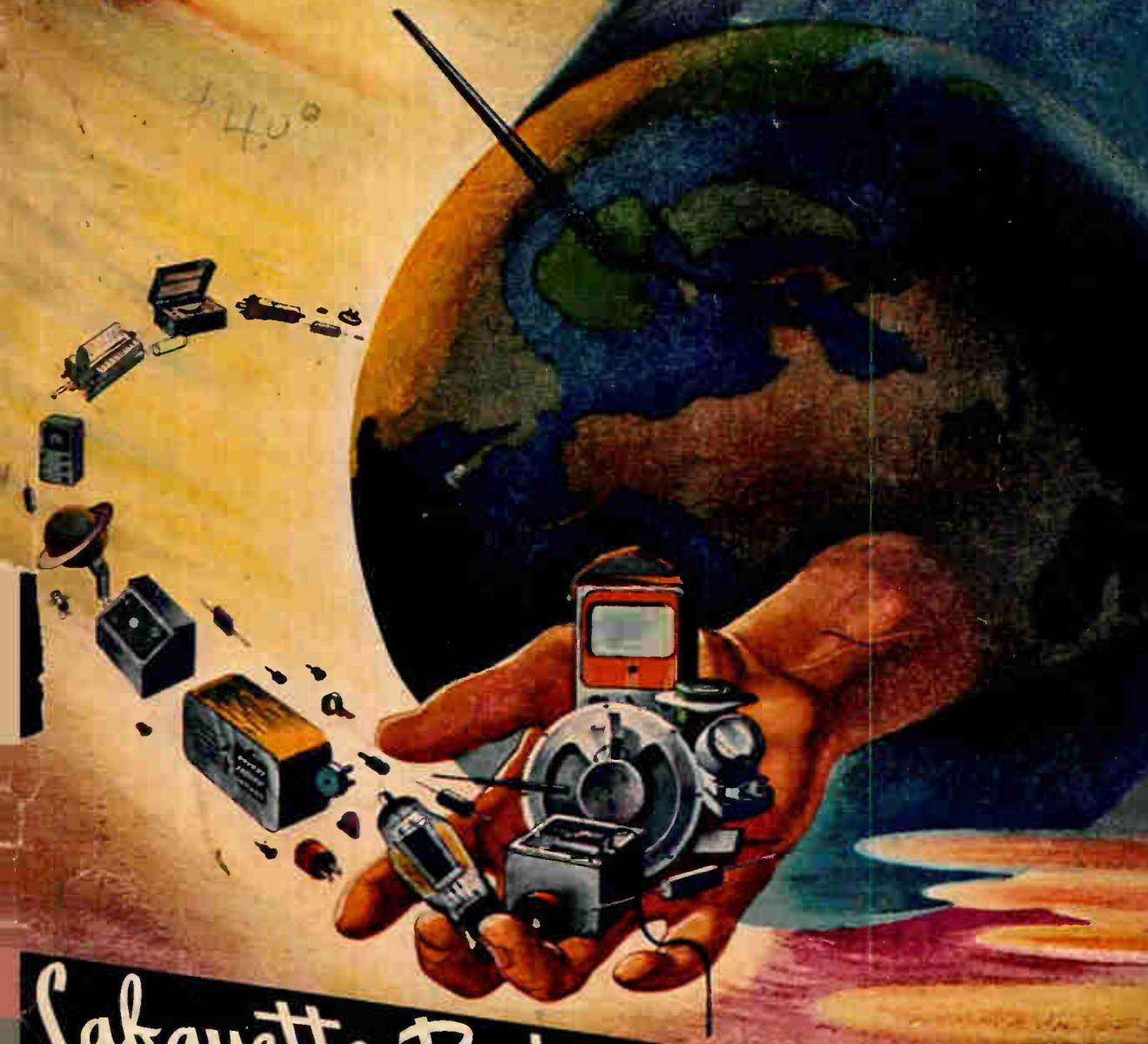


# RADIO AND ELECTRONIC EQUIPMENT



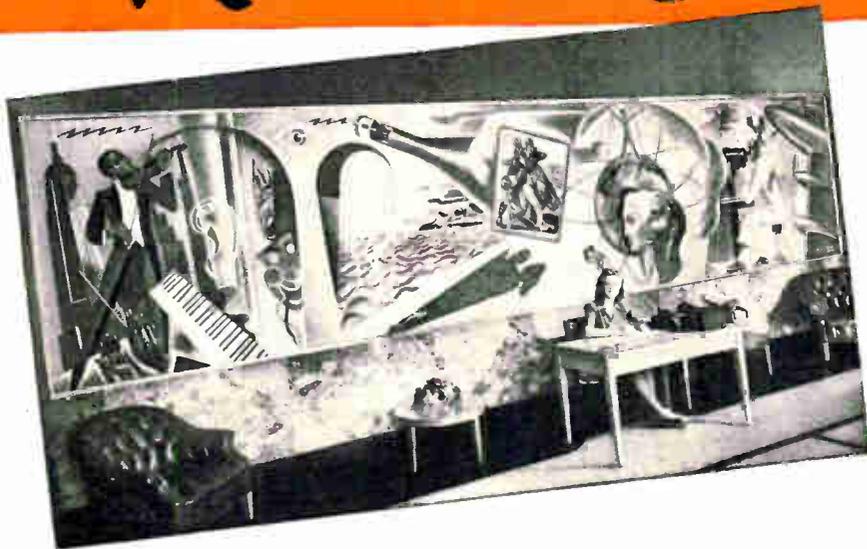
**Lafayette Radio Corp.**

CHICAGO 7, ILLINOIS • ATLANTA 3, GEORGIA  
901 W. JACKSON BLVD. 265 PEACHTREE STREET

CATALOG NO. 94

• 1944 •

# A GREAT ORGANIZATION in Radio and Electronics



Rises to  
new heights  
of service  
to see  
you through!

FOR MORE than twenty years, LAFAYETTE RADIO CORPORATION has been a major supplier of radio and electronic components and equipment to American civilian, industrial and military life. Now, as one of the world's largest radio supply organizations, we are ever striving to rise to new heights of service, that we may do our share in maintaining and making secure the American way of life. With the cooperation of the leading manufactur-

ers in the field, Lafayette stocks are kept exceptionally complete. Our shelves are constantly being replenished—our search for additional merchandise never ends. We are always motivated by the desire to supply you with what you want, when you want it. If we haven't an item you need at the moment, our vast coverage of the field enables us to get it for you—and in a hurry. As always, we maintain our money-back guarantee of satisfaction.

## CHICAGO AND ATLANTA . . . For Faster Service!

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Both Chicago and Atlanta maintain staffs of experienced expeditors to assist you with your priority problems and to assure fastest possible deliveries. In addition, our technical advisers, radio technicians and engineering staff are always at your disposal without charge or obligation.

We have a special division which devotes its entire time to providing super-speed service for war-time industry and the Armed Services. A constant flow of radio and electronic equipment to the military and naval forces with urgent requirements, helps break bottlenecks and speed needed equipment. Bids and advance quotations are invited.

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# Lafayette Radio Corp.

Save Time . . . Save Trouble . . . Save Expense  
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**KEEP BUYING MORE AND MORE WAR BONDS AND WAR STAMPS**

# How to Obtain

## RADIO PARTS AND ELECTRONIC EQUIPMENT

Because of the vital role of radio and electronics in this war, the problem of supply in these fields is undeniably a major one. Therefore, a dependable source of radio and electronic supplies is of paramount importance to American industry, striving to meet production schedules, and to radio dealers and servicemen, working night and day to keep America's radios playing.

The services of LAFAYETTE RADIO CORPORATION in CHICAGO and ATLANTA, the nation's outstanding supplier of radio equipment, can be tremendously helpful to all who require radio and electronic equipment. We are happy in these critical times, and always, to offer our knowledge, our experience and every facility at our command in order that all of us, working together, may hasten the day of victory.

### DEALERS and SERVICEMEN! YOU CAN STILL GET RADIO REPLACEMENT PARTS!

Because radios in the home are such an important factor in maintaining morale and keeping the public well informed, our government is vitally interested in keeping the radio sets of the nation in perfect operating condition. To facilitate the obtaining of necessary replacement parts for this purpose the WPB has issued Limitation Order L265.

### HERE'S THE SIMPLIFIED WAY TO GET NEEDED RADIO PARTS

This order makes it possible for you to obtain radio parts and electronic equipment to be used in YOUR OWN radio or to RESELL merely by contributing the part (s) which are to be replaced to your local salvage drive and signing ONE of the forms below . . . form No. 1 if the equipment is for your own equipment, form No. 2 if you are obtaining the parts or equipment for resale.

### INDUSTRIAL ORGANIZATIONS GOVERNMENT AGENCIES SCHOOLS AND COLLEGES

### Your Radio and Electronic Needs Speedily Supplied

Lafayette Radio Corporation has the "know-how" and the "know-where" that makes for fast delivery of vitally needed radio and electronic parts. That's why so many procurement men, purchasing agents, expeditors for industry, government agencies, the armed forces, experimental laboratories, training schools, etc., look to us FIRST. We can and do supply what they need TODAY—when their need is greatest. Our complete stocks, our years of experience in knowing where and how to get merchandise in a hurry, our extensive procurement facilities are at your complete disposal. Call, write, wire, telephone or teletype—and your problems are on their way to a speedy solution.

For detailed ordering instructions see page 103.

Kindly copy on your order the form below which applies to your purchase.

#### Form No. 1

(Radio parts for your own equipment)

I (we) hereby certify that the part(s) specified on this order are essential for presently needed repair of electronic equipment which I (we) own or operate.

.....  
Signature and Date

Address.....

City and State.....

#### Form No. 2

(Radio parts for resale)

I (we) hereby certify that I (we) am entitled to purchase the items specified on the accompanying purchase order under the provisions of Limitation Order L-265, with the terms of which I (we) am familiar.

.....  
Signature and Date

Address.....

City and State.....

**LAFAYETTE RADIO CORPORATION**  
**CHICAGO 7** 901 W. Jackson Blvd.  
HAYmarket 0422 ★  
Teletype CG320  
265 Peachtree St.  
Phone Walnut 5140  
Teletype AT398 **ATLANTA 3**



# RADIO

Many types of Lafayette and RCA tubes are available to servicemen, etc., under W.P.B. order L-265 (see page 1). Government agencies, industrials, schools, institutions, etc., should include highest priority rating with orders to expedite delivery.

NET PRICES											
TYPE	RCA	LAF.									
01A	\$0.50	\$0.31	2A6	\$0.56	\$0.43	6F5GT/G	\$0.56	\$0.43	6N7†	\$0.91	.....
0A4G	.95	.....	2A7	.62	.48	6F6†	.62	.....	6N7G	.91	\$0.71
0Z4†	.91	.....	2B7	.73	.56	6F6G	.50	.38	6N7GT/G	.91	.....
0Z4G	.91	.71	2E5	.73	.66	6F7	.91	.71	6P5GT/G	.44	.33
1A3	.73	.71	3A8GT	1.35	1.06	6F8G	.73	.56	6P7G	1.35	1.06
1A4P	.91	.71	3B5GT	.....	.83	6G6G	.73	.56	6Q7†	.73	.....
1A5GT/G	.62	.48	3Q4	.91	.83	6H4GT	1.12	.79	6Q7G	.50	.38
1A6	.73	.56	3Q5GT/G	.91	.71	6H6†	.62	.....	6Q7GT	.50	.38
1A7G	.91	.71	3S4	.91	.71	6H6GT/G	.62	.48	6R7†	.91	.....
1A7GT/G	.73	.56	5T4†	1.12	.....	6J5†	.50	.....	6R7G	.62	.48
1B4P	.73	.56	5U4G	.56	.43	6J5GT/G	.50	.38	6R7GT/G	.50	.38
1B5 25S	.73	.56	5V4G	.91	.71	6J7†	.73	.....	6S7†	.91	.....
1B7GT	.73	.....	5W4†	.62	.....	6J7G	.62	.48	6S7G	.91	.71
1C5GT/G	.73	.56	5W4GT/G	.50	.40	6J7GT	.62	.48	6SA7†	.56	.....
1C6	.73	.56	5X4G	.62	.48	6J8G	.91	.71	6SA7GT/G	.62	.48
1C7G	.73	.56	5Y3GT/G	.38	.30	6K5G	.62	.48	6SC7†	.73	.....
1D5GP	.73	.56	5Y4G	.41	.31	6K5GT/G	.62	.....	6SC7GT	.....	.59
1D5GT	.73	.56	5Z3	.62	.48	6K6GT/G	.56	.43	6SD7GT	.73	.59
1D7G	.91	.71	5Z4†	.73	.....	6K7†	.62	.....	6SF5†	.56	.....
1D8GT	1.12	.88	6A3	1.12	.88	6K7G	.62	.48	6SF5GT	.56	.43
1E4G	.....	.63	6A4/LA	.91	.71	6K7GT	.56	.43	6SF7†	.73	.....
1E5GP	.91	.74	6A5G	1.65	1.12	6K8†	.73	.....	6SF7GT	.....	.59
1E7G	1.35	1.06	6A6	.91	.71	6K8G	.73	.56	6SG7†	.73	.....
1F4	.73	.56	6A7	.56	.43	6K8GT	.73	.56	6SG7GT	.....	.59
1F5G	.73	.56	6A7S	1.35	.....	6L5G	.62	.48	6SH7	.73	.....
1F6	.91	.71	6A8†	.73	.....	6L6†	1.12	.....	6SH7GT	.....	.88
1F7GV	.91	.71	6A8G	.56	.43	6L6G	1.12	.88	6SJ7†	.62	.....
1G4GT/G	.62	.56	6A8GT	.56	.43	6L7†	.91	.....	6SJ7GT	.62	.48
1G5G	.73	.56	6AB5 6N5	.91	.71	6L7G	.91	.71	6SK7†	.56	.....
1G6GT/G	.91	.71	6AB7 1853†	.91	.....	6N6G	1.35	1.06	6SK7GT/G	.62	.48
1H4G	.56	.43	6AC5GT/G	.62	.48						
1H5G	.73	.....	6AC7 1852†	1.12	1.06						
1H5GT/G	.62	.48	6AD6G	.91	.71						
1H6G	.73	.56	6AD7G	.91	.83						
1J5G	1.12	.88	6AE5GT/G	.73	.56						
1J6G	.73	.56	6AE6G	.73	.56						
1L4	.73	.....	6AE7GT	.73	.56						
1LA4	1.35	1.06	6AF6G	.91	.71						
1LA6	1.35	1.06	6AG5	1.35	.....						
1LB4	1.35	.....	6AG7†	1.35	.....						
1LC5	.....	1.17	6B4G	1.12	.88						
1LC6	.....	1.17	6B5	1.12	.88						
1LD5	.....	1.17	6B6G	.62	.....						
1LE3	.....	.88	6B7	.73	.56						
1LH4	1.35	1.06	6B7S	1.35	.....						
1LN5	1.35	1.06	6B8†	1.12	.....						
1N5G	.91	.71	6B8G	.73	.56						
1N5GT/G	.73	.56	6B8GT	.....	.56						
1N6G	.73	.56	6C5†	.62	.....						
1P5GT	.91	.71	6C5G	.56	.43						
1Q5GT/G	.91	.71	6C5GT/G	.56	.43						
1R5	.91	.71	6C6	.56	.43						
1SA6GT	.....	.83	6C7	1.35	1.06						
1SB6GT	.....	.83	6C8G	.91	.71						
1S4	.91	.71	6D6	.56	.43						
1S5	.91	.71	6D7	1.35	.....						
1T4	.91	.71	6D8G	.91	.71						
1T5GT	.91	.71	6E5	.62	.48						
1V	.56	.43	6E6	1.12	.88						
2A3	1.12	.88	6E7	1.35	1.06						
2A4G	1.30	1.17	6F5†	.62	.....						
2A5	.56	.43	6F5G	.62	.48						

### TUBE INTERCHANGEABILITY CHART

The following chart is offered merely as a suggestion to assist servicemen and others. The replacements listed have been carefully selected by our service department, but we accept no responsibility for their use and assume that they will only be tried by those entirely familiar with radio servicing theory.

- 1 Rewire, (same socket). Use tube chart and manual for reference.
- 2 Change socket. Rewire accordingly.
- 3 AC only, in three way portables, or sets operating on line.
- 4 Filament shunt. (Not necessary in A. C. sets.)
- 5 Dropping resistor in series with filament.

For Type	Suggested Use	For Type	Suggested Use
0Z4	6x5 <sup>1</sup>	6B6	6Q7, 6SQ7 <sup>1</sup> , 75 <sup>2</sup>
1A4	1B4, 1D5 <sup>2</sup> , 1E5 <sup>2</sup> , 34	6C5	6J5, 6L5, 76 <sup>2</sup>
1A5	1T5 <sup>2</sup> , 1LA4 <sup>2</sup>	6C6	6J7 <sup>2</sup> , 6J7 <sup>3</sup> , 6U7 <sup>2</sup> , 77
1A6	1D7 <sup>2</sup> , 1C6 <sup>2</sup>	6C8	6F8, 7N7 <sup>2</sup>
1A7	1B7, 1LC6 <sup>2</sup>	6D6	6K7 <sup>2</sup> , 6SG7 <sup>2</sup> , 6SK7 <sup>2</sup> , 78
1B7	1A7 <sup>2</sup> 28 ohms	6E7	6D6 <sup>2</sup> , 6S6 <sup>2</sup> , 6U7 <sup>2</sup> , 78 <sup>2</sup>
1C5	1Q5	6F6	6K6, 42 <sup>2</sup>
1D5	1E5, 34 <sup>2</sup>	6H6	7A6 <sup>2</sup> , 42-50 ohms
1E4	1G4, 1LE3 <sup>2</sup>	6K7	6M7, 6R7 <sup>1</sup> , 6S7 <sup>4</sup> 42-50 ohms, 39/44 <sup>2</sup>
1H4	30 <sup>2</sup>	6L6	6V6
1H5	1LH4 <sup>2</sup>	6N7	6A8 <sup>2</sup> , 6Y7, 79 <sup>2</sup>
1LC5	1LN5, 1P5 <sup>2</sup> , 1N5 <sup>2</sup>	6Q7	6SQ7 <sup>1</sup> , 7C7 <sup>2</sup> , 75 <sup>2</sup>
1N5	1E5 <sup>2</sup> , 1LN5 <sup>2</sup> , 1P5	6SA7	6A7 <sup>2</sup> , 6A8 <sup>1</sup> , 6D8 <sup>4</sup> 42-50 ohms
2A3	45	6SC7	7F7 <sup>2</sup>
2A4	2051 <sup>1</sup>	6SK7	6K7 <sup>1</sup> , 6SG7 <sup>1</sup> , 6SS7 <sup>4</sup> 42-50 ohms, 78 <sup>2</sup>
2X2	879	6W5	6X5 <sup>1</sup> 15-20 ohms
5T4	5U4, 5X4 <sup>1</sup> , 83 <sup>2</sup>	6W6	6Y6
5U4	5Z4 <sup>2</sup> , 5X4 <sup>1</sup>	6Z3	1V
5Y3	5Y4 <sup>1</sup> , 5Z4 <sup>1</sup> , 80 <sup>2</sup>	7A4	6C5 <sup>2</sup> , 6J5 <sup>2</sup> , 76 <sup>2</sup>
5Y4	5Y3 <sup>1</sup> , 5Z4 <sup>1</sup> , 80 <sup>2</sup>	7A7	7H7, 7B7 <sup>4</sup> 42-50 ohms, 78 <sup>2</sup>
6A3	6B4 <sup>2</sup>	7B4	6F5 <sup>2</sup> , 6K5 <sup>2</sup>
6A5	6N0 <sup>2</sup>	7B5	6K6 <sup>2</sup>
6A6	6N7 <sup>2</sup> , 6Y7 <sup>2</sup> , 79 <sup>2</sup>	7B6	6Q7 <sup>2</sup> , 6SQ7 <sup>2</sup> , 75 <sup>2</sup>
6A7	6A8 <sup>2</sup> , 6SA7 <sup>2</sup> , 6D8 <sup>2</sup> 42-50 ohms, 7B8 <sup>2</sup>	7B8	7A8 <sup>1</sup> 42-50 ohms
6A8	6A7 <sup>2</sup> , 6SA7 <sup>1</sup> , 6D8 <sup>4</sup> 42-50 ohms, 7B8 <sup>2</sup>		

†Due to present emergency, when out of stock on metal types we will substitute and ship "GT/G" equivalents.

# TUBES

All Lafayette and RCA tubes are guaranteed against mechanical or electrical defects for 6 months from date of purchase. This guarantee does not cover burn-outs or broken tubes. We reserve the right to substitute other first grade tubes of equal quality wherever necessary.



NET PRICES											
TYPE	RCA	LAF.									
6SL7GT	\$0.91	\$0.88	7A8	\$0.73	\$0.56	12E5GT	.....	\$0.71	33	\$0.73	\$0.56
6SN7GT	.73	.56	7B4	.73	.56	12F5GT	\$0.56	.43	34	.73	.56
6SQ7	.56	.....	7B5	.73	.56	12H6†	.62	.....	35	.56	.43
6SQ7GT/G	.62	.48	7B6	.73	.56	12J5GT	.56	.43	35A5	.73	.56
6SR7†	.62	.....	7B7	.73	.56	12J7GT/G	.62	.48	35L6GT/G	.56	.43
6SR7GT	.....	.59	7B8	.73	.56	12K7GT/G	.56	.43	35Z3	.73	.56
6SS7†	.56	.43	7C5	.73	.56	12K8†	.91	.....	35Z4GT	.44	.33
6ST7	.73	.....	7C6	.73	.56	12K8GT	.73	.66	35Z5GT/G	.47	.36
6T7G	.73	.56	7C7	.73	.56	12Q7GT/G	.50	.38	35Z6G	.....	.62
6U5/6G5	.73	.56	7E6	.73	.56	12SA7†	.56	.....	36	.56	.43
6U6GT	.73	.59	7E7	.91	.71	12SA7GT/G	.73	.56	37	.47	.36
6U7G	.56	.43	7F7	.91	.71	12SC7†	.73	.....	38	.62	.48
6V6†	1.12	.....	7G7/1232	1.12	.88	12SC7GT	.....	.62	39/44	.56	.43
6V6GT/G	.62	.48	7H7	1.12	.88	12SF5†	.62	.....	41	.47	.36
6V7G	.73	.56	7J7	1.12	.88	12SF5GT	.62	.48	42	.47	.36
6W5G	.....	.74	7L7	1.12	.88	12SF7†	.73	.....	43	.62	.48
6W7G	.91	.71	7N7	1.12	1.06	12SF7GT	.....	.62	45	.44	.33
6X5†	.91	.....	7Q7	.73	.56	12SG7†	.73	.....	45Z3	.56	.48
6X5GT/G	.56	.43	7V7	1.35	1.17	12SG7GT	.....	.62	45Z5GT	.62	.....
6Y5	1.35	1.06	7Y4	.73	.56	12SH7	.73	.....	46	.62	.48
6Y6G	.91	.71	10	1.65	.....	12SJ7	.62	.....	47	.62	.48
6Y7G	.91	.71	12A	.....	.38	12SJ7GT	.62	.48	48	1.65	1.30
6Z4/84	.62	.48	12A5	1.35	1.06	12SK7†	.56	.....	49	.73	.56
6Z5	1.35	1.06	12A6GT	.....	1.17	12SK7GT/G	.62	.48	50	1.35	1.06
6Z7G	1.12	.88	12A7	1.12	.88	12SL7GT	.91	.83	50L6GT	.62	.48
6ZY5G	.73	.56	12A8GT/G	.56	.43	12SN7GT	.73	.56	50Y6GT/G	.62	.48
7A4	.73	.56	12AH7GT	.91	.....	12SQ7†	.56	.....	50Z7G	.73	.56
7A5	.73	.56	12B7/14A7	1.12	.88	12SQ7GT/G	.62	.48	53	.91	.71
7A6	.73	.56	12B8GT	.91	.71	12SR7†	.73	.....	55	.62	.48
7A7	.73	.56	12C8†	1.12	.....	12SR7GT	.....	.62	56	.44	.33
						12Z3	.56	.43	57	.50	.38
						14A7/12B7	1.12	.88	58	.50	.38
						14C7	.....	1.06	59	.91	.71
						14J7	.....	1.06	70A7GT	1.35	.82
						14Q7	.....	.88	70L7GT	1.12	.88
						14R7	.....	1.06	71A	.50	.38
						15	1.12	.....	75	.47	.36
						19	.73	.56	76	.50	.38
						24A	.50	.38	77	.50	.38
						25A6†	1.12	.....	78	.50	.38
						25A6GT/G	.62	.48	79	.91	.71
						25A7GT/G	.91	.71	80	.38	.28
						25AC5GT/G	.91	.71	81	1.12	.88
						25B5	1.35	1.06	82	.73	.56
						25B6G	1.12	.88	83	.73	.56
						25B8GT	1.12	.88	83V	1.12	.88
						25C6G	1.12	.....	84/6Z4	.62	.48
						25D8GT	.....	.88	85	.50	.38
						25L6†	.91	.....	89	.56	.43
						25L6GT/G	.62	.48	117L7/M7GT	1.35	1.06
						25N6G	1.35	1.06	117N7GT	1.35	1.06
						25X6GT	.....	.48	117P7GT	1.35	1.06
						25Y5	1.35	1.06	117Z4GT	.....	.85
						25Z5	.56	.43	117Z6GT/G	.91	.71
						25Z6†	.73	.....	183/483	1.12	.88
						25Z6GT/G	.56	.43	485	1.12	.88
						26	.41	.31	XXD	.91	.88
						27	.38	.28	XXFM	1.12	1.06
						30	.56	.43	XXL	.91	.88
						31	.56	.43			
						32	.73	.56			
						32L7GT	1.12	.88			

## TUBE INTERCHANGEABILITY CHART

Metal and G, Gt, Gt/G, may be used interchangeably if space permits, however note that when substituting the glass type or metal in various cases, tube shields may be necessary. Due to slight difference in characteristics and capacitance of referred tubes, slight re-alignment may be necessary, depending upon the tuned circuit involved. For further information, refer to C19963 Tube Manual (.25), C19984 Characteristics chart (.05) on Pg. 77 and C19949 Handbook (1.00) Pg. 76.

For Type	Suggested Use	For Type	Suggested Use
7C5	6L6 <sup>2</sup> , 6V6 <sup>2</sup>	37	76
7C6	6T7 <sup>2</sup>	38	6K6 <sup>2</sup>
7E6	6R7 <sup>2</sup> , 6SR7 <sup>2</sup>	40Z5/45Z5	35Z5 <sup>2</sup> 6B7
7E7	6B7 <sup>2</sup> , 6B8 <sup>2</sup>	41	6K6 <sup>2</sup>
7F7	6SC7 <sup>2</sup>	42	6K6 <sup>2</sup> , 41 <sup>2</sup> 21 ohms
7G7/1232	7V7	43	25A6 <sup>2</sup> , 25C6 <sup>2</sup> , 26L6 <sup>2</sup>
7J7	6K8 <sup>2</sup> , 6J8 <sup>2</sup>	44	39/44, 6K7 <sup>2</sup>
7H7	7L7, 6SD7 <sup>2</sup>	47	2A5 <sup>2</sup>
7Q7	6A7 <sup>2</sup> , 6A8 <sup>2</sup> , 6SA7 <sup>2</sup>	50A5	50CG <sup>2</sup> , 50L6 <sup>2</sup>
7Y4	6X5 <sup>2</sup>	50L6	50A5 <sup>2</sup> , 50C6, 35L6 <sup>2</sup> 100 ohms
12A8	12SA7 <sup>1</sup> , 6D8 <sup>1</sup> 42-50 ohms	50Z7	50Y6 <sup>1</sup> (omit pilot lamp)
12B7	14A7/12B7	51	35/51
12J7	12SJ7 <sup>1</sup> , 12SG7 <sup>1</sup>	56	27
12K7	12SJ7 <sup>1</sup> , 12SK7 <sup>1</sup> , 12SG7 <sup>1</sup> , 14A7/12B7 <sup>1</sup>	59	2A5 <sup>2</sup>
12Q7	12SQ7 <sup>1</sup> , 12SR7 <sup>1</sup>	70A7	70L7 <sup>1</sup> (omit pilot lamp)
12SA7	12A8 <sup>1</sup> , 14Q7 <sup>2</sup> , 6D8 <sup>1,2</sup> 42-50 ohms	75	6Q7 <sup>2</sup> , 6SQ7 <sup>2</sup>
12SG7	12K7 <sup>1</sup> , 12SK7 <sup>1</sup> , 14A7/12B7 <sup>2</sup>	76	37
12SJ7	14C7 <sup>2</sup>	77	6C6, 6J7 <sup>2</sup> , 6SJ7 <sup>2</sup>
12SK7	12SJ7 <sup>1</sup> , 12SG7 <sup>1</sup>	78	6D6, 6K7 <sup>2</sup> , 39/44 <sup>2</sup>
12SQ7	12Q7 <sup>1</sup> , 12SR7 <sup>1</sup>	79	6A6 <sup>2</sup> , 6N7 <sup>2</sup> , 6Y7 <sup>2</sup>
25A6	25L6 <sup>1</sup> , 43 <sup>2</sup> , 25C6	80	5Y3 <sup>2</sup> , 5Y4 <sup>2</sup>
25L6	25A6	83	5U4 <sup>2</sup> , 5T4 <sup>2</sup> , 5V4 <sup>2</sup>
25Y5	25Z5, 25Z6 <sup>2</sup>	84	84/6Z4
27	56, 485	85	6V7 <sup>2</sup> , 6R7 <sup>2</sup>
35	35/51	89	7B5 <sup>2</sup> , 38 <sup>2,4</sup> 63 ohms, 41 <sup>2</sup>
35L6	6G6 <sup>2</sup> 300 ohms 10 Watts, 50L6	95	2A5, 47 <sup>2</sup>
35Z3	35Y4 <sup>2</sup> , 35Z4 <sup>2</sup>	117L7	117L7/M7
		117N7	117L7/M7 <sup>1</sup>
		117P7	117L7/M7 <sup>1</sup>

†Due to present emergency, when out of stock on metal types we will substitute and ship "Gt/G" equivalents.

