14 1/2" square metal case. Silver lithographed metal dial with black and gilt lacquered numerals. Has black metal hands. Gold colored sweep second hand. Self starting.

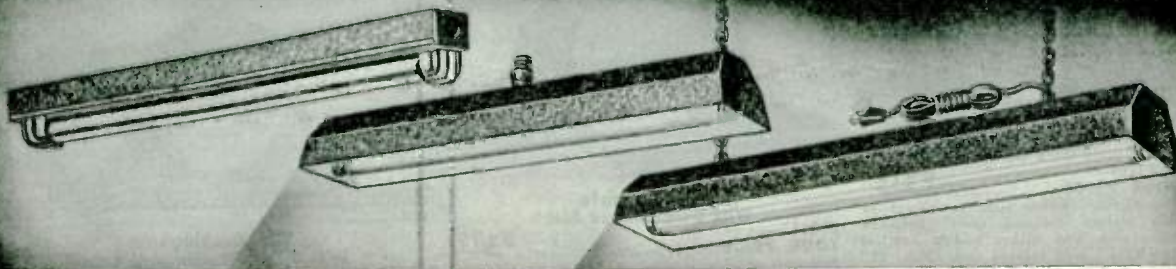
**The Plastique**  
E18320—Ivory E18322—Red  
E18321—Green E18323—White  
**YOUR PRICE, Each.....\$250**  
A kitchen wall clock of attractive modern design. Has self starting electric movement in plastic moulded case in rich pastel colors. Size 7x7 1/4" high with 5" dial. Black metal hands. Gold colored sweep second hand.

**The Teapot**  
E18324—Ivory E18326—White  
E18325—Red E18327—Green  
**YOUR PRICE, Each.....\$310**  
Novel design. An attractive kitchen wall clock. Has self starting electric movement in metal tea pot case. Metal dial has raised numerals. Size, 8 1/4"x7" high. Black metal hands. Gold colored sweep second hand.

**The Moving Windmill**  
E18235—Red Trim. E18236—Blue Trim. **\$290**  
**YOUR PRICE, Each.....**  
Dial is ornamented with an old fashioned windmill that has moving "sails" which act as a sweep second hand producing a very novel effect. White case has beveled edge in choice of contrasting colors, red or blue. Size, 7"x7". Dial is 5".



# FLUORESCENT



## Strip Lighting

The most versatile fluorescent unit ever produced. Highly adaptable for use in Show Windows, Coves, Display rooms, Offices, Lobbies, Bathrooms, Kitchens, etc. Extremely compact, durable and economical in operation. **Easy to install.** Knockouts provided for parallel or tandem mounting and for pipe or chain suspension. Heavy gauge steel body. Baked white enamel reflector surface diffuses light over a wide area. Streamlined plastic masks cover sockets and add to appearance of the fixtures. Approved ballasts, starters and sockets. For 110-120 V. 60 cycle A.C. operation. Supplied less bulbs.

**E16850—Model S-24** Uses 1 T-12, 20 Watt lamp. Size  $2\frac{3}{4}'' \times 1\frac{1}{2}'' \times 25''$ . List, \$1.95.  
**YOUR PRICE, Each.....\$3.22**

In lots of 6, Each.....**\$2.97**  
**E16851—Model S-36** Uses 1 T-8, 30 Watt lamp. Size  $2\frac{3}{4}'' \times 1\frac{1}{2}'' \times 37''$ . List, \$8.75.  
**YOUR PRICE, Each.....\$5.69**

In lots of 6, Each.....**\$5.25**  
**E16852—Model S-48** Uses 1 T-12, 40 Watt lamp. Size  $2\frac{3}{4}'' \times 1\frac{1}{2}'' \times 49''$ . List, \$8.95.  
**YOUR PRICE, Each.....\$5.82**

In lots of 6, Each.....**\$5.37**

## Plug-in Fixture

Simply screw this one piece unit into any light socket—Instantly, you have the new type of cool, super-brilliant, glareless, shadowless fluorescent light. Solidly constructed but light in weight. Has durable exterior finish which is practically scratchproof, chip proof, scientifically designed reflector for glareless, wide spread light. Equipped with latest type Underwriters Approved Ballasts and newest style automatic starters. For 110-125 volt 60 cycle AC. Shpg. wt.  $3\frac{1}{2}$  lbs. Supplied without bulbs.

**E16804—Model 118—**For one 18" 15 watt lamp. List Price, \$4.95.  
**YOUR PRICE, Each.....\$3.22**

Lots of 6, Each.....**\$2.97**

**E16805—Model 124—**For one 24" 20 watt lamp. List Price, \$6.95.  
**YOUR PRICE, Each.....\$4.52**

Lots of 6, Each.....**\$4.17**

**E16806—Model 218—**For two 18" 15 watt lamps. List Price, \$7.95.  
**YOUR PRICE, Each.....\$5.17**

Lots of 6, Each.....**\$4.77**

## Industrial Fixtures

Scientifically designed and carefully engineered, instantly and readily adaptable for hundreds of commercial and industrial uses. Over twice the foot candle power of incandescent light of same wattage and 50% cooler than ordinary lights. Absolutely no installation cost—just hang it up and plug into any socket. Equipped with latest type Underwriters Approved Ballasts and replaceable starters. Attractive durable exterior finish. Highly efficient reflector surface provides even light distribution. Complete with a pair of hanging chains and rubber covered connecting cord and plug. Size 48" long. Operates on 110-125 Volt—60 cycle AC. Shpg. wt. 7 lbs.

One Light Fixture

**E16853—**For one 48" 40 watt bulb. List Price, \$12.95.  
**YOUR PRICE, Each.....\$8.42**

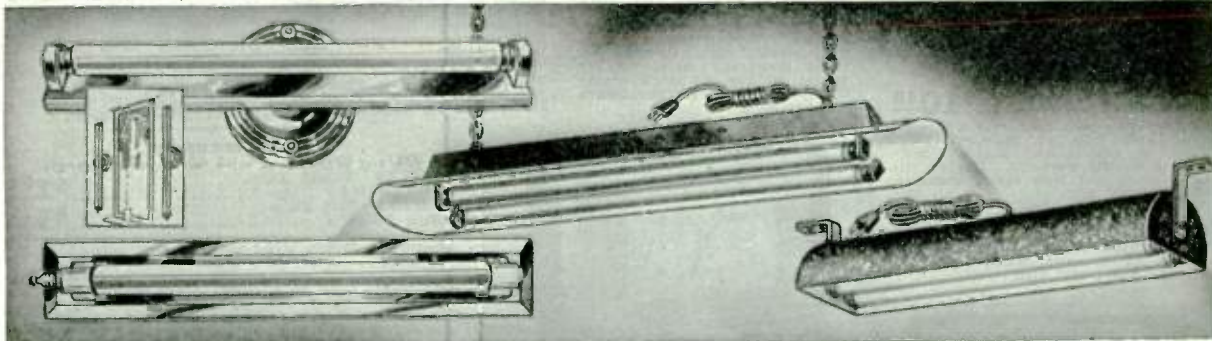
In lots of 6, Each.....**\$7.77**

Two Light Fixture

**High Power Factor Corrected**

**E16854—**For two 48" 40 watt bulbs. List Price, \$20.95.  
**YOUR PRICE, Each.....\$13.62**

In lots of 6, Each.....**\$12.57**



## A—Pin Up Lamp

Easy to install. Just hang it on the wall like a picture, from a nail or picture hook, and plug into any wall socket. Can be hung vertically or horizontally. Finished in polished chrome. Supplied less bulbs.  
**E16855—Model 146.** Uses 1 T-8, 15 Watt lamp. Size: 18" long, extends  $\frac{1}{2}''$  from wall. 5" dia. wall plate. List, \$5.95.  
**YOUR PRICE, Each.....\$3.87**

In lots of 6, Each.....**\$3.57**  
**E16856—Model 147.** Same as above except has chrome plated removable, adjustable reflector. Clamps on to bulb. List, \$6.95.  
**YOUR PRICE, Each.....\$4.52**

In lots of 6, Each.....**\$4.17**

## B—Wall Bracket

Can be used as a ceiling light, mirror light, picture light, etc. Mounts flush against any outlet box. Baked white enamel finish. Uses one 15 watt lamp. Size:  $20'' \times 3\frac{1}{4}'' \times 2''$ . Operates on 110-120 V. 60 cycle AC. Supplied less bulb.  
**E16857—Model 300.** Wall bracket fluorescent light. List price, \$5.95.  
**YOUR PRICE, Each.....\$3.87**

In lots of 6, Each.....**\$3.57**  
**E16858—Model 301.** Same as above but has an electric outlet to plug in electric shavers and other small appliances. List Price, \$6.30.  
**YOUR PRICE, Each.....\$4.15**

In lots of 6, Each.....**\$3.78**

## Hi-Power Industrial Fixture

A scientifically engineered unit that meets every commercial and industrial need for high levels of cool, effective, general or directional lighting. Unsurpassed for high intensity lighting over work benches, machines and production lines, or for efficient window lighting. Entire unit solidly formed from heavy gauge steel. A special type of hanging bracket permits various angle adjustments, just by changing the chain hook from one side to the other. This permits unit to be angled to direct the light exactly where desired. Attractive durable exterior finish. Highly efficient reflector provides even light distribution. Equipped with Underwriters approved replaceable starters and two lamp ballasts that eliminate stroboscopic flicker. **High Power Factor Corrected.** Comes complete with lead wire, two lengths of chain, approved rubber cord and plug. 60" long. Uses two T-12 40 watt lamps. Operates on 110-125 volt, 60 cycle AC. Shpg. wt. 32 lbs. Less bulbs.