**KEEP BUYING MORE AND MORE WAR BONDS AND STAMPS**



# GENERAL ELECTRIC ELECTRONIC & INDUSTRIAL TUBES



## Transmitting Tubes

G-E Type	Tube Type	Max. Diss.	Net Each
203A	Triode	100 W.	\$10.00
211	Triode	100 W.	10.00
242C	Triode	100 W.	12.00
800	Triode	35 W.	10.00
801A	Triode	20 W.	2.50
802	Triode	13 W.	3.50
803	Pentode	125 W.	25.00
806	Triode	125 W.	13.50
807	Triode	1000 W.	22.00
809	Tetrode	30 W.	2.25
810	Triode	30 W.	2.50
811	Triode	150 W.	13.50
812	Triode	55 W.	3.50
813	Triode	55 W.	3.50
814	Tetrode	100 W.	22.00
815	Tetrode	65 W.	17.50
829A	Triode	25 W.	4.50
833A	Dbl. Tetrode	40 W.	19.50
835	Triode	300 W.	76.50
836	Triode	100 W.	15.00
837	Diode	11.50	2.80
838	Pentode	12 W.	2.80
843	Triode	100 W.	11.00
845	Triode	15 W.	2.90
860	Triode	75 W.	19.00
866A	Tetrode	100 W.	32.50
866	Rectifier		1.50
872	Rectifier		9.00
872A	Rectifier		11.00
1613	Pentode	10 W.	1.80
1614	Tetrode	21 W.	2.80
1616	Diode		5.75
1619	Tetrode	15 W.	2.20
1623	Triode	30 W.	2.50

## Resistor Type Ballasts

G-E Type	Max. Volts	Max. Amps.	Net Each
FB-50	8	0.275	\$3.50
B-25	16	1.16	3.00
B-47	18	2.35	3.75
B-46	18	3.25	4.00
B-6	21	1.01	4.50
B-4	125	1.36	25.50

## Vacuum Switches

G-E Type	Type	Amp.	Net Each
FA-6	SPDT	10	\$7.25
FA-15	SPDT	8	6.25

## Cold-Cathode Glow Tubes

G-E Type	Max. DC V.	Max. Ma.	Net Each
75-30	75	30	\$1.25
105-30	105	30	1.25
150-30	150	30	1.25

## How Electronic Tubes Work

A General Electric book that fully illustrates and explains the functions of the heater, cathode, anode, grid, etc. Explains the difference between the gas-filled and high vacuum tubes (space charge and ionization). Gives the why and wherefore of the Kenotron, Pilotron, Phanotron, Ignitron, Glow Tube, etc. 23 pages.



C19979—Your Cost..... **15¢**

## Power and Special Purpose Tubes

G-E Type	Tube Type	Cath. Volts	Net Each
816	Rectifier	2.5	51.00
828	Beam	10.0	17.50
830B	Triode	10.0	10.00
840	Pentode	2.0	6.00
842	Triode	7.5	3.25
864	Triode	1.1	1.00
868	Phototube		3.70
883	Triode	6.3	2.00
885	Triode	2.5	2.00
2AP1	Cath. Ray	6.3	6.25
3PA1	Cath. Ray	2.5	13.50
906P1	Cath. Ray	2.5	18.25
3AP4	Cath. Ray	2.5	18.25
906P4	Cath. Ray	2.5	18.25
5AP4	Cath. Ray	6.3	27.50
1805P4	Cath. Ray	6.3	24.75
5BP1	Cath. Ray	6.3	27.50
1802P1	Cath. Ray	6.3	27.50
5BP4	Cath. Ray	6.3	36.00
1802P4	Cath. Ray	6.3	36.00
7AP4	Cath. Ray	2.5	62.60
9AP4	Cath. Ray	2.5	62.60
1804P4	Cath. Ray	2.5	75.00
12AP4	Cath. Ray	2.5	75.00
1803P4	Phototube		3.40
917	Phototube		2.30
918	Phototube		3.35
919	Phototube		2.70
920	Phototube		2.00
921	Phototube		2.00
922	Phototube		2.00
924	Phototube		2.00
925	Phototube		3.00
926	Phototube		3.70
927	Phototube		2.00
928	Phototube		12.00
931	Pentode	6.3	4.50
954	Triode	6.3	3.00
955	Pentode	6.3	4.50
956	Triode	1.25	3.00
957	Triode	1.25	3.00
958	Pentode	1.25	5.00
959	Pentode	1.25	5.00
991	V. Reg.		.90
1603	Det.-Amp.	6.3	4.75
1608	Triode	2.5	4.00
1609	Pentode	1.1	1.60
1610	Pentode	2.5	2.00
1612	Pentagrid	-6.3	2.00
1621	Pentode	6.3	1.50
1622	Beam	6.3	1.40
1626	Triode	12.6	1.60
1629	El. Ray	12.6	.75
1631	Beam	12.6	2.00
1632	Beam	12.6	2.00
1633	Tw. Triode	25.0	1.50
1634	Tw. Triode	12.6	2.00
9001	Pentode	6.3	2.50
9002	Triode	6.3	2.00
9003	Pentode	6.3	2.50
9004	UHF Diodes	6.3	2.00
9005	UHF Diodes	6.3	2.20

**NOTE**  
All Special Purpose Tubes, Transmitting Tubes and Industrial Tubes are available on priority only. To expedite delivery on your orders, please include your highest authorized preference rating.

## Industrial Tubes

### Pilotrons

Grid-controlled high vacuum tubes with one or more grids for controlling plate current. Created to produce the high frequency waves used in radio broadcasting.

G-E Type	Max. Volts	Diss. Watts	Net Each
PJ-7	350	10	\$5.50
PJ-8	350	10	5.50

### Thyratrons

Grid controlled gaseous discharge rectifier tubes with one or more grids to control the starting of the plate current. Will run d-c motors directly from a-c lines. Can hold desired motor speed constant regardless of changes in the load.

G-E Type	Avg. Amps.	Peak Amps.	Net Each
2051	0.75	0.375	\$1.15
2050	0.1	0.500	1.90
FG-97	0.5	2.0	15.50
FG-17	0.5	2.0	6.00
FG-27A	2.5	10.0	17.00
FG-33	2.5	15.0	16.25
FG-57	2.5	15.0	15.00
FG-95	2.5	15.0	19.00
FG-105	6.4	40.0	38.00
FG-172	6.4	40.0	35.00
FG-41	12.5	75.0	125.00
GL-414	12.5	100.0	92.00

### Phanotrons

Gaseous discharge-rectifier tubes without a grid, therefore, no control over the plate current. General purpose a-c to d-c rectifier for use where current requirements are about 30 amperes or less.

G-E Type	Avg. Amps.	Peak Amps.	Net Each
FG-32	2.5	15	\$11.00
FG-166	30.0	150	85.00

### Ignitrons

High-peak-current gas-filled tubes with a mercury-pool cathode. Supply heavy current for use in spot or seam welding for many types of metal. Used in place of rotating machinery for changing a-c to d-c.

G-E Type	Max. Amps.	Net Each
GL-415	22.4	\$33.00
FG-271	56.0	55.00
FG-235A	140.0	95.00
FG-258A	355.0	220.00

### Phototubes

Both gas-filled and high-vacuum types. No grid. Used in applications requiring great stability and instant response to light changes. Extremely sensitive.

G-E Type	Kind	Anode Volts	Net Each
PJ-22	Vacuum	200	\$2.60
PJ-23	Gas	90	2.60
FJ-401	Gas	90	6.75
GL-441	Vacuum	200	7.50
GL-923	Gas	90	1.25
GL-929	Vacuum	250	3.00
GL-930	Gas	90	2.00

## DeForest-Sanabria CATHODE RAY TUBES



DeForest-Sanabria Cathode Ray Tubes are manufactured under rigid inspection and control and are built to meet U. S. Government requirements for cathode ray tubes. They feature hard glass envelopes, which permit operation at more than double the normal rated voltage, and provide greater safety in handling. Four pillar electron gun support with nine times the rigidity of conventional types insures long life and accuracy when used in equipment

subject to extreme vibration. In addition to the standard types listed below, quick deliveries can be made on similar types with finer or broader trace and with special types of screens, including non-burnable.

TYPE	SCREEN	PRICE
5BP1	5"	\$24.75
5CP1	5"	28.00
5HP1	5"	20.00
7AP1*	7"	36.00
7BP1	7"	40.00

\*Replacement for DeForest-Sanabria 7" Oscillograph.





# TRANSMITTING AND SPECIAL PURPOSE TUBES



As one of the largest distributors of RCA tubes, we carry as complete a stock as possible under existing conditions. Deliveries of most types, however, can be made only against orders bearing sufficiently high priority rating.

**O**— Oscillator; **R**— RF Power Amplifier; **C**— Class B Modulator; **B**— Beam Power Amplifier; **A**— AF Power Amplifier; **S**— Screen Grid Power Amplifier; **T**— Triode; **P**— Pentode; \*— ICAS Rating.

## HIGH VOLTAGE HALF-WAVE RECTIFIERS

Type	Des.	Peak Volts	Net	Type	Des.	Peak Volts	Net
217A	Hi-Vac	3,500	\$20.00	869A	Merc-Vap	20,000	\$125.00
217C	Hi-Vac	7,500	20.00	872A	Merc-Vap	7,500	7.50
816	Merc-Vap	5,000	1.00	872A	Merc-Vap	10,000	7.50
836	Hi-Vac	5,000	11.50	1616	Hi-Vac	5,500	5.75
866/866A	Merc-Vap	10,000	1.50				

## EXPERIMENTAL TELEVISION TUBES

Type	Description	Net
1847	2" Television Iconoscope	\$24.50
3AP4/906-P4	3" Kinescope Elect. Stat. (White Phos.)	13.75
5AP4/1805-P4	5" Kinescope Elect. Stat. (White Phos.)	22.00
7AP4	7" Kinescope Elect.-Mag. (White Phos.)	29.00
9AP4/1804-P4	9" Kinescope Elect.-Mag. (White Phos.)	50.00
12AP4/1803-P4	12" Kinescope Elect.-Mag. (White Phos.)	60.00
5BP4/1802-P4	5" Kinescope Elect.-Stat. (White Phos.)	22.00
1851	Amplifier Pentode	2.10
6AC7/1852	Amplifier Pentode (Single End)	2.10
6AB7/1853	Amplifier Pentode (Single End)	1.12
6AG7	Video Beam Power Amplifier	1.35

Type	Description	Vlts.	Net	Type	Description	Vlts.	Net
868	Gas Type	90	\$3.70	924	Gas, End Type	90	\$2.00
917	Vacuum Type	500	3.40	925	Vacuum Type	250	2.00
918	Gas, Hi-Sens.	90	2.30	926	Vac. Cart. Kb. Type	500	3.00
919	Vacuum Type	500	3.35	927	Gas Type (Miniatur)	90	3.70
920	Twin, Gas	90	2.70	928	Gas, Non-Direct	90	2.00
921	Gas Cart.	90	2.00	929	Hi-Vac. Caesium	250	3.00
922	Vacuum, Cart.	500	2.00	930	Gas, Hi-Sens.	250	2.00
923	Gas, Hi-Sens.	90	1.25	931	Multi. Type	400	12.00

## MISCELLANEOUS TYPES

Type	Description	Fil. Vlts.	Ea. Net
866A	Amplifier Triode (low microphonic design)	1.1	\$1.00
954	Detector, Amplifier Pentode (Acorn Type)	6.3	5.00
955	Amplifier, Detector, Oscillator (Acorn Type)	6.3	2.75
956	Super-Control R.F. Amplifier Pentode (Acorn)	6.3	4.50
957	Detector, Amplifier, Oscillator (Acorn)	1.25	3.00
958	A.F. Amplifier, Oscillator (Acorn)	1.25	3.00
959	Detector, Amplifier Pentode (Acorn)	1.25	5.00
991	Voltage Regulator (Glow discharge)		.90
1603	Triple Grid Amplifier (Low Microphonic Type)	6.3	4.75
1609	Amplifier Pentode (Low Microphonic Type)	1.1	1.60
1612	Pentagrid Amplifier (Low Microphonic Type)	6.3	2.00
1621	Power Amplifier Pentode	6.3	1.20
1622	Beam Power Amplifier	6.3	1.40
1629	Electron Ray Type	12.6	.75
9001	U.H.F. Midget Pentode (Sharp Cut-off)	6.3	2.50
9002	U.H.F. Midget Triode (for Osc., Det., or Amp.)	6.3	2.00
9003	U.H.F. Midget Pentode (Super Control)	6.3	2.50
VR-75-30	Voltage Regulator, 75 Volts 5-30 ma.		1.05
VR-105-30	Voltage Regulator, 105 Volts 5-30 ma.		1.00
VR-150-30	Voltage Regulator, 150 Volts 5-30 ma.		1.00

Type No.	Watts Diss.	Description	Net Price	Type No.	Watts Diss.	Description	Net Price
203A	100	R, C, T	\$10.00	842	12	A, T	\$ 3.25
204A	250	R, C, T	85.00	843	15	T, R, A	1.65
211	100	T, R, C, A	10.00	845	100	T, A	10.00
800	35	T, R, C, A	10.00	849	400	T, C, A, R	129.00
801A	20	T, R, A, C	2.50	850	100	S, R	37.50
802	13*	P, R, O, A	3.50	852	100	T, R	16.40
803	125	P, R	25.00	850	100	S, R	21.50
804	50*	P, R	15.00	865	15	S, R	7.95
805	125	T, R, C	15.50	1602	15	T, A	2.75
806	225*	T, R, C, O	22.00	1608	25*	T, R, O, C	4.00
807	30*	B, R, C, O	2.25	1610	6	P, O	2.00
808	50	T, R, C	7.75	1613	10	R, P, O	1.55
809	30*	T, R, C, C	13.50	1614	21	B, R, R, A, C, O	3.50
810	150*	T, C, R, R	13.50	1619	30*	R, C, T, O	4.75
811	55*	T, C, R, R	3.50	1623	30*	B, A, R	2.50
812	55*	T, C, R, R	3.50	1624	25	B, R, O	2.40
813	100	B, R	22.00	1625	30*	B, R	2.25
814	65*	B, R	17.50	1626	5	O	2.50
815	25*	B, R, A	4.50	1627	150	T, C, R, R	13.50
826	60	T, O	19.00	1628	40	T, R, O	32.00
827R	800	B, R	135.00	1631	16	B	2.00
828	80*	B, R, A	17.50	1632	5.5	B	2.00
829	40	H, R	19.50	1633	2.5	T, A	1.50
830B	60	T, C, R, R	10.00	1634	4	T, A	2.00
832A	15	R, B	17.00	8000	150*	T, R, O, C	13.50
833A	450*	T, R, C, R	76.50	8001	75	B, R	27.50
834	50	R, O, T	12.50	8003	100	T, R, C, O	12.00
837	12	R, P, O	2.80	8005	85*	T, R, C, O	7.00
838	100	T, C, R	11.00	8007	25	B, R, O	3.50
841	15	R, A, T	3.25	8012	40	T, R, O	19.00

Type	Screen	Net	CATHODE RAY TUBES	Type	Screen	Net
902	2"	\$7.50		907	5"	\$48.75
904	5"	\$2.50		908	3"	18.00
905	5"	45.00		913	1"	4.00
3AP1/906-P1	3"	13.50		914	9"	85.00
5BP1/802-P1	5"	24.75				

## CATHODE RAY RECTIFIERS AND GAS TRIODES

Type	Description	Net	884	Gas Triode	\$2.00
878	H. W. Hi-Vac. Rec.	\$11.00	885	Gas Triode	2.00
2X2/CT9	H. W. Hi-Vac. Rec.	1.05	2050	Gas Tetrode	1.90
2V3G	H. W. Hi-Vac. Rec.	1.30	2051	Gas Tetrode	1.15

## HYTRON TUBES

Type No.	Purpose	Fil Volts	Plate Volts	Plate C.C.S. Ma.	° Diss.	Your Cost
HY-24	Triode	2.0	180	20	2 W.	\$1.50
HY-30Z	Triode#	6.3	850	90	30 W.	2.75
HY-31Z	Twin-Triode#	6.3	500	150*	30 W.*	3.50
HY-40	Triode	7.5	1000	125	40 W.	3.75
HY-40Z	Triode#	7.5	1000	125	40 W.	3.75
HY-51A	Triode	7.5	1000	175	65 W.	4.75
HY-51B	Triode	7.5	1000	175	65 W.	4.75
HY-51Z	Triode#	7.5	1000	175	65 W.	4.75
HY-1231Z	Twin Triode#	6.12	500	150*	30 W.*	4.50
801A 801	Triode	7.5	600	70	20 W.	2.50
HY-60	Beam	6.3	425	60	15 W.	2.75
HY-61, 807	Beam	6.3	600	100	25 W.	2.25
HY-65	Beam	6.3	450	63	15 W.	3.00
HY-69	Beam	6.3	600	100	40 W.	3.95
HY-1269	Beam	6.12	750	120	40 W.	4.50
865A/865	Tetrode	7.5	1000	75	25 W.	7.50
HY-75	Triode	6.3	450	100	15 W.	3.95
HY-114B	Triode	1.25	180	15	2 W.	2.25
HY-615A	Triode	6.3	300	20	3.5 W.	2.25
866A/866	M.V. Rect.†	2.5	3165	500†		1.50
866 Jr.	M.V. Rect.†	2.5	1575	250†		1.05

—Continuous Service Rating. #—Zero Bias Tubes. \*—Both Triodes. †—Shielded Filament. ‡—Per pair.

## HYTRON Bantam Junior Miniatures

For use in hearing aids, tiny radios, etc. 1.4 volt. 50 ma. filaments. Plate voltage 30 to 90. With base or 1½" leads; specify type desired when you order.

HY113/HY123—Medium-mu triode. Use as detector, amplifier or oscillator. **Your Cost Each \$1.75**

HY115/HY145—High gain non-microphonic pentode. **Your Cost Each \$2.50**

HY125/HY155—Power output A.F. pentode. **Your Cost Each \$2.50**

We can supply all types of tubes for industrial requirements. Prices and technical data supplied on request.

## EIMAC POWER TUBES

We can supply any type not shown. Write for prices.

Type No.	Watts Diss.	Power Out.	Your Cost Each
35T	70	240	\$6.00
35TG	70	240	6.75
75T	75	300*	9.00
100TL	100	400	13.50
100TH	100	400	13.50
250TL	250	800	24.50
250TH	250	800	24.50

## Mercury Vapor Rectifiers

RX21	Peak Inverse Voltage 11,000	\$7.50
KY21*	Peak Plate Current 3 amps.	10.00

\*—Grid control.

## Heintz-Kaufman GAMMATRONS

Type No.	Watts Diss.	Plate Volts	Fil. Vlts.	Power Outp.*	Max. Freq.	Your Cost
24	25	2000	6.3	89	100MC	\$4.75
54	50	3000	5.0	210	100MC	8.00
254	100	4000	5.0	450	50MC	13.50
354C	150	4000	5.0	750	30MC	24.50
257	75	4000	5.0	225	30MC	27.50
454H†	250	5000	5.0	900	150MC	27.50
854H†	450	6000	7.5	1800	125MC	75.00

\*—Single Class Tube "C" R.F. †—High-Mu types (Low-Mu on special order).

## TAYLOR TUBES

Type	Watts Diss.	Description	Each
T-40	40	Gen. Purpose Triode. Carbon Anode.	\$3.50
TZ-40	40	Zero Bias Triode. For R.F. and Class "B" AF.	3.50
T-20	20	Gen. Purpose Triode. Metal Plate.	2.25
TZ-20	20	Zero Bias Triode. Metal Plate.	2.25
T-55	55	Improved model. Max. freq. 120 MC.	6.00
T-21	21	Superior Low-Power Beam Amplifier.	1.95
T-125	125	Top plate and side grid caps. Accelerating fins.	13.50
T-200	200	Similar to T-125. Super carbon anode (2½"×1½")	21.50
T-203-Z	65	Zero Bias. Metal plate. Class "B" Audio.	8.00
822	200	Class "B" Audio. Carbon Anode.	18.50
866A/866	...	Half-Wave Mercury Vapor Rectifier.	1.50
866-Jr.	...	Lighter duty version of above.	1.00
249-B	...	Heavy duty M.V. Half-Wave rectifier.	5.00

# BALLAST TUBES and CORDS

## Line Cord Resistors



Flexible, sturdy cords for AC-DC radios, field supplies, phono oscillators, etc. Voltage drop ratings are at 3 amps. This value subtracted from your line voltage gives voltage applied to tube filaments.

No.	Ohms	Voltage Drop
C5322	135	40.5 volts
C5332	150	45.0 volts
C5331	160	48.0 volts
C5323	180	54.0 volts
C5330	200	60.0 volts
C5324	220	66.0 volts
C5325	250	75.0 volts
C5329	280	84.0 volts
C5242	310	93.0 volts
C5326	330	99.0 volts
C5241	360	108.0 volts
C5320*	535	*78.75 volts

\*This cord used in 3-way portable sets. Voltage drop calculated for .15 amp. drain.

Any Above **47¢**  
Your Cost Each

## UNIVERSAL Resistor Cord



A replacement cord for all makes of receivers. One cord fits any type set. Any normally used resistance from 22 to 330 ohms in one cord. Complete instructions supplied with each cord. Ideal for servicemen and dealers.

C5321—**65¢**  
Each

## Special AC-DC Cords With Pilot Light Tap

Like above, but 4-conductors, with pilot light tap. Tinned leads. Stock Total Tapped at **Your Cost**

No.	Ohms	Ohms	Your Cost
C5334	160	24	<b>55¢</b> Each
C5335	180	25	
C5336	200	40	
C5337	200	25	
C5339	280	40	

## Special Line Cords For "Wireless" Players

Same in appearance as above, but has fourth wire for antenna or "radiation wire" for wireless phono-oscillator, inter-communicators, etc.

C5327—350 ohms. For 6A7 and 37 or 76 tube combination.

Your Cost **55¢**  
Each

C5328—270 ohms. For 6A7 and 25Z5 tube combination.

Your Cost Each **55¢**

## 220 Volt to 110 Volt Line Cord Resistors



European or Standard Plug American cord equipped with standard male plug and female receptacle; European type resistor cord has foreign plug and standard receptacle. Indispensable to servicemen abroad. Can be used on shavers, handblowers, small radios (up to 7 tubes) and small appliances.

C5243—Standard **75¢**  
C5244—Foreign Each

## Note On Ballast Tubes

Due to scarcity of materials it may be necessary to substitute glass or metal type tubes for type ordered. Substitutions will be made only when unavoidable.



## TRUTEST Ballast Resistors

For use in all AC-DC midjet sets. The 185R and K55 types are for 2-6.3 and 2-25 volt tubes; types 165R and K49 are for use with 3-6.3 and 2-25 volt tubes. Shpg. wt. 1 lb.

Any Type Listed Below, **39¢**  
Your Cost Each  
Lots of 10 (Ass'tl.), Each **35¢**

No.	Type	No.	Type	No.	Type
C7037	140R8*	C6870	K55B	C7042	K80B(60-92A)
C6868	165R4*(X49)		(3613)	C7043	L42C(69-2037)
C6869	165R8*(50A2)		(115.53)	C7044	L42B
C6865	185R*(50X3)	C6871	K55C(5530)	C6876	L49B
C6866	185R4*(180KB)		(K55D)		2UR224
C6867	185R8*(50X3T)	C6872	3614		(69-2033)
C7039	BM49B		(115.22)	C6877	L49C(69-2037)
C7040	BM55B	C6873	K49B(115.41)	C6860	L55B
C7041	C926E	C6874	K49C(16040)	C7045	L80B
C6860	2VR215		(K49D)	C6870	Y-TU-9
	L55B	C6875	3334		Y-TU-B
			(115.28)		K55B

\*Indicates glass or metal type, 4-prong; others metal, octal base.

## JFD Adjustable Ballast Kit

Handy kit of adjustable AC DC ballasts designed to replace more than 2700 different types of ballast tubes not in use. Kit contains 2 type "A," 2 type "B," and 1 type "C" tubes and tools. Includes 80-page Belt and Ballast Book giving replacement and technical data. 2 lbs.

C6862—**3.23**  
Your Cost

## REPLACEMENT TUBES FOR ABOVE

Replacement tubes for above kit. Wt. 8 oz. each.

C6856—Ballast A. **65¢**  
C6857—Ballast B. Your Cost Each  
C6858—Ballast C.



## JFD Resistance Cord Replacement Adapter



For Replacing All Untapped (3 wire) Resistance Power Cords. This adapter permits the use of an adjustable JFD type B ballast or any standard exact duplicate plug-in resistor tube, in place of following types of 3-wire Untapped Resistance Power Cords:

135 ohms	220 ohms	330 ohms
160 ohms	250 ohms	350 ohms
180 ohms	290 ohms	390 ohms
200 ohms	300 ohms	535 ohms

Each adapter is individually packed, with complete hardware and simple instructions for use.

C12626—**1.32**  
Your Cost

## JFD Resistance Cord Replacement Adapter

For Replacing All Tapped (4 wire) Resistance Power Cords. Same as above, but to be used in place of the following types of 4-wire Tapped Resistance Power Cords:

160 ohms tapped at 24 ohms
180 ohms tapped at 24 ohms
200 ohms tapped at 24 ohms
200 ohms tapped at 40 ohms
280 ohms tapped at 40 ohms

Each adapter is individually packed, with complete hardware and simple instructions for use.

C12627—**1.32**  
Your Cost

## ICA Universal Resistovolt

An automatic voltage regulator. Maintains a constant potential of 110 or 220 volts AC or DC preventing tube burnouts, and assuring more stable performance. Easy to install—just plug in between line cord and wall outlet. For sets of from 5 to 9 tubes. Wt. 1 lb.

C16955—**81¢**  
Your Cost

## "Cage" Ballasts For Crosley Radios

These high quality ballasts duplicate the original units used in thousands of Crosley late model receivers. All have perforated metal shells and octal bases. Shpg. wt. 1 lb.

No.	For Model	Type
C12131	418	45788
C12132	576, 676	42520
C12133	647, 647A	44338

Any Type Above, **59¢**  
Your Cost Each  
In lots of 5. Each **55¢**

## Exact Duplicate AC-DC Ballast Tubes

Simplify your serving problems by stocking a few of each of these special exact duplicate ballast tubes. These are the hard to get types, for which there are no substitutes. Offered at real low prices. Shpg. wt. each 1 lb.

For Philco BKV51DJ **88¢**  
C12642—5 for \$3.95... Ea.

C12125 For Zenith 100-70 **55¢**  
C12126 For Zenith 100-77  
C12127 For Zenith 100-79  
C12128 For Ferguson E157 5 For \$2.45



## AMPERITE AC-DC Ballast Tubes

By using these fine regulators, tubes are kept to within 5% of their correct voltage, even if the line varies from 85 to 145 volts. Furnished complete with starting resistor that saves pilot lights and tubes. All KL types are octal base. \*Asterisk indicates special unit.

Any Type Below, **59¢**  
REPLACES ALL AC-DC BALLASTS

No.	Type	No.	Type	No.	Type
C12239	3-40	C12226	250R*	C12245	KL-45J*
C12238	4P-45	C12227	320R4*	C12237	KL-75II
C12224	165R4*	C12233	E157*	C12236	KL-50H
C12225	200R*	C12235	KL-25	C12229	KL-50S1
		C12232	KL-45	C12223	KL-50S2
				C12452	BKV51DJ*
					100-77*

## REPLACES ALL AC-DC BALLASTS

Type	Beginning With	Numbers	Ending With
KL-25	K, L, M or BK	10 to 36	A, B, C or D
KL-25H	K, L, M or BK	10 to 36	F, G or H
KL-45	K, L, M or BK	36 to 67	A, B, C or D
KL-50H	K, L, M or BK	36 to 67	F, G or H
KL-75	BL or BM	67 to 105	A, B, C or D
KL-75H	K, L, M or BK	67 to 105	F, G or H
KL-50S1	K or L	40 to 100	S1
KL-50S2	K or L	40 to 100	S2
KL-50S3	K or L	40 to 100	S3
KL-50E	K or L	36 to 67	E

## Type 4P-45—4 Prong replaces the following types:

50A2	140R8	140L44	LX42B	KX49B	LX49C	KX55C
50B2	140R44	165L4	LX42C	KX49C	LX49D	LX55B
50X3T	140L4	165R8	LX42D	KX49D	KX55A	LX55C
140R4	140L8	165R44		LX49B	KX55B	LX55D

## Type 3-40—4 Prong replaces the following types:

5B	50	50XR	140R	165R	185R	KX42A
		KX49A		KX55A		

## Amperite AC Voltage Regulator Tubes

Keeps input voltage to receiver constant. Protects condensers and resistors. For AC sets. Specify type desired. C19100—For 110 volt sets.



Tubes Use	Tubes Use	Each
4-5	5A5 11-12	<b>1.25</b>
6-7	7A5 13-17	
8-10	9A5	
C19101—Socket Only		

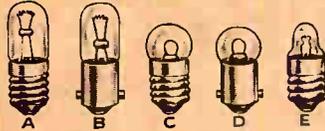
## Battery Ballasts for 2 Volt-Tube Radios

To Re- place	Use Ampe- rite						
1A1	5E1	1K1	5H1	6	1F1	LL225	5E1
1E1	5E1	1N1	1N1	6AA	5E1	1A2	30
1G1	4-1	1V1	5I1	5-1	5E1	1B2	31
1J1	6-1	10AB	5H1				

Specify Type—C19110—Your Cost Each **73¢**

# PILOT LIGHTS and NEON BULBS

## Genuine EVEREADY-MAZDA Pilot Light Bulbs



Both pilot and flashlight type bulbs are listed below. 6-8 volt bulbs are for 6.3 volt receivers. Bead colors aid in identifying bulb types. Eveready-Mazda bulbs are standard in most makes of radios.

### Tubular Bulb, Miniature Screw Base (A)

Stock No.	Type	Bead Color	Volts	Amps.	Ea.	10 For	100 For
C12274	48	Pink	2.0	.06	15c	\$0.88	\$8.14
C12250	41	White	2.5	.50	9c	.54	4.90
C12251	42	Green	3.2	.35	12c	.71	6.47
C12254	40	Brown	6-8	.15	9c	.54	4.90
C12252	46	Blue	6-8	.25	9c	.54	4.90

### Tubular Bulb, Miniature Bayonet Base (B)

C12260	43	White	2.5	.50	9c	.54	4.90
C12259	49	Pink	2.0	.06	15c	.88	8.14
C12283	45	White	3.2	.35	12c	.71	6.47
C12249	44	Blue	6-8	.25	9c	.54	4.90
C12284	47	Brown	6-8	.15	9c	.54	4.90
C12437	49A	White	2.2	.12	18c	1.03	8.10

### Round Bulb, Miniature Screw Base (C)

C12273	50	White	6-8	.20	10c	.59	5.39
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### Round Bulb, Miniature Bayonet Base (D)

C12261	51	White	6-8	.20	7c	.41	3.82
C12285	55	White	6-8	.40	7c	.41	3.82

### FLASHLIGHT BULBS

G-3 1/2 (C) is small round. G-4 1/2 is large round. TL-3 (E) is lens bulb. P-3 1/2 (not illustrated) is pre-focused miniature flange type bulb.

Stock No.	Type	Bead Color	Volts	Amps.	Ea.	10 For	100 For
C12200	13(G-3 1/2)	Green	3.8	.30	9c	\$0.54	\$4.90
C12201	14(G-3 1/2)	Blue	2.5	.30	9c	.54	4.90
C12202	605(G-4 1/2)	Brown	6.0	.50	10c	.59	5.39
C12203	222(TL-3)	White	2.2	.25	9c	.54	4.90
C12204	112(TL-3)	Pink	1.1	.22	9c	.54	4.90
C12205	233(G-3 1/2)	Purple	2.3	.27	9c	.54	4.90
C12206	PR2(P-3 1/2)	Blue	2.4	.50	13c	.76	7.06
C12207	PR3(P-3 1/2)	Green	3.6	.50	13c	.76	7.06
C12208	263X(G-3 1/2)	Blue	2.6	.30	10c	.59	5.39

## GE NEON GLOW LAMPS



G10

Used extensively in test instruments. On DC, only the negative electrode glows. All except 1/2-watt types operate on 105-125 volts AC or DC and require minimum starting voltages (approx.) 65 on AC, 90 on DC. 1/2-watt minimum starting voltage 105—recommended only for AC not DC. All have clear glass except C12262 which is finished red and C12263 which is finished orange.