**E16859—**Complete less bulbs. List Price, \$21.20  
**YOUR PRICE.....\$13.78**

In lots of 6, Each.....**\$12.72**

## Window Unit

Here is the most flexible window display ever developed. Suspension bracket is so constructed to permit attachment either to ceiling or side of window. Concentrates attention on key displays. Especially cool illumination makes it safer to use with perishable merchandise. Can be mounted end to end or side by side in massed batteries. Heavy gauge steel construction, in brown wrinkle finish. Lifetime "liquid plastic" reflector provides glareless, widespread light. Knock-outs, screw holes and suspension brackets for every type of installation. For 110-125 volts—60 cycle AC. Underwriters Approved! Less bulbs.

**E16867—Model 255—**Use two T-12 40 watt lamps. Power factor corrected. Size  $49'' \times 9'' \times 9''$  wide x  $4\frac{3}{4}''$  high. Shpg. wt. 30 lbs. List Price, \$20.95.  
**YOUR PRICE, Each.....\$13.62**

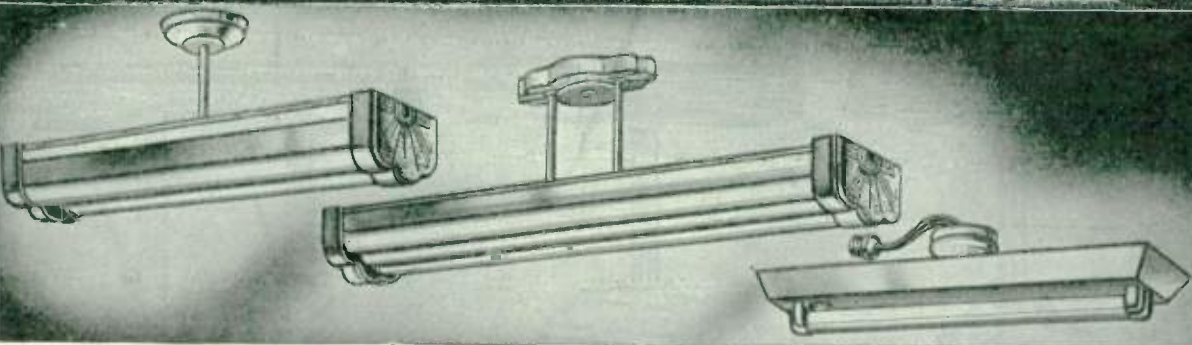
In lots of 6, each.....**\$12.57**

**E16868—Model 256.** Uses two T-12 20 watt lamps. Size  $25'' \times 9'' \times 4\frac{3}{4}''$ . Shpg. wt. 16 lbs. List Price, \$12.45.  
**YOUR PRICE, Each.....\$8.09**

In lots of 6, each.....**\$7.47**



# LIGHTING



## Fluorescent Standard Commercial Fixture 24" Single-Stem

E16822—Complete, ready for installation but less bulbs.  
List price, \$10.95.  
**YOUR PRICE, Each** ..... **\$7.12**  
In lots of 6, each.....\$6.57

A smartly styled unit that keynotes a new trend in fixtures for commercial use. For stores, offices, restaurants, hotels, lobbies, etc. May also be used to good advantage in the home. The attractively designed ends, molded in clear translucent plastic, let the light come through with a warm glow that dissipates dark spots. Comes completely wired and equipped with 24" stem, ceiling holder and strap to fit any standard outlet box. Body is built of heavy gauge steel. Reflecting surfaces finished in white baked-on enamel gives soft wide spread glareless light. Equipped with replaceable starters and Underwriters approved ballasts. Uses two T-12 20 watt lamps. Operates on 110-125 volt 60 cycle AC. Overall length 25". Knockout is provided for switch or drop cord. Supplied less Bulbs. Shpg. wt. 7 lbs.

## Fluorescent DeLuxe Commercial Fixture 30" Twin Stem

E16873—Model 2448. Uses four T-12 40 watt lamps. List Price, \$34.50.  
**YOUR PRICE, Each** ..... **\$22.43**  
In lots of 6, Each.....\$20.70

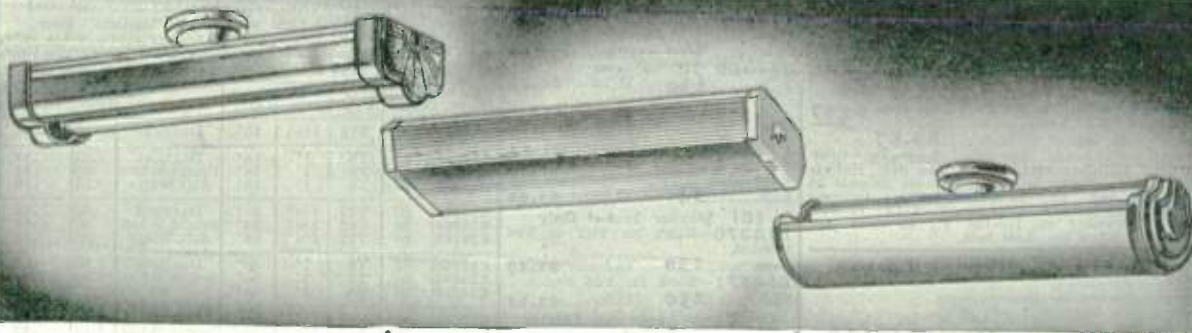
E16874—Same as above except uses only two T-12 40 watt lamps. List price, \$20.95.  
**YOUR PRICE, Each** ..... **\$13.62**  
In lots of 6, Each.....\$12.57

A handsome unit that will contribute much to the beauty of any commercial interior such as stores public buildings, offices, hotels, restaurants, lobbies, etc. May also be used to excellent effect in the home. Gives cool, glareless, shadowless light. Body is finished in baked-on white enamel. Satin silver finished cadmium plated canopy and stem. Translucent plastic ends beautify fixture and eliminate "blind spots." Equipped with Underwriters approved ballast, starters, and sockets. Dimensions: 50" long, 10" wide, 6" high. Height overall 36". Operates on 110-120 V., 60 cycle AC. Non-Stroboscopic. Power factor corrected. Supplied less bulbs. Shipping weight 19 lbs.

## Fluorescent Kitchen Adapter Unit Fits 4" Ceiling Holder

E16875—Model 221 P. Uses one T-12 20 watt lamp.  
List price, each, \$5.95.  
**YOUR PRICE, Each** ..... **\$3.87**  
In lots of 6, each.....\$3.57

This smartly styled fixture has been designed for maximum lighting efficiency, with a minimum of current consumption. An attractive unit that will brighten its surroundings wherever installed. Provides powerful, economical illumination in bedrooms, sun parlors, beauty parlors, bathrooms, kitchens and countless other locations. The most compact adapter unit on the market. **Easy to Install.** Remove old globe and bulb from your present fixture, screw plug into socket and adjust filter ring to holder and tighten set screws. Finished in lustrous white enamel. Translucent plastic ends fit over sockets to add an attractive touch. Equipped with Underwriters approved ballasts, sockets and starters. Base Dimensions: 27"x3 1/4"x2" high. For 110-120 volt, 60 cycle AC. Supplied less bulb. Shipping weight five pounds.



## Fluorescent DeLuxe Adapter Fixtures

E16876—Model 222P. Uses two T-12 watt lamps. Size: 25"x7 1/2"x4 1/4". List, \$7.95.  
**YOUR PRICE, EACH** ..... **\$5.17**  
In lots of 6, each.....\$4.77

E16877—Model 424P. Uses 4 T-12 20 watt lamps. Size: 26x10x8". List, \$17.95.  
**YOUR PRICE, Each** ..... **\$11.67**  
In lots of 6, each.....\$10.77

With this new adapter unit you can get rid of old fashioned ceiling fixtures and replace them with modern fluorescent light at no installation cost. They are designed and engineered for permanent installation and yet are very Easy to install. Remove glass globe and incandescent light from old fixture, insert attachment plug into socket, then attach adapter to present fitting ring. Gives soft, cool, glareless light. Plastic ends mean even light distribution in every direction. Heavy gauge steel construction. Reflecting surfaces finished in baked-on white enamel. Equipped with Underwriters approved ballast starters and sockets. For 110-120 V. 60 cycle AC. Supplied less bulbs. Open type no diffusing shield used.

## Fluorescent Flush Mounting Fixture Plastic Ends and Glareless Diffusing Shield

E16878—Model 225. Complete as described above but less bulbs. Size: 25"x9 1/4"x4 1/4". List price, \$10.95.  
**YOUR PRICE, Each** ..... **\$7.12**  
In lots of 6, Each.....\$6.57

A highly efficient, attractive flush mounting ceiling light that gives cool, glareless illumination. Skytex glass shield helps to distribute light more evenly and gives this fixture a sleek, expensive appearance. White plastic ends eliminate annoying dead spots. Ideal for use in kitchens, bedrooms, bathrooms, sunparlors, living rooms, dining rooms. Glass shields are hinged so that lamps may be replaced without taking fixture down. Uses two T-12 24" fluorescent lamps. Operates on 110-120 volt AC, 60 cycles. Comes complete with Underwriters approved ballasts and replaceable starters.