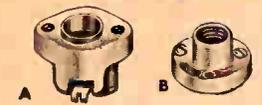
S14

Standard Edison Base			
No.	Type	Watts	Ea. 10 For
C12265	G10	1/2	36c \$3.25
C12266	G10	1	
C12267	S14	2	45c 4.05
C12262	S14	2 1/2	
C12263	S14	2 1/2	49c 4.40
C12276	S14	3	54c 4.86

Candelabra Base			
No.	Type	Watts	Ea. 10 For
C12264	T4 1/2	1/2	36c \$3.25
C12277	G10	1	
C12278	G10	1	41c 3.65

**ARGON (Blue) Lamp**  
Edison base. Clear glass. 2 1/2 watts.  
C12279—Each.....45c

### Porcelain Receptacles



For neon glow lamps, etc. Mtg. hole spacing all types 1 1/2", except C13327 which is 2". C13387 requires 1/16" socket hole in addition.

C13331—Candelabra (B)	} 9c Ea
C13330—Miniature (B)	
C13327—Edison (B)	
C13387—Candelabra (A)	

### Resistorless Neon Lamps

Used in test instruments, noise silencers, etc. All have 2-contact bayonet base except C12209 which has leads. Clear glass.



No.	Type	Watts	Each
C12268	T4 1/2	1/2	} 41c
C12269	G10	1	
C12270	G10	1	
C12271	S14	2	49c
C12209	T4 1/2	1/2	31c

### 2-Contact Bayonet Metal Shell Sockets

Base Mtg. 1 1/4" diam., 1 1/8" high. Bakelite base. Screw terminals. C13332. 39c

Flush Mtg. Requires 1/16" hole plus mtg. holes 1 1/4" apart. C13389—Each.....25c



## CANDELABRA BASE 110-120 V. Pilot Lights



Genuine GE Mazda lamps. Type S-6. C12257—6 watts. 15c. C12258—3 watts. 25c. Each.....  
Type C-7. As above, but cone shape, 7 watts. Available in White Frosted—C12280; Clear—C12275. 10c  
Either Type, Each.....

## Tubular Candelabra Base 110-120 Volt Pilot Lamp



A brand new 4-watt lamp that is ideal for use behind small panel openings, dials, etc. Looks just like a radio pilot lamp. Size: 1/2" diam. 1 1/4" long. C12272—10 for \$3.30. 36c  
Each.....

## VICTOR Pilot Bulb

Intermediate base, frosted bulb. 110/120 volts. For Colonial, Victor and other receivers. C12253—Carton of 10, \$1.35. Each.....15c

## Theater Exciter Lamps



For sound-on-film. Each measures 3 1/2" long, 1" diameter; equipped with single-contact bayonet base. Factory tested.  
Type Volts Amps. Your Cost, Any Type  
105 10 5.0  
107 10 7.5  
854 8.5 4.0 49c  
Type T-5; 15 volts, 1 ampere. Your Cost, Each.....75c

## Dial Light Coloring



Kit of colors, Red, Green, Blue and Amber, and a bottle of solvent. Each in screw top, wide mouth bottle. Dries in 1 minute. Color is permanent. C15185—Your Cost, Per Kit.....27c

## MALLORY Panel Light



A convenient reflector for panel mounting. Miniature screw base. Mounts in single 1/2" hole. C6436—Each.....47c

## Jewelled Pilot-Brackets



Fine quality jewelled pilot brackets, for amplifiers, transmitters, etc. All have faceted jewels, highly polished nickel-plated steel brackets. Standard jewelled brackets have 1/2" jewel requiring a 1/16" mounting hole. Jumbo brackets have a 3/4" jewel, requiring a 1/8" hole. Available with Candelabra 110 V., Miniature Bayonet and Miniature Screw base sockets.

### Standard Size

Base Type	Green	Stock No.	Red	Amber
Min. Screw	C6433 16c		C6432 16c	C6434 16c
Min. Bt.	C6456 18c		C6454 18c	C6458 18c
Cand.	C6427 19c		C6426 19c	C6428 19c

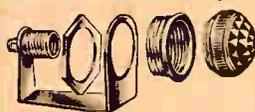
### Faceted Jewels Only

	C6430 12c	C6429 12c	C6431 12c
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### Assembly With 1/2" Jewel

Min. Screw	C6330	C6331	C6332 42c
Cand.	C6333	C6334	C6335 42c

## Front Removable Jewel Brackets



Mounts in 1/16" hole. 1/2" jewel removable; bulb can be replaced from front. Miniature

screw base. Fit tubular bulbs only.  
C6416—Red C6417—Green  
C6418—Amber C6425—Opal  
Any Type, 27c  
Each.....

Same, but Miniature Bayonet Base  
C6408—Red C6409—Green  
C6410—Amber C6411—Opal  
Any Type, 27c  
Each.....

## Giant 1" Jewel Brackets

1" diameter faceted jewels. Candelabra takes 3 or 6-watt 110 V. bulb.

Color	Candelabra Base	Miniature Bayonet Base	Bayonet Base
Red	C6403	C6404	C6405
Opal	C6321	C6322	C6327
Green	C6322	C6325	C6328
Amber	C6323	C6326	C6329

Any Type Above, 70c  
Each.....



## Trutest Bull's Eye

Takes candelabra base bulbs type S-6. For panels up to 1/2" thick, 1" diameter glass jewel with set of 4 color discs—red—green—amber—white. Polished chrome. Jewel bezel. 59c  
C14174—Your Cost.....  
C14175—Similar to above, but with red or green faceted 1" jewel. Specify color.  
C14176—Same but with miniature base. 59c  
Either Type, Your Cost Each.....

## 1" Enclosed Pilot Light

Underwriters' Approved single unit socket assembly unaffected by heat. All porcelain and brass construction. For standard S6 lamp, removable from front of panel. Single 1" hole for mounting required. Faceted red or green jewel held in highly polished chromed brass. C14140—Red Jewel  
C14141—Green Jewel \$1.08  
Either Type, Your Cost.....



## Pilot Light Sockets Miniature, Candelabra, Bayonet Base

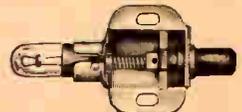


Miniature Base	Bayonet Base	Candelabra Base
A C6510	C6488	C6539
B C6511	C6489	C6557
C C6512	C6490	C6540
D C6513	C6514	C6564

5c ea., 10 for 47c 6c ea., 10 for 57c 8c ea., 10 for 75c  
100 for \$4.23 100 for \$5.10 100 for \$6.75

## Phono-Compartment Light

A clever on-off push-button switch and socket which may be mounted so that compartment is illuminated when lid is lifted or door opened. For Miniature Bayonet base bulb. Size 1 1/2"x1 1/2"x1 1/4". Bulb not supplied. Each Lots of 10 \$1.65  
Your Cost..... 19c



# BURGESS BATTERIES



Due to War Production Board orders, dry battery types have been reduced to a minimum. Some of the batteries listed on this page are available only with a priority rating and it is therefore advisable to include your highest authorized preference rating with your order, to expedite delivery.

## STANDARD "C" BATTERIES

Dependable, long life batteries especially designed for "C" supply in receivers, amplifiers, etc. Also used in test equipment. Burgess Type 2370 and 5156 are available with either knurled post binding posts or with sockets to take standard battery plugs. Others available only with binding posts.

Stock No.	Burgess No.	Volts	Dimensions H. W. D.	Shpg. Wt., Lbs.	Unit Pkg.	Single Each
C19866	5360	4 1/2	3 x 2 5/8 x 1 3/8	1	4	31c
C19867	2370	4 1/2	4 x 3 5/8 x 1 5/8	2	10	30c
C19868	5540	7 1/2	3 1/4 x 4 x 7 7/8	1	4	48c
C19862*	5156	22 1/2	3 5/8 x 4 1/2 x 2 1/8	2	4	71c

\*Has spring clips. \*Tapped at 3, 4 1/2, 16, 22 1/2 V. †Less plug. NOTE: Plugs for batteries above are listed at right.

## SPECIAL PURPOSE BATTERIES FOR TEST INSTRUMENTS AND LABORATORY USE

Stock No.	Burgess No.	Terminals	Volts	Shpg. Wt.	W-D-II Size	Your Cost Each
<b>Radio "A" Batteries</b>						
C19844	F2BP	Screw	3	12 oz.	2 5/8 x 1 5/8 x 4 1/8	\$0.34
C20678	2FBP	Screw	1 1/2	12 oz.	2 5/8 x 1 5/8 x 4 1/8	.34
C20679	2F2BP	Screw	3	1 lb. 5 oz.	5 1/8 x 1 5/8 x 1 1/2	.60
C20680	F4BP	Screw	6	1 lb. 6 oz.	2 1/2 x 2 1/2 x 3 1/2	.42
C20681	44	Screw	1 1/2	10 oz.	1 7/8 x 4 7/8	.45
<b>Radio "B" Batteries</b>						
C20682	A15ST	Strap	22 1/2	15 oz.	3 3/8 x 2 3/8 x 2 1/8	.60
C20683	X30X	Screw	45	12 oz.	2 1/8 x 1 3/8 x 4 1/8	1.80
C19865	Z30N	Screw	45	1 lb. 4 oz.	3 x 1 1/2 x 4 1/2	1.15
C20684	Z30NX	Screw	45	1 lb. 4 oz.	3 x 1 1/2 x 4 1/2	1.50
<b>Radio "C" Batteries</b>						
C20685	B2BP	Screw	3	3 oz.	1 1/2 x 1 1/2 x 2 1/8	.30
C20686	B3BPX	Screw	4 1/2	4 1/2 oz.	2 3/8 x 1 1/8 x 2 1/8	.43

## "A" and "B" BATTERIES FOR HEARING AIDS

Stock No.	Burgess No.	Type Terminal	Volts	Shpg. Wt.	Size	Your Cost Each
<b>"A" Batteries</b>						
C20688	1ES	Metal Cap	1 1/2	2 oz.	1 1/8 x 1 1/8 diam.	\$0.07 1/2
C20689	2ES	Metal Cap	1 1/2	5 oz.	2 1/8 x 1 1/8 diam.	.07 1/2
C20690	CE	2-Hole Socket	1 1/2	5 oz.	2 1/8 x 1 diam.	.15
C20691	TE	2-Hole Socket	1 1/2	5 oz.	3 7/8 x 1 1/8 diam.	.19
<b>Standard "B" Batteries</b>						
C20692	W15E	3-Hole Socket	22 1/2	6 oz.	1 1/8 x 1 3/8 x 3 1/8	.94
C20693	W22E	3-Hole Socket	33	7 oz.	2 5/8 x 1 3/8 x 3 1/8	1.13
C20694	XX30E	3-Hole Socket	45	7 oz.	2 1/2 x 2 1/2 x 3 1/2	1.35
<b>For Carbon Hearing Aids—Universal Batteries</b>						
C20695	T2R	Uni. Flexible Block	3	12 oz.	1 3/8 x 2 1/8 x 4 1/8	.36
C20696	T3R	Uni. Flexible Block	4 1/2	12 oz.	1 1/8 x 3 1/4 x 4 1/8	.45
<b>For Western Electric Ortho-Technic Models</b>						
C20697	C3WE	4-Hole Socket	4 1/2	12 oz.	1 1/8 x 3 1/4 x 4 1/8	.43
C20699	T2WE	4-Hole Socket	3	9 oz.	1 3/8 x 2 1/8 x 4 1/8	.45
C20698	T3WE	4-Hole Socket	4 1/2	12 oz.	1 1/8 x 3 1/4 x 4 1/8	.51



**Little 6 "A" Battery**  
Type 4FA—1 1/2 volt radio "A" battery. Has same capacity as the standard round cell but is 30% smaller and 40% lighter. Size: 2 5/8 x 2 5/8 x 1 3/8. Brass posts. Shpg. wt. 2 lbs.  
**C19847—Each... 33¢**



**Flashlight Cells**  
C20621—No. 1 cell. 1 1/2 x 1 1/2.  
C20622—No. 2 cell. 2 3/8 x 1 3/8.  
Either Above  
Each... **6 1/2¢**  
C20623—Penlite cell. 2 x 3/16.  
Your Cost Each... **4¢**



**3 Volt A Battery**  
For use with 2 Volt tubes. Unless set has built-in control, resistor listed must be used. No water. No. 20F2-400 service hrs. at 1/2 amp. drain 3/4 hrs. daily 11 1/2 x 3 1/8 x 6 1/8. Shpg. wt. 15 lbs.  
C19828—  
Your Cost Each... **\$2.35**  
C20606—Resistor. Each... 25c

## LIGHT DUTY "B" BATTERIES

Small light weight batteries particularly designed for use in portable equipment including radios, test equipment, aircraft, etc. All with binding post terminals. Some have insulated terminals, others plain brass. All give exceptionally long service for their weight.

Stock No.	Burgess No.	Terminals	Volts	Dimensions H. W. D.	Shpg. Wt. Lbs.	Unit Pkg.	Single Each
C19861	5308	insulated brass	45	5 1/8 x 4 1/8 x 2 3/8	4	5	\$1.16
C19863	4156	brass	22 1/2	3 x 3 3/8 x 2 1/8	2	4	.64

## STANDARD AND HEAVY DUTY 45 Volt "B" Batteries

Super B batteries have oversized cells and are built to give maximum service. Both Regular and Super types available with Fahnestock clips or with sockets for standard battery plugs. Plugs not included.

Standard Duty 45 V. B's (Tapped at 22 1/2 V.)

Stock No.	Burgess No.	Terminals	Volts	Dimensions H. W. D.	Shpg. Wt. Lbs.	Unit Pkg.	Single Each
C19829	C19825	2308 Regular	45	7 1/8 x 8 x 2 1/4	8	6	\$1.33

Heavy Duty 45V. B's (Tapped at 22 1/2 V.)

C19831	C19824	10308 Regular	45	7 1/8 x 8 x 4	12 lbs.	6	\$1.85
C19832	C19822	21308 Super	45	7 3/8 x 8 1/2 x 4 1/8	14 lbs.	6	2.23

## IGNITION AND GENERAL UTILITY BATTERIES

Stock No.	Burgess No.	Volts	Shpg. Wt.	Size	Your Cost Each
C19858	4FH	1 1/2	1 1/2 lbs.	2 5/8 x 2 5/8 x 4 1/8	\$0.33
C19846	4F2H	3	3 lbs.	2 5/8 x 3 1/8 x 5 1/8	.77
C19847	4F4H	6	7 lbs.	2 3/4 x 8 1/4 x 6 3/8	1.41



Standard Battery Plugs

Fit any make of dry battery. Check specifications carefully. When in doubt, give make and model number of battery on your order so that we can determine the correct type of plug you will require.

No.	Illus.	Description	Used With	Each
C20591	(1)	3-prong "B"	45 V. "B" Batteries.	<b>5¢</b> Ten Ass'd for 45c
C20592	(2)	3-prong "C"	45 V. "C" Batteries.	
C20593	(3)	5-prong "C"	22 1/2 V. "C" Batteries.	
C20590	(4)	2-prong "A"	1 1/2 V. "A" Batteries.	
C20595	(5)	2-prong "A"	1 1/2 V. "A" Batteries.	
C20596	(6)	3-prong "B"	Portable "B" Batteries.	
C20597	(7)	4-prong "A&B"	Comb. 1 1/2 V. "A" & 90 V. "B" packs	
C20598	(8)	2-prong "A"	6 V. "A" Batteries.	
C20599	(9)	4-prong "A&B"	Comb. 6 V. "A" & 90 V. "B" packs	

## PORTABLE "A" BATTERIES

Stock No.	Burgess No.	Your Cost	Volts	Size L x W x H	COMPARATIVE TYPES				Shpg. Wt., Lbs.
					Usa-Lite	Ever-easy	Bright Star	Ray-o-Vac.	
C19854	2F	\$0.28	1 1/2	2 5/8 x 1 3/8 x 4 3/8					1
C19850	4F	.35	1 1/2	2 5/8 x 2 3/8 x 4 3/8	634	742	462	P64A	2
C20610	G3	.32	4 1/2	4 x 2 1/2 x 1 3/8	683	746	361	P83A	2
C19842	F4PI	.38	6	2 5/8 x 2 3/8 x 4	639		646	P64A	2
C20613	2F4L	.70	6	3 3/8 x 1 1/8 x 10 1/8	646	747	868	P68L	4
C19843	G5	.52	7 1/2	3 3/8 x 2 1/8 x 4 3/8	687	687	561	P85A	3

## PORTABLE "B" BATTERIES

C20627	XX45	1.60	67 1/2	1 3/8 x 2 1/8 x 3 1/8		467		4367	1
C20614	B30	1.05	45	2 5/8 x 4 1/8 x 5 1/8	624	762	30-03	P5303	3
C20616	Z30	1.12	45	3 1/8 x 2 1/8 x 4	620	738	30-33	PR30	2
C20617	M30	1.05	45	5 5/8 x 3 3/8 x 1 7/8	640	482	30-33	P530	4

## COMBINATION PACKS FOR PORTABLES

C19871	5DA60	2.36	1 1/2 & 90	5 5/8 x 2 1/8 x 6 1/8	AB665				5
C19874	6FA60	2.44	1 1/2 & 90	11 1/8 x 6 1/8 x 1 1/8	AB667			AB84	6
C19875	4GA42	1.82	1 1/2 & 63	9 x 2 x 4 3/4	AB669			AB419	5
C20618	G4B50	2.23	6 & 75	4 1/8 x 1 3/8 x 2 1/8	AB670				7
C20624	6TA60	2.52	1 1/2 & 90	9 1/8 x 2 1/8 x 4 1/8					5 1/2
C20620	G6B60	2.60	0 & 90	13 3/8 x 4 1/4 x 2 1/8					8 1/2

## COMBINATION PACK FOR FARM RADIOS

C20619	17GD60	4.36	1 1/2 & 90			748	61-05	AB82	25
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# POWER SUPPLY EQUIPMENT

## LAFAYETTE Rotary Converters With Radio Filter



All have double wound armature with separate a.c. and d.c. windings; good regulation of output voltage; quiet operation. Other ratings and input and output voltages available. Write for details.

110 Volts D.C. to 110 Volts A.C.

Stock No.	Output Watts	Input Watts	Wt. Lbs.	Your Cost
C17229	110	1.8	33	\$33.57
C17207	200	3.0	38	41.07
C17211	300	4.2	48	52.07

## ATR DC to AC Inverters



Models For 6, 12, 32, 110 and 220 Volts D.C.

Especially recommended for use with radio receivers, phono-radio combinations and similar equipment. Exceptionally well filtered. Designed for quiet, long-life operation. Standard models are equipped with ten-contact plug-in vibrators. All models listed below have 110 V. A.C. output. Both Intermittent and Continuous output wattages are indicated. Size of Standard model 7 1/2 x 8 1/2 x 4 1/2"—Heavy Duty 7 1/2 x 9 1/2 x 6 1/4". Shpg. wt. Standard models 18 lbs.

Stock No.	D.C. Input	Volts	Watts	Int. Con.	Your Cost
C17242	6	85	75	57	\$17.02
C17243	12	125	100	17	17.02
C17244	32	150	100	17	17.61
C17245	110	250	150	17	17.61
C17246*	110	325	225	23	23.23
C17247	220	250	150	17	17.61

\*—Heavy duty model. Shpg. wt. 28 lbs.

## VESTA 2 and 6 Volt Storage Batteries

Long-life storage batteries for radio equipment and lighting systems. Have molded leak-proof containers and oversized cells. Bushings are molded in to prevent corrosion and acid seepage. With radio terminals, bail handle.



### 6-Volt Batteries

No.	Plates	Amps.	Hrs.	Lbs.	Ea.
C21099	13	92	105	35	\$6.55
C21098	15	106	120	42	7.35
C21097	17	124	145	50	8.15

### 2-Volt Battery

Single cell. For 2-volt farm receivers; no external resistor necessary. 300 hour operation at 0.5 amp. drain. 19 plates. Rechargeable. Shpg. wt. 22 lbs.

C21096—Each.....**\$5.45**

### Hydrometer

Live red rubber bulb and nozzle; beaded float. Wt. 2 lbs.

C15694—Your Cost.....**30¢**

## PINCOR "Gold Crown" Heavy Duty Gas-Electric Plants

- ★Economic Operation
- ★Compact Design
- ★"Power Co." Electricity
- ★Light Weight



Heavy Duty 110 V. A.C. Plants. Single cylinder, 4-cycle air cooled engines. They answer the ever-increasing demand for generators of greater output with attending low first cost economical operation and minimum space requirements. Electricity anywhere at anytime. The result of many years of developmental work and tests by "PinCOR" engineers. 600 Watt model has 1 h.p. engine (7 hours on 1 gallon); 1000 Watt model has 2 h.p. engine (4-5 hours per gallon). Electric start (12 v. battery). Aux. rope starter.

Stock No.	Watts	Wt. Lbs.	Your Cost
C19894	600	190	\$157.96
C19895	1000	225	228.36

## MALLORY Battery Chargers

### BATTERY BOOSTER

Dry disc rectifier type 4 to 2 amperes tapering charge. Has external circuit breaker with quick front reset. Perforated for thorough ventilation. With 6-ft. cord for light socket and a 4 ft. cord with clamp on receptacle for dash mounting. Dimen.: 6x3 1/2 x 3 3/8" deep. Finished in black wrinkle. For 115 volts, 50/60 cycles a.c. operation. Shpg. wt. 5 lbs.

C15696—Your Cost.....**\$6.24**

### Model 5535B Charger

Delivers 6 to 4 amperes tapering charge. Employs dry-disc rectifier. Has circuit breaker and large meter indicating rate of charge. Finished in black wrinkle and chromium. Dim.: 7 1/2 x 4 1/2 x 4 1/4". With 6 ft. A.C. cord, 6 ft. D.C. cord and receptacle for dash mounting. For 115 V. 50/60 cycles A.C. Shpg. wt. 7 1/2 lbs.

C15698—Your Cost.....**\$9.02**

### Model 107 Heavy-Duty Charger

10 to 7 ampere charging rate which will completely charge a battery overnight. Employs a dry-disc rectifier, large meter, circuit breaker and provision for thorough ventilation. Complete with 6 ft. a.c. cord, 6 ft. d.c. cord and receptacle for dash mounting. Size: 9 1/2 x 6 1/4 x 5 3/4". For 115 V. 50/60 cycles a.c. Shpg. wt. 11 lbs. For 6-volt batteries.

C15700—Your Cost.....**\$11.76**

### Model 125 12-volt Charger

Heavy duty charger for 12 volt batteries as used in aircraft, trucks, boats, buses, etc. Charging rate 5 to 3 amperes. Employs dry-disc rectifier, meter, circuit breaker, etc., exactly the same as Model 107 listed above. In fact all other specifications are the same as for Model 107. Shpg. wt. 11 lbs.

C17127—Mod. 125.....**\$17.64**

We can supply Mallory aviation rectifier battery chargers to answer the need for a practical and economical unit to charge 12 and 24 Volt aircraft batteries and battery carts. Employs the "tried and proven" Mallory magnesium-copper sulfide dry disc method of rectification. Write for prices and information.

## MALLORY Vibrapacks

Flexible, heavy duty vibrator power supplies for supplying high voltage direct current from a storage battery or similar d.c. source. For use with receivers, amplifiers, transmitters, etc. Four voltage outputs in 25 volt steps. Efficient and compact. Tube rectifier type is required where "B" minus cannot be at ground potential.

No.	Type	Vlt.	Output	Volts	Output	Type	Each
C6090	VP-551	6.3	125-150-175-200	100 ma.	Self-Rect.		\$10.13
C6094	VP-552	6.3	225-250-275-300	100 ma.	Self-Rect.		12.35
C6091	VP-553	6.3	125-150-175-200	100 ma.	Tube Rect.		10.77
C6095	VP-554	6.3	225-250-275-300	100 ma.	Tube Rect.		12.97
C6066	VP-555*	6.3	300	200 ma.	Tube Rect.		25.32
C6067	VP-557*	6.3	400	150 ma.	Tube Rect.		25.32
C6092	VP-G556	12.6	225-250-275-300	100 ma.	Self-Rect.		12.97
C6068	VP-F558	32.0	225-250-275-300	100 ma.	Tube Rect.		13.61

\*Special Dual Packs for high output. Output voltage not adjustable.

Type VP-223 Filter—For all single unit packs where utmost hum suppression and voltage regulation is required. C6060.....\$4.70

### Replacement Vibrators for Vibrapacks

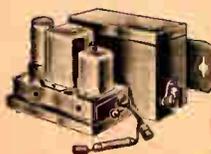
No.	Vibrapacks	Type	Each	No.	Vibrapacks	Type	Each
C6062	VP-551, 552, 540	725	\$3.88	C6064	VP-G556	G-725	\$4.59
C6063	VP-553, 554, 555†, 557†	825	3.18	C6065	VP-F558	F-826	3.50

†—Two vibrators required.

### MALLORY VP-540 Filtered Vibrapack

A complete "B" power unit that operates from any 6 volt storage battery and delivers 250 volts at 60 ma., closely matching the power requirements of most auto, marine and aircraft receivers. The self rectifying unit is fully filtered. Complete with overall dust cover and special mounting bracket. Size: 7 1/2 x 3 1/2 x 5 1/2". Wt. 9 lbs.

C6059—Your Cost.....**\$14.24**



## JANETTE Converters

For operating 110 Volt, 60 cycle a.c. appliances, radios, P.A. systems, etc. from d.c. supplies. All equipped with radio interference filter. All convert D.C. to 110 V. 60 cycles A.C.



### From 110-115V. D.C. To 110 Volts A.C.

Stock No.	Max. Output	Your Cost
C19803	110W.	\$29.69
C19804	150W.	32.63
C19809	225W.	38.07
C19805	300W.	46.01
C19815	500W.	60.56

### From 32 V. D.C. To 110 Volts A.C.

Stock No.	Max. Output	Your Cost
C19801	150W.	32.63
C19802	300W.	46.01
C19813	500W.	60.56



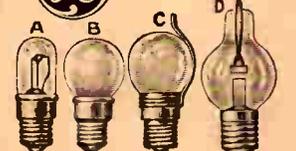
## 5-Amp. Tungar Charger

For charging any 6-volt battery at home. Delivers full 5 amperes and tapers off as battery charges, thus preventing damage to cells due to overcharging. Has receptacle for attaching to car and ammeter so that battery can be charged without removing it from car. With tube and all accessories. For 110 v., 60 cyc. a.c. only. Shpg. wt. 13 lbs.

C15699—Your Cost.....**\$12.25**



## TUNGAR Bulbs



Used in battery chargers. "A" eliminators, etc. Can replace Rectigon bulbs of equal rating. Individually tested. Shpg. wt. 2 lbs.

No.	Type	Rating	Your Cost
C21900	A	6 amp.	Each \$2.94
C21901	B	2 amps.	
C21902	C	2 amps.	Each \$3.67
C21904	B	5 amps.	
C21903	D	6 amps.	3.67
C21911	D	15 amps.	7.35

### Tungar-Type Bulbs

(A)—0.6 amp.	
C21905—Your Cost.....	\$1.85
(B)—2 amp., less tip.	
C21907—Your Cost.....	\$2.40
(C)—2 amp., with tip.	
C21906—Your Cost.....	\$2.40
(D)—6 amp.	
C21908—Your Cost.....	\$2.95
(D)—15 amp.	
C21909—Your Cost.....	\$5.95
(D)—20 amp.	
C21910—Your Cost.....	\$11.25

## Genuine Mazda 6-Volt Edison Base Bulbs

Edison base light bulbs for use in 6-volt lighting circuits. Inside frosted.

C12255—15 W. Draws 2.5 A.  
C12256—25 W. Draws 4.2 A.  
Either Type, Each.....**25¢**

# SPEED UP PRODUCTION.

The watchword of today—the watchword of Victory—is SPEED. Speed in production—speed in management—speed in reaching peak efficiency—all can be better achieved through instant communication. That is why industrial plants everywhere throughout the country have adopted the finest amplifying equipment in the field, LAFAYETTE, to help meet production schedules.

Instant communication between departments—prompt location of personnel—faster transmission of instructions—relieving pressure on telephone switchboards—improving employee morale with music—

these are only a few of the ways in which P.A. will assist in your plant.

Sound systems also play a vital part in military camps and training schools today. They speed up administrative work, expedite announcements and instructions, and furnish music for recreation and drills.

Your sound problem may be entirely different from the hundreds of others we have solved for various users throughout the world. But there is LAFAYETTE equipment that will be best suited to meet your needs for either indoor or outdoor work. Call, write, wire, or teletype us today and we'll help put P.A. to work for you—and Victory.

## What are Your P.A. Requirements?

Because Lafayette offers a complete P. A. line, with a model available for every application, selection of the proper amplifier for a particular project is a simple matter indeed. Whether you need just a small speaker system, many large speakers or a combination of both, there is a Lafayette amplifier that will meet your requirements perfectly. Possibly, you may have some unusual sound problems or you may be in doubt concerning the most suitable system for your use. If so, call, write, teletype or wire our Sound Consultation Division. Our engineers are at your service without obligation, of course, to supply you with recommendations, quotations or any other sound data you may require.

### How to Select System Components

The type of microphone or microphones for use with your system can best be determined by a careful reading of the microphone listings on pages 16, 17 and 18. Speakers, baffles, trumpets, driver units, etc., will be found on pages 20, 21 and 22. The descriptions are, of necessity, confined by space limitations, but should prove adequate to aid in making correct selection of component parts for your P. A. system.

In addition, a listing of excellent Inter Communication Equipment for all office, factory or other use, will be found on pages 14 and 15.

On the following pages you will find Lafayette amplifiers varying in output from 6 watts to 100 watts. These units are simple to install. By following the instructions supplied any electrician, maintenance man or radio technician can set up any Lafayette amplifier and system and be certain of perfect operation in a majority of cases.

The chart below has proved beneficial to many in selecting amplifiers and systems for various locations. This chart is accurate for all normal conditions of noise level. Where noise level is higher for a given location, select the next larger size amplifier; where noise level is lower the next smaller size will suffice. If in doubt, please consult our engineers.