## Fluorescent All Purpose Fixture With Glareless Diffusing Shield

E16879—Model 2054. Completely wired and ready to hang. Less bulbs. List, \$10.95.  
**YOUR PRICE, Each** ..... **\$7.12**  
In lots of 6, Each.....\$6.57

For household and commercial use. Brings new eye comfort to the kitchen, bathroom, bedroom, library, playroom, and den with equally satisfactory application for hotel rooms, lobbies, hallways and corridors. Features the Du Pont "Plastacele" glareless, diffusing shield completely hides light bulbs from view and can be tipped forward or backward to insert new bulbs. Shield is easily removable and can be washed with soap and water. Specially designed ceiling holder and strap fits all standard outlet boxes. Reflector of chip proof white enamel. Uses two T-12, 24" 20 watt bulbs. Underwriters approved ballasts, starters, and sockets. Size 27"x6 1/4"x9". Operates on 110-120 V., 60 cycles AC.

**All Fluorescent Fixtures on these pages are supplied completely wired ready to install**



# Fluorescent Lamps

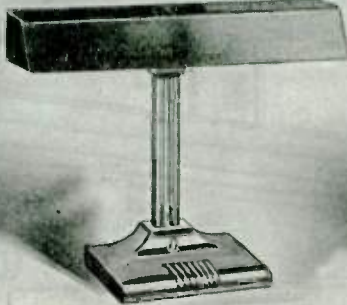


## Standard Pedestal Desk Lamp

A handsome lamp rich and graceful in design, yet sturdy and substantial. Effective eye saving illumination. All metal construction throughout, with attractive durable finish. Instantaneous manual type switch. Shade is scientifically designed for maximum lighting efficiency. Chip proof white enamel reflector surface. Underwriters approved materials used throughout. Uses one T-8 15 watt lamp, operates on 110-125 volt, 50 or 60 cycle AC. Overall length 18 inches. Shpg. wt. 9 lbs. Heavy cast base. Less Bulb.

E16840—Desk Lamp. Complete with 9 foot cord but less bulb. List Price, \$6.95.  
**YOUR PRICE.....\$4.52**

In lots of 6, Each.....\$4.17

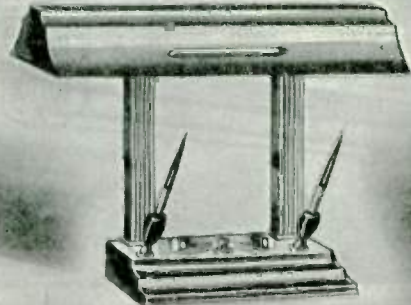


## DeLuxe Pedestal Desk Lamp

This outstanding unit, beautifully styled and quality constructed, brings to you the very last word in desk lighting. Cool shadowless, non glare light for eye comfort when engaged in exacting office work. Quality constructed throughout. Handsomely and durably finished. Efficient chip proof white enameled reflector. Equipped with latest type Underwriters Approved Ballast and replaceable starter switch. Complete with Approved cord and plug. Uses T-8 15 watt lamp. For 110-120 volt, 60 cycle AC. Shade size 18" long. Shpg. wt. 9 1/4 lbs. Heavy cast base. Less Bulb.

E16827—Desk Lamp. Complete but less bulb. List Price, \$8.95.  
**YOUR PRICE.....\$5.82**

In lots of 6, Each.....\$5.37



## DeLuxe Desk Lamp

With Wahl "Lifetime" Pen and Pencil Set  
A handsome, new, modernly designed lamp very rich in finish and appointments. Complete with Wahl Eversharp "Lifetime" desk fountain pen and pencil set. All metal, bank bronze finished, construction. Chip-proof white enamel reflector. Uses T-8, 15 watt bulb. Size: 18" long x 13" high. Operates on 110-120 V. 60 cycle AC. Less Bulb.

E16841—Desk Lamp Complete as described. List, \$35.00.  
**YOUR PRICE.....\$22.75**

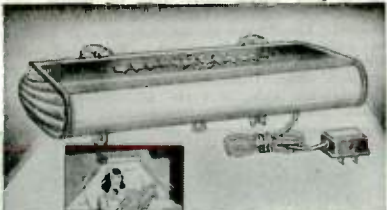
In lots of 6, Each.....\$21.00

E16842—As above but less pen and pencil set. Brown wrinkle finish. List, \$10.95.

**YOUR PRICE.....\$7.12**

In lots of 6, Each.....\$6.57

## "Marvelite" Bed Lamp



E16843—Ivory Finish.  
E16844—English Bronze Finish.  
**YOUR PRICE, Each.....\$3.87**

In Lots of 6, Each.....\$3.57

Gives cool, evenly distributed fluorescent light. Plastic diffusing shield hides the bulb entirely from view. Rubber covered clamp fits securely on any type bed. Easy to operate switch. Approved sockets and ballasts. Uses one T-12 15", 14 watt lamp. Operates on 110-120 V., 60 cycle AC. Shipping wt. 6 lbs. Less bulb.

## Fluorescent Bench Lamp



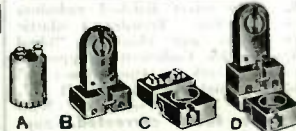
E16778—  
Clamp - on  
Type.

E16779—  
With Mounting  
Flange.

**YOUR PRICE,**  
Each.....\$6.47

In lots of 6,  
each.....\$5.97

Invaluable for use in service shops, factories, etc. Provides cool, shadowless, non-glare light for eye comfort when engaged in exacting work.  
**Clamp-On Lamp.** Securely fastens to desk, bench, table, etc., not exceeding 2" in thickness. **Screw-on flange** for flush mounting on benches, walls, ceilings, etc. Provides excellent illumination for any type of work. Arm allows reflector to be positioned over any portion of desk or to be swung clear. Shade can be adjusted to any convenient working angle. Height is adjustable from 14" to 26". On-off switch in shade. Entire lamp of baked-on ripple brown enamel. Completely wired, including auxiliary and 9 ft. Underwriters approved rubber cord and plug. Uses one T-8, 18" 15 watt bulb. Supplied less bulb. Shpg. wt. 12 lbs.



### (A) Starter Switches

For use with sockets listed below and ballasts at left.

E14362—FS2 15-20 watt.

E14363—FS1 30-40 watt.

Each.....26c 10 for.....\$2.40

E14369—FS6 100 watt.

Each.....66c 10 for.....\$6.00

### (B) Lamp Socket Only

Fits 14 to 40 watt Lamps.

Each 10 for

E14364—Black 16c \$1.44

E14365—White 18c 1.62

E14368—White for 65 or 100 watt

Each.....34c 10 for.....\$3.06

### (C) Starter Socket Only

E14370—Black for FS2 or FS4

sockets.

Each.....13c 10 for.....\$1.17

E14371—Black for FS6 Switch.

Each.....25c 10 for.....\$2.25

### (D) Comb. Lamp and Starter Socket

Fits 15 to 40 watt lamps and starters.

Each 10 for

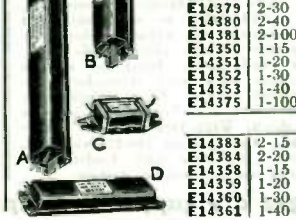
E14366—Black 28c \$2.52

E14367—White 30c 2.70

E14372—White, for 65 or 100 watt

lamps and starter.

Each.....59c 10 for.....\$5.31



## Fluorescent Lamps

Standard types—G.E. or Hygrade-Sylvania Brands



Daylight—Produce clear light with bluish "daylight" tinge. Bright White—Nearly clear tube and produce strong white light. Soft White—"Frosted" tube and produce soft diffused white light. Use 6 lot price when ordered with any fixture from this catalog.

Stock Num.	Watts	Bulb Type	Bulb Dis.	Bulb Lgth.	Color	List Price	Lots of 6 Net Ea.
E14275	14	T12	1 1/2"	15"	Daylight	\$0.80	\$0.64
E14259	15	T8	1 1/2"	18"	Daylight	.65	.51
E14260	15	T8	1 1/2"	18"	Bright White	.65	.51
E14261	15	T8	1 1/2"	18"	Soft White	.75	.60
E14263	20	T12	1 1/2"	24"	Daylight	.80	.64
E14264	20	T12	1 1/2"	24"	Bright White	.80	.64
E14262	20	T12	1 1/2"	24"	Soft White	.90	.72
E14265	30	T8	1 1/2"	36"	Daylight	.80	.64
E14266	30	T8	1 1/2"	36"	Bright White	.80	.64
E14268	30	T8	1 1/2"	36"	Soft White	.90	.72
E14273	40	T12	1 1/2"	48"	Daylight	1.15	.92
E14276	40	T12	1 1/2"	48"	Bright White	1.15	.92
E14277	40	T12	1 1/2"	48"	Soft White	1.30	1.04
E14278	100	T17	2 1/4"	60"	Daylight	2.60	2.08
E14279	100	T17	2 1/4"	60"	Bright White	2.60	2.08

Standard Package quantity is 24, except 100 watt which is 12 to a Std. Pkg. Standard Package discount (Lot one size—color may be assorted) is 25% from List Price.