Room Volume	Outdoor Area	Seating Capacity	Amplifier Wattage
50,000 cu. ft.	3,000 sq. ft.	500	5 to 8
80,000 cu. ft.	4,000 sq. ft.	800	12 to 16
150,000 cu. ft.	5,000 sq. ft.	1,500	18 to 24
200,000 cu. ft.	20,000 sq. ft.	3,000	26 to 36
300,000 cu. ft.	40,000 sq. ft.	5,000	30 to 40
500,000 cu. ft.	60,000 sq. ft.	7,500	45 to 65
700,000 cu. ft.	75,000 sq. ft.	10,000	75 to 100

# Lafayette

## 14 WATT

## Amplifier



### TECHNICAL SPECIFICATIONS

**POWER OUTPUT:** 14 watts normal (Less than 5% distortion); 25 watts peak.  
**GAIN:** Microphone inputs 125 db.; Phono input 85 db.  
**FREQUENCY RESPONSE:** 40 to 12,000 cycles plus or minus 1.5 db.  
**INPUT CIRCUITS:** Three input channels; 2 microphone, 1 phono.  
**INPUT IMPEDANCES:** All microphone and phono inputs high impedance. (Model EL 14 has one low impedance microphone channel of 50, 200, or 500 ohms, and one microphone channel and one phono channel of high impedance.)  
**OUTPUT IMPEDANCES:** 4, 8, 15, 250, or 500 ohms.  
**SPEAKER FIELD SUPPLY:** For two 500 ohm field speakers.  
**TUBES:** 2-7B4, 1-7F7, 1-7N7, 2-6L6G, 1-5Y4G.  
**POWER CONSUMPTION:** 90 watts, 117 volts, 50-60 cycles A.C.  
**DIMENSIONS:** 14"x7 1/4"x8".

- ★ Three Inputs—Two Mikes and One Phono
- ★ Full Range Electronic Mixing of all Inputs
- ★ 6L6 Push-Pull Beam Power Output
- ★ Built-in Field Supply

The new Lafayette Model E14 14-watt amplifier incorporates a wealth of high-quality, high performance features. Three separate input channels for two microphones, and one phono pickup, all of high impedance, are provided. Model EL14 is supplied with one low impedance microphone channel for installations which require the use of extremely long microphone lines. The remaining microphone input, and the phono input, are high impedance. In both models, each microphone channel has individual pre-amplifier tube, and all three inputs can be fully mixed simultaneously. Bass and treble tone compensator permits adjustment to meet all acoustic conditions. Push pull 6L6G beam power output assures ample volume with well-rounded tone quality. Output impedances of 4, 8, 15, 250 or 500 ohms are available at a terminal strip and at two built-in speaker sockets. Output impedance at speaker sockets may be instantly changed by means of flexible lead to terminal strip.

Field supply for two 500 ohm field speakers is provided at the speaker sockets, but PM speakers or driver units may be used without any changes. Handsome grey wrinkle finish cabinet with illuminated sloping control panel. Measures 14"x7 1/4"x8".

### Lafayette 14 Watt Amplifier

**Model E14**—Lafayette 14 watt amplifier as described above, complete with tubes and input and output connectors, but less microphone and speakers. (See pages 16 to 22). Shpg. wt. 25 lbs.

**Your Cost** ..... **\$42.04**

### Low Impedance Amplifier

**Model EL14**—Lafayette 14-watt amplifier similar to above, but with first microphone input of 50, 200 or 500 ohms. Tap can be set to desired impedance. Shpg. wt. 25 lbs.

**Your Cost** ..... **\$52.23**

# Lafayette

## 30 WATT

# Amplifier

- ★ The Low-Cost DeLuxe Amplifier
- ★ Beam-Power Output—Electronic Mixing
- ★ Three Input Channels—Full Range Controls

The new Lafayette Model E30 30 watt amplifier truly marks a new path in the field of low-cost, fine quality units. Available in both high and low impedance models, this seven tube high gain amplifier uses a pair of 6L6G beam-power output tubes to provide plenty of power with excellent quality. Three input channels, two for microphone and one for phono permit wide flexibility of operation. Each input is individually controlled and all can be mixed and used simultaneously. A bass and treble compensator is built-in to provide complete variation of tone to match all acoustic conditions. A variable impedance output strip furnishes impedances of 4, 8, 15, 250, or 500 ohms at the two speaker sockets and insures easy and correct matching for any number of speakers. Built-in field supply for two 500 ohm field speakers. PM speakers or driver units may also be used without any circuit changes.

An illuminated sloping control panel, handsomely etched in bright modern colors, matches the smart streamlined cabinet design.

### Lafayette 30 Watt Amplifier

**Model E30**—Lafayette 30 watt amplifier as described above, complete with tubes and input and output connectors, but less microphone and speakers. Shpg. wt. 30 lbs.

**Your Cost** ..... **\$55.12**

### Low Impedance Amplifier

**Model EL30**—Lafayette 30-watt amplifier, similar to above, but with first microphone input of 50, 200 or 500 ohms. Tap can be set to desired impedance. Shpg. wt. 30 lbs.

**Your Cost** ..... **\$65.41**

Microphones and speakers for the above amplifiers are listed on pages 16 to 22.

### TECHNICAL SPECIFICATIONS

**POWER OUTPUT:** 30 watts normal (Less than 5% distortion); 40 watts peak.  
**GAIN:** Microphone inputs 129 db.; Phono input 89 db.  
**FREQUENCY RESPONSE:** 40 to 12,000 cycles plus or minus 1.5 db.  
**INPUT CIRCUITS:** Three input channels; Two microphone, one phono.  
**INPUT IMPEDANCES:** All microphone and phono inputs high impedance. (Model EL-30 has one low Imp. microphone channel of 50, 200, or 500 ohms, and one microphone and one phono channel of high impedance.)  
**OUTPUT IMPEDANCES:** 4, 8, 15, 250, or 500 ohms available at terminal strip or at two speaker sockets.  
**SPEAKER FIELD SUPPLY:** For two 500 ohm field speakers.  
**TUBES:** 2-7B4, 1-7F7, 1-7N7, 2-6L6G, 1-5Y4G.  
**POWER CONSUMPTION:** 130 watts, 117 volts, 50-60 cycles A.C.  
**DIMENSIONS:** 15"x7 1/4"x9 1/4".



**KEEP BUYING MORE AND MORE WAR BONDS AND STAMPS**

# Lafayette

## 70 WATT

# Amplifier

- ★ Exclusive Lafayette Dual Construction
- ★ Two Complete 35 Watt Power Amplifiers
- ★ Units May be Used Separately in Emergency

The Lafayette Model E75 is a dual unit consisting of two separate 35 watt power amplifiers, each with its own driver Stage, Power Supply, Separate Fixed Bias Rectifiers, Inverse Feedback and Separate Master Gain Controls. It may be used as two separate 35 watt power amplifiers—driven by preamplifier common to both—or the outputs of both amplifiers may be paralleled to deliver 70 watts. Exceptionally well suited for all high power installations such as Skating Rinks, Athletic Fields, Stadia, Large Auditoriums, Drills Halls, Armories, Factories, etc.

As an emergency feature the dual amplifier design of Model E75 safeguards against complete breakdown. In the event of tube burn-out, condenser or transformer failure, etc., half the power (35 watts) is still available in the amplifier section not affected. The tapped output transformer of each amplifier is connected to separate marked terminal strips. Two microphones and phono may be mixed simultaneously through the three high impedance inputs. Each input has its full range volume control. A Low Impedance Model EL75 is available at a slight additional cost for installations where it is necessary to run long microphone lines or for other special applications.

A complete variation of the overall tone is made possible by the Bass and Treble compensator, to compensate for all acoustic conditions. Insures far more flexibility of tone range than is possible through ordinary tone controls.

May be operated by remote control; any two input channels may be mixed and volume regulated at any distance. Advanced design remote control circuit not subject to hum, loss or frequency discrimination.

For sound system components to be used with this amplifier see Microphones on pages 16, 17, 18, Speakers on pages 20, 21, Baffles and Trumpets on page 22.

Use any high impedances crystal, dynamic, or velocity microphone; PM speakers, PM driver units, or speakers with AC field exciters.

### Lafayette 70 Watt Amplifier

Model E75—Lafayette 70 watt amplifier as described above, complete with tubes. In metal cabinet, 17½"x10"x12½". Shpg. wt. 68 lbs.

Your Cost ..... **\$95.55**

### Low Impedance Amplifier

Model EL75—Lafayette 70 watt amplifier, similar to above, but with first microphone input channel equipped for low impedance. Uses special high fidelity input transformer, mounted right on chassis. Humless. Tapped at 50, 200, 500 ohms. With tubes. Shpg. wt. 70 lbs.

Your Cost ..... **\$105.84**

### REMOTE CONTROL

Model SRC50—Remote control for use with either of the above amplifiers. Complete with 50 ft. of cable and plugs. Shpg. wt. 4 lbs.

Your Cost ..... **\$6.47**



### TECHNICAL SPECIFICATIONS

POWER OUTPUT: 70 watts (less than 4% distortion) normal 100 watts peak.

INPUT CIRCUITS: Three input channels—two Microphone inputs; one phono input.

INPUT IMPEDANCES: Microphone channels—high impedance 500,000 ohms. (Low impedance channels available in Model EL-75 provides taps of 50, 200, 500 ohms). Phono input—high impedance 500,000 ohms.

DUAL OUTPUT CIRCUITS: Tapped output of each amplifier connected to marked terminal strips.

GAIN: Microphone Inputs; 124 db. Phono Input; 95 db.

FREQUENCY RESPONSE: 30 to 14,000 cycles per second ±1 db.

REMOTE CONTROL PROVISION: Built-in provides complete mixing and fading any two of the 3 available inputs from remote point.

CONTROL PANEL: Six controls; 2 microphone; 1 phono; 2 Master Controls; 1 Bass and Treble compensator.

TUBES 14: 2-7B4, 2-7F7, 2-6F6G, 4-6L6G, 2-5X4G, 2-5W4GT.

POWER CONSUMPTION: 290 watts. 117 volts, 50-60 cycles A.C.

DIMENSIONS: 17½"x10"x12½".

# Lafayette

## 100 WATT

# Booster Amplifier

- ★ Converts Any Small Amplifier Into A High Power Job
- ★ Requires Only Two Watts Driving Power
- ★ All Oversize Components For Perfect Regulation

The Lafayette 100 watt Booster lends itself ideally to large installations such as stadia, ball parks, ship-yards, airports, auditoriums, convention halls, etc.

Embodies all the latest circuit developments. Has four 6L6 beam power tubes arranged in a special push-pull parallel circuit which will deliver 100 watts of undistorted power output. All transformers and components are generously designed to give the excellent regulation so necessary in this type of circuit.

Despite the power output, surprisingly little driving power is necessary—two watts will do a perfect job. Thus any existing small system may be easily converted into a high power installation.

Input 15, 50, 250 and 500 ohms; output 500, 250, 166, 125, 100, 84 and 72 ohms. Separate secondary for voice coil with taps at 15, 9, 4 and 2 ohms to enable the matching of any combination of speakers or lines. Connections on terminal strips.

### LAFAYETTE 100-Watt Booster Amplifier

Model E100—Shpg. wt. 60 lbs.

Your Cost ..... **\$84.97**



### TECHNICAL SPECIFICATIONS

OUTPUT: 100 watts—less than 5% Harmonic Content

OVERALL GAIN: 17 db

FREQUENCY RESPONSE: 30 to 12,000 cycles

INPUT IMPEDANCES: 15, 50, 250, 500 ohms

OUTPUT IMPEDANCES: 500, 250, 166, 125, 100, 84, 72,

15, 9, 4, 2 ohms

TUBE COMPLEMENT: 4-6L6G, 3-5X4G

DIMENSIONS: 9" deep, 16½" wide, 9½" high.

# Lafayette

## 18<sup>T</sup> MOBILE Amplifier



- ★ For 6 Volts D.C. 110 Volts A.C. Use
- ★ Low Current Drain—High Output
- ★ 3 Input Channels—Mixing & Fading

Ideal for use in trucks or cars, for both indoor and outdoor use. Automatic change over from D.C. to A.C. Operates equally well on either type of current. Low current drain on battery (only 14 amperes) makes this a highly popular amplifier for sound truck use. Separate "stand-by" switch permits the tube filaments to remain heated for instant operation while the high voltage supply is cut off to conserve battery supply between announcements, etc.

Mixing and fading control provided for use with any two inputs. Base-treble tone control for acoustic matching. Smartly styled cabinet finished in light grey wrinkle with triple-toned sloping control panel and studio knobs.

For Microphones, Speakers, baffles, trumpets, etc., for use with above see pages 16 to 22. Use any high impedance crystal, dynamic or velocity microphone, and PM speakers or driver units. Now available without phono motor only.

### TECHNICAL SPECIFICATIONS

POWER OUTPUT: 18 watts normal (less than 5% distortion); 24 watts peak.  
 GAIN: Microphone input 115 db., Phono inputs 70 db.  
 FREQUENCY RESPONSE: 50 to 10,000 cycles plus or minus 3 db.  
 INPUT CIRCUITS: Two phono, One Microphone Channel.  
 INPUT IMPEDANCES: All microphone and phono inputs high impedance.  
 OUTPUT IMPEDANCES: 2, 4, 8, 16, 250, 500 ohms with variable selector.  
 TUBES: 1-6J7, 1-6SC7, 1-6F8G, 2-6Y7G, 1-6W5G.  
 CURRENT DRAIN: 6 volt D.C. 14 amps., 117 volts A. C. 110 watts.  
 DIMENSIONS: 13¼" deep, 14⅞" wide, 8⅞" high.

### 18 Watt Mobile Universal Amplifier

Model 422T—Lafayette 18-24 watt Mobile Universal Amplifier, as described above, complete with all tubes. For 6 volts D.C. or 110 volts 50-60 cycles A.C. operation. Shpg. wt. 44 lbs. **Your Cost (less phono motor)..... \$54.30**

# Lafayette

## 8<sup>T</sup> MOBILE Amplifier

- ★ For Police, Military & Civilian Defense
- ★ 6 Volt D.C. and 110 Volt A.C. Operation
- ★ Output Equals Ordinary 15 Watt Amplifiers

The Lafayette Model E66 is a definite departure in the mobile amplifier field. It has been especially designed for use in police and military cars, safety cars, etc. Compact, inexpensive and simple to install and operate. Has extremely low current drain but amazingly high acoustic output.

This model can be used on either a 6-volt storage battery or on 117 volts A.C. Modern in design and extremely simple to install. Requires no more room in a car than a radio or a small heater.

The amplifier utilizes push pull output and has stand-by switch which reduces current drain and keeps unit ready for immediate use.

This amplifier will deliver sound output equivalent to that of a 15 watt amplifier when used with the specially developed University folded exponential reflex speaker listed below. This all-metal completely weatherproof trumpet may be easily mounted under the hood or on the fender or top of an automobile. Other types of PM speakers and any high impedance crystal, dynamic or velocity microphone may be used if desired.

### 8-Watt Universal Mobile Amplifier

Model E66—Lafayette 8-watt Mobile Amplifier, as described above, complete with tubes. Shpg. wt. 18 lbs. **Your Cost..... \$32.05**

C24015—Heavy duty "Booster" speaker with mounting bracket and rubber rim. Shpg. wt. 8½ lbs. **Your Cost..... \$24.70**  
 C13477—Crystal microphone with removable handle, removable base for desk stand operation and 7 ft. cable. **Your Cost..... \$5.85**



### TECHNICAL SPECIFICATIONS

POWER OUTPUT: 8 watts  
 GAIN: Microphone inputs 110 db.; phono input 75 db.  
 HUM: A.C.—Minus 45 db. D.C.—Minus 62 db.  
 INPUT CIRCUITS: 1 Microphone input; 1 phono input all high impedance.  
 OUTPUT IMPEDANCE: 4, 8, 15 ohms available at 5-prong speaker socket.  
 POWER CONSUMPTION: 6.3 volts storage battery; 7 amps.; 117 volts A.C.; 50 watts.  
 TUBES: 1-7F7, 1-6F6G, 1-6AD7G, 1-7Z4.  
 DIMENSIONS: 5¾" wide, 7⅞" deep, 6¾" high.

- ★ Triple Range Electronic Tone Corrector
- ★ 3 Channel Input—Two Mikes, One Phono
- ★ Enclosed Built-In Phono
- ★ Automatic AC to DC Changeover

The De Luxe Lafayette Model EX 32-6 Universal Mobile Amplifier is recommended for use wherever the finest in sound is required. Completely self contained in one compact unit; amplifier and phono assembly with hinged cover as well as automatic changeover for use on six volt D.C. or 115 volt A.C. power supply.

Electronic mixing of both microphone channels and phono input simultaneously. The Triple Range Electronic Tone Corrector offers complete control of bass, treble and middle register. This assures complete mastery over every possible acoustic situation.

A constant speed motor insures smooth running operation on either 6 volt D.C. or 115 volts A.C. An Astatic crystal pickup with shock-proof arm is used.

Use any high impedance crystal, dynamic or velocity microphone, and PM speakers or driver units.

For Microphones, Speakers, trumpets, etc. for use with above amplifiers see pages 16 to 22.

### 32-Watt Deluxe Mobile Amplifier

Model EX32-6—Lafayette 32 watt de luxe mobile amplifier as described above, complete with tubes. **Your Cost..... \$116.42**  
 Model EX632—Same as above, but with Electronic Hydrometer to indicate condition of battery under load **Your Cost..... \$119.36**

# Lafayette

## 32<sup>T</sup> DELUXE MOBILE Amplifier

### TECHNICAL SPECIFICATIONS

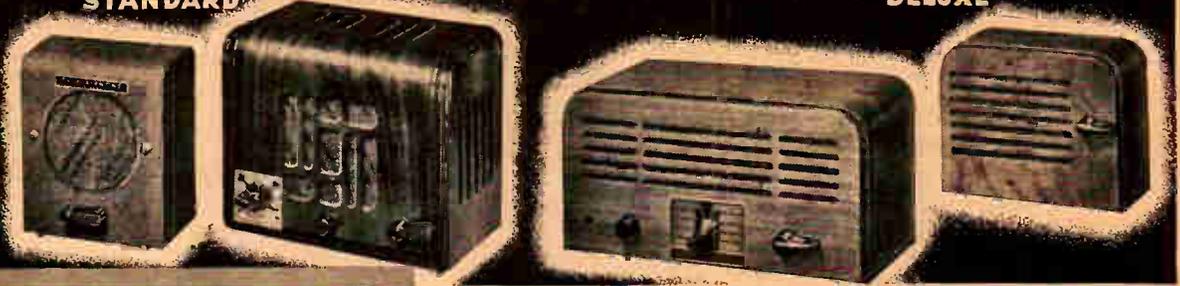
POWER OUTPUT: 32 watts normal (less than 5% distortion); 40 watts peak.  
 GAIN: Microphone inputs 120 db.; Phono input 31 db.  
 FREQUENCY RESPONSE: 30 to 12,000 cycles plus or minus 1 db.  
 INPUT CIRCUITS: Three input channels; Two microphone, One phono. All High Impedance.  
 OUTPUT IMPEDANCE: 4, 8, 15, 250, 500 ohms.  
 CURRENT DRAIN: 6 volt D.C. 23.5 amps., 117 volts A.C. 120 watts.  
 TUBES: 3-7B4, 2-7F7, 2-6L6G, 1-5X4G.  
 DIMENSIONS: 16" long, 16" wide, 10¼" high.

**|| EXPERT EXPEDITING ON GOVERNMENT AND INDUSTRIAL ORDERS ||**

# Intercommunication Systems

STANDARD

DELUXE



## Master Selective Systems

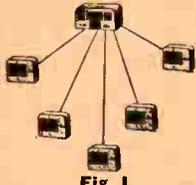


Fig. I

in on any Sub-Station at any time. Sub-Stations may answer or originate a call to the Master, but cannot communicate among themselves. Press-to-talk switch on Sub-Stations is used when originating a call to the Master, but is not used when answering a call. Person at Sub-Station may answer at a distance of 25 to 50 feet from the unit. A system may be built up starting with the Master Station and one Sub-Station, and Sub-Stations added as required.

## Super-Selective Systems

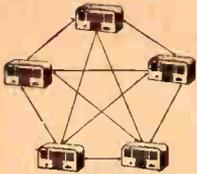


Fig. II

and without cross-talk. There can be absolutely no eavesdropping by other stations. Stations may call other stations even though power is not turned on at station called, and volume on incoming calls may be adjusted at each station. In systems using Privacy Earphone, Talk-Listen switch is not operated. A system may be built up starting with two stations and stations added as required up to a total of ten in all.

## Combination Master Systems

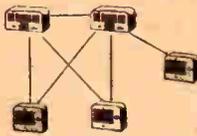


Fig. III

ter or directly connected Staff Station or Sub-Station, and each Master may have its own private network of Staff Stations and Sub-Stations which cannot call or be called by any other Master. Master Stations may listen in on directly connected Sub-Stations at any time, but cannot listen in on Staff Stations. Staff Stations can originate calls to Masters, but cannot listen in at will nor interrupt when Masters are speaking. Sub-Stations cannot originate calls but can answer when called. Both Staff Stations and Sub-Stations can be answered at distances of 25 to 50 feet from the units, but cannot communicate among themselves. A system may be built up starting with two stations (at least one must be a Master) and stations added as needed up to a total of ten in all.

Master Selective Systems consist of a single Master Station and up to ten Sub-Stations. Master Stations can call each Sub-Station individually or all Sub-Stations at once and can listen

Super-Selective Systems consist entirely of Master Station units. Any station may converse with any other station at will, and several separate two-way conversations may be held at the same time with absolute privacy

Combination Master Systems consist of Master Stations, Staff Stations, and Sub-Stations in any combination. Masters can call and converse with any other Master

## TALK-A-PHONE STANDARD SYSTEMS

The Standard Intercommunication Systems listed below are the most economical units available today. They feature SILENT OPERATION—which shuts out at the Master, noises from Sub-Stations not in use; VOLUME LEVEL CONTROL—adjustable at the Master from a whisper to full room volume; FAR REACHING POWER—person called at Sub-Station or Staff Station can answer at distances of 25 feet from the unit. Sub-Stations and Staff Stations may be operated at distances of up to 2000 feet from the Master units. Output from Master Stations is 1 watt, and they can be operated for as little as 15c per month in electric current. Master Station Units are housed in attractive walnut wood cabinets measuring 9 $\frac{3}{4}$ "x5 $\frac{3}{4}$ "x8". Sub-Stations and Staff Stations have metal cabinets, 5 $\frac{3}{4}$ "x3 $\frac{3}{4}$ "x7". For operation on 110-115 volts AC or DC.

### Master Selective System

See Fig. I

- Model LP5—Standard Master Station complete with tubes and instructions. For operation with from one to five Sub-Stations. Less cable. Shpg. wt. 8 lbs. **\$19.95**  
Your Cost.....
- Model LP10—Same as above, but for operation with from one to ten Sub-Stations. Your Cost..... \$24.95
- Model RS3—Standard Sub-Station, for use with either of the above. Shpg. wt. 4 lbs. Your Cost..... \$7.25
- C16000—Cable for connecting Sub-Stations to Masters. Per 10 ft..... 45c

### Super-Selective System

See Fig. II

- Model LP100 Super-Selective Master Station. From two to five may be used in a system. With tubes and instructions, but less cable. Shpg. wt. 8 lbs. **\$23.50**  
Your Cost.....
- Model LP110—Same as above, but from two to ten may be used in a system. Your Cost..... \$26.50
- C16001—Cable for connection between LP100 units. Per 10 ft..... 85c
- C16002—Cable for connection between LP110 units. Per 10 ft..... \$1.30

### Combination Master System

See Fig. III

- Model LP67—Standard Combination Master Station for use in five station system. Complete with tubes and instructions, but less cable. Shpg. wt. 8 lbs. **\$26.50**  
Your Cost.....
- Model LP77—Same as above, but for use in 10 station system. Your Cost..... \$29.75
- Model RS31—Standard Staff Station, can originate calls to one Master. Shpg. wt. 4 lbs. Your Cost..... \$8.75
- Model RS35—Standard Staff Station, can originate calls to up to 5 Masters. Shpg. wt. 4 lbs. Your Cost..... \$10.50
- Model RS2—Standard Combination Sub-Station. Your Cost..... \$6.75
- C16003—Cable for use between up to 3 Masters. Per 10 ft..... 85c
- C16004—Cable for connecting Staff Stations to Masters. Per 10 ft..... 85c
- C16005—Cable for connecting Sub-Stations to Masters. Per 10 ft..... 30c

## TALK-A-PHONE DE LUXE SYSTEMS

### Super-Selective System

(See Fig. II)

- Model KS60—DeLuxe Super-Selective Master Station. From two to ten may be used in a system. Complete with tubes and instructions, but less cable. Shpg. wt. 10 lbs. **\$34.95**  
Your Cost.....
- Model KS60C—Same as above, but with Privacy Earphone. Your Cost..... \$43.50
- C16002—Cable for connecting stations. Per 10 ft..... \$1.30

### Combination Master System

(See Fig. III)

- Model KC87—DeLuxe Combination Master Station, for use in 10 station system. Complete with tubes and instructions, but less cable. Shpg. wt. 10 lbs. **\$38.25**  
Your Cost.....
- Model KC87C—Same as above, but with Privacy Earphone. Your Cost..... \$46.95
- Model UC82—DeLuxe Combination Sub-Station. Shpg. wt. 4 lbs. Your Cost \$11.25
- Model UC201—DeLuxe Combination Staff Station, to call 1 Master with volume control. Shpg. wt. 4 lbs. Your Cost..... \$12.95
- Model UC205—Same as above, but to call up to 5 Masters. Your Cost..... \$14.95
- C16003—Cable for inter-connecting up to three Masters. Per 10 ft..... 85c
- C16006—Cable for inter-connecting up to six Masters. Per 10 ft..... \$1.70
- C16004—Cable for connecting Staff Stations to Masters. Per 10 ft..... 85c
- C16005—Cable for connecting Sub-Stations to Masters. Per 10 ft..... 30c

### Master Selective System

(See Fig. I)

- Model KR40—DeLuxe Master Station, for use with up to ten Sub-Stations, complete with tubes and instructions but less cable. Shpg. wt. 10 lbs. **\$34.95**  
Your Cost.....
- Model KR40C—Same as above but with Privacy Earphone. Your Cost..... \$43.50
- Model RU43—DeLuxe Sub-Station, for use with either of above. Shpg. wt. 4 lbs. Your Cost..... \$11.25
- C16000—Cable for connecting Sub-Station to either type Master. Per 10 ft..... 45c

# THE *Chief* INTERCOM For AC-DC Installations

- ★ Uni-Trans Control
- ★ Powerful Amplifier
- ★ Hold-A-Matic Push Button Control
- ★ Amazing Versatility
- ★ Stylized Cabinets



## TALK-A-PHONE "Chief" Systems

"Chief" Intercommunication Systems offer all the advantages and features of the DeLuxe Systems plus the added flexibility of Hold-A-Matic Push Button Control and the unique Uni-Trans Control. The instantaneous, positive operating pushbutton system enables any number of stations in Master Selective Systems to hold a conference without danger of eavesdropping from other stations in the network. The Uni-Trans insures uninterrupted one way transmission of speech—ideal for dictation, etc. because no other station in the network can interfere. Full power output of 2 1/4 watts allows persons at distances of up to 50 feet from the units, and permits the use of up to 3000 feet of cable between stations with undiminished volume. Master Stations are housed in matched wood cabinets of harmonious design measuring 15"x6 1/2"x7". Staff Stations and Sub-Stations have matching wood cabinets measuring 7 1/2"x3 3/4"x6 1/4". For Operation on 110-115 volts AC or DC.

### Master Selective System—Fig. I

**Model C410**—Chief Master Station for use with up to ten Sub-Stations, complete with tubes and instructions but less cable. Shpg. wt. 14 lbs. **Your Cost..... \$41.25**  
**Model 410C**—Same as above, but with Privacy Earphone. **Your Cost..... \$50.25**  
**Model RU43**—Chief Sub-station, for use with either of the above. Shpg. wt. 4 lbs. **Your Cost..... \$11.25**  
**C16000**—Cable for connecting Sub-Stations to Master. Per 10 ft..... 45c

### Super-Selective System—Fig. II

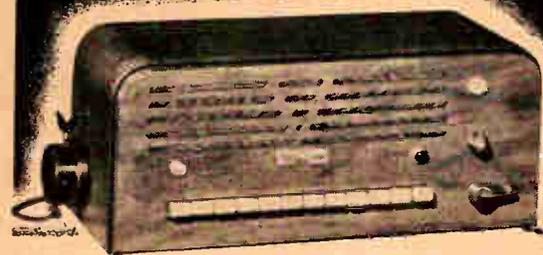
**Model C610**—Super-Selective Master Station, for use in ten station system, complete with tubes and instructions, but less cable. Shpg. wt. 14 lbs. **Your Cost..... \$41.25**  
**Model C610C**—Same as above, but with Privacy Earphone. **Your Cost..... \$50.25**  
**C16007**—Cable for interconnecting stations. Per 10 ft..... \$1.70

### Combination Master System— Fig. III

**Model C810**—Combination Master Station, for use in 10 station system, complete with tubes and instructions, but less cable. Shpg. wt. 14 lbs. **Your Cost..... \$46.95**  
**Model CS810C**—Same as above, but with Privacy Earphone. **Your Cost..... \$55.95**  
**Model UC201**—Staff Station to originate calls to 1 Master. With Volume Control. Shpg. wt. 4 lbs. **Your Cost..... \$12.95**  
**Model UC205**—Same as above, but to originate calls to up to 5 Masters. **Your Cost..... \$14.75**  
**Model UC82**—Sub-Station. Cannot originate calls to Masters. Shpg. wt. 4 lbs. **Your Cost..... \$11.25**  
**C16006**—Cable for interconnecting up to 6 Masters. Per 10 ft..... \$1.70  
**C16004**—Cable for connecting Staff Stations to Masters. Per 10 ft..... 85c  
**C16005**—Cable for connecting Sub-Stations to Masters. Per 10 ft..... 30c

# THE *Super Chief* INTERCOM For DeLuxe AC Installations

- ★ Private Conference Traffic Control
- ★ Call Waiting Light
- ★ Busy Signal Light
- ★ Hold-A-Matic Push Button Control
- ★ Uni-Trans Control



## TALK-A-PHONE "Super Chief" Systems

"Super Chief" Intercommunication Systems, the answer to today's great demand for split-second communication, offer supreme versatility of operation, absolute privacy, high power output, finest voice reproduction, beautiful styling, and these many new features: Busy Signal Light: Red light indicates that the station called is busy; Call Waiting Light: Amber light indicates that a station has called, without allowing voice to break into conversation; Uni-Trans. Control, for uninterrupted one-way speech; Hold-A-Matic Push Button Control, for instant and positive operation; Privacy Earphone, (optional) for absolute listening privacy; Individual Station Volume Control on Masters and Staff Stations; Full AC operation, for dependability and extra power. Master Stations have full 5 watt undistorted output. Master Stations are housed in Custom Styled, ultra-modern choice wood cabinets which will fit into any modern arrangement. Size 15"x6 1/2"x7". Staff Stations and Sub-Stations in matching wood cabinets, 7 1/2"x3 3/4"x6 1/4". For operation on 110 volts 60 cycle AC only.

**Master Selective System—Fig. I** Incorporates all the Super Chief features, including Busy Signal and Call Waiting Lights. When Master is talking to a Sub-Station, and another Sub-Station calls, Call Waiting Light

at Master indicates another station has called without allowing voice to break into conversation. At the same time, Busy Signal Light on Sub-Station indicates the Master is busy. As soon as first conversation ends, lights go off and new conversation can start.

**Model CS1410**—Super Chief Master Station for use with up to ten Sub-Stations, complete with tubes and instructions but less cable. Shpg. wt. 16 lbs. **Your Cost..... \$70.50**  
**Model CS1410C**—Same as above, but with Privacy Earphone. **Your Cost..... \$79.50**  
**Model US703**—Sub-Station for use with either of above. Shpg. wt. 4 lbs. **Your Cost. \$20.50**  
**C16008**—Cable for connecting Sub-Stations to Master. Per 10 ft..... 85c

### Super-Selective System—Fig. II

The most efficient system for executives and department heads. Busy Signal and Call Waiting Lights form complete privacy protection so that several stations may hold a conference with absolutely no interference or eavesdropping from other stations. When the Privacy Earphone is used in the system, units operate just like a telephone—no need to use the Talk-Listen switches. Several separate uninterruptible and completely private two-way conversations may be held simultaneously.

**Model CS1010**—Super Chief Super-Selective Master Station, for use in up to ten station

system, complete with tubes and instructions, but less cable. Shpg. wt. 16 lbs. **Your Cost..... \$70.50**  
**Model CS1010C**—Same as above but with Privacy Earphone. **Your Cost..... \$79.50**  
**C16009**—Cable for interconnecting either of above stations. Per 10 ft..... \$2.95

### Combination Master System— Fig. III

Includes all the Super Chief features combined with supreme versatility never before achieved in intercom systems.  
**Model CS1810**—Super Chief Combination Master Station, for use in ten station system, complete with tubes and instructions, but less cable. Shpg. wt. 16 lbs. **Your Cost..... \$79.50**  
**Model CS1810C**—Same as above but with Privacy Earphone. **Your Cost..... \$88.25**  
**Model US901**—Staff Station to call 1 Master. Shpg. wt. 4 lbs. With Busy Signal Light and Volume Control. **Your Cost..... \$20.50**  
**Model US905**—Same as above, but to call up to 5 Masters. **Your Cost..... \$26.50**  
**C16009**—Cable for interconnecting Masters. Per 10 ft..... \$2.95  
**C16010**—Cable for connecting Staff Stations to Masters. Per 10 ft..... 85c

Systems of up to 100 stations, using any Talk-a-Phone model are available. Complete information and prices on request.

**HOW TO ORDER CABLE.** For Master Selective Systems, Measure the distance between each Sub-Station and the Master Station, and order cable equivalent to the total of these distances. For Super-Selective Systems, measure the distance between the first Master and the second, the second and the third, etc., until you reach the last station in the system. Order cable equivalent to the total of these distances. For Combination Master Systems, measure distance from first Master to second, second to third, etc., until you reach the last Master in the system. Order interconnecting cable for Masters equivalent to the total of these distances. Then measure the distance between each Sub-Station or Staff Station and the Master or Masters to which it is to be connected and order cable equivalent to the total of these distances.

**|| PERFECT MERCHANDISE — PROMPT SHIPMENT — PERSONAL SERVICE ||**

# ASTATIC Microphones



**(A) Model T-3**

A new and improved semi-directional crystal mike with superb response. Tilting head; tilts from horizontal to vertical. Output—52 db., response 30 to 10,000 cps. Standard plug and connector, with  $\frac{3}{8}$ "-27 thread, spring cable protector and 15-ft. cable. Chrome plated finish with fine mesh screen grille. High impedance.

**C13670—Wt. 3 lbs. Your Cost..... \$14.70**

**Mike and Stand**

**C13525—Model GT-3**—T-3 mike as above with Grip-To-Talk Stand. Shpg. wt. 5 lbs. **Your Cost..... \$17.64**

**(B) Model D-104**

A favorite for communications use. Has a new type Grapholite crystal element with improved shock mounting. Output. -48 db.; response rises gradually from 500 to 4000 c.p.s. Solid bronze case finished bright chrome. With plug and connector for  $\frac{3}{8}$ "-27 thread, spring cable protector and 7 ft. cable. High impedance. Shpg. wt. 2 lbs.

**C13363—Your Cost \$13.23**

**Model GD-104:** D-104 mike on "Grip-to-talk" desk stand described on page 19. Shpg. wt. 5 lbs.

**C13358—Your Cost..... \$16.17**

**(C) Model N-30**

A model with excellent frequency response that makes it highly desirable for use in sound systems. Careful engineering, efficient manufacture and rigid laboratory control to provide perfect satisfaction. Ideal for all-round public address use. High impedance. Tilting head permits adjustment to directional or non-directional positions. Concentric cable connector provides for quick interchange of cables. Chrome finish. 15-ft. cable. Shpg. wt. 5 lbs.

**Model N-30. Wide-Range. C13401—Your Cost..... \$10.29**

**(D) L-1 Lapel Mike**

Small watch case model using the dual-diaphragm principle. Bimorph crystal cartridge barometrically compensated and shockproof mounted. Developed to meet especially difficult pickup conditions where the speaker or artist requires a wider latitude of movement than can be tolerated with a microphone in fixed position. Equipped with a Spring Clip. Output -62 db. Response: 30-10,000 c.p.s.  $1\frac{1}{2}$ " diameter. 15-ft. cable. Statuary bronze. High impedance. **C13429—Ea.... \$14.70**

## ASTATIC Model JT-30-TT

Incorporates an "Ebonite" treated sealed Bimorph crystal element in an acoustically designed cartridge case. Output is -52 db. Pleasing bass response. Case  $2\frac{1}{8}$ " diam. 3" h.  $3\frac{1}{8}$ " d. Finished in two-tone gray. Mounted on a combination hand or desk stand with diecast base and locking wood handle. Excellent for use with home recording outfits, etc. Especially well suited for use with portable and permanently installed sound systems or communication equipment. High impedance. All purpose mike. 15' cable. Shpg. wt. 4 lbs.

**C13427—Your Cost Complete.... \$9.11**

## KAAR Type 4-C Microphone

**\*Superb Voice Quality \*Moisture Proof**  
Single button carbon type housed in a black molded bakelite case. Direct action. The design is such as to minimize any loss of efficiency due to the angular position of the microphone. High Output. Impedance is approximately 50 ohms. "Push-to-talk" button grounds a third wire in the microphone cable and can be used for controlling various circuits in the transmitter and receiver. Holder furnished. Mike measures  $2\frac{3}{4}$ " diam. by  $1\frac{3}{4}$ " deep over bracket. Switch extends  $\frac{5}{16}$ " above case. 32' microphone cable supplied with 3-way mike plug. Shpg. wt. 9 oz.

**C13449—Your Cost..... \$11.50**

## UNIVERSAL Model W

Single button Carbon, high sensitivity, light weight, compact design. Ideal detectaphone, used on small transmitters, communicating systems; experimenters' favorite. Clear-cut response to all voice frequencies. (Output level, -38 db). Screw terminals. 200 ohm impedance. Black bakelite case.  $1\frac{1}{8}$ " d.,  $\frac{1}{2}$ " thick. Shpg. Wt.  $2\frac{1}{2}$  ozs.

**C13443—Your Cost..... \$2.35**

## AR-1 AIRCRAFT Microphones

Single button carbon mikes which operate in any position where a light weight rugged unit is required. Heavy duty DPST press to talk switch. Will operate in any climate. Moisture proof. 4' cord.  $1\frac{3}{4}$ " diam.,  $1\frac{1}{4}$ " thick. Button impedance 200 ohms. Shpg. wt. 1 lb. Model AR-IS. For closed cabin craft.

**C13444—Your Cost..... \$20.58**

Model AR-IM. For moderately quiet cabin craft.

**C13445—Your Cost..... \$20.58**

Model AR-ID. For open Cockpit and combat aircraft.

**C13446—Your Cost..... \$20.58**

## AIRCRAFT TYPE Hand Set

For aircraft, amateur, mobile or pack transmitters and Two-Way Phone Systems. May be used anywhere. Rugged, light weight construction. Low priced, dependable instrument. Furnished in black bakelite with 6' cord. 200 ohm single button Microphone and 500 ohm Magnetic type receiver to match line impedance. Shpg. wt. 1 lb.

**C13596—Your Cost..... \$7.35**

# Electro-Voice Microphones



**(A) Model 612**

Frequency response 40 to 9,000 cps. Output level: -56 db. The head is tiltable through a 90° arc. Convenient on-off switch. Cable connector part of stand coupler not subject to strain when head is tilted. Available in chrome or gun-metal. 20-ft. cable supplied. High impedance. Chrome Finish.

**C13787—Your Cost..... \$16.17**

Gunmetal Model.

**C13788—Your Cost \$14.70**

**(B) Model 605**

A new low-cost dynamic that provides excellent quality, appearance and durability. Frequency response 45 to 8,000 cps., excellent for P.A. and recording. Output level: -57 db. Head has fixed tilt of 22°. Available in chromium or gunmetal finish. With 8-ft. cable. High impedance. Shpg. wt. 5 lbs. Chrome Finish.

**C13785—Your Cost \$11.76**

**C13786—Gunmetal Finish. Your Cost \$11.17**

**(C) Model 630**

A popular priced dynamic with excellent characteristics. Pure piston-acting diaphragm to eliminate spurious frequencies. Frequency response 40 to 10,000 cps. Output level: -55 db. Tiltable. Built-in on-off switch. 20-ft. cable. Shpg. wt. 5 lbs. High impedance.

**C13505—Chromium Finish. Your Cost \$17.64**

**C13506—Gunmetal Finish. Your Cost \$16.17**

**(D) Model V-1**

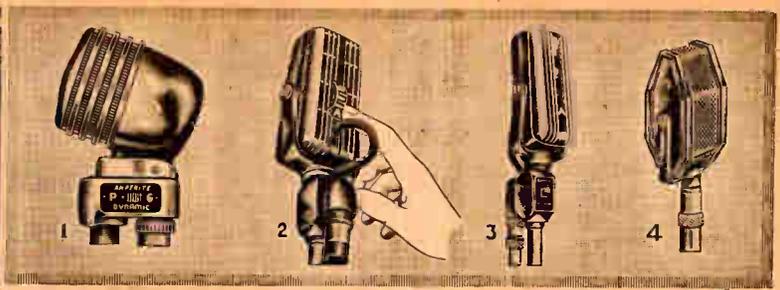
A real high-fidelity velocity microphone. Excellent for P.A., recording, etc. Small in size, yet highly flexible in operation. Carefully engineered under rigidly supervised testing. Frequency response 40-10,000 cps. Output level: -65 db. May be tilted for non-directional use. Zero cavity resonance, reduced feedback. On-off switch, 20-ft. cable. Gunmetal finish, chrome trim. Built-in xformer. Wt. 6 lbs. High impedance. **\$16.17**

**(E) MODEL V2**

A wide-range high impedance velocity microphone that will provide long and trouble-free service with amazing accuracy of reproduction of both speech and music. No inductive hum pickup to within 18' of a power supply. With rubber mounted shock absorber, 20' cable and locking cradle. Response: 35-11,000 c.p.s., substantially flat. Output: -64 db.

**C13740—Your Cost..... \$22.05**

# AMPERITE Microphones



## "PG" Pressure Gradient Dynamics (1)

★Eliminates Feedback   ★Uni-Directional   ★Flat Response  
New superior ellipsoid pickup pattern. Eliminates feedback trouble because it has lowest feedback point of all diaphragm type microphones. Free from annoying peaks, giving studio quality reproduction. Range 40 to 11,000 c.p.s. Output level—56 db. Station-type cable connector, built-in "on-off" switch. Case is designed according to modern acoustic principles with satin chromium finish. Rugged, not affected by temperature, altitude or humidity. Has unusually high output.

- C13610**—PGH. High Impedance  
**C13613**—PGL. 200 Ohms  
**Your Cost, Either of Above**..... **\$18.82**
- C13611**—PGAH. As above, but 70 to 8000 c.p.s. 12 ft. cable. High Impedance.  
**Your Cost**..... **\$14.70**
- C13607**—Plastic Baffle for PG Microphone..... Each 88c

## Velocity Microphones

(2) **With Acoustic Compensator.** Feature hand-hammered ribbons. Alnico magnets, standard "station type" cable connector assemblies, built-in "On-Off" switch, felt carrying case. Guaranteed for three years. Built-in Acoustic Compensator—push knob up to increase highs—down to increase lows. Range: 40-11,000 c.p.s. Output: —65 db. 25-ft. cable. Chrome. Wt. 8 lbs.  
**C13668**—RBHD. Hi-Impedance. **Your Cost** **\$24.70**  
**C13669**—RBMK. 200 Ohms..... **Either Type**

(3) **Standard Models**  
Similar but range: 60-8000 c.p.s. Output—68 db. 12-ft. cable.  
**C13598**—RSHK. Hi-Impedance **Your Cost** **\$18.82**  
**C13599**—RBSK. 200 Ohms..... **Either Type**

(4) **Economy Velocity**  
Amperite quality at a very low price. Excellent response. Output: —68 db. Shock absorber, swivel, carrying bag. Chrome finish. RAL—200 ohms. RAH—2000 ohms impedance. Wt. 7 lbs.  
**C13618**—RAL (8-ft. cable). **Your Cost** **\$12.94**  
**C13619**—RAH (12-ft. cable)..... **Either Type**



## KONTAK MIKES For Musicians

Faithfully reproduce the vibrations of any musical instrument. They reproduce the entire audible range without introducing any annoying peaks. Used extensively by many famous name bands. Have been used by the Philadelphia Symphony Orchestra to re-enforce a mandolin solo. Increase timbre—create new effects. Available, as illustrated at left above, without hand volume control and also with this control as illustrated at right. Model KR is a special hi-output model that will work on phono inputs of most amplifiers and radio receivers (built after 1935). Other models are for use on regular mike channels. All are high impedance (available in 200 ohms impedance on order only). Average shpg. wt. 4 lbs. each.

Models Without Volume Control (1x3x1")					
Stock No.	Model	Range	Level	Cable	EACH
<b>C13661</b>	KTH	40-9000 c.p.s.	—30 db.	25-ft.	\$12.94
<b>C13675</b>	SKH	40-6000 c.p.s.	—40 db.	15-ft.	7.06
<b>C13698</b>	KR	40-6000 c.p.s.	Spec.	15-ft.	7.06
Model With Volume Control (3x1x1/2")					
<b>C13690</b>	KKH	40-6000 c.p.s.	—30 db.	25-ft.	10.58
<b>C13691</b>	KKHH	40-9000 c.p.s.	—30 db.	25-ft.	16.46

## "KF" Foot Volume Control

Provides smooth control of volume by foot action. For any high impedance Kontakt mike. Size: 9x2 1/2x2 1/2". Supplied with 15-ft. cable. Shpg. wt. 4 lbs.  
**C13663**—Your Cost Each..... **\$7.06**

## Bridge Clamp

For guitars, mandolins and similar instruments. Simplifies installation of Kontakt microphones on string instruments. Adjustable from 1/8" to 1 1/4". **C13686**—Your Cost Each..... 59c  
Strap for flat top guitars.  
**C13687**—Your Cost Each..... 59c

## LGP Input Transformer

Matches 50 or 200 ohms to hi-impedance input. Standard for close talking microphones; Laboratory for voice and music.  
**C13608**—Standard—Your Cost Each..... **\$3.53**  
**C13609**—Laboratory for voice and music. Your Cost..... \$5.88

## Replacement Ribbons (Not Shown)

For use with Amperite Velocity Microphones RBLIK, RBMK, RSHK, RBSK, 2 to a package.  
**C13566**—Standard. Each..... 73c   **C13567**—Super. Each..... \$1.03

# American Dynamic Microphones

## Model D7T

A good quality moving-coil dynamic with a semi-communication type response suitable for general PA work. Compact—2x2 1/4". Output: —56 db. (below 1V. bar). Hi-impedance. Semi-directional. Equipped with 12 1/2 ft. cable. Fits 3/8"—27 threaded stand. Wt. 3 lbs.  
**C13486**—Hi-Impedance  
**C13487**—200 ohms.  
**Either Type, Each**..... **\$14.55**

## Model D9AT Unidirectional Mike

A pressure-velocity combination microphone with pickup only from the front, broad frequency response and high output plus the usual dynamic microphone qualities of ruggedness, immunity to weather conditions and circuit adaptability. Average output approximately —54 db. Response good to 10,000 c.p.s. Size: 7x2 1/2x2 1/4" deep. Satin chrome finish. 25-ft. shielded rubber covered cable. Standard 3/8"—27 thread. Equipped with swivel and standard cord connector. Wt. 4 lbs.  
**C13571**—Hi-impedance.  
**C13572**—200 ohms impedance  
**Each**..... **\$24.25**

## Model RC Crystal Mike

Chrome and walnut finished Mike. With cable and spring protector for cable at mike. Wide range, semi-directional. Output—52 db. Two-piece removable desk stand easily converted into a hand mike. Mike can be mounted on floor stand. 3/8"—27 thread. Suitable for home-recording, PA, etc. Wt. 1 1/2 lbs.  
**C13477**—With 7-ft. cable.  
**Your Cost**..... **\$5.85**

## Model D220T

A unique moving-coil, wide range dynamic mike with two generators each with a specific frequency response. Combined outputs electrically and acoustically coupled produce an ideal response variable to three positions—high (150 to 10,000 c.p.s.), full (30 to above 10,000 c.p.s.) and low (25 to 5000 c.p.s.). In the "full" position there is a broad crossover (150 to 5000 c.p.s.) between generators. Output level —55 db. 5 1/2 x 4 x 2". Brushed chrome finish. 25-ft. cable. Wt. 4 lbs.  
**C13573**—Hi-Impedance.  
**C13569**—200 ohms.  
**Either Model, Each**..... **\$38.22**

## Model D4T

Fine response from 60 to 7500 cycles and a high output of —56 db. feature this new model. Rugged yet light in weight (app. 10 1/2 oz.) 180° vertical angular setting, and positive friction lock at the swivel. Single contact shielded plug. 12 1/2-ft. cable. Wt. 2 lbs.  
**C13586**—Hi-Impedance.  
**C13587**—200 ohms.  
**Either Type, Your Cost**..... **\$12.93**

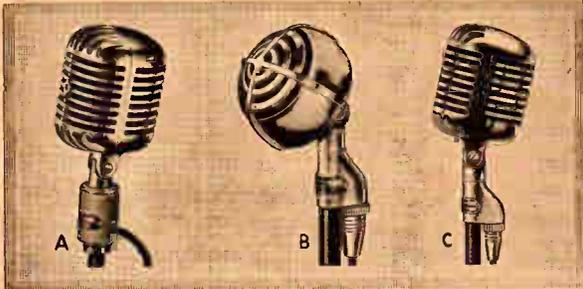
## Model C6 Crystal Mike

Has a crystal driving lever twice as efficient providing twice the output with equal sound pressure. Broader response—better bass. Output approx. —48 db. Swivel head. 7-ft. cable with connector at mike end. Range: 40-9000 c.p.s. Chrome finish. Overall height 3". Diameter 2 3/8". Standard 3/8"—27 thread. Wt. 2 lbs.  
**C13580**—With 7-ft. cable.  
**Your Cost**..... **\$9.70**





# SHURE MICROPHONES



## UNIDIRECTIONAL MICROPHONES

- ★ Greater output without feedback
- ★ Eliminates reverberations and background noises
- ★ Permits closer placement of mike and speakers

### (A) Model 556 DYNAMIC

**Super-Cardioid.** Has the most unidirectional pattern in the linacon family. It is twice as unidirectional as the Cardioid, from the standpoint of receiving front sounds and rejecting rear sounds, yet has wide-angle front pick-up. This new pick-up pattern decreases pick-up of reverberation and random noise 73%. "Ultra" wide range frequency response from 40 to 10,000 cycles assures excellent reproduction. Moving coil unit is highly immune to mechanical vibration and wind noises. Furnished complete with 18 inch cable. Shpg. wt. 6 lbs.

C13563—Model 556C. Hi-impedance.

C13564—Model 556B. 200-250 ohms.

C13568—Model 556A. 35-50 ohms. Any Above, Each **\$44.10**

### (B) Model 730B "Uniplex" Uni-Directional Crystal

A true uni-directional mike—sensitive at the front, dead at the rear. Solves feedback, room and background noise and reverberation problems. Ideal for use in theatres, night clubs, restaurants, churches, etc. High quality—wide range response. Average front to rear discrimination about 15 db. Output level 63 db. below 1 volt per bar. Triple moisture-proofed Grafoil Bimorph crystal. Head diameter 3 3/8", depth 3 3/8". Fits standard 5/8"-27 threaded stand. 25 ft. cable and connector. Shpg. wt. 4 lbs.

C13679—Model 730B.

Similar to above but especially designed for voice reproduction. Ideal for police, commercial and amateur use.

C13699—Model 730SH. With 7-ft. cable.

Your Cost, Either Type **\$20.87**

### (C) Model 55 "Unidyne" Uni-Directional Dynamic

Famous Shure "Cardioid" Dynamic—dead at rear. The answer to many a difficult installation. Eliminates feed-back problems and provides greater usable output. Response: 40-10,000 c.p.s. Ideal for high quality broadcast, P.A. and Recording. High output: 55.5 db. below 1 volt per bar. Complete with Shure cable connector and 25 ft. cable. Case dimensions: 4 1/4" high, 3 1/4" wide and 3 1/4" deep. High impedance model with built-in transformer. Shpg. wt. 5 lbs.

C13688—Model 55C—High Impedance. EACH **\$29.11**

C13672—Model 55A—Low Impedance. Same as 55C but 35-50 ohms impedance. Recommended where long lines are necessary. Cable length practically unlimited. Complete with 25 ft. cable. **\$27.64**

YOUR COST **\$29.11**

C13664—Model 55B. Same as 55A but for 200-250 ohms. With 25-ft. cable. **\$29.11**

YOUR COST **\$29.11**

C13673—Cable type transformer to match 55B or 55C to hi-imped. \$7.06

C13665—Model 55CV. Special voice model for speech and singing. Excellent for Sound Systems, Communications and Recording. Other specifications same as the above. High Impedance. **\$28.34**

YOUR COST **\$28.34**



### MODEL S36A Desk Stand

Streamlined die-cast base with rubber feet for stable support at correct height. Takes Shure connector or any standard type mike, concealing plug in base. Others mount as shown in illustration. Ornamental button on front can be removed and a switch or volume control substituted. Adapter plate and tubing provided for other type microphones. Iridescent gray finish. Base 2 1/2" H., 5" W., 7" L. Shpg. wt. 2 lbs.

C13602—(Less Mike) **\$2.35**

YOUR COST **\$2.35**

### Model S32D Desk Stand

Popular design and quality construction. Modernistic style beautifully finished in iridescent gray and polished metal. Height adjustable from 7" to 11". 6" diameter base. Standard 5/8"-27 thread for mike. Wt. 4 lbs. (Less Mike).

C13643— **\$4.41**

YOUR COST **\$4.41**

## MILITARY CARBON HAND MIKE

- ★ Push-to-Talk Button
- ★ Light—Compact—Sturdy
- ★ For Communication Work
- ★ For Mobile Use



This type is widely used with Police Radio and other communications equipment. Designed to fit comfortably in the palm of the hand with the thumb resting on the push-to-talk button. Light and compact yet very sturdy. Finished in blue-gray crackle with polished trim. Dimensions: 3 3/4" high, 2 1/4" wide, 1 1/2" thick. The frequency response has been designed to give clear distinct voice reproduction. Mike comes complete with suspension hook and bracket for wall mounting.

C13654—Model 105A. Mike switch normally open. No relay switch. 7-ft. shielded cable. Shpg. wt. 1 lb.

C13655—Model 101A. No mike switch. Two-wire relay switch normally open—close to talk. 4-ft. 4-conductor unshielded cable. Shpg. wt. 1 lb.

C13656—Model 102A. Mike switch normally open. Relay switch normally open. 4-ft. 4-conductor unshielded cable. Shpg. wt. 1 lb.

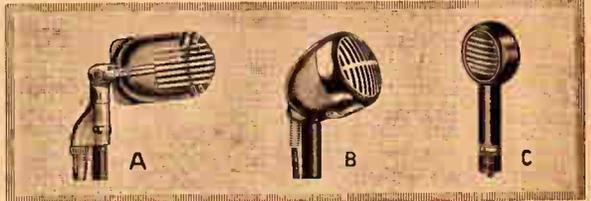
YOUR COST, ANY TYPE **\$14.70**

### Model 750-B Crystal Hand Mike

Similar in appearance to the carbon hand mikes above but with crystal element. Excellent response and output level. Has push-to-talk mike switch and 7-ft. shielded cable. Shpg. wt. 1 lb.

C13649—Model 750-B. Crystal Hand Mike. **\$14.70**

YOUR COST **\$14.70**



### (A) Model 708A Crystal Mike

Excellent, smooth, wide-range response. Output 49.7 db. below one volt per bar at end of 7 ft. cable. Bimorph crystal mechanically isolated. Convenient swivel. Diam. 2 1/2". Length 4 1/4". Satin-chrome die-cast case, polished bars. Shpg. wt. 3 lbs. With 7-ft. cable.

C13633—YOUR COST **\$11.46**

C13634—Same with 18 ft. cable. Shpg. wt. 6 lbs. **\$11.94**

YOUR COST **\$11.94**

### (B) Model 707A Crystal Mike

General purpose mike. Die-cast case finished iridescent grav. Polished grille. Output—49.7 db. Diam. 2 3/8". 7-ft. cable.

C13630—Wt. 2 lbs. **\$7.35**

YOUR COST **\$7.35**

### (B) Model 508C Dynamic Mike

Moving coil type with smooth wide-range response. Rugged, practically immune to heat and humidity. Output—63db. below one volt per bar. Hi-impedance. 18 ft. single shielded single conductor cable and connector. For size and weight see 708A at top.

C13635—YOUR COST **\$16.93**

### (C) Model 717B

Low priced hand mike for home recording and communication use. Tenite case. Mechanically isolated crystal. Output level—49.7 db. Diam. 2 1/2". Height 6". Depth 1 1/2". 7-ft. cable. Wt. 2 lbs

C13603—YOUR COST **\$5.85**

### MODEL S34B Desk Stand

Handy low-cost combination hand and desk stand. One twist of handle locks it securely in base for use as a table stand, or releases handle for use in hand. Metal base, wood handle. Metal top threaded 5/8"-27. Height over all 6 1/4". Base diam. 4 1/2". Length of handle 5 3/8". Shpg. wt. 1 lb.

C13591—(Less Mike) **\$1.18**

YOUR COST **\$1.18**

### MODEL 76B Lapel Mike

Small (1 1/8" diameter), light (1 1/2 ozs.) and inconspicuous crystal mike with high output level. Clips to lapel by means of a spring clip. Iridescent gray finish. 25 feet of special flexible cable. Particularly designed for voice frequencies. Excellent for lecturers, instructors, etc. because of the freedom it gives. Shipping wt. 1 lb.

C13638— **\$14.70**

YOUR COST **\$14.70**





# MIKE STANDS and ACCESSORIES

## Crystal Mike Cable



Flexible stranded tinned copper single conductor; tinned copper braid shield; cotton wrap and lacquered braid, rubber overall. Outside diameter .280".

**C20842—Per Foot..... 5¢**  
**C16333—50-Foot Roll..... \$2.35**  
**C16334—100-Foot Roll..... 4.45**

## Low Impedance Crystal And Velocity Mike Cable



Consists of two conductors, color-coded in a closely woven tinned copper shield with outer covering of rubber. Abrasion proof.

**C16079—Per Foot..... 5 1/2¢**  
**C16201—50-Foot Roll..... \$2.60**  
**C16202—100-Foot Roll..... 4.65**

## 3 and 5 Conductor Shielded Cable



Three color-coded stranded conductors in tightly woven tinned copper shield. 1/8" outer covering of high-percentage rubber.

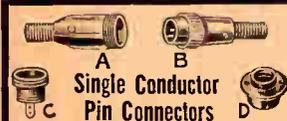
**C16145—Per Foot..... 6 1/2¢**  
**C16206—50-Foot Roll..... \$3.09**  
**C16207—100-Foot Roll..... 5.95**  
 Similar to above, but 5-conductor.  
**C16100—100-Feet \$9.00.**  
**Your Cost per Foot..... 10¢**

## Microphone Fittings

Brass, chrome finish. Threaded 5/8"-27.

(A) Couples two fittings threaded 5/8"-27.  
**C11770—12¢ Each**

(B) Connects two cables with female connectors, taking place of male connector and cable.  
**C11771—Each..... 38¢**



## Single Conductor Pin Connectors

Metal shells are heavily plated. Bakelite elements. Screw type coupling rings lock male and female connectors. Shells may be utilized for second conductor. For cable up to 1/4" dia.

**C13286—Male (B) } 38¢ Ea.**  
**C13287—Female (A) }**  
**C13288—Female chassis connector. Mounts in a single 5/8" hole. (C).**  
**Your Cost Each..... 24¢**  
**C12574—Female chassis connector with riveting plate. Single 5/8" hole mtg. (D).**  
**Your Cost Each..... 29¢**

## Two-Conductor

Like the above, but for 2-conductor cables and twisted pairs. Have two parallel contacts.

**C13289—Female } 47¢ Ea.**  
**C13290—Male }**  
**C13292—Female chassis connector. Mounts in a single 5/8" hole. (C).**  
**Your Cost Each..... 27¢**  
**C12575—Female chassis connector with riveting plate. Single 5/8" hole mtg.**  
**Your Cost Each..... 32¢**

## High Quality Floor Stands



Adjustable smoothly and noiselessly, and provided with wear-ever, sure-grip automatic friction clutch locks for firmly locking the stand at any height. The hardened fibre bushing in the clutch is practically indestructible. Has tubing of heavy gauge metal, triple chrome plated. Has 5/8"-27 thread to fit standard mikes. Ex-

tends from 35" to 68". Has 10" dia. base with gray crinkle finish. Shpg. wt. 19 lbs.  
**C13647—Each..... \$4.45**



## Lecturer's Microphone Neckstand

For lecturers, demonstrators, teachers, etc. Fits comfortably around the neck and leaves hands free. Always perfect reproduction no matter which way the lecturer faces. Fits any mike. Weighs only 12 oz. 5/8"-27 thread on flexible gooseneck. Shpg. wt. 2 lbs.  
**C13451—Each..... \$1.95**

## Banquet Stand Two-Tone Model.



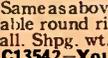
Heavy brass chromed tubing; black wrinkle finished base, 5 1/2" diam., with rubber bumpers. Has 5/8"x27 thread to fit all standard microphones. 8 1/2" high. Less mike. Wt. 4 lbs.  
**C13583—Your Cost..... \$1.25**

## Carbon Mike Stand



Has 5 1/2" octagonal ring. 8 springs supplied. Overall height 9". Removable ring. Black enamel wrinkle finish.  
**C13540—Wt. 4 lbs.**  
**Your Cost..... \$1.47**

## DeLuxe Banquet Stand



Same as above, but with 6" removable round ring. Height 13" overall. Shpg. wt. 5 lbs.  
**C13542—Your Cost..... \$2.18**

## Microphone Springs



Made of fine tempered steel.  
**C13402—Set of 8..... 17¢**  
**Your Cost..... 17¢**

## AMERICAN Carbon Hand Microphones



**Model SB:** Sensitive single button carbon mike on handle for easy hand operation. Operates in any position. Black crackle finish. Resistance 200 ohms. Shpg. wt. 3 lbs.  
**C13381—\$3.23 Each**

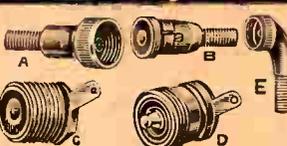
**Model SB2:** Sensitive single button hand mike with slideswitch in handle. Chrome finish. Has convenient hanger on mike casing. Resistance 200 ohms. With cable. Shpg. wt. 3 lbs.  
**C13384—\$6.47 Each**

## TRUATEST Two-Button Carbon Mike



High quality 2-button carbon mike. Range: 45-7000 c.p.s. Heavy chrome plated frame. Pure 24 k. gold contacts. Duraluminum diaphragm. 3" diam. 2" deep. With rings. Shpg. wt. 3 lbs.  
**C13420—Your Cost..... \$4.35**

## AMPHENO Connectors and Plugs



## Single Contact Mike Connectors

Pressure type compact connectors for use with single conductor microphone cable—utilize shell for second contact. Contact is made when center soldered connections are pressed together by tightening coupling ring. Plated metal shells. Insulation is special tissue base laminated bakelite. Cable shield easily grounded through shell by soldering to cable protector. Accommodate cables up to 1/4" in diameter.