## Fluorescent Lamp Ballasts

Ballasts With Compensators, High Power-Factor

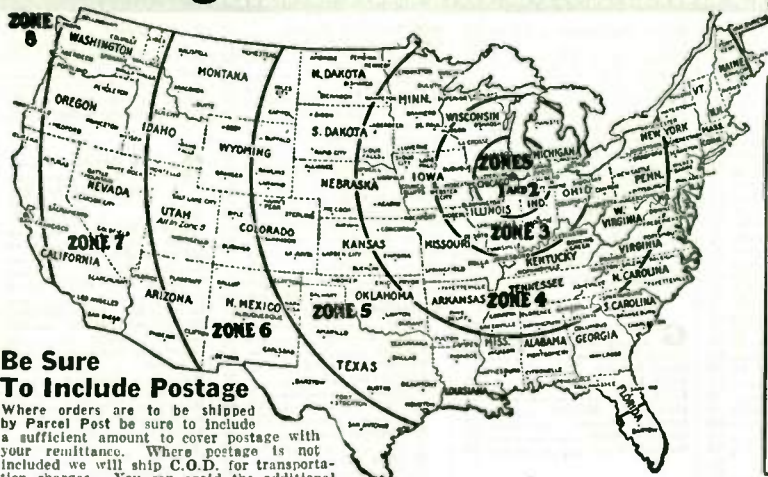
Num.	Watts	Size Inches	Mtg. Centers	Type	Each	10 Lots, Each
E14377	2-15	1-1/4x2-1/4x14	13-3/4	C	\$ 3.41	\$2.92
E14378	2-20	1-1/4x2-1/4x14	19-3/4	A	3.41	2.92
E14379	2-30	1-1/4x2-1/4x20	19-3/4	B	5.16	4.42
E14380	2-40	1-1/4x2-1/4x17	16-3/4	B	4.90	4.20
E14381	2-100	1-1/4x3-1/4x19-3/4	2x18-3/4	B	10.16	8.62
E14350	1-15	1-1/4x2-1/4x8-3/4	8-3/4	A	2.62	2.25
E14351	1-20	1-1/4x2-1/4x8-3/4	8-3/4	A	2.62	2.25
E14352	1-30	1-1/4x2-1/4x14-3/4	13-3/4	C	3.72	3.18
E14353	1-40	1-1/4x2-1/4x14-3/4	13-3/4	C	3.72	3.18
E14375	1-100	2-1/4x3-1/4x13-3/4	13-3/4	C	7.00	6.00

### Ballasts, Normal Power-Factor

Num.	Watts	Size Inches	Mtg. Centers	Type	Each	10 Lots, Each
E14383	2-15	1-1/4x1-1/4x8-3/4	5-1/2 to 6 1/2	A	\$1.05	\$0.90
E14384	2-20	1-1/4x1-1/4x8-3/4	5-1/2 to 6 1/2	A	1.05	.90
E14358	1-15	1-1/4x1-1/4x4-3/4	3-1/4 to 4-3/4	D	.57	.48
E14359	1-20	1-1/4x1-1/4x4-3/4	3-1/4 to 4-3/4	D	.57	.48
E14360	1-30	1-1/4x2-1/4x8-3/4	8-3/4	A	2.10	1.80
E14361	1-40	1-1/4x2-1/4x8-3/4	8-3/4	A	2.10	1.80



# It's Easy to Figure Delivery Charges on Your Order



## Be Sure To Include Postage

Where orders are to be shipped by Parcel Post be sure to include a sufficient amount to cover postage with your remittance. Where postage is not included we will ship C.O.D. for transportation charges. You can avoid the additional expense of C.O.D. collections by sending sufficient postage. Any excess amount sent for Parcel Post charges will be promptly credited.

**Table of Approximate Rates**  
Per 100 lbs. for Express and Freight

From Chicago to	Express per 100 Pounds	1st Class Freight per 100 Lbs.	From Chicago to	Express per 100 Pounds	1st Class Freight per 100 Lbs.
Alabama	\$3.75	\$2.40	Nebraska	\$3.90	\$2.25
Arizona	7.30	4.12	Nevada	9.10	4.75
Arkansas	3.59	1.60	N. Hampshire	4.00	1.49
California	10.05	4.75	New Jersey	3.75	1.43
Colorado	6.15	3.65	New Mexico	3.60	1.35
Connecticut	3.85	1.49	New York	3.35	1.18
Delaware	3.70	1.42	No. Carolina	4.75	2.50
Florida	5.05	2.20	No. Dakota	4.50	2.60
Georgia	3.50	2.32	Ohio	2.15	.80
Idaho	7.90	4.50	Oklahoma	3.85	2.14
Illinois	1.85	.75	Oregon	9.75	5.10
Indiana	1.65	.70	Pennsylvania	3.75	1.40
Iowa	2.57	.98	Rhode Island	4.00	1.49
Kansas	3.80	2.04	So. Carolina	4.10	2.29
Kentucky	2.20	.98	South Dakota	4.35	2.65
Louisiana	4.20	2.06	Tennessee	3.30	1.75
Maine	4.50	1.49	Texas	7.15	3.37
Maryland	3.45	1.25	Utah	6.90	4.13
Massachusetts	4.00	1.49	Vermont	3.95	1.60
Michigan	3.95	1.09	Virginia	3.60	1.39
Minnesota	3.60	1.49	Washington	9.45	5.10
Mississippi	3.75	1.80	West Virginia	2.95	1.03
Missouri	2.62	1.35	Wisconsin	2.65	.60
Montana	5.35	3.75	Wyoming	5.50	3.50

**NOTE:**—To estimate Express charges for shipments under 100 pounds. The minimum charge for a one pound package sent by Express is 25c, ranging up to 45c for highest rate. Beginning with the minimum, charges are increased according to weight of package. For instance the 10 pound rate varies from 30c to \$1.00. The poundage rate varies from about 65% down to about 55% of the hundred pound rate for 50 pounds (from 90c to \$3.62) with the charges for intermediate weights above and below 50 lbs. in approx. proportion.

## Fastest Delivery

We are constantly striving to "cut-time" and to set new speed records on our excellent Shipping Schedule. Most orders under ordinary conditions have been shipped the same day received. You cannot afford unreasonable delay. Radolek service means delivery right to your door of the exact merchandise you want, quickly and exactly as ordered.

## Equipped For Service

The most modern stock and shipping equipment—a hustling organization and an experienced and capable management—all combine to give your orders the individual attention that you want.

## Prices Quoted

Prices quoted are for usual commercial quantities. If you can use any items listed in larger quantity, please write for special quotation stating quantity you can use.

"List Prices" shown are those suggested by the manufacturers or by us and are intended as a guide to you in setting an average retail or installed price. "Your Price" or "Net Price" is the net price you pay. The cash discount has also been deducted.

## SEND NO MONEY

*We Will Ship C.O.D.*

You need not send a remittance with your order unless you wish to do so. We will ship C.O.D. any merchandise shown in our catalog, but we request that new customers or their first orders, or orders for heavy merchandise to be shipped to distant points be accompanied by a 25% deposit if to be shipped C.O.D. Most of our customers prefer to send cash with order, thereby eliminating delay and unnecessary expense of C.O.D. collection. You may remit by post office or express money-order, bank draft or personal check, as you prefer. If you send currency be sure to register the letter for we cannot be responsible for cash lost in the mails.

## Prices Subject to Market Change

We expect to be able to maintain prices quoted for a reasonable time. However we reserve the right to revise prices should market conditions compel us to do so. Should any prices advance we will protect you against increased prices for as long as is reasonably possible. We pledge ourselves not to profiteer—we will not raise prices unnecessarily. But where prices are advanced generally on primary markets we may be obliged to make adjustments.

On sales in the State of Illinois we reserve the right to increase our prices, to the extent of any increase in cost of doing business, that may be occasioned by the Illinois State Occupation (Sales) Tax Act.

Likewise on shipments to other states, should taxes of any nature be imposed we reserve the right to add the amount of such taxes to our sale prices.

## How to Order

Send your orders on our convenient Purchase Order forms, or in any other manner convenient to you. Be sure to specify Stock Number and Price of each item. Print your Name and Address plainly.

We will ship C.O.D. Most of our customers prefer to send cash with order to avoid extra collection costs. All orders for heavy merchandise to be shipped to distant points should be accompanied by a 25% deposit.

## Your Order Solicited

We solicit orders from those actively and commercially engaged in the radio industry, Manufacturers, Radio Dealers, Radio Servicemen—Industrial and Institutional Laboratories, Public Utilities, Schools, Colleges, Engineers, Experimenters, Radio Amateurs whether registered or not, and those recognized as engaged in developing the Art of Radio. We will also solicit orders from the United States Government, Federal Institutions, State, County, Municipal and other governmental bodies and institutions.

## Payment Terms

Our terms are cash with order or C.O.D. Catalog prices are Net—F.O.B. Chicago or factory. All Trade and Cash Discounts have been deducted. While we do not impose minimum order restrictions on our old customers, it will profit you to make up at least \$5.00 orders to avoid additional exchange charges. We will be obliged to pass on to you the exchange charge, made by the Banks, on all personal checks for less than \$5.00. C.O.D. orders from new customers should be accompanied by a 25% deposit.