**Type MC1F—Female cord connector. (A).**  
**C13359—Each..... 29¢**

**Type PC1M—Male chassis connector. Same as MC1M, but for chassis mtg. (C).**  
**C13361—Each..... 18¢**

**Type MC1F-A—Right angle female cord connector with spring cord protector. Use with PC1M, SP-PC1M or CL-PC1M.**  
**C13277—(E)—Each..... 35¢**

**Type MC1M—Male cord connector. (B).**  
**C13360—Each..... 24¢**

**Type SP-PC1M—Same as PC1M but with center contact floating on a heavy coil spring. (D).**  
**C13385—Each..... 24¢**

**Type CL-PC1M—Closed circuit chassis connector. Closes circuit automatically when mike is disconnected. (D).**  
**C13268—Each..... 24¢**

## Phone Plug Adapter



Makes a standard phone plug out of the MC1F cable connector. No soldering or wiring required.  
**C13388—MC1P**  
**Your Cost..... 26¢**

## Microphone Switch



Attaches between male and female of any of the above connectors. Push-to-talk or side switch for permanent connection.  
**C13357—MC1S**  
**Your Cost..... 59¢**

## "Grip-To-Talk" Desk Stand



Has built-in switch to operate relay for "break-in" operation. Fits all Astatic mikes with 3-prong connectors. 8 1/2" upright. Telephone black base. Fine for X'mtrs. or P.A. systems. Shpg. wt. 3 lbs.  
**C13373—Your Cost..... \$5.88**

## Carbon Granules

Extra fine quality—not adulterated. Contains sufficient granules to refill one two-button mike.  
**C13481—Each..... 29¢**

**Mike Cable Clip**  
 Nickel plated brass. Holds cable close to stand.  
**C11661—Each..... 9¢**

## SHURE Stand Switches

**Type A80B:** (top) For any mike. Standard 5/8"-27 thread. Unwired. Shpg. wt. 1 lb.  
**C13639—Each..... \$1.47**

**Type A83A:** (below) For Shure cable connector mikes. No wiring required. Shpg. wt. 1 lb.  
**C13594—Each..... \$2.35**

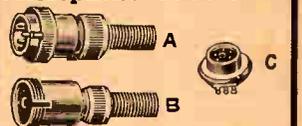
## ICA Shielded 3 Way Microphone Plug

Barrel is made of nickel plated brass. Fully insulated bushing.  
**C13519—5 For \$4.10. Each 91¢**  
 As above but with bakelite barrel.  
**C13521—5 For \$2.93**  
**Your Cost..... 65¢**

## ICA Shielded 3 Way Jack

Phosphor bronze spring jack. Nickel plated brass shell.  
**C13520—Your Cost..... 88¢**  
**C13522—Jack, less shell. 44¢**  
**Your Cost..... 44¢**

## Shielded Locking Type Microphone Connectors



**MC series.** With polarized shells. Can be used on 5/8"-27 stands. Locking ring on male, and cable clamps on both, with spring cord protector. Interchangeable bakelite elements. Coupled, 2 3/4"x7".

**3-Contact Connectors**  
**C13489—Male (A) } 59¢ Ea.**  
**C13490—Female (B) }**  
**C13396—Female chassis type (C). For 1 1/2" hole.**  
**Your Cost Each..... 29¢**

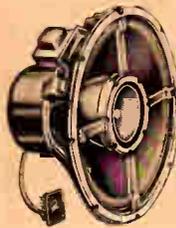
**4-Contact Connectors**  
**C13488—Male (A) } 65¢ Ea.**  
**C13499—Female (B) }**  
**C13397—Female chassis type (C). For 1 1/2" hole.**  
**Your Cost Each..... 32¢**

**Special Chassis Type**  
 Female for panels up to 3/4". Male, with ring, for panels up to 3/8" thick Recessed contacts.  
**C13307—3pr. Female } 59¢**  
**C13308—3pr. Male }**  
**C13309—4pr. Female } 65¢ Ea.**  
**C13310—4pr. Male }**



# Jensen SPEAKERS

## JENSEN Type "J" Coaxial Hi-Fi Speakers



Efficient dual speaker assemblies with cone type "tweeter" mounted in the cone assembly of the "woofer". Provide true high-fidelity response, and are ideally suited for FM and fine AM receivers, for broadcast and recording monitoring, etc. The 15" models incorporate a built-in two channel network providing high and low-pass channels with attenuation of 10-12 db per octave; also furnished with four-position High Frequency Control Switch on a 36" cable, ("roll-off" control of high range). 12" model has simple bridging type network that affords good wide-range performance; no range control switch with this model. These units can be used with "CA" or "BR" enclosures listed below.

### Model JAP-60. 15" Speaker

Professional type for FM-AM broadcast monitoring, transcription playback, reference standard for laboratories, etc. Range 50 to 12000-15000 c.p.s. Efficiency 3 db higher than other 15" models. Input impedance 500 ohms. Max. input 14-15 watts. Integral two-channel network. With 4-position H.F. control. **\$41.16**  
C19007—Shpg. wt. 24 lbs. **Your Cost**

### Model JHP-52. 15" Speaker

For all general applications such as FM and AM receivers, fine phonographs, broadcast and recording monitoring, etc. Range 50 to 12000-15000 c.p.s. Maximum input 12-14 watts. Input impedance 500 ohms. Integral 2-channel network. With 4-position H.F. control. Shpg. wt. 23 lbs. **\$29.11**  
C19002—Your Cost

### Model JCP-40. 12" Speaker

Excellent modernizing unit to replace 12" speakers in radios and phonograph combinations. Range 50 to 10000-12000 c.p.s. Max. input 8-10 watts. Input impedance 6 ohms. Has simplified bridging type network (no H.F. control) **\$17.35**  
C19008—Shpg. wt. 16 lbs. **Your Cost**

## JENSEN "CA" Bass Reflex Enclosures



Handsomely designed and finished. Constructed throughout of genuine striped walnut. Excellent for Jensen coaxial speakers above, or for high-fidelity radio, phono or Public Address installations. Styled to go with practically any surrounding. Incorporate Bass Reflex principle. **Model CA-12:** For 12" speakers. Size: 27 3/4" wide, 31 1/2" high, 12" deep. Shpg. wt. 47 lbs. **C18945—\$27.10**  
**Your Cost**  
**Model CA-15:** For 15" speakers. Size: 27 3/4" wide, 31 1/2" high, 14" deep. Shpg. wt. 57 lbs. **C18946—\$31.90**  
**Your Cost**

## JENSEN Model BR Peri-Dynamic Enclosures With Bass Reflex



Improved speaker housings providing finer reproduction than that offered by "Infinite" baffles. Incorporate both "Peri-Dynamic" and "Bass Reflex" features, insuring crisp, clear reproduction of all notes. Made solidly of 1/2" plywood. Finished in double coat of rich brown lacquer. **Shipped knocked down**, all hardware furnished.

Stock No.	Speakers	Dimensions H. W. D.	Wt. Lbs.	Your Cost
C18994	8"	24 x 17 1/2 x 11 1/4"	35	\$11.12
C18995	10"	28 x 21 x 12 1/4"	38	13.82
C18996	12"	30 3/4 x 23 3/4 x 12 3/4"	47	15.58
C18998	15"	33 3/4 x 25 x 13 3/4"	60	18.23

## JENSEN MT-8-C High-Fidelity Reproducer

Comprises a high quality 8" PM speaker housed in a BR enclosure (as shown above). Handles 6 watts continuously. Recommended for all applications where substantially flat response is required from about 50 to 10,000 c.p.s. Ideal for broadcast work, auditoriums, for fine radio receivers, etc. Voice coil impedance 6 ohms. Enclosure has Bass Reflex feature; constructed of plywood with brown lacquer finish. Size: 17 1/2 x 24 x 11 1/4". For floor or wall mounting (brackets supplied). Shpg. wt. 40 lbs. **\$20.34**  
C18947—Enclosure with 8" PM Speaker. **Your Cost**  
C18948—8" PM Speaker only (PM8CT). **Your Cost** \$7.50  
C18949—8" Dynamic (G8RT). 2500 ohm field. **Your Cost** 6.47

### 9-Watt Model MT-12C

Like the above, but for use where greater power handling capacity is required. Has 12" PM speaker and handles 9 watts continuously. In MT-121 enclosure, 30 3/4 x 23 3/4 x 12 3/4". Shpg. wt. 53 lbs. **\$28.52**  
C19001—Enclosure with 12" PM Speaker **Your Cost Complete**  
C19000—12" PM Speaker only (PM12CT). **Your Cost** \$10.44  
C19006—12" Dynamic (G12RT). 2500 ohm field. **Your Cost** 7.35

### Transformers For Above

C19177—Matches voice coil to 500 ohm line. **Each** \$1.47  
C19181—Universal Line (500/1000/1500/2000 ohms). **Each** 2.44  
C19183—Universal Tube (any tube, single or p.p.). **Each** 2.44

## JENSEN PM & Field Coil Dynamic Concert Speakers

A series of heavy-duty highly efficient speakers for use in all types of radios, phonographs and public address equipment. All are designed so that they may be used in Jensen BASS REFLEX enclosures and cabinets. Field coil models have hum bucking coils. All models less output transformer. A complete listing of suitable transformers will be found below. Frequency response range of all models meets the accepted standard for high fidelity performance.



### Permanent Magnet Types

No.	Model	Size	Watts	V.C.	Shpg. Wt.	Each
C19076	PM8-C	8"	8	6 ohms	4 lbs.	\$ 6.47
C19088	PM10-C	10"	9	6 ohms	5 lbs.	7.94
C19092	PM12-C	12"	10	6 ohms	7 lbs.	9.11
C19071	PM12-H	12"	12	8 ohms	9 lbs.	13.82
C19069	A12-PM	12"	15	8 ohms	16 lbs.	24.11

### Field Coil Types

Stock No.	Model	Size	Cap. In.	Field Watts	V.C. Ohms	Shpg. Imp.	Wt.	Your Cost
C19068	A-12	12"	15	860	8 ohms	18 lbs.	14.70	
C19070	A-12	12"	15	2500	8 ohms	18 lbs.	14.70	
C19072	B12-X	12"	14	1250	8 ohms	16 lbs.	12.05	
C19074	B12-X	12"	14	2500	8 ohms	16 lbs.	12.05	

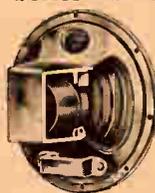
## 8", 10" and 12" Standard Dynamics Models "C"

High quality dynamics ideally suited for radio receivers, P. A. work, etc. Employ heavy field pots, 1 1/2" voice coils and hum bucking coils. VC impedance 8 ohms at 400 c.p.s. 8" models have power capacity of 6 watts, 10" models—8 watts, 12" models—9 watts. All less output transformers. (See listing below).



Stock No.	Model	Field Res.	Shpg. Wt.	Your Cost
C18988	C8-RS (8")	2500 ohms	6 lbs.	\$6.61
C18990	C10-RS (10")	2500 ohms	7 lbs.	\$6.91
C18991	C10-RS (10")	1250 ohms	7 lbs.	\$7.50
C18992	C12-R (12")	2500 ohms	9 lbs.	
C18993	C12-R (12")	1250 ohms	9 lbs.	

## Series "S" Dynamics



Standard Replaceable. All less output transformers (see listing under Series "S" PM), excepting No. C18977 which includes a 4500 ohm transformer to match 43, etc.

No.	Model	Size	Ohms	Each
C18956	H4-S	4"	400	\$1.88
C18957	H4-S	4"	350	1.88
C18958	H5-S	5"	450	1.94
C18978	H5-S	5"	2750	1.94
C18977	H5-S	5"	3000	2.50
C18979	H5-S	5"	6 volt	1.94
C18980	H6-S	6"	2750	\$2.11
C18981	H6-S	6"	1800 tapped at 300	
C18982	H6-S	6"	6 volt	\$2.76
C18983	F8-RS	8"	2500	
C18984	F8-RS	8"	1000	\$4.85
C18959	F8-RS	8"	1500 tapped at 300	
C18985	G10-RS	10"	2500	\$6.00
C18986	G10-RS	10"	1250	
C18928	G12-RS	12"	1250	
C18977	G12-RS	12"	2500	

## Series "S" PM Speakers

Rugged compact speakers. 5", 6" and 8" speaker voice coils are 4 ohms impedance at 400 cycles; 10" and 12" speakers are 6 ohms.



Less output transformer.

Stock No.	Model	Your Cost
C18960	PM4-FS, 4"	\$2.03
C18968	PM5-FS, 5"	2.06
C18969	PM6-FS, 6"	2.59
C18970	PM8-DS, 8"	3.70
C18971	PM10-GS, 10"	5.17
C18972	PM12-GS, 12"	6.47

## Universal Output Transformers For Series "S" Speakers

No.	Type	For	Each
C18973	Line	PM & H 4, 5, 6, 8	85c
C18974	Tube	PM & H 4, 5, 6, 8	85c
C18975	Line	PM DS, FS	\$1.32
C18976	Tube	PMS DS, FS	1.18

**NOTE:** 10" and 12" speakers use transformers listed below.

## Universal Matching Transformers

Match Jensen speakers to any output tubes, single or push-pull, or to universal line (500, 1000, 1500, and 2000 ohms). Shpg. wt. 4 lbs.

No.	Type	For Speakers	Each
C19022	Univ. Line	PM-8C, PM-10C, PM-12C, G12RS, PM12GS	\$1.82
C19023	Univ. Tube	PM-8C, PM-10C, PM-12C, G12RS, PM12GS	\$2.44
C19024	Univ. Line	A12, B12X, PM12H	
C19025	Univ. Tube	A12, B12X, PM12H	\$1.82
C18964	Univ. Line	C8-RS, C10-RS, C12-R, PAH-8, FAB-8	
C18965	Univ. Tube	C8-RS, C10-RS, C12-R, PAH-8, FAB-8	\$1.32
C18966	Univ. Line	PM10-GS, G10-RS	
C18967	Univ. Tube	PM10-GS, G10-RS	1.18

**MILITARY AND INDUSTRIAL SUPPLIERS.** Lafayette Radio Corp., as authorized distributors of Jensen speakers, can supply specially designed speakers manufactured to your individual requirements in reasonable quantities on priority. Send us your specifications for price and delivery information.

# Lafayette Replacement SPEAKERS



## LAFAYETTE PM Speakers

High quality permanent magnet all-purpose speakers. Each matches in sensitivity a comparable field coil type. Have high permeability magnets; one piece seamless cones; plated metal frames. Voice coil impedance 6-8 ohms. All supplied less output transformer.

Stock No.	Diam-eter	V.C. Dia.	Wattage Nor.-Peak	Depth In.	Shpg. Wt.	Your Cost
C19268	3 1/2"	5/8"	2 1/2	4	2 lbs.	\$1.98
C19269	5"	3/4"	3	4 1/2	3 lbs.	2.04
C19270	6"	7/8"	4	5	3 lbs.	2.51
C19271	8"	1"	5	8	4 lbs.	3.04
C19290	10"	1 1/4"	8	10	6 lbs.	4.38
C19272	12"	1 1/2"	9	12	7 lbs.	5.35

### Universal Tube Transformers for Above

C19273—For 3 1/2", 5" and 6" models. Your Cost	65c
C5667—For 8" model. Your Cost	79c
C1535—For 10" and 12" models. Your Cost	\$1.06

Due to present market conditions we are unable to determine at this time future availability of the PM type speakers listed in this catalog. As a satisfactory substitute we suggest the following speakers with "AC excited" type fields.

## LAFAYETTE "A.C.—Excited" Speakers

High quality speakers with fields especially designed for operation from a standard field exciter such as the one listed below. Voice coil impedance of all models is 6-8 ohms. Supplied less transformer and field exciter.



No.	Model	Dia.	Field	Wt.	Each
C18936	AC1012	10"	1950 ohms	7 lbs.	\$3.49
C18935	AC1212	12"	1950 ohms	7 lbs.	4.10
C18900	AC1220	12"	2000 ohms	9 lbs.	5.29
C18934	AC1240	12"	1500 ohms	13 lbs.	6.61
C18933	AC1275	12"	1240 ohms	15 lbs.	10.19

Power capacity, 12" models: 10, 13, 16, 21 watts.

### A. C. Field Exciter

Humless supply, operates from any 110/120 volt, 50/60 cycle AC line. Uses type 117Z6GT rectifier (supplied). Mounts directly on speaker frame. Delivers 14.4 watts into 1000 ohms; 9.2 watts into 2000 ohms; 8 watts into 2500 ohms. Wt. 2 lbs.

C18901—With tube. Your Cost **\$3.45**

## LAFAYETTE Dynamic Auto Speakers



High quality speakers that are exact replacements for over 90% of the units in use today. Feature excellent quality of reproduction and correct design. All have 3 ohm voice coils and 4 ohm fields. Supplies less transformer and mounting bracket; all have pin-jack terminals. One side of field grounded to frame. Models marked



with asterisk, (\*) are also drilled and tapped for 1/4" No. 20 mtg. bolt.

No.	Dia.	Type	Wt.	Each	No.	Dia.	Type	Wt.	Each
C18941	5"	A	3 lbs.	\$1.80	C18938*	7 1/2"	A	6 lbs.	\$3.04
C18940	6 1/4"	A	4 lbs.	2.31	C18937*	7 1/2"	B	6 lbs.	3.04
C18939	7"	B	5 lbs.	2.91					

## LAFAYETTE Dynamic Speakers



3 1/2" - 4"

A quality line of speakers for general replacement purposes. Also good for light public address work. They have a practically flat response, when properly baffled, covering from 100 to 4500 c.p.s. Formed one-piece cones. Models with universal tube matching transformers will match any single or push-pull output tubes. Connection chart included.

### 3 1/2" and 4" Diameter Models

For call systems, hearing aids and midget radios. Less transformer. Shpg. wt. 3 lbs.  
 3 1/2" No. 4" No. Field Each  
 C19279 C19115 450 ohms } \$1.39  
 C19265 C19116 2750 ohms }  
 C19273—Universal tube matching transformer for any of the above models. . . 65c



5" - 6"

### 5" Diameter Models

All less transformers. Average wt. 3 lbs.  
 Stock No. Field Stock No. Field  
 C19261— 6 ohms C19262— 450 ohms  
 C19263—3000 ohms C19264—1800 ohms tapped at 300 ohms. **\$1.39**  
 Your Cost, Each

### Special Transformers for 5" Models

Stock No.	Impedance	For Tubes
C19286	2,000 ohms	25B6, 25L6, etc.
C19287	4,000 ohms	25A6, 43, etc.
C19288	10,000 ohms	41, 6C6G, 6A4-LA

Your Cost Each, **49c**  
 Any Type



6"

### 6" Diameter Models

All equipped with universal tube matching transformers. Average shpg. wt. 4 lbs.  
 Stock No. Field Resistance Each  
 C19122 6 ohms (for auto sets) } \$2.31  
 C19165 1000 ohms }  
 C19109 1800 ohms tapped at 300 }  
 C19166 2500 ohms }

### 8" Diameter Models

All equipped with universal tube matching transformers. Shpg. wt. each 6 lbs.  
 Stock No. Field Resistance Each  
 C19307 1000 ohms } \$3.20  
 C19283 1800 ohms tapped at 300 }  
 C19292 2500 ohms }



10" - 12"

### 10" Diameter Models

All equipped with universal tube matching transformers. Shpg. wt. each 7 lbs.  
 Stock No. Field Resistance Each  
 C19284 1000 ohms } \$4.36  
 C19285 2500 ohms }

### 12" Diameter Models

All equipped with universal tube matching transformers. Shpg. wt. each 9 lbs.  
 Stock No. Field Resistance Each  
 C19294 1000 ohms } \$5.10  
 C19295 2500 ohms }

Small illustration shows cast aluminum alloy baffle and sound deflector plate used in Chandler Baffle.



## KAINER Chandler Baffle For Uniform Coverage



Designed to replace multiple wall speaker installations where desirable. Ideal for Restaurants, Clubs, Cabarets and Dance Halls where the necessity of projecting sound close to the performers is important—recommended only for ceiling heights above 12 ft. Suspended from ceiling with link chain or sash cord—easy to install. Accommodates any heavy duty 12" P.M. speaker. Constructed of spun steel alloy and finished in a beautiful high lustre, baked-on, art enamel. Diam. 32". Height 17". Shpg. wt. 29 lbs.

C20088—Baffle, less Speaker **\$17.64**

## Kainer De Luxe All-Steel Projector

Constructed of heavy spun steel alloy and will accommodate all types of 12" speakers with or without transformers. Rear housing has back pressure release. Overall length, 20"; bell, 17"; flare extension, 11". Screened breather opening. Finished in baked art metal grey. The fixture to which the lower bracket or extension can be attached is welded to the baffle. Fixture is tapped to fit standard 1/2" pipe. Base, which is obtainable separately, has a tilting dog-toothed adjustment, with swivel and lock nut. Shpg. wt. 13 lbs.



C20077—Model J-12 **\$8.82**  
 Your Cost (less base) .....  
 C20078—Bracket with base only. Your Cost **\$1.47**

## LAFAYETTE Fabrikoid Wall Baffles



Efficient enclosed speaker baffles with correctly angled front faces to provide coverage over a wide area. Can also be placed on the floor or stage to direct sound up. (Grille bars on 10" and 12" models, only). **STANDARD:** hardwood with brown featherette covering; **DE LUXE:** selected hardwood veneers with covering of Spanish grain brown leatherette and inner lining of sound-absorbing material which reduces baffle resonance and feedback.



leatherette and inner lining of sound-absorbing material which reduces baffle resonance and feedback.

STANDARD MODELS (Left)					DE LUXE MODELS (Right)				
No.	Speak.	Average Shpg. Wt.	H. W. D.	Each	No.	Speak.	Average Shpg. Wt.	H. W. D.	Each
C20060	6"	8 1/2	7 1/2 x 4 3/4	\$1.45	C20042	8"	10 1/2	9 x 6 1/2	\$1.95
C20063	8"	10 1/2	9 x 6 1/2	1.90	C20055	10"	14	12 x 8 1/2	2.95
C20064	10"	14	12 x 8 1/2	2.20	C20056	12"	15	14 x 10"	3.75
C20066	12"	15	14 x 10"	2.65					

## Universal Outputs



Popular strap mtg. units that practically match any tubes, single or push-pull, to any standard voice coil. Hook up instructions supplied. Three sizes: small for speakers from 3 1/2" to 6"; medium for 6" to 8"; large for 8" to 12".

No.	H. x L. x Wt.	Ctrs.	Each
C19273	1 1/2 x 1 1/2 x 1 1/2	2"	\$0.65
C5667	1 1/2 x 1 1/2 x 1 1/2	2"	.79
C1535	1 1/2 x 2 1/2 x 1 1/2	2 1/2"	1.06

## Walnut Paging Baffle

**8" Model.** A beautifully polished walnut baffle for deluxe paging systems. For any standard 8" P.M. speaker. Frieze grille cloth, 11" high, 10" wide, 6 1/2" deep at top and 3 1/2" deep at bottom. Shpg. wt. 6 lbs. **\$2.75**  
 C21326—Your Cost





# SPEAKER UNITS *and* PROJECTORS

## JENSEN Hypex Projectors

Especially suitable for speech reproduction and commercially acceptable music reproduction. Sturdy steel encased unit, plus reflex horn construction insures dependable operation under all weather conditions. Finished in durable baked two-tone gray lacquer. Increased efficiency in the region above acoustic cut-off.



Type H-20. Horn only. Bell diam. 20 3/4". Dept. 16 3/4". Acoustical length, 4 ft. Nominal acoustic cut-off, 165 cps. Stand coupling flange tapped for 3/4" pipe thread. Shpg. wt. 18 1/2 lbs.

**C18926—Your Cost..... \$16.76**

Type H24. Horn only. Bell diam., 24 3/4". Depth, 20 1/4". Acoustical length, 5 ft. Nominal acoustic cut-off, 140 cps. Shpg. wt. 21 3/4 lbs.

**C18927—Your Cost..... \$20.58**

### Stands and Supports

Adjustable Stand. Sturdy cast fitting with three-leg base, for mounting projector on wall or other surface. Horizontal and vertical adjustment.

**C18924—Your Cost..... \$2.94**

Adjustable Support. Provides adjustment when projector is mounted on pipe mast. 3/4" pipe thread on both ends.

**C18925—Your Cost..... \$2.20**

## Jensen Type "U" Annular Driver Units

U-20, PM type. Rated at 15 W. average, 25 W. max. Normal voice or music input. 16 ohm V.C. Diam. 6 1/4". Depth 3 3/4". Wt. 11 lbs.

**C18919—Your Cost..... \$21.17**

UF-20—Field Coil type, 1250 ohms. Normal excitation, 10 W. from Field Supply. Shpg. wt. 12 lbs.

**C18920—Your Cost..... \$21.17**

Same as above, but for 6-Volt (1.6 amp.) battery.

**C18921—Your Cost..... \$21.17**

Fixed Impedance Transformers, encased in metal cans; will not mount directly on speaker.

**C18922—500 to 16 ohms. Core size, 1/2"x1/2". Each \$2.94**

**C18923—500 to 8 or 16 ohms. 1 1/4"x1 1/4". Each \$7.64**

## JENSEN S-81 Peri-Dynamic Projector

All steel. Speaker enclosure is sealed to the bulkhead with a neoprene gasket. Entirely weatherproof. Length overall 30", bell dia. 21 1/2". Shpg. wt. 23 lbs. **Less Stand.**

**C19045—Your Cost..... \$23.52**

**PAH-8 PM SPEAKER:** Handles 15 to 25 watts. Has heavy magnet, 7" diaphragm and 1 1/4" voice coil. Range 110 to 5500 c.p.s. Especially fine middle register. **Less transformer.** Shpg. wt. 8 lbs.

**C19050—Your Cost..... \$11.76**

**FAB-8 DYNAMIC SPEAKER:** Like above, but field coil type. Field resistance 1250 ohms. Requires 10 watts excitation.

**Less transformer.** Shpg. wt. 10 lbs. **C18931—Each \$11.76**

**Projector with PM Speaker.** Less stand. **SPH-81.**

**C19004—Shpg. wt. 30 lbs. Your Cost..... \$36.75**

**Projector with Dynamic Speaker.** **SFB-81.**

**C18932—Less Stand. Wt. 32 lbs. Your Cost..... \$36.75**

**C19005—EA-5 Stand only. Adjustable. Wt. 6 lbs. Each..... \$2.94**

**C19041—Waterproof cover for proj. bell (ST-570). Each..... \$1.18**

## JENSEN "Speech-Master"



**AP-10:** Desk type P M speaker employs Peridynamic principle. For desk or wall mtg. Has "tilt" adjustment and sturdy base. Dust-proof, fully enclosed. Internal bracket for 1/2" x 1/2" transformer. Ht. 6 3/4"; dia. 5". d. 5". With 36" cord. Gray finish, satin chrome trim. **4 ohm voice coil.** Wt. 6 lbs.

**C18929—Each..... \$6.44**

**AP-11:** As above, less base and swivel bracket. Mounts in 4 3/4" cutout. Wt. 4 lbs.

**C18930—Each..... \$5.23**

## ECONOMY All-Steel Parabolic Baffle



A fine unit at an unusually low price. Highly efficient. Bell is 11" long and has extreme diameter of 17". Speaker housing will take any 12" speaker, with transformer. Overall length 20". Finished in gray wrinkle lacquer. With hardware and gasket. **Less mounting bracket.** Shpg. wt. 9 lbs.

**C20054—Each..... \$7.45**

**Mounting Bracket** for above.

**C20078—Your Cost..... \$1.47**

**Waterproof Cover** for baffles.

**C20087—Each..... 77c**

## CINAUDAGRAPH "Mallard" 6" PM Speaker

Designed originally to meet U. S. Navy specifications for marine units. Entirely waterproof. 6 watts normal, 10 watts peak. Ideal for all outdoor installations. Rugged, yet fine frequency range. Overall finish is moisture-imperious paint. 6-8 ohms. V.C. diameter, 1 inch. Supplied less transformer. (See listing on page 20.) Shpg. wt. 3 1/2 lbs.

**C19408—Your Cost..... \$8.53**

## UNIVERSITY Reflex Projectors

### With "Rubber Tire" Rims

High efficiency exponential air column type projectors with heavy-gauge all-metal spun horns. Ultra compact and easy to install. Incorporate design features that insure superior acoustic results. Non-resonant rubber rims with each unit. Easily handle 25 watts of audio power. All furnished complete with universal "U" type mounting bracket. Finished in battleship grey. All are 100% waterproof—suitable for outdoor use. **Less driver units** (listed below).



Stock No.	Model	Bell Dia.	Length In.	C.P.S. Cutoff	Shpg. Wt.	Your Cost
C20049	PH*	21"	16"	140	9 lbs.	\$14.26
C20047	LH**	25"	21"	115	12 lbs.	23.08

\*—Acoustic length 42"; \*\*—acoustic length 54"

## UNIVERSITY "Baby Bull" Projector



A dual-driver 50-watt unit ideal for air raid alarm systems and other National Defense work. Super-power covers long distances and overcomes high background noise. Dual acoustic assembly protected by dust cover (use drivers listed below). Overall length 27"; bell dia. 31". With universal type "U" bracket. Heavy metal. Shpg. wt. 25 lbs.

**C24018—Less both driver units. \$38.07**

**Your Cost.....**

## UNIVERSITY Driver Units

Built to the highest standards of electrical and mechanical tolerances. All employ **Alnico** magnets to insure peak efficiency. Other features include: rim centering for perfect alignment and greater efficiency; breakdown proof diaphragm suspension; heat dissipating voice coil; sealed diaphragm construction makes the balance of the unit waterproof. All have standard thread to fit all standard projectors.