## Parcel Post Rates

The limit in size is 100 inches in length and girth combined. The postage on any parcel over 84 inches and weighing less than 10 pounds will be chargeable for 10 pounds at the zone rate.

**Table for Packages Weighing ½ pound to 20 pounds**

	Zones 1&2	Zone 3	Zone 4	Zone 5	Zone 6	Zone 7	Zone 8
Weight in Pounds Up to	Up to 150 miles from Chicago	150 to 300 miles from Chicago	300 to 600 miles from Chicago	600 to 1,000 miles from Chicago	1,000 to 1,400 miles from Chicago	1,400 to 1,800 miles from Chicago	Over 1,800 miles from Chicago
1	\$0.08	\$0.09	\$0.10	\$0.11	\$0.12	\$0.14	\$0.15
2	.11	.13	.14	.17	.19	.23	.26
3	.11	.13	.14	.17	.19	.23	.26
4	.12	.15	.16	.21	.27	.33	.41
5	.13	.17	.18	.24	.33	.40	.50
6	.14	.19	.28	.38	.47	.59	.70
7	.16	.21	.31	.43	.54	.68	.81
8	.17	.25	.38	.49	.61	.77	.92
9	.18	.27	.42	.54	.68	.86	1.03
10	.18	.27	.42	.59	.75	.95	1.14
11	.19	.29	.45	.64	.82	1.04	1.25
12	.21	.31	.49	.70	.89	1.13	1.36
13	.22	.33	.52	.76	.96	1.24	1.50
14	.23	.35	.56	.80	1.03	1.34	1.58
15	.24	.37	.59	.86	1.10	1.40	1.69
16	.25	.39	.63	.91	1.17	1.49	1.80
17	.26	.41	.68	.98	1.24	1.68	1.91
18	.27	.43	.71	1.02	1.31	1.77	2.02
19	.28	.45	.73	1.07	1.38	1.86	2.13
20	.29	.47	.77	1.12	1.45	1.85	2.24

For packages over 20 pounds and up to 70 pounds. ADD for each pound:

1.1c	2c	3½c	5c	7c	9c	11c
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**NOTE:**—Packages weighing under ½ pound allow 1½c per ounce. Packages over ½ pound (8 oz.) and not more than 1 pound take 1 pound rate.

Packages weighing over 1 pound and less than 2 pounds take the 2 pound rate. Always use the next higher pound rate for pounds and fractional pounds. **FOR EXAMPLE:**—1½ pounds requires 2 pound rate, 2¾ pounds requires 3 pounds rate.

## SHIPPING ALLOWANCE

*On Orders of \$25.00 or Over*

We will make a transportation allowance of 2% except where merchandise is already quoted prepaid and with the exception of "A" "B" and "C" Batteries.

This allowance can be applied on Parcel Post, Express or Freight Shipments. The allowance can be applied directly on Parcel Post Shipments. On Express and Freight Shipments it is usually necessary for us to make shipment charges collect, so that on Express and Freight Shipments you may make this deduction directly on your order or we will send you a credit for the amount of the allowance.

## Remember

This transportation allowance of 2% applies only on orders for over \$25.00 and is not to be confused with the cash discount allowance of 2% which is already deducted from the Net Prices as quoted in this Profit Guide.

## We Ship Subject to Inspection

We will ship any merchandise ordered, subject to your inspection if shipment is to go forward by express. In this manner, you may see the merchandise at the express office before you accept shipment, if you so prefer. If you desire inspection privileges, be sure to so state plainly on your order.



WE WILL SEND YOU A GENEROUS SUPPLY OF ORDER BLANKS ON REQUEST

Page 96



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## Meissner "Analyst"

Services by Signal Tracing

4-Range Electronic Voltmeter

E17349 — Meissner Analyst. Complete with tubes, test leads and operating instructions. Ready for operation. **\$9625**

YOUR PRICE. **\$9625**

The latest type servicing instrument using the signal tracing method. Five channels trace signal from antenna to speaker. Quickly solves the most difficult receiver failures. All indications read on four magic eyes. Audio Channel permits complete analysis of the audio system of any set including gain measurements, hum location, etc. Electronic Voltmeter with a constant input of 10 megohms on five ranges of 0 to 500 volts checks all operating and control voltages without affecting receiver performance. Oscillator Channel for complete analysis of oscillator circuits of super-hets. RF-IF Channel for tracing signals through the RF and IF systems of any receiver. Range, 95 to 1700 kc. Line Current Indicator shows power consumption of receiver. All controls accurately calibrated and clearly marked. Any number of channels may be used at same time. Uses type 1-68Q7, 1-6FG, 3-68K7, 1-6E6, 1-1852, 1-6X5G and 6-6E5 tubes. Extremely easy to operate. Cabinet finished in black crackle. Size, 9½x13½x10¼". Ship. wt., 35 lbs.

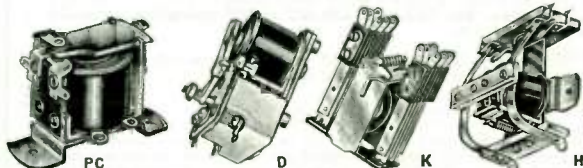
## Economy Portable P. A. System

With Crystal Microphone

D15055 — Complete Portable P.A. System. For 110-120 volt, AC or DC operation. **\$2395**

**YOUR PRICE**  
An amazingly low priced complete portable P.A. sound system. Includes a 4 tube AC-DC 3 watt amplifier with tubes, speaker, desk stand with removable base, crystal microphone and carrying case. Has a dozen of useful applications. Use it in restaurants, stores, clubs, homes, etc. for demonstration, speech amplification, entertainment, etc. Plays anywhere on AC or DC. Compact and easy to carry. Sets up in a jiffy—as easy to use as a radio. Can be used with any record player having a high impedance pickup. Uses used, 12J7, 12J5, 50L6, and 3Z5. Has tone control and volume control with on-off switch. Delivers surprisingly high output with good frequency response. Amplifier can be used up to 30 ft. away from the PM speaker which is mounted in the case. Fine durable airplane cloth covered case houses all equipment. Case size 10½x10½x4¼". Net wt. 7 lbs.

## Allied Transmitter and Industrial Relays



Type PC. High quality, compact relays having a multitude of applications. Especially suited for remote control of electrical equipment, amateur uses, etc. Size, 2½x1½x1½" high. Two movement insulated from base. SPDT switch action contacts rated 5 amperes at 125 volts AC.  
**C4993**—For use in plate circuits of tubes. 2500 Ohm coil closes contact at 3 Ma., opens at 5 Ma. **\$147**  
**YOUR PRICE**  
**C4989**—As above but with 5000 ohm coil. **\$211**  
**YOUR PRICE**  
**C4990**—With 6 volt DC coil. **\$147**  
**YOUR PRICE**  
**D4991**—With 6 V. AC coil **\$157**  
**YOUR PRICE**  
**C4992**—With 110 V. AC coil. **\$157**  
**YOUR PRICE**  
**Radolek can supply Relays for any purpose, either Amateur or Industrial. Send us your order. It will be filled at Lowest Prices.**

Type D. Contacts rated at 10 amps. 125 volts AC. Vacuum impregnated layer wound coils. D.P.D.T. switch action. For antenna transfer, filament control, dynamotor starting, etc.  
**D4950**—With 6 V. AC coil. **\$426**  
**YOUR PRICE**  
**D4951**—With 110 V. AC coil. **\$426**  
**YOUR PRICE**  
Type K. Contact rating, 1 amp. at 110 volt AC. Phosphor bronze springs.  
**D4952**—4-P.D.T. with 110 volt AC coil. **\$377**  
**YOUR PRICE**  
**E4958**—2-P.D.T. with 110 volt AC coil. **\$304**  
**YOUR PRICE**  
Type H. For switching bands, crystal or tank circuits. Alsinag insulation. Low-loss type.  
**D4954**—With 6 V. DC coil. **\$456**  
**YOUR PRICE**  
**D4955**—With 6 V. AC coil. **\$544**  
**YOUR PRICE**  
**D4956**—With 110 V. AC coil. **\$544**  
**YOUR PRICE**

## "Little Triplets" Pocket Meters

The Little Testers With The Big 3 Inch Meters



A complete series of matched pocket size testers. Each instrument is completely self contained and incorporates a Triplet 3 inch sq. "Red-Dot" Lifetime Guaranteed. D'Arsonval movement meter. Large easily readable scales. Red molded cases, size 3½x5½x2½". Panels are ivory with red markings and trim. Selector switch used on all models except ammeters instantly selects desired range. No test leads included.

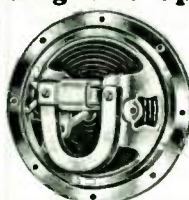
**YOUR PRICE, Each, \$1078**  
Any Type Below.....