Stock No.	Model	Cap. Watts	V.C. Imped.	Range C.P.S.	Shpg. Wt.	Your Cost
C21303	MD8	12	8 ohms		4 lbs.	\$12.94
C21301	SAH	25	15 ohms	70-5000	6 lbs.	19.40
C21302*	PAH	25	15 ohms	60-5500	12 lbs.	31.16

\*—Heavy duty model; relative acoustic output 93.

## UNIVERSITY IB-8 "Booster" Speaker



Compact intercommunicator "booster" speaker having extremely high projecting power due to very high reflex efficiency. Clear sound output overcomes industrial factory background noises. "Booster" effect of speaker gives same results as added "booster" amplifiers. Impedance 8 ohms; power capacity 12 watts. Bell 7 1/2" dia., depth 7 1/2". With mtg. bracket and rubber rim. Shpg. wt. 4 lbs.

**C19348—Your Cost..... \$15.52**

above, that has a power capacity of 20-watts. Voice coil impedance 8 ohms. Bell 11" dia.; depth 8". Shpg. wt. 8 lbs.

**C24015—Your Cost..... \$24.70**

## UNIVERSITY 360° Radial Projectors

"Infinite Baffle" sealed acoustic chamber is responsible for the added bass response afforded; cone is properly loaded. Give uniform coverage in all horizontal directions (360°). Easily mounted; single point suspension. Projection angle is about 15° down for most effective sound placement. Other features: All Metal weatherproof construction; "rubber tire" rims; "floating rubber" cone mounting; back pressure "breathers."



No.	Model	Cone	Diam.	Height	Weight	Each
C24016	RBP8	8"	17"	8"	15 lbs.	\$11.52
C24017	RBP12	12"	26"	10"	27 lbs.	17.29

## Car-Top Horn Carrier



Consists of a waterproof varnished plywood flat form with sturdy angle irons secured to four suction cups. Doubly secured by straps that anchor to the drip rail over the doors. For all steel cartops or for steel tops with fabric center up to 41 1/2" wide. Easy to instal. 6x 46 1/2". Shpg. wt. 8 lbs.

**C20085—Your Cost..... \$4.31**

As above, but 8" wide.

**C20028—Your Cost..... \$4.63**

## Collapsible Floor Stand For Parabolic Baffles



Telescoping sections are of seamless steel tubing. Clutch permits quick and simple adjustment from 46" to 78". Black enamel finish. Rubber-tipped legs. Shpg. wt. 15 lbs.

**C20059—Stand Only. Each..... \$7.35**

# CARRON SPEAKER REPLACEMENTS



## CARRON EXACT DUPLICATE REPLACEMENT SPEAKER CONES

Seamless one piece cones that duplicate the original units. Feature enduring, non-resonant quality. Voice coils are accurately wound and firmly attached to cones and are also exact duplicates of the originals. Only Popular numbers are listed below; we can supply on order any cone not shown below—give make and model of receiver, or send in your old cone with voice coil and spider attached.

Stock No.	Carron No.	Model No.
<b>4" Speaker Cones</b>		
C19365	1623	Belmont 510
C19563	1562	Emerson AX211, 4X5-324
C19606	1564	Emerson CT275, 6J5, 368U
C19366	1553	Gen. Elec. H508
C19372	1555	Oxford (Fada 105-134B, RCA 9TX3)
C19367	1528	Quam-Nichols (paper Spider)
C19368	1614	Utah 4A100
C19369	1616	Utah 4A106A
C19370	1619	Zenith 49AC385
C19371	1620	Zenith 49U334
<b>Your Cost, Each</b> ..... <b>59¢</b>		

<b>5" Speaker Cones</b>		
C19411	1417	Airline 62-475, Arvin 18
C19553	1450	Airline 62-518, Crosley A157
C19437	1415	Airline 62-236, Belmont 666
C19438	1473	Airline 62-274, Belmont 425
C19439	1322	Ariston A (Detroit 140)
C19440	1286	Belmont 580, Emerson 250W
C19441	1626	Chevrolet 985538 (Spkr. 41045)
C19442	1491	Chevrolet 985425
C19443	1634	Chevrolet 985538 (Spkr. 42391)
C19444	1503	Chevrolet 985426
C19445	1373	Crosley 516
C19446	1589	Crosley 719E, C-648-A
C19448	1369	Delco 631A, 640, Crosley 515
C19543	1489	Emerson A130, A132, A148, 149
C19449	1319	Emerson 107, 111
C19454	1505	Emerson BA199, BA201, BM-215

C19462	1584	Emerson D-L-330
C19578	1043	Jensen T3 (Crosley 175, 343)
C19463	1507	Jensen PM5DS, H5S
C19464	1353	Oxford 5A (Detroit 4F, 4J, etc.)
C19465	1198	Quam-Nichols (Aetna 4154W)
C19466	1387	Quam-Nichols (Air King 260)
<b>Your Cost, Each</b> ..... <b>73¢</b>		

<b>6" Speaker Cones</b>		
C19525	1020	Admiral 5X, 6M, 6B, 6A, 5A
C19558	1204	Airline 62-177, 62-173, Arvin 20A
C19467	1325	Bosch 505, 430J, 430
C19468	1590	Cadillac C-8-53, 52, 56
C19513	1211	Crosley 159, 634, 656, 716
C19697	1379	G. E. A53, E62, A63, U70
C19469	1627	Jensen G6RS
C19470	1600	Jensen PM6C, G6R
C19607	1571	Jensen PM6GS
C19576	1285	Jensen F6R (Belmont 777)
C19471	1606	Motorola 28D
C19640	1081	Rola F5
C19472	1281	Rola DP5B (Colonial R11553)
C19473	1581	Utah 6B103
<b>Your Cost, Each</b> ..... <b>88¢</b>		

<b>7" Speaker Cones</b>		
C19474	1583	Chevrolet 985-536
C19626	1067	Majestic G10B, G10C, 151
C19475	1604	Motorola 500, 29B, 258
C19476	1643	Motorola 450—Spkr. No. 50B-20198
C19484	1605	Motorola 400-Spkr. No. 50B-18005
C19648	1083	Rola F6, F8
C19504	1617	Zenith 49AB341
<b>Your Cost, Each</b> ..... <b>\$1.03</b>		

<b>8" Speaker Cones</b>		
C19689	1347	Chevrolet 985301 (Rola)
C19548	1254	Grunow 650, 651, 661, 8A4
C19612	1411	Jensen G8R, PM8C
C19506	1200	Magnavox 154D, 48C, 158
C19508	1414	Stewart Warner R10, 102A
<b>Your Cost, Each</b> ..... <b>\$1.32</b>		

<b>10" Speaker Cones</b>		
C19501	1000	Atwater-Kent No. 15142, 55
C19782	1001	Atwater-Kent No. 14374
C19507	1367	At-Kent No. 26213-711, 112
C19532	1060	Majestic G3, 90, 91, 101
<b>Your Cost, Each</b> ..... <b>\$1.32</b>		

<b>12" Speaker Cones</b>		
C19509	1256	Grunow 901, 902, 1101, 15
C19510	1035	Jensen D7, D8 (1 1/4")
C19512	1603	Jensen PM12GS
C19701	1384	Jensen PM12C
C19613	1474	Jensen PM12B

Stock No.	Carron No.	Model No.
<b>12" Speaker Cones—Continued</b>		
C19641	1366	Jensen A12
C19615	1316	Magnavox 132, 162 (Zenith 862)
C19514	1390	Magnavox 302
C19533	1062	Majestic G5, 131, 132
C19518	1611	Oxford 12AMP, 12MS1, 12MS2
C19588	1315	Rola G12
C19520	1642	Utah 12PG17A, 12J43-B
C19521	1664	Utah G-12-P, 12PH15-C
C19522	1483	Utah GT13, F12P
C19523	1457	Utah 1220, CU29
C19527	1316	Zenith 862, 1162, 811, 812
C19574	1099	Zenith Pt. No. 49-27, 50, 52, 70
<b>Your Cost, Each</b> ..... <b>\$1.70</b>		

### For Philco Sets

<b>4" Speaker Cones</b>		
C19534	1542	TH-4 (Pt. No. 36-1469)
C19538	1587	TP4, TP12, PT25
<b>Your Cost, Each</b> ..... <b>53¢</b>		

<b>5" Speaker Cones</b>		
C19682	1244	54, 57 (Pt. No. 36-3029)
C19552	1203	5, 5T (Auto) (Pt. No. 02861)
C19703	1343	FT9 (Ford) 816 (Pt. No. 36-3526)
C19543	1489	38-12, Runs 1-5 (Pt. No. 36-3981)
C19515	1529	38-12, Run 6 (Pt. No. 45-1344)
<b>Your Cost, Each</b> ..... <b>59¢</b>		

<b>6" Speaker Cones</b>		
C19549	1500	C1608 (Chrysler)
C19550	1455	F1540 (Ford), (Pt. No. 45-2608)
<b>Your Cost, Each</b> ..... <b>59¢</b>		

<b>7" Speaker Cones</b>		
C19516	1557	1708, F194D
C19681	1246	34B, L (Pt. No. 36-3157)
C19528	1467	37-38B, F (Pt. No. 36-3546)
C19711	1245	6, 7, 8, 9, 10 (Pt. No. 36-3159)
<b>Your Cost, Each</b> ..... <b>59¢</b>		

<b>8" Speaker Cones</b>		
C19547	1079	20, 21 (Pt. No. 02625)
<b>Your Cost</b> ..... <b>73¢</b>		

<b>10" Speaker Cones</b>		
C19529	1248	16B, 14LZX (Pt. No. 02625)
C19400	1078	87, 40, 41, 65 (Pt. No. 36-3170)
<b>Your Cost, Each</b> ..... <b>82¢</b>		

<b>12" Speaker Cones</b>		
C19551	1539	39-40, 39-45 (Pt. No. 36-4089)
<b>Your Cost</b> ..... <b>\$1.32</b>		

### For RCA Sets

<b>5" Speaker Cones</b>		
C19406	1236	R28, 300, 301, 100 (Pt. No. 8987)
C19554	1091	M34, M105 (Pt. No. 9023)
<b>Your Cost, Each</b> ..... <b>59¢</b>		

<b>6" Speaker Cones</b>		
C19410	1225	R37, R38, R38P (Pt. No. 9428)
<b>Your Cost</b> ..... <b>59¢</b>		

<b>9" Speaker Cones</b>		
C19405	1124	R32, 52, RE45, E35 (Pt. No. 10801)
<b>Your Cost</b> ..... <b>\$1.03</b>		

<b>10" Speaker Cones</b>		
C19403	1088	34, 35, 39, 50, 80, RE20 (Pt. No. 8558)
<b>Your Cost</b> ..... <b>\$1.18</b>		

<b>12" Speaker Cones</b>		
C19556	1517	910KG, 911K (Pt. No. 31275)
<b>Your Cost</b> ..... <b>\$1.18</b>		

## SPEAKER REPAIR SERVICE

Send in your old speaker for reconditioning. Our speaker engineers will replace entire cone with a new one-piece genuine CARRON seamless cone, align voice coil and eliminate dust particles and other causes of noisy reproduction. Your speaker will be put in excellent condition. Approximate cost of repairs as follows:

4" to 6" speakers	\$1.40
7" to 9" speakers	2.25
10" to 12" speakers	2.70
13" and over, not to exceed	3.50

## UNIVERSAL FIELD COILS

Permit servicing many speakers for which no exact duplicate is available. Have two resistance ranges, one with windings in series, other in parallel. All supplied with spacing washers, tubes and directions for installation. Select coil with outside diameter as close to original as possible. 3/8" smaller OD is limit for safe operation.



Type	Pole Piece	Dimensions		Coil Length
		Coil Min.-Max.	Coil Out. Dia.	
A	1"	1 1/4"	2 1/2"	1 3/8"-1 1/2"
B	1 1/8"	1 1/8"	2 1/2"	1 3/8"-1 1/2"
C	1 1/8"	1 1/8"	2 1/2"	1 3/8"-1 1/2"
D	1 1/8"	1 1/8"	2 1/2"	1 3/8"-1 1/2"
E	1 1/8"	1 1/8"	2 1/2"	1 3/8"-1 1/2"

Stock No.	Type (See Above)	Parallel Resistance	Series Resistance
C19750	A	375-460	1500-1800
C19751	A	560-690	2250-2750
C19752	A	675-825	2700-3300
C19753	A	900-1100	2600-4400
C19754	A	1125-1375	4500-5500
C19755	B	375-460	1500-1800
C19756	B	560-690	2250-2750
C19757	B	675-825	2700-3300
C19758	B	900-1100	3600-4400
C19759	B	1125-1375	4500-5500
C19760	C	375-460	1500-1800
C19761	C	560-690	2250-2750
C19762	C	675-825	2700-3300
C19763	C	900-1100	3600-4400
C19764	C	1125-1375	4500-5500
C19765	D	375-460	1500-1800
C19766	D	560-690	2250-2750
C19767	D	675-825	2700-3300
C19768	D	900-1100	2600-4400
C19769	D	1125-1375	4500-5500
C19770	E	375-460	1500-1800
C19771	E	560-690	2250-2750
C19772	E	675-825	2700-3300
C19773	E	900-1100	3600-4400
C19774	E	1125-1375	4500-5500

ANY COIL ABOVE  
Your Cost, Each..... **\$2.00**

### Midget Speaker Field Coils

Fit most midget 5" and 6" speakers. Impregnated. Approx. size: 1 1/2" x 3/4" x 3/8" hole.  
C19477—1000 ohms **55¢**  
C19478—1500 ohms **55¢**  
C19479—2500 ohms **55¢**  
C19480—3000 ohms **55¢**



### Replacement Field Coils

We can supply any standard or special field coil on order. Please submit all necessary information, or send sample.

### Cone Centering Shims

Flexible celluloid shims that will last. Sixteen shims in a handy leatherette folder. Contains four each of the following sizes: .0125", .010", .0075" and .005". Take care of all speakers.

C19649—Your Cost, Kit of 16..... **35¢**

### Cement Kit

An efficient radio repair cement kit for speaker cones; voice coils, r.f. coils and chokes. One bottle of all purpose cement, and one bottle of thinner. Complete with brush.  
C19499—Your Cost..... **36¢**



### 3/4" Celotex Speaker Baffles

Fine grade, 3/4" thick. Five sizes supplied; specify hole size desired when ordering. Shpg. wt. 2 lbs. per sq. ft.

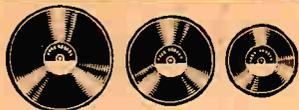
No.	Size	Hole	Each
C19714	12x12"	5, 7 or 9"	\$0.35
C19715	18x18"	7 or 9"	.70
C19716	24x24"	7 or 9"	1.10
C19717	36x36"	9 or 12"	2.15
C19718	48x48"	None	4.50

### Speaker Grille Cloth

Handsome frieze, 50" wide, cut to your specified length.  
C20949—Per Yard, Your Cost..... **\$1.15**



# RECORDING BLANKS • CARTRIDGES



## Wilcox-Gay Recordio Discs

Lightweight, flexible discs for use with home recorders. **Non-inflammable.** Excellent recording quality. Coated both sides. Each has label each side.

- C11979—SIX 6½" Discs.....60c
- C11980—SIX 8" Discs.....\$1.00

## Gould-Moody Glass Base Discs

Professional quality blanks having a perfectly uniform coating of highest grade cellulose nitrate on smooth glass base. Mirror-like surface will permit recording with utmost fidelity and lowest noise level to produce professional results.

- C11986—10" size.....73c
- C11987—12" size.....31c

## AUDIODISCS

### "RED LABEL" Glass Base

Faultlessly coated and carefully selected to the highest standards of quality. Primarily for professional use. "Acetate" coated on thin, flexible glass. Double-sided with 3 drive pin holes. For all applications requiring the ultimate in disc perfection.

- C11994—10". Each.....\$1.00
- C11995—12". Each.....1.25
- C11996—16". Each.....2.50

### "YELLOW LABEL" Glass Base

"Acetate" coated on thin flexible glass. Intended primarily for amateur, school or home use. Doubled sided. Labeled.

- C11997—10". Each.....\$0.80
- C11998—12". Each.....1.00
- C11999—16". Each.....2.00

## RECORDISC Recording Blanks

The Yellow Label and Green Label Discs listed below are coated with a slow-burning compound which is approved by the Underwriters Laboratories. For all practical purposes this coating is substantially equal to Cellulose nitrate coating, and for home recording is more than adequate. Shavings are NON-INFLAMMABLE.

### Green Label

Newly developed fibrous thermoplastic base to replace steel. Thicker than steel or bond base discs, they will not warp or bend. Overall thickness .078", with .005" coating of slow burning compound on both sides. Average 200 plays on each side with low noise level.

- C11972—6½".....17c
- C11973—8".....23c
- C11974—10".....33c

### Yellow Label

Paper composition base especially selected for uniformity and flatness. Coated on both sides with slow-burning surface compound.

- C11969—SIX 6½" Discs.....\$0.50
- C11970—SIX 8" Discs......80
- C11971—SIX 10" Discs.....1.20

### Blue Label

These blanks have the same type thermoplastic base as the Green Label discs, but are coated with a mirror-like professional cellulose-nitrate compound. Will record with lower noise level and greater brilliancy. Coating .005" on both sides. Overall thickness .078". Shavings are inflammable.

- C11982—6½".....20c
- C11983—8".....27c
- C11984—10".....40c

## Books on Recording Technique

The following worth-while books on recording techniques are listed on page 78. How to Make Good Recordings.

- C19991—Your Cost.....90c
- Techniques of Recording—Goldsmith & Geisel. C20268—75c

## PRESTO

### "GREEN LABEL" Glass Base

Finest grade of recording blank made by Presto. Smooth surface and minimum surface noise. Consists of a heavy base of plate glass and coated by a special compound used exclusively by Presto. Used by research laboratories to demonstrate the capabilities of recording equipment. Standard recording blank for a majority of the larger broadcasting stations and recording studios. Overall thickness .104".

- C11991—10".....\$1.00
- C11992—12".....1.25
- C11993—16".....2.50

We have listed the most popular types of recording discs available today. Where possible, complete stocks are maintained to insure speedy delivery. We can Supply All Presto and Audio Discs. Write for our quantity discounts to schools, studios, institutions, etc.

### Gummed Record Labels

Neatly printed. Have spaces for title, date and name of recorder. Fit all discs; adhere firmly. C431—Package of 50. 25c

### Stroboscopic Speed Checker

Placed on turntable and illuminated with a bulb (AC) indicates correct speed at 78 or 33½ r.p.m. C197—Each.....7c



### "Brush-Off"

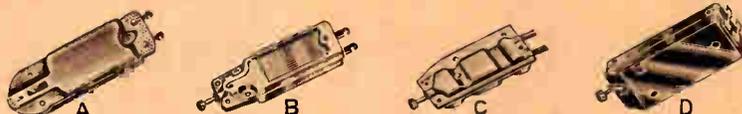
Automatic shavings sweeper for all types of recorders. Keeps shavings from needle. Wt. 2 lbs. C446—Each.....98c

### GREEN FLYER Automatic Stops

For any Green Flyer motor with 8", 9" or 10" turntable. C135—Each.....72c



## CRYSTAL PICKUP REPLACEMENT CARTRIDGES



A comprehensive lineup of replacement cartridges for all standard makes of crystal pickups as recommended by the manufacturers. Each and every cartridge is precision made and individually tested for rated frequency response and output voltage. **New cartridges can be obtained only if you return your old cartridge for which we will allow you 20c.** Your cooperation is not only necessary in order to obtain another cartridge but helpful to the war effort.

### For Lightweight Pickups

Stock No.	Make	Model Type	Description	Size	Pressure	Output	Each
C13963	Astatic	LP-6	A *Flat 2-hole mount	2 1/4 x 3/4"	1-oz.	.85V	\$4.70
C13964	Astatic	LP-21	A *Flat 2-hole mount	2 1/4 x 3/4"	1-oz.	.85V	4.70
C13965	Astatic	L-40	B Flat 2-hole mount	2 1/4 x 3/4"	1 1/2-oz.	.6V	2.35
C13966	Webster	N3	B Flat 2-hole mount	2 1/4 x 3/4"	1 1/2-oz.	.7V	2.35
C13968	Shure	W42A	B Flat 2-hole mount	2 1/4 x 3/4"	1-oz.	1.4V	2.35
C13970	Webster	W4	D Side hole mount	2 1/4 x 5/8"	1 1/2-oz.	.7V	2.85
C13971	Webster	W5	D *Side hole mount	2 1/4 x 5/8"	1 1/2-oz.	.7V	3.53

### For Standard Pickups

Stock No.	Make	Model Type	Description	Size	Pressure	Output	Each
C13407	Astatic	B-1	D Lugs—bakelite case	2 1/4 x 5/8"	2 3/4-oz.	2.5V	2.94
C13406	Astatic	B-2	D Univ. terminals	2 1/4 x 5/8"	2 3/4-oz.	2.5V	2.94
C140	Astatic	B-4	D 3" leads. Bakelite case	2 1/4 x 5/8"	2 3/4-oz.	2.5V	2.94
C13973	Astatic	L-26	B Flat 2-hole mount	2 1/4 x 3/4"	2 3/4-oz.	1.4V	2.35
C233	Astatic	M-22	B †Flat 2-hole mount	2 1/4 x 3/4"	2 3/4-oz.	2.9V	2.94
C13393	Shure	W20C	D †For 94, 98, 99, 910B PU's	2 1/4 x 3/4"	2 3/4-oz.	3.0V	2.35
C13974	Shure	W27C	D Universal mount Bake.	2 1/4 x 5/8"	2 3/4-oz.	3.0V	2.94
C13975	Shure	W40A	B Flat 2-hole mount	2 1/4 x 3/4"	2-oz.	3.0V	2.35
C540	Webster	T1	D Side hole mount	2 1/4 x 6/2"	2 1/2-oz.	2.0V	2.85
C13976	Webster	C2	C Flat, 2-hole flange mount	1 3/4 x 1"	2 1/2-oz.	2.0V	2.12

\*Include needle. †Metal case. ‡For "07" Pickup.

### RCA Crystal Cartridges

C215	No. 31050	For Models 9842	2.7-oz.	1 1/2V	2.20
C13424	No. 31156	For Models 9844, 9850	3-oz.	1 1/2V	2.50
C280	No. 33122	For Models 9868, R93F, VA-21	2.7-oz.	1 1/2V	2.20
C277	No. 33217	For Model 9891	2.7-oz.	1 1/2V	2.20
C249	No. 35171	For Models 9869, 9908, 9909D, 9910, 9911	3-oz.	1 1/2V	2.50

## SHURE Magnetic Recording Head



High quality, wide response record cutter, ideal for use in home recording equipment. Standard replacement for thousands of magnetic cutters which are in service today, and with a few minor circuit changes, will replace crystal cutting heads and provide more lasting service. Designed to operate directly from voice coil winding of output transformer, with stiff moving, but highly sensitive, recording element to permit cutting of practically all recording materials. Exceptionally rugged and stable under all climatic conditions. Will match 4-8 ohm voice coil windings. No mounting brackets are provided, but tapped mounting holes facilitate re-use of brackets on unit to be replaced. Size 2 1/4 x 1 1/8 x 3/4" with needle screw and 4-inch flexible leads. Less stylus. Shpg. wt. 8 oz. C13799—\$4.95

Your Cost.....\$4.95  
In 100 lots, Each.....\$4.50



## THE RECORD BOOK

—By David Hall. A 900 page complete guide to all recorded music. It lists the works of more than 300 composers giving a critical, impartial analysis of more than 7,000 available records. **Enlarged Edition.** Contains all of the important recordings released up to the first of the year. Beautiful black cloth cover with embossed silver binding makes it an excellent gift item.

C20002—Shp. wt. 4 lbs. Postpaid, Your Cost.....\$1.98



# PHONO NEEDLES • PICKUPS



**LONG PLAYING PHONO NEEDLES for Commercial Records**

(A) Sapphire needle with offset shank for minimum wear and low scratch level. Shadowgraphed. Play about 2500 sides without changing. **C195—Your Cost Each 59¢**

(B) Deluxe Fidelitone long-life needle. High fidelity. Plays 2000 standard commercial records; 4000 home recordings. Platinum point. **C163—Your Cost Each 69¢**

(C) Lafayette 4000 play needle in plastic case. Low surface noise. **C443—Your Cost Each 85¢**

(D) Permo Point 2000 play needle with patented precious metal elliptical point. Standard for coin machines. **C164—Your Cost Each 50¢**

(E) Lafayette Permanent Point Needles, 3000 plays. **C165—Your Cost Each 39¢**

(F) Fidelitone "Floating Point" needle. Filters record scratch. 3 to 6 months average use. (1000 or more sides). Platinum point. Ideal for changers. **C227—Your Cost Each 50¢**

(G) Deluxe Fidelitone "Floating Point" needle. As above, but good for 5000 plays. **C478—Your Cost Each \$1.00**

**SAPPHIRE CUTTING NEEDLES**

(F) Lapped edge cutter for acetate discs. Precision cut jewel for low surface noise and highest fidelity. Over 5 hours cutting life. **C191—Your Cost Each \$3.23**

(F) Like above, but with Long Shank to fit Presto Professional and Brush cutting heads. **C198—Your Cost Each \$3.45**

(G) Sapphire cutter ground to W.E. spec. For acetate discs. About 10 hours life. Can be resharpened. **C196—Your Cost Each \$4.25**

**STEEL CUTTING NEEDLES**

(G) Steel cutter for acetate; individually ground and lapped. Flattened shank. **C439—Package of 3. Your Cost 25¢**

(H) Stellite cutter for acetate discs. Extremely quiet. Cuts hundreds of sides; can be resharpened. **C337—Your Cost Each \$1.00**

(I) Individually polished steel cutter for acetate discs. Will cut 15 to 25 10-in. discs. **C348—Package of 5. Your Cost 59¢**

(I) Alloy cutter for acetate; harder than steel. Polish while they cut. Hand lapped. **C434A—Package of 5. Your Cost 95¢**

**C434B—Package of 10. Your Cost \$1.79**

(I) Permo-Point metal point cutter. Up to 10 hours excellent service. Quiet and fine efficiency. **C190—Your Cost Each \$1.18**

**PHONO NEEDLES for Standard Commercial Records**

(J) High fidelity, shadow tested steel needle. Each good for 10 sides. **C430A—Package of 12. Your Cost 8¢**

**C430B—Package of 30. Your Cost .16c**

(J) RCA steel phonograph needles.

**C159—Half Tone (Pkg. of 75) Any 10¢ 10 Packs .75**

**C153—Full Tone (Pkg. of 100) Package 10¢ 10 Packs .75**

**C160—Extra Loud (Pkg. of 100) 25¢ 10 Packs \$1.80**

(J) RCA Chromium needles. Green shank. **C357—Package of 6. 25¢ 10 Packs \$1.80**

(J) RCA Tunestone needles.

**C157—Extra Loud (Pkg. of 8) 25¢ 10 Packs \$1.80**

**C158—Full Tone (Pkg. of 8) 25¢ 10 Packs \$1.80**

(J) Lafayette Chrome plated individually shadowgraphed needles. Good for 15 plays each. **C440—Package of 6. Your Cost 15¢**

(J) Green shank shadowgraphed needles. Good for 12 plays each. **C432—Package of 100. Your Cost 38¢**

(J) Automatic Record Changer needles. Each good for 10 sides. 10 Packages for .82c **C193—Package of 10. 9¢**

(K) Hi-Fi needles for automatic record changers. Good for 10-15 plays each. **C146—Package of 30. Your Cost 23¢**

(K) RCA Red Seal needles, designed to play back Red Seal records. 10 Packages for \$1.50 **C141—Package of 50. Your Cost 20¢**

**GENERAL PURPOSE PLAYBACK NEEDLES**

For playing home recording discs or standard commercial records (Victor, Decca, Columbia, Bluebird, etc.).

(J) Transcription metal alloy needle. Long life, high-fidelity. Semi-permanent self-lubricating point. 40 to 50 hours on standard records, longer on home recordings. **C286—Your Cost Each 69¢**

(J) Red shank steel needles for acetate recordings. Individually shadow tested. **C433—Package of 100. Your Cost 38¢**

(K) Filter point highly polished surgical steel needle. Shadow tested. Low surface noise. 10-15 plays. **C209—Package of 12. Your Cost 8¢**

**C222—Package of 35. Your Cost 21c**

**C226—Package of 200. Your Cost \$1.20**

(L) Sapphire Playback—Special Value! Permanent needle—plays 2000 commercial records with minimum wear. Excellent frequency characteristics. **C448—Your Cost Each \$1.15**

**RCA-VICTOR "ONE GRAND" NEEDLE**

High quality semi-permanent needle. Good for 1000 plays. Minimum wear and surface noise. **C479—Your Cost Each 50¢**

## GREEN FLYER Dual-Speed Motor



Powerful, governor controlled, gear drive motor with the ability to maintain a uniformity of speed under normal variations in voltage and load. Lever type speed regulator and lever shift to 78 or 33 1/3 RPM. Fully enclosed with silent helical cut gears running in a bath of oil in a sealed housing. 10" turntable. 110 V., 60 Cycles AC. Furnished with mounting brackets; 10" turntable. Available with Priority only. **C100—Your Cost \$12.96**

**Needle Cups**

Antique bronze finish. 1 1/4" diameter.

**C130—Open Each 5¢**

**C131—Closed Each 8¢**

**Cactus Needle Sharpener**

A clever device that utilizes your own phono turntable to provide the motive power. Provides a sharp, smooth point that is accurately made. Will point and polish any cactus needle. Shpg. wt. 2 lbs. **C260—Your Cost 89¢**



## PHONO PICKUPS

**AUDAX Microdyne**

**Model D-38H**—New relay-action principle places resonance of moving system beyond audibility, eliminating harsh peaks. Exciter inertia several hundred times less than in ordinary pickups. Flat within ±2 db to 7500 cycles. Rising bass curve to about 8 db at 50 cycles. Exceptionally low vibratory momentum. Tip pressure about 39 grams. May be used with JEWEL POINT. Black and chrome finish. 12 1/2" long. 500 ohm imp. **C1345E—Your Cost \$29.25**

**SHURE "Hi-Lo" Pickups**

High (1.4 V.) output combined with low (1-oz.) weight make this one of the finest pickups at its price! Response 60-7000 cycles. 8 1/2" arm for up to 12" records. Mahogany color plastic. Bimorph crystal. With set and thumb screws. Ship. wt. 9 oz. **C13417—Model 97A**

**C13426—Model 95A**, same as above, but 2 oz. pressure and 3-volt output. **Your Cost Each \$3.23**

**Either Type**

Replacement Cartridges—Model 97A use W42A, 95A use W40A.