**D17162**—Model 673—AC Voltmeter, rectifier type. Ranges 0-5-10-25-50-100-250-500-1000 AC volts.  
**D17163**—Model 675—DC Milliammeter. Ranges 0-1-5-10-25-100-250-500-1000 DC milliamperes.  
**D17164**—Model 676—DC Microammeter. Ranges 0-50-100-250-500-1000 DC microamperes. External resistors can be used in series with this meter to provide highly sensitive volt- meter readings at 20,000 ohms-per-volt.  
**D17165**—Model 677—DC Voltmeter. Ranges 0-1-2.5-5-10-25-50-100-250-500-1000 DC Volts at 1000 ohms per volt sensitivity.  
**D17166**—Model 678—Ohmmeter. With self contained batteries for readings from .2 ohms to 10 megohms. Ranges: 0-1000-10,000-100,000 ohms and 0-1-10 megohms. Has 10 ohm center scale reading on the 1000 ohm scale

**D17167**—Model 674—DC Ammeter. Ranges 0-1-2.5-5-10-25 DC amperes. Equipped with 6 terminal posts instead of selector switch.  
**D17168**—Model 672—Three Range AC Voltmeter for general power line testing. Ranges 0-150-300-750 AC volts.  
**D17169**—Model 671. AC Milliammeter. Ranges 0-5-10-25-50-100-250-500-1000 AC milliamperes.  
**D17170**—Model 670—AC Ammeter. Ranges 0-1-2.5-5-10-25 AC amperes. Equipped with 6 terminal posts instead of selector switch. (For use on 60 cycles).

**Carrying Case for Above**  
**D17171**—Carrying case with compartment. Holds any three "Little Triplets" listed above. Size 10½x10½x4¼". **\$294**  
**YOUR PRICE**

## Magnetic Speakers



Very fine tone qualities. Heavy pressed steel frame, cadmium plated. Heavy magnet with improved balanced armature. Unit, D.C. resistance 1000 ohms. Will match most output tubes.

Stock Number	Overall Diameter	Overall Depth	YOUR PRICE
D15778	3"	2½"	\$1.30
D15779	3"	2"	1.38
D15782	3"	2"	1.38
D15783	8½"	3½"	2.18

## Tube Sockets

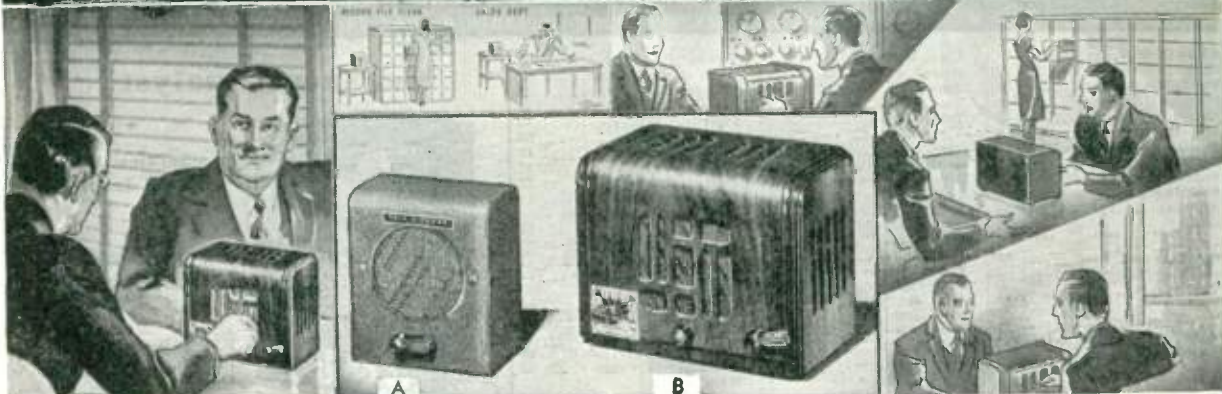


Flush mounting molded bakelite sockets. Metal mounting plates equipped with 3 lugs. Mounts in 1½" holes. Mtg. ctrs. 1½". Requires 18" hole, 1½" mtg. ctrs.

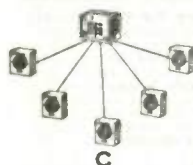
Stock Number	Number Prongs	PRICE EACH	Ten for	100 for
D11993	4			
D11994	5			
D11995	6			
D11996	7			
D11997	8			
D11998	9			
	*Octal			
		<b>5¢</b>	<b>45¢</b>	<b>\$4.19</b>



# RADOLEK INTERCOMMUNICATORS



## Master Selective Intercommunicator



The most economical system to install and operate, yet fulfills most intercom requirements. Designed for use where an executive or other centrally located person wishes to call up to five outlying Sub-stations. Each Sub-station can be called individually for private conversation, or all Sub-stations can be called at one time for paging purposes. All Sub-stations can call or answer the Master station, but Sub-stations cannot call each other.

Power output supplies sufficient volume from substation for calls to be heard up to 50 feet from substation. Volume level is controlled at master station. As much as 2000 feet of wire may be used between master and substations without cutting down efficiency. Quiet position shuts out noise unless substation or master calls. Master station is housed in wood cabinet of polished Walnut, size 9 1/4" long x 5 3/4" deep x 8" high. Sub-station is housed in Brown wrinkle enamel metal cabinet, size 5 3/4" long x 3 3/4" deep x 7" high. For 105-120 volts AC or DC operation. Operates as shown in diagram C.

D17685—Type B Master station for up to 5 substations. Complete with tubes and instructions, less connecting cable. List Price, \$34.00.  
**YOUR PRICE \$19.95**

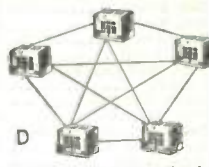
D17686—Type B Master Station for up to 10 Substations. Identical in features and operation to master described above but will operate any number of substations up to 10. Complete with tubes and instructions. Less connecting cable. List, \$42.50.  
**YOUR PRICE \$24.95**

D17687—Type A Substation for use with either of above master stations. Less connecting cable. List, \$12.50.  
**YOUR PRICE \$7.25**

D16565—Master to substation connecting cable. 10 ft. for.....28c

## Super Selective Intercommunicator

The most flexible and versatile intercom setup. For use where the greatest amount of utility is required from an inter-communicating system. Consists entirely of master stations and any number from two to five may be used. Any station may call and converse with any other station with complete privacy. Two complete conversations may be maintained at the same time without interference from another station.



Will operate with full power with up to 2000 ft. of cable between furthest units. Volume may be adjusted at each master from a whisper to a loudness that can be heard 25 to 50 feet away. Silent feature prevents noise between conversations yet does not interfere with incoming calls. Cabinet is of choice walnut, 9 1/4" x 5 3/4" x 8". For 105-120 Volt AC-DC.

D17691—Type B Master station for up to 5 sta. use. Complete with tubes and instructions, less cable. List, \$39.75  
**YOUR PRICE \$23.50**

D16568—Connecting cable for up to 5 stations. 10 ft. for.....85c

D17692—Type B Master station for use in a 10 master sta. group. Up to five 2-way private conversations may take place without interference. Complete with tubes and instructions, less cable. List, \$44.75.  
**YOUR PRICE \$26.50**

D16567—Connecting cable for up to 10 stations. 10 ft. for.....\$1.30

## Combination Systems

Similar to above systems but allows intermixing of master stations and substation as shown in diagram E permitting the following type of intercommunication, (1)—Master stations may converse with each other, (2)—Any master may call an substation, (3)—Each master may in addition have substations which it alone may call. For 105-120 Volt AC-DC.

	List Price	YOUR PRICE
D17693—Type B 5 Sta. Master	\$42.50	\$24.95
D16561—Cable for above 10 ft. for	1.10	
D17694—Type B 10 Sta. Master	39.95	29.75
D16562—Cable for above 10 ft. for	1.50	
D17695—Type A Substation	11.25	6.75
D16563—Cable for connecting Substa. to Master Sta.	10 ft. for	18c

## DeLuxe Intercommunicator with Earphone



used and a privacy earphone is included with each master. When it is in use communicator acts like a telephone, voice does not come out of loudspeaker and loudspeaker is used only as a microphone. Housed in wood cabinet of polished walnut, size 12"x6 1/2"x5 3/4". For 105-120 Volt AC-DC operation.

D17688—Type F DeLuxe Master Selective Station for use with up to 10 substations, operates as shown in diagram C. Complete with privacy earphone, tubes and instructions, less cable. List Price, \$64.00.  
**YOUR PRICE \$37.95**

D17689—Type G DeLuxe Substation only in wood cabinet of polished Walnut, size 7 1/4"x3 3/4"x6 1/4". List, \$18.95.  
**YOUR PRICE \$11.25**

D16566—Connecting cable for interconnecting masters to substation. 10 feet for.....45c

D17690—Type F DeLuxe 10 station Master for use in a Super Selective setup in conjunction with 9 other masters. Operates as shown in diagram D. Complete with privacy earphone, tubes and instructions. List Price, \$64.00.  
**YOUR PRICE \$37.95**

D16567—Cable for interconnecting master stations. 10 ft. for.....\$1.30

## Power Stage for Paging

### For use in Noisy Locations

Designed for use in conjunction with the master units listed on this page for high power paging where large areas must be covered in noisy locations. An unlimited number of power stages may be connected together in a single network, operating from a single channel of the master. Also additional speakers may be connected to each power stage obtaining their power from it. Volume may be adjusted to desired level at each power stage. Power stages may have up to 3000 ft. of cable connected between it and the master station. Housed in sturdy brown wrinkle enamel steel case, size 12"x12"x8". Complete with 8" 20 oz. magnet PM Speaker. For 105-120 Volt AC operation.



D17696—Type H 15 watt Power Stage. Complete with tubes and instruction less cable. List, \$54.00.  
**YOUR PRICE \$31.75**

D17697—Type H 8" PM Extension speaker in metal case. Less Switch and Volume Control. List Price, \$19.95.  
**YOUR PRICE \$11.75**

D16563—Cable for connecting power stages to master stations. 10 feet for 18c

## Communicator for Use with Power Stages

Power stages in themselves cannot be used for talkback to master station. Talkback feature is required the communicator station is connected to power stage and talkback to master is carried on over this unit. For use with Master Selective and Combination Masters only.

D17698—Type A Communicator station only. List Price, \$12.50.  
**YOUR PRICE \$7.25**

D16563—Cable for connecting communicator station to power stage. 10 feet for.....18c

D16565—Cable for connecting communicator station to Master station (eliminates connection between master station and power stage). 10 feet for.....28c



# DeLuxe Phono-Radio Combination

Two Instruments  
for the Price of One

E17651—Table Model Phono Radio Combination complete with tubes. For 110 V. 60 Cye. AC. operation. Size 8 $\frac{3}{4}$  x 16 x 13" deep.  
**YOUR PRICE, \$29<sup>50</sup>**  
Each .....



**Gives you double the value for your money**—a phonograph of the very finest quality that plays both 10" and 12" records and a 5 tube AC superheterodyne radio set.

The record player section consists of a 10" turntable, rim driven at 78 R.P.M. by a self-starting, constant speed AC motor. The phono pickup is the latest true-tracking crystal type that gives clear true-tone reproduction of all commercial and acetate type phonograph records up to 12" in diameter.

The radio set is a 5 tube AC superheterodyne. Heavy duty dynamic speaker delivers rich tone quality. A built-in antenna eliminates the need for unsightly external aerial and ground wires. Has tone control. Automatic volume control minimizes fading. Large airplane type dial is calibrated in meters (200 to 550) and kilocycles (1500 to 550).

The whole assembly is attractively housed in a two-tone walnut veneer cabinet that has instant eye appeal. A hinged cover gives access to the phonograph compartment.

A fine quality instrument. Excellent tone quality on both Radio and Phonograph. Plenty of volume controllable to exact pitch desired.

## NEWEST RECORD PLAYERS WITH BUILT-IN AMPLIFIERS



Completely self-contained electric phonographs. Will play 10 or 12" records at 78 R.P.M. No additional accessories required as each unit has its own built-in 2 watt amplifier and PM Dynamic speaker. Amplifier uses 3 tubes in an inverse feedback circuit that develops a rich faithful tone

**D17660**—Economy electric table model, smartly housed in leatherette covered case, size 7 $\frac{1}{2}$ " wide x 12" deep x 8 $\frac{3}{4}$ " high. Complete as described above with high fidelity offset crystal pickup, pickup arm rest, volume control, on-off switch and tubes. No accessories required.  
**YOUR PRICE, \$16<sup>00</sup>**  
Each .....

**D17661**—DeLuxe table model. Smartly designed walnut cabinet with hinged lid. Plays 10 or 12" records with lid closed. Cabinet size 14 $\frac{1}{2}$ " long x 12 $\frac{1}{2}$ " deep x 9 $\frac{1}{4}$ " high. Complete as described above except also includes needle cup and jeweled pilot light.  
**YOUR PRICE, \$25<sup>75</sup>**  
Each .....

quality. Phono motor is self-starting rim drive type running at 78 RPM. Also included are high fidelity offset head crystal pickup, pickup arm rest, volume control and on-off switch. Complete with tubes. 110-120 Volt 60 cycle AC operation.

**D17662**—Portable Type. Similar to other models except has more powerful amplifier and speaker, needle cup, tone control and changer which plays ten 12" or twelve 10" records. Portable case with carrying handle is covered with airplane luggage cloth. Size, 16 x 16 x 14" high.  
**YOUR PRICE, \$55<sup>25</sup>**  
Each .....

**D17663**—Portable Model in woven effect striped airplane luggage leatherette with hinged lid and handle. Removable compartment holds eight 10" records. Size, 13 $\frac{1}{2}$  x 13 $\frac{1}{2}$  x 11". Complete as described above except includes tone control and needle cup.  
**YOUR PRICE, \$25<sup>25</sup>**  
Each .....

## WIRED AND WIRELESS TYPE RECORD PLAYBACK UNITS



Converts any radio into an electric phonograph. Each model is equipped with 78 RPM self-starting constant speed rim drive electric motor, light weight crystal pickup, arm rest, volume control, on-off switch and needle cup. Plays all 10" and 12" records. Wireless Models do not require connection to radio and will operate with any set. Includes highly efficient built-in 2

Housed in an attractive open type walnut cabinet with graceful roll over effect. Size 12" long x 10 $\frac{1}{2}$ " deep x 4" high.  
**D17664**—Wired Model.  
**YOUR PRICE, \$11<sup>24</sup>**  
Each .....

**D17665**—Wireless Model  
**YOUR PRICE, \$15<sup>25</sup>**  
Each .....

Housed in a handsome walnut cabinet with streamlined curved hinged lid. Cabinet size 13 $\frac{1}{2}$ " long x 10 $\frac{1}{2}$ " deep x 7" high.  
**D17666**—Wired Model.  
**YOUR PRICE, \$15<sup>95</sup>**  
Each .....

**D17667**—Wireless Model  
**YOUR PRICE, \$19<sup>95</sup>**  
Each .....

tube oscillator that allows operation up to 50 ft. from receiver. Wired Models provide better reproduction than wireless models but are recommended for use only with sets having 2 or more tubes in the audio system. For 110-120 Volts 60 cycles AC operation.

Offered in a DeLuxe Cabinet of selected walnut with solid hinged lid. Cabinet size 13 $\frac{1}{2}$ " long x 13 $\frac{1}{2}$ " deep x 8 $\frac{3}{4}$ " high.  
**D17668**—Wired Model.  
**YOUR PRICE, \$17<sup>30</sup>**  
Each .....

**D17669**—Wireless Model  
**YOUR PRICE, \$21<sup>75</sup>**  
Each .....

Portable model in leatherette covered carrying case with hinged lid and sturdy handle. Size 14 $\frac{1}{2}$ " long x 12 $\frac{1}{2}$ " deep x 7" high.  
**D17670**—Wired Model.  
**YOUR PRICE, \$12<sup>75</sup>**  
Each .....

**D17671**—Wireless Model  
**YOUR PRICE, \$17<sup>30</sup>**  
Each .....



# 30 WATT PORTABLE Public Address SYSTEM



## Will Handle Most of Your P. A. Requirements

**Ready to Set Up and Operate  
In Just a Few Minutes**

This new 30 watt Portable P.A. system includes many new features never before included in a system of its size. Features increased operating efficiency, longer trouble free life and more adaptability to every type of installation.

**Three Input Channels** for two microphones and phonograph. Any two channels may be used at same time—two mikes or one mike and phono.

**Dual Rectifiers** for more stable and greater power output. Slow heater rectifiers allow other tube filaments to heat up before plate voltage is applied, preventing destructive power surges.

**Treble-Bass Tone Controls** in a newly designed feedback circuit eliminates distortion. Either low or high frequencies may be accentuated separately or at same time. Many variations possible, providing any tonal requirement.

**True Electronic Mixing System** provides any degree of blending or mixing of the three inputs without crosstalk between channels. Volume of any input channel can be adjusted without affecting volume level of other inputs.

**Separate On-Off Switch.** Power may be turned off without changing setting of controls.

**Polarized Plug-in Connections** provided for the three inputs and three speakers.

**Speaker Impedance Selector Switch** matches speaker impedance to amplifier by simply turning knob. Output impedances available are 2, 4, 8, 16, 250 and 500 ohms for line or voice coil connections.

Radolek Amplifiers and Systems are easy to install and operate and are reliable in operation. You need not have sound or engineering ability or other technical knowledge to obtain best results. By following a few simple instructions anyone can quickly set up and take down this equipment without error. No complicated wiring! Just "plug-in" the easily identified connections and you're all set to go. Speakers and microphones are supplied with cables connected to polarized plugs making it impossible to make wrong connection. Complete installation and operating instructions included. Each individual system is carefully checked by Radolek Engineers. A thorough test of the complete system is made before shipment, assuring you of trouble free operation when you receive it.

**See Pages 76 and 77  
For Additional Information**

Additional Systems, more complete information on amplifier and selection of microphones available with the 30 watt Portable System are given on page 76 and 77.

## Phonograph Attachment

Consists of constant speed phono motor with 9" turntable and high grade crystal pickup mounted on amplifier protective shield. May be substituted in place of regular shield. Amplifier has plug in connection jacks mounted so that all connections are enclosed inside of shield. May be purchased with amplifier or added to amplifier at a later date.

**E15013—Phono attachment unit as described less amplifier.**  
**YOUR PRICE.....\$10.89**



## Prices

### 30 Watt Portable System

**For 105-120 Volts, 50-60 Cycle A.C.**  
**E15023—Complete 30 watt Delux Portable System.** Includes: Amplifier with protective shield. Matched set of all Sylvania Tubes. One microphone with 15 ft. of cable and plug. Detachable floor stand that fits into carrying case. Two heavy duty 12 inch PM speakers, each with 25 ft. of cable and plug. Equipment housed in blue fabric covered carrying case with padding mounted to provide proper weight distribution and balance when carrying. Case size, 20 1/2" high x 12 1/4" deep x 10" wide. Net weight 60 lbs.

**YOUR PRICE.....\$95.75**

### 30 Watt Amplifier Only

**E15019—Radolek 30 Watt Delux Amplifier.** Factory wired and Laboratory Certified. Supplied with protective shield but without tubes.

**YOUR PRICE.....\$39.50**

**E15021—Amplifier with Elgil Matched Sylvania Tubes: 2-6X5, 1-6SC7, 1-6N7, 2-6L6's, and 1-3V4's**

**YOUR PRICE.....\$46.00**



# DeLuxe Phono-Radio Combination

Two Instruments  
for the Price of One

E17651—Table Model Phono Radio Combination complete with tubes. For 110 V. 60 Cye. AC. operation. Size 8½x16x13" deep.

**\$29<sup>50</sup>**

YOUR PRICE,  
Each .....



Gives you double the value for your money—a phonograph of the very finest quality that plays both 10" and 12" records and a 5 tube AC superheterodyne radio set.

The record player section consists of a 10" turntable, rim driven at 78 R.P.M. by a self-starting, constant speed AC motor. The phono pickup is the latest true-tracking crystal type that gives clear true-tone reproduction of all commercial and acetate type phonograph records up to 12" in diameter.

The radio set is a 5 tube AC superheterodyne. Heavy duty dynamic speaker delivers rich tone quality. A built-in antenna eliminates the need for unsightly external aerial and ground wires. Has tone control. Automatic volume control minimizes fading. Large airplane type dial is calibrated in meters (200 to 550) and kilocycles (1500 to 550).

The whole assembly is attractively housed in a two-tone walnut veneer cabinet that has instant eye appeal. A hinged cover gives access to the phonograph compartment.

A fine quality instrument. Excellent tone quality on both Radio and Phonograph. Plenty of volume controllable to exact pitch desired.

## NEWEST RECORD PLAYERS WITH BUILT-IN AMPLIFIERS



Completely self-contained electric phonographs. Will play 10 or 12" records at 78 R.P.M. No additional accessories required as each unit has its own built-in 2 watt amplifier and PM Dynamic speaker. Amplifier uses 3 tubes in an inverse feedback circuit that develops a rich faithful tone

D17660—Economy electric table model, smartly housed in leatherette covered case, size 7½" wide x 12" deep x 8½" high. Complete as described above with high fidelity offset crystal pickup, pickup arm rest, volume control, on-off switch and tubes. No accessories required.

**\$16<sup>00</sup>**

YOUR PRICE,  
Each .....

D17661—DeLuxe table model. Smartly designed walnut cabinet with hinged lid. Plays 10 or 12" records with lid closed. Cabinet size 14½" long x 12½" deep x 9½" high. Complete as described above except also includes needle cup and jeweled pilot light.

**\$25<sup>75</sup>**

YOUR PRICE,  
Each .....

quality. Phono motor is self-starting rim drive type running at 78 R.P.M. Also included are high fidelity offset head crystal pickup, pickup arm rest, volume control and on-off switch. Complete with tubes. 110-120 Volt 60 cycle AC operation.

D17662—Portable Type. Similar to other models except has more powerful amplifier and speaker, needle cup, tone control and changer which plays ten 12" or twelve 10" records. Portable case with carrying handle is covered with airplane luggage cloth. Size, 16 x 16 x 14" high.

**\$55<sup>25</sup>**

YOUR PRICE,  
Each .....

D17663—Portable Model in worn effect striped airplane luggage leatherette with hinged lid and handle. Removable compartment holds eight 10" records. Size, 13½x13½x9". Complete as described above except includes tone control and needle cup.

**\$25<sup>25</sup>**

YOUR PRICE,  
Each .....

## WIRED AND WIRELESS TYPE RECORD PLAYBACK UNITS



Converts any radio into an electric phonograph. Each model is equipped with 78 R.P.M. self-starting constant speed rim drive electric motor, light weight crystal pickup, arm rest, volume control, on-off switch and needle cup. Plays all 10" and 12" records. Wireless Models do not require connection to radio and will operate with any set. Includes highly efficient built-in 2

Housed in an attractive open type walnut cabinet with graceful roll over effect. Size 12" long x 10½" deep x 4" high.

D17664—Wired Model.

**\$11<sup>24</sup>**

YOUR PRICE, Each.

D17665—Wireless Model

**\$15<sup>25</sup>**

YOUR PRICE, Each .....

Housed in a handsome walnut cabinet with streamlined curved hinged lid. Cabinet size 13½" long x 10½" deep x 7" high.

D17666—Wired Model.

**\$15<sup>95</sup>**

YOUR PRICE, Each.

D17667—Wireless Model

**\$19<sup>95</sup>**

YOUR PRICE, Each .....

tube oscillator that allows operation up to 50 ft. from receiver. Wired Models provide better reproduction than wireless models but are recommended for use only with sets having 2 or more tubes in the audio system. For 110-120 Volts 60 cycles AC operation.

Offered in a DeLuxe Cabinet of selected walnut with solid hinged lid. Cabinet size 15½" long x 13½" deep x 8½" high.

D17668—Wired Model.

**\$17<sup>30</sup>**

YOUR PRICE, Each.

D17669—Wireless Model

**\$21<sup>75</sup>**

YOUR PRICE, Each .....

Portable model in leatherette covered carrying case with hinged lid and sturdy handle. Size 14½" long x 12½" deep x 7" high.

D17670—Wired Model.

**\$12<sup>75</sup>**

YOUR PRICE, Each.

D17671—Wireless Model

**\$17<sup>30</sup>**

YOUR PRICE, Each .....



# 30 WATT PORTABLE Public Address SYSTEM



## Will Handle Most of Your P. A. Requirements

### Ready to Set Up and Operate In Just a Few Minutes

This new 30 watt Portable P.A. system includes many new features never before included in a system of its size. Features increased operating efficiency, longer trouble free life and more adaptability to every type of installation.

**Three Input Channels** for two microphones and phonograph. Any two channels may be used at same time—two mikes or one mike and phono.

**Dual Rectifiers** for more stable and greater power output. Slow heater rectifiers allow other tube filaments to heat up before plate voltage is applied, preventing destructive power surges.

**Treble-Bass Tone Controls** in a newly designed feedback circuit eliminates distortion. Either low or high frequencies may be accentuated separately or at same time. Many variations possible, providing any tonal requirement.

**True Electronic Mixing System** provides any degree of blending or mixing of the three inputs without crosstalk between channels. Volume of any input channel can be adjusted without affecting volume level of other inputs.

**Separate On-Off Switch.** Power may be turned off without changing setting of controls.

**Polarized Plug-in Connections** provided for the three inputs and three speakers.

**Speaker Impedance Selector Switch** matches speaker impedance to amplifier by simply turning knob. Output impedances available are 2, 4, 8, 16, 250 and 500 ohms for line or voice coil connections.

Radolek Amplifiers and Systems are easy to install and operate and are reliable in operation. You need not have sound or engineering ability or other technical knowledge to obtain best results. By following a few simple instructions anyone can quickly set up and take down this equipment without error. No complicated wiring! Just "plug-in" the easily identified connections and you're all set to go. Speakers and microphones are supplied with cables connected to polarized plugs making it impossible to make wrong connection. Complete installation and operating instructions included. Each individual system is carefully checked by Radolek Engineers. A thorough test of the complete system is made before shipment, assuring you of trouble free operation when you receive it.

### See Pages 76 and 77 For Additional Information

Additional Systems, more complete information on amplifier and selection of microphones available with the 30 watt Portable System are given on page 76 and 77.

### Phonograph Attachment

Consists of constant speed phono motor with 9" turntable and high grade crystal pickup mounted on amplifier protective shield. May be substituted in place of regular shield. Amplifier has plug in connection jacks mounted so that all connections are enclosed inside of shield. May be purchased with amplifier or added to amplifier at a later date.

E15013—Phono attachment unit as described less amplifier.  
**YOUR PRICE.....\$10.89**



### Prices

#### 30 Watt Portable System

For 105-120 Volts, 50-60 Cycle A.C.  
E15022—Complete 30 watt Delux Portable System. Includes: Amplifier with protective shield. Matched set of Sylvania Tubes. One microphone with 15' of cable and plug. Detachable floor stand that fits into carrying case. Two heavy duty 12 inch PM speakers each with 25' of cable and plug. Equipment housed in blue fabric covered carrying case with padding to provide proper weight distribution and balance when carrying. Case size, 20 1/2" high x 12 1/2" deep x 18" wide. Net weight 60 lbs.

**YOUR PRICE.....\$95.75**

#### 30 Watt Amplifier Only

E15019—Radolek 30 Watt Delux Amplifier. Factory wired and labor free. Complete. Supplied with protective shield but without tubes.

**YOUR PRICE.....\$39.50**

E15021—Amplifier with Eight Matched Sylvania Tubes: 2-6X5, 1-6C7, 1-6N7, 2-6L6's, and 1-5V4's.

**YOUR PRICE.....\$46.00**