**BRUSH Crystal Pickups**

**Model PL-20**: By eliminating the usual needle chuck and set screw and employing a very small permanent, polished sapphire stylus instead of the conventional needle, the mechanical impedance of the vibratory system has been brought to a very low value. Response is virtually flat (within ±2db) up to approximately 6,000 c.p.s., with a very slightly rising characteristic to 10,000 c.p.s. Will drive a conventional two-stage amplifier. 14" overall. Taupe and bronze finish. For up to 16" records. With equalizer. Shpg. wt. 8 lbs. **C13462—Your Cost \$26.46**

**WEBSTER Crystal Pickups**

Excellent design and performance. Balanced to track at less than 2 oz. Range 40 to 8500 c.p.s. For up to 12" records. Brown finish. Shpg. wt. 3 lbs. High Impedance. **C523—Model AE-10**. With natural sapphire needle. **\$3.97**

**Your Cost**

**C529—As above, but less needle. \$3.23**

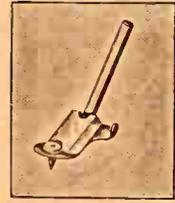
**Your Cost**

**C530—Series "80"**. Response 50-7000 c.p.s. 2 1/2-oz. pressure. Less needle. **\$2.91**

**Your Cost**

**NOTE**: For pickups not listed herein, give us your specifications and we will submit information on availability, price, etc.

## NEW! WALCO Floating Needle



Protects records. The spring action and wide guard absorb all possible shocks, preventing the chipping of the jewel or the record. Surface noise and distortion are reduced to an absolute minimum by an ingenious damping arrangement which eliminates "needle talk." New design minimizes record wear and eliminates the necessity of frequent needle changes. This needle will improve any phonograph, adding wide range reproduction, particularly on large combinations. **C113—Your Cost \$1.47**

**Lafayette Cactus Needle Sharpener**

A new and improved type of needle sharpener that makes a smooth accurately shaped point on cactus or thorn needles. Has record brush. Wt. 1 lb. **C274—Your Cost 95¢**





# RECORD ALBUMS and CABINETS

## Economy Record Albums



Never before have you been offered a quality record album with pockets for TWELVE records at this astoundingly low price. Well made, finished in brown. Index on inside front cover. Save still more by buying in lots of six. Our stock is limited so order now! Shpg. wt. 2 lbs. each.

Stock No.	Size	Pockets	Each	Six For
C21886	10"	12	48c	\$2.58
C21887	12"	12	60c	3.24

**LIMITED QUANTITY—ORDER NOW!**

## Flat Back Album



A well-made album with stiff leatherette-covered covers. Opens flat due to a unique type of construction. Offered at unusually low prices these albums are exceptionally fine values. Shpg. wt. 2 lbs. each.

Stock No.	Size	Pockets	Each
C21890	10"	12	59c
C21891	12"	12	69c

## Superior Quality DELUXE Albums



Flat opening type with strip-back type of construction. Heavy kraft pockets. Overall covering of heavy Fabrikoid. Gold embossed Gothic design on back. Beautiful in appearance and unusually sturdy in construction, it is a truly superior album in every way. Both 10" and 12" sizes have

Stock No.	Size	Pockets	Each
C21888	10"	12	\$1.29
C21889	12"	12	1.39

## Lafayette

### Record Lubricants



**RENEWER:** For acetate records. Cleans, lubricates and protects. Thin film of lubricant reduces friction. Hardens and preserves acetate records. 2-ounce bottle.

- C399—Your Cost..... **35¢**
- RENEWER:** Same as above but for commercial records such as RCA Victor, Columbia, Decca, etc.
- C394—2-oz. bottle. Your Cost..... **35¢**
- C395—1/2-oz. trial size..... **19c**
- RECORD-EASE:** Applied to recording blank before cutting, increases stylus life. Reduces surface noise. For use on non-inflammable discs only. 2-oz. bottle. **35¢**
- C424—Your Cost..... **35¢**

### Grid-Cap Phono Adapter

Permit quick and convenient connection of phono pick-ups to grid cap of detector or first audio tubes. Clips for connections.



- C11643—For Glass Tubes
- C11644—For Metal Tubes
- Your Cost..... **38¢**

### Phono-Mike Adapters With Switch

For connecting record players or mikes (hi-imp.) to radio sets that do not have phonomike terminals. Includes a shielded switch for changing from phono to radio. Instructions included.



- C11607—For sets with 5-prong detector (27, 56, etc.) or 1st a.f.
- C11608—For 6-prong tubes (42, 43, 48, etc.)
- C11609—For metal tubes (6B8, 6C5, 6F6, etc.) used as first audio.
- C11610—For screen grid detectors (24A, 35, 57, 6C6, 6D6, etc.). Not plug-in. Cap fits on tube.
- C11617—Grid-cap adapter for metal or "GT" tubes (6J7, 6R7, 6K7, etc.)
- C11618—Adapter for 6SQ7, 12SQ7, 6SR7, 12SR7, etc.
- C11619—Octal base adapter for 6SF5, 12SF5, 6SC7, 12SC7.
- Your Cost Each, Any Above Type **88¢**

### ICA Phone Tip Plug and Jack



Single prong shielded plug used extensively for mike or phono pickup and other connections. The phono jack mounts in rear of panel through 3/8" hole and is 1 1/2" between centers.

- C11773—Plug, Each..... **7¢**
- 10 For..... **65c**
- C11774—Jack, Each..... **13c**
- 10 For..... **\$1.20**

### Phono Motor Lubricant and Grease



For all phono motors, record changers, automatic tuners, etc.

No.	Oz.	Each	No.	Oz.	Each
C15194	2	21c	C15200	2	21c
C15195	6	44c	C15201	4	29c

## "VUE-DEX"



**Record Albums.** The album with the visible index! Something really new and highly practical! A handy index made of washable LUMARITH on the back of the binding keeps all titles in full view. Titles are easily changed by merely erasing or washing off the old one! Two very attractive types of covering are available. A rich reddish brown simulated\* alligator is ideal for mahogany and other dark colored cabinets. A simulated\* natural pigskin is just the thing for bleached and light colored cabinets. Wt. 2 lbs.

*Alligator	*Pigskin	Size	Pockets	Each
C20202	C20205	10"	12	\$1.29
C20203	C20206	12"	12	1.49

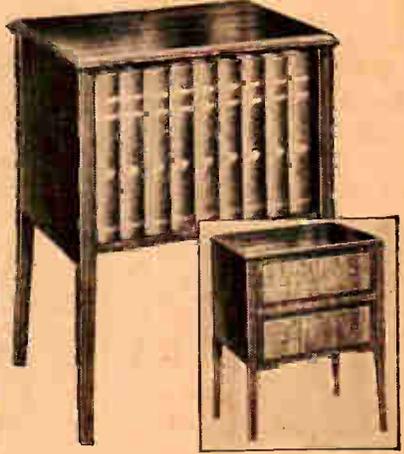
## Lafayette Record Carrying Cases

These cases provide the best protection you can give your records. Strong plywood case covered with attractive, durable, black fabrikoid. Sturdy, comfortable carrying handle. Strong hardware. Complete with lock and key. Neatly lined with heavy felt. Shpg. wt. 4 lbs. each.



- C22345—Holds 50 ten-inch records. **\$2.50**
- Your Cost.....
- C22346—Holds 50 twelve-inch records. **\$2.85**
- Your Cost.....

## Rare Buys in RECORD CABINETS



Models 906 and 909 are designed for those whose record storage requirements necessitate up to 24 albums or 288 records. Many record enthusiasts whose immediate needs do not require 24 albums for storage prefer this model because it provides storage space for their future record purchases. Both models are identical as to storage space, design, construction and finish, the only difference is that Model 909 comes complete with doors. Where desired the top of cabinet may be used for record player. Cabinet measures 28 in. wide, 16 1/2 in. deep and 33 in. high. Shpg. wt. with doors 65 lbs.—without doors 53 lbs. Available in either walnut or mahogany finish, specify choice when ordering.

- Model 906—Record Cabinet WITHOUT DOORS. **\$22.75**
- Your Cost.....
- Model 909—Record Cabinet WITH DOORS. **\$29.95**
- Your Cost.....
- Albums not included with Cabinets

For those with limited space or whose record collection does not require any additional storage facilities, this distinctively designed end table cabinet is just the thing. Holds 9 full sized 12" record albums or a total of 108 records. Top can be used for record player, lamp or small radio. Cabinet is available either with drop down door which forms handy platform for opening albums or without door so you can more quickly find the record you want. Cabinet measures 20 1/2 x 16 x 28 1/2" high. Shpg. wt. WITH DOOR, 28 lbs.—WITHOUT DOOR 25 lbs. Available in either walnut or mahogany finish, specify choice of finish when ordering.

- Model 900—Record Cabinet WITHOUT DOOR. **\$10.75**
- Your Cost.....
- Model 902—Record Cabinet WITH DOOR. **\$13.75**
- Your Cost.....
- Albums not included with Cabinets

# VILLOSCOPES

## RCA 5 Inch Oscillograph Model 158-D

Specialized instrument ideal for industrial concerns. Also suited for television servicing. 5" screen reproduces image of unusual clarity. Special attenuator prevents changes in frequency characteristics at various input levels. Synchronization for either negative or positive peaks. Vertical amplifier sensitivity .04 volts R.M.S./inch, range 5 cycles to 500 kc; horizontal amplifier .56 volts R.M.S./inch, range 5 cycles to 100 kc. Sweep from 4 to 22,000 cycles. In metal cabinet, 14 1/2 x 8 x 19 1/4". For 110-120 volts, 50/60 cycles. With tubes, C-R tube and special input cable. Wt. 30 lbs.



C21438—Your Cost..... **\$160.00**

## HICKOK Signal Tracing 3 Inch Oscillograph. Model RFO-5

Has built-in wide band FM oscillator, demodulator, video amplifiers, signal tracer and visual vacuum tube voltmeter with ranges from 0.2 to 1000 volts. Provision for audible monitoring with auxiliary speaker or headphones. Ideal for FM, AM, or television servicing. Frequencies up to 3.5 mc are internally amplified and viewed on the 3" C-R screen. Has built-in return trace eliminator, calibrated screen, phasing control and variable width sweep. Complete with 10 tubes. 11x13x15 1/4". Shpg. wt. 50 lbs.



C21441—Your Cost..... **\$102.02**  
Complete

## IC Oscillograph

Uses 906P1 tube and two horizontal amplifier stages, oscillator stage and two tubes; total of 6 tubes. Bar on front panel. 20 volts in without amplifier; 0.5 amplifier. Amplifier re-60,000 c.p.s. Amplifier frequency from 10 to 60,000 volts, 50/60 cycles a.c. Case has etched panel with tubes and in-

C21447—Your Cost..... **\$78.00**

## SUPREME Model 546 3 Inch Oscilloscope

Laboratory type oscilloscope for all radio, PA and television testing. Produces single or double image alignment patterns. Linear amplifier response from 15 to 90,000 c.p.s. Linear sawtooth oscillator 15 to over 30,000 cycles. Tube lineup: 1-3 cathode ray tube, 2-6C6 tubes for vertical and horizontal amplifier circuits, 1-885 gas triode for timing oscillator circuit and 2-80 rectifier tubes in a specially designed power supply. Vertical amplifier compensated to pass 60 cycle square wave signal. Oak case 7 1/2 x 11 1/2 x 13 1/2". For 110 V. 50/60 cycles a.c. Complete with tubes and instructions. Shpg. wt. 25 lbs.



C21598—Your Cost..... **\$80.85**

# PORTABLE VOLT-OHM MILLIAMMETERS

## SUPREME Model 542M Pocket Multi-Meter

A compact test instrument that incorporates a highly sensitive meter. Housed in a metal case with snap-on cover, 3 1/2 x 6 1/4 x 2 3/4". Has pin jack terminals. Following ranges provided: **DC Milliamperes**—0.3, 6, 30/150; **DC Volts**—0.6, 3, 30, 300/1500; **AC Volts**—0.6, 3, 30, 150/600; **Decibels**—-6 to +10, +8 to +24, +22 to +38, +34 to +50. Also provides four output ranges. 3" square meter has knife edge pointer and 200 microampere movement (5000 ohms per volt). Four Ohmmeter ranges up to 2 meg. ohms operate from self-contained batteries (furnished). Shpg. wt. 4 lbs.



C21733—Your Cost..... **\$22.49**

## SUPREME Model 543M Tester

Similar in appearance to the model 542M listed above. Has 3" meter with knife-edge pointer. Sensitivity 1,000 ohms per volt. Ranges: **DC Volts**—0.15/150, 600/3000. **AC Volts**—0.15/150, 600, 3000. **DC Ma.**—0.6, 60, 600. **Ohms**—0.2000/200,000 with built-in battery. Accuracy 2% DC, 3% AC. Metal case with snap-on cover, size 3 1/2 x 6 1/4 x 2 3/4". Shpg. wt. 3 lbs.

C21746—Your Cost..... **\$17.59**

## DEPENDABLE Mod. 446-A A.C.-D.C. Multitester



Has 1000 ohms per volt sensitivity. Ranges: **DC Volts**—0.5/50, 250/500, 2500 DC Milliamperes—0.1, 10, 100, 1000. **DC Amps**—0.1, 10. **AC Volts**—0.10, 100, 500/1000. **Ohms**—0.5/500, 100,000/1 Meg. **Decibels**—-8 to +15, +12 to +35, +26 to +49, +32 to +55. Output ranges same as AC volts. Size: 3x8 1/2 x 5". Shpg. wt. 5 lbs.

C10503—Your Cost..... **\$13.18**

## DEPENDABLE Model 411



3" meter—200 microamp movement. 34 ranges. Meter ranges are: 0.10/100, 250/1000, 5000 DC Volts; 0.200 DC Microamperes; 0.10/100 DC Milliamperes; 0.1/10, 25 DC Amperes; db from -10 to +69 in five stages; 0.400/40,000 ohms and 4 megohms; 0.10/100, 250/1000/5000 AC Volts; 0.500 AC Milliamperes; 0.25/5/25 AC Amperes; Output Meter same as AC Volts. In hardwood case 7 1/2 x 5 1/2 x 3 1/4". Shpg. wt. 5 lbs.

C21673—Your Cost..... **\$19.06**

## RADIO CITY Model 419 Multitester

Employs well known R.C.P. system of AC measurements to insure higher accuracy, greater ruggedness and more sensitivity than that obtainable with the copper-oxide rectifier method. Practically linear scales, easily legible. Has 4 1/2" meter with D'Arsonval movement having 500 microampere sensitivity; meter is fused for protection. **Specifications:** 2000 ohms/volt sensitivity; **DC Volts** 0.5/50, 250, 2500/5000; **AC Volts** 0.10, 100, 500/1000/5000; **DC Current** 0.10, 50, 250, 1000 ma. 0.1/5, 25 amps; **Capacity** 0.03/3/30, 300 mfd.; **Low Ohms** 0.100 (2 ohm center) **Ohms** 0.15,000, 150,000 on self-contained batteries; 0.1/5/15 megs on built-in power supply; **Inductance** .25/1000 mh., .25/1000/10000, 10,000 henrys. Open face bench type hardwood case 9 1/2 x 9 1/2 x 5 1/4". Shpg. wt. 9 lbs.



C21741—Your Cost Each..... **\$32.83**

## PORTABLE MODEL 419-P

Shown). Same, in maple case with removable cover. **\$35.77**  
C21742—Your Cost, Each

## DEPENDABLE Model 418 A.C.-D.C. Multitester

Pocket-size tester with 2500 ohms per volt sensitivity. Ranges: **AC and DC volts**—0.10/50, 250/1000/5000; **DC Current**—0.10, 100, 1000 Ma. and 10 Amps; **Microamperes**—0/400; **Resistance**—0.500/100,000, 1,000,000 ohms. Back up type of low ohm scale reads down to 1/10 ohm. All ranges with self-contained battery. Natural finish wood case. Size: 6 3/8 x 3 1/2 x 3". Shpg. wt. 4 lbs.



C10500—Your Cost..... **\$18.13**

## C.I. A.C.-D.C. Pocket Volt-Ohm-Milliammeter Model 421A.

Multi-range portable instrument. Wire wound multipliers, calibrated to 0.5%. 2 1/4" meter, 650 microamp. movement shunted to 1 mil. Voltage ranges 1000 ohms per volt: 0.75-15-150-750 AC & DC. Uses copper oxide rectifier. Resistance range: 0.5000 500,000, half scale 35 and 3500 ohms. D.C. mls: 0.75-75. Ranges selected by plainly marked jacks. Enclosed 4 1/2 v. battery supplies testing current. Wrinkle steel case; 5 1/2 x 3 1/2 x 3". With test leads. Shpg. wt. 4 lbs.



C21500—Your Cost..... **\$27.44**



# SIGNAL GENERATORS

## SUPREME 571 Oscillator



Produces six types of signals: (1) Straight C.W.; (2) 400 cycle, 30% standard audio modulated R.F.; (3) 400 cycles, 75% high level audio modulated R.F.; (4) External audio modulated R.F.; (5) External frequency modulated R.F.; (6) 400 cycle fixed audio note for testing audio

amplifiers, etc. Five R.F. ranges, 65 kc to 20.5 mc on fundamentals, over 60 mc on harmonics. E.C. oscillator circuit with air dielectric condensers, ironcore coils; accuracy within 1/2 of 1%. Non-shorting ladder type attenuator. Oak case: 10 1/2 x 8 1/2 x 11 1/2". With output cable, complete instructions. Shpg. wt. 19 lbs.

**C21667—Your Cost.....\$48.41**

## TRIPLETT 1632 Sig. Generator

Continuous coverage from 100 kc to 120 mc. Metered output to multiplier and attenuator. Output available at end of coaxial cable.



Provision for external modulation at AF or RF. Positive vernier dial tuning control. Permeability adjustments and tubular air-trimmers used for maximum accuracy and stability. Streamlined metal case 15x9x6 3/4"; silver-gray suede electro-ename finish, three tone panel. Complete with accessories. Shpg. wt. 31 lbs.

**C21789—Your Cost.....\$86.08**

## RCP Model 662 Electronic Multitester

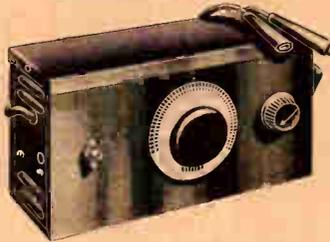


Provides 27 vacuum tube operated ranges, and has voltage regulated power supply. 4 1/2" microammeter has D'Arsonval movement with accuracy of 2% at full scale; meter unusually well protected. Ranges: **D.C. Vac. Tube Voltmeter**, sensitivity 160 meg. on high and 16 meg. on low ranges, 0/6/30/150/600/1500/6000; **A.C. Vac. Tube Voltmeter**, same sensitivity as above, 0/3/6/30/150/600/1500/6000; **Vac. Tube Ohmmeter** 0/1000/10,000/1 meg./1 meg./10 meg./100 meg./1000 meg.—no test leads to short and no resetting when changing ranges; **Vac. Tube Capacity Ranges** 0/.001/.01/.1/1/10/100/2000mfd. All ranges are direct reading. Has additional 3 volt A.C. range with special 6 volt A.C. scale on dial. Supplied with high voltage test lead, signal tracing probe, high freq. probe, resistance and capacity lead. Gray wrinkle finish metal case 9 3/4 x 9 1/4 x 7 3/4". With tubes and batteries. Shpg. wt. 10 lbs. **\$46.55**

**C21793—Each.....\$46.55**

We will be glad to furnish manufacturer's literature for any test instruments on request.

## Special! WIEN BRIDGE Audio Oscillator Kit



Resistance-capacity tuned audio osc. employing radically new Wien Bridge circuit incorporating both degenerative and regenerative feedback. **No tuned circuits used**—never necessary to re-calibrate. Degenerative feedback maintains constant output amplitude throughout range from 20 to 10,000 cycles, with no appreciable drift. Waveform is essentially sinusoidal throughout the entire range. Calibrated dial supplied with kit eliminates need for oscilloscope or calibrated oscillator. Independence from line voltage fluctuations assured by VR 150-30 voltage regulator tube. Supplied with gray wrinkle finish metal cabinet with many parts mounted, and with power supply and voltage regulator circuits completely wired. **Tubes supplied:** 6SJ7, 6J5, 6X5 and VR 150-30. Shpg. wt. 12 lbs.

**C20369—Kit complete with tubes, parts, hardware and instructions. \$17.95**

## RADIO CITY 703 Sig. Gen.

Useful test frequencies 95 kc to 100 mc; fundamentals to 25 mc. AF modulation 30% at 400 cycles, also available separately for audio tests. 5-step dial attenuator. 8x11 1/2 x 5". Shpg. wt. 16 lbs. **\$32.83**



**C21720—Your Cost.....\$32.83**

## HICKOK MODEL 19X Microvolt Signal Generator



Crystal controlled calibrated output from 100 kc to 30 mc on fundamentals with an accuracy of better than .01%. Self-contained vacuum tube voltmeter and power level meter give complete measurement of receiver gain-per-stage, selectivity and sensitivity. Calibrated output ranges on RF, 1/2 to 100,000 microvolts on all ranges. AF. 0 to 1.0 volt at 400 cycles. Output ranges from -10 to +6, +6 to +22, +22 to +38 db. 100% of direct reading frequency scale. Supplied complete with self contained dummy antenna, cables and instructions. Size 13x16x7". Shpg. wt. 21 lbs. **\$94.08**

**C21718—Your Cost.....\$94.08**

## HICKOK Model 188X Signal Generator

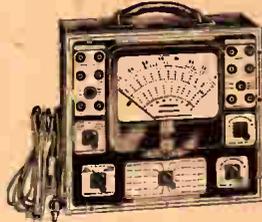


Crystal controlled instrument ideal for AM, FM, Television and P.A. servicing. RF ranges from 100 kc to 110 mc in 7 fundamental bands, accuracy better than 1/2%. With crystal in use. 100 kc or 1000 kc beats are available with accuracy better than .01% from 100 kc to 100 mc. 150 kc standard sweep from 1000 kc to 133 mc; 30 kc sweep for visual alignment of AM receivers. AF output available at 400 cycles fixed and 100 to 10,000 cycles variable with accuracy within 5%. Power Level meter range from -10 to +38 db. Synchronized sweep voltage for oscillograph use. Provision for VR-130 voltage regulator. For 110/120 volts, 40/60 cycles. With tubes, cables and instructions. Case 13x13x7". Wt., 26lbs. **\$72.32**

**C21788—Your Cost.....\$72.32**

# ELECTRONIC MULTITESTERS

## PRECISION EV-10 V-T Multi-Range Tester



Employs 8 1/2" meter and a voltage regulated power supply. Ranges: eight zero-center vacuum-tube voltmeter ranges 0/3/6/12/60/300/600/1200/6000 volts at 13 to 133 meg. input resistance; six circuit probing zero-center ranges, sensitivity as above, using coaxial cable for measurement in AVC, AFC, FM and television circuits 0/3/6/12/60/300/600 volts; resistance 0/2000/200,000 ohms and 0/2/20/200/2000 megohms; eight A.C. and D.C. voltage ranges at 1000 ohms/volt to 6000 volts D.C. current 0/600 microamps, 0/3/12/60/300/1200 ma., 0/12 amperes; output ranges from -26 to +70 db. Shpg. wt. 20 lbs.

**C21765—Model EV-10MCP in black ripple metal case with handle. 12x10 1/2 x 6". \$53.85**

**Model EV-10P**, as above, in hard-worn portable case with removable cover and tool compartment. **\$58.16**

**C21766—Each.....\$58.16**

## HICKOK Electronic A.C.-D.C. Multitester

**Model 202.** All but current measurements are made electronically with a resultant lack of circuit disturbance. Zero center D.C. voltage scale makes it unnecessary to reverse leads.



Employs a rugged 5" square meter which cannot be burned out by overload on any voltage or resistance scale. This instrument is ideal for alignment of discriminator circuits in FM receivers and, due to its extremely high input impedance, does not require disconnecting any component circuit parts. Ranges: **A.C. Volts** 0/.5/2.5/10/250/1000 at constant input impedance of 2.5 megohms; **D.C. Volts**, 0/2.5/10/250/1000 at input impedance of 14 megohms; **Resistance** in five ranges from 1 ohm to 1000 megohms; **D.C. Milliampers** 0/2.5/10/250/1000. With shielded test probes. Size: 11x8x7". Wt. 17 lbs.

**C21465—Your Cost.....\$46.30**

**RF-10 PROBE:** for Precision EV-10 (at left). For measurement of R.F. and U.H.F. voltages. With 955-acorn tube. **\$15.04**

**C21784—Each.....\$15.04**

## RCA Junior Volt-Ohmmist



The new Junior Volt-Ohmmist employs a push-pull electronic circuit which draws no current from the circuit being measured. D.C. overloads cannot burn out the meter, and rugged construction makes the instrument secure from mechanical shock. Accurate readings are always provided despite line voltage fluctuations. Ranges are: **D.C. Volts**, at 11 megohm input impedance, 0/3/10/30/100/300/1000; **A.C. Volts**, at 1000 ohms/volt, 0/10/30/100/300/1000; **Resistance** in five ranges from 1 ohm to 1000 megohms. Meter is 4 1/2" square and accurate to within 2%. Polarity reversing switch makes it unnecessary to reverse leads at any time. Supplied complete with tubes and test leads, including Signal Tracer type probe. Portable metal case 9 3/4 x 5 1/2 x 5 1/2". Shpg. wt. 14 lbs. Model 165. **\$37.50**

**C21770—Each.....\$37.50**

**NOTE:** Testers listed here are available on priority only. Please include your highest authorized preference rating with your orders.



# Modern **★** TEST INSTRUMENTS

ALL-PURPOSE

## SPRAGUE DeLuxe "TEL-OHMIKE"



"Tel-Ohmike" provides a simple, accurate means for measuring capacitance and resistance and incorporates a built-in d.c. volt-milliammeter. It will measure capacitances on direct reading scales from .00001 to 2,000 microfarads. Checks paper, mica, oil, wet and dry electrolytic condensers. Measures d.c. resistance from 1/2 ohm to 5 megohms, and insulation resistance up to 1,000 megohms. Provides power factor and leakage tests. Built-in power supply (up to 1000v.) permits checking under direct working conditions. A "magic eye" indicates circuit resonance. The volt-milliammeter has a switch providing 8 ranges: 0/15/50/500/1500 volts d.c. and 0/1.5/15/50 d.c. ma. Switch and pin-jacks permit use of volt-milliammeter for external measurement. Attractive portable case 17 1/2 x 9 x 6". For 110 volts, 50/60 cycles a.c. Shpg. wt. 14 lbs. C21787—

Your Cost.....

**\$49.95**

## CORNELL-DUBILIER Instruments

### "BF-50" Capacitor Analyzer



For measuring all important characteristics of capacitors. Incorporates a "Wien" bridge with single stage of amplification and visual "eye" for measurements. Has built-in power supply (for 110 V., 60 cycles AC) for making leakage and insulation resistance tests. Measures paper, mica, air and electrolytic condensers, from .00001 to 240 mfd. Measures power factor, leakage, tests for shorts, etc. Uses 12A7 and 6E5 tubes. In Walnut portable case, dim.: 6 1/2 x 12 x 9 1/4". Shpg. wt. 11 lbs. C21727—Your Cost, Less Tubes.....

**\$29.28**

"BN" Capacitor Bridge listed on Page 32.



## MODEL TC3 Tube Checker



For all standard 4, 5, 6, 7, octal, loktal and miniature series—with two spare positions for future use. Features PMT switch system, permits placing proper voltage on proper pin. Fil. volts 1 to

117. Has 18 lever telephone type switches. Shorts, line and output all checked using one control. 3" square illuminated, 2 jewel D'Arsonval type meter; accuracy 2%. Slide drawer chart. Patented short test between every element including cathode to heater. DC voltmeter range, 0-10-100-1000. Size: 8x14 1/2 x 14 1/2". Shpg. wt. 20 lbs. C21513—

Your Cost.....

**\$50.00**

Model TC3P: Portable model, brown leatherette covered wood case, with cover. Wt. 22 lbs. C21514—

Your Cost.....

**\$51.00**

## C. I. Model 431 AC-DC Volt-Ohm-Milliammeter



Pocket size multi-range instrument with carrying strap. 400 micro-amp movement. Ranges: AC: 0-15-150 V.; DC: 0-30-300-1500 V. 0-150 ma. DC. Ohms: 0-3000-300,000. 1 1/2 V. cell testing current. Shunts 0.5% accuracy, 5 1/2 x 2 3/4 x 2 1/4". With test leads. Wt. 3 lbs. C21501—Your Cost

.....

**\$18.62**

C21502—Each.....

**\$27.44**

C21502—Each.....

## TRIPLETT Model 1612 Tube Tester



Deluxe counter checker with 7 "Red Dot" lifetime meter having a 6 "GOOD-BAD" scale. Speed-roll chart permits 36 readings at a glance. Tests all present day tubes including loktals, Bantam, Jr., miniatures and midgets; also test ballasts and pilot bulbs. 19-step filament range from 1.1 to 110 volts. Has noise test jack and separate line voltage meter. Neon indicator for shorts and leakages, etc. Steel case. 15 1/2 x 11 1/2 x 6". Shpg. wt. 32 lbs. C21685—

Your Cost.....

**\$32.18**

MODEL 1613—Same as above, in Portable case, 15 1/2 x 11 1/2 x 6 1/2". Shpg. wt. 35 lbs. C21686—

Your Cost.....

**\$37.57**

C21686—

## HICKOK Model 530-P Tube Tester



Dynamic tube tester calibrated in microhms 0-3000-6000-15000 and also "Good", "Bad" and "Bad" tests all types for noise (audio and RF), hot and cold shorts, leakage, gas, etc. Tests grid controlled rectifiers. Continuous line volts adjustment. 96-130 V. Portable case with handle. 14 1/2 x 13 x 6". Shpg. wt. 22 lbs. C21639—

Your Cost.....

**\$58.80**

Counter Model

Model 530C—Same as above but counter type. Size: 14x16x6". Shpg. wt. 22 lbs. C21640—

Your Cost.....

**\$58.80**

## RADIO CITY Model 309-P Tube Tester



Tests all MINIA-TURE TUBES and other new and old types. Also tests ballast tubes, pilot lights, etc. Employs famous DY-NOPTIMUM test circuit that makes all tests at RMA specified plate voltages and loads. Hot cathode leakage test. Hot interelement short and leakage test between all elements. Individual tests of each section of full wave rectifiers, duodiodes, etc. Noise and hum tests. Continuously variable adjustment for line voltages from 105 to 135 volts. For 105-135 V. 50/60 cycles A.C. C21644—

Your Cost.....

**\$21.02**

MODEL 309-P—In combination portable counter type case as shown. Size: 12x8 1/2 x 7". Shpg. wt. 11 lbs. C21644—

Your Cost.....

**\$21.02**

## SUPREME 589-P Portable Tube and Battery Tester



Modern in design—efficient in operation, yet at a real low price. Has eight sockets for all 4, 5, 6, 7, 8 prong loktal, Bantam, single-ended, midget, television, magic "eye" and hearing aid types; also gaseous rectifiers, ballasts, pilot lights and Christmas tree lights. Hot neon tests for interelement leakage and shorts. Tests for internal opens. Phone jack for noise test. All filament voltages from .75 to 117. Vernier power line adjustment. Supreme patented switching system automatically re-connects all sockets for possible future tube base connection layout. Roller chart lists all sectional and complete tube tests. One year's chart revision service free. Battery tester checks portable "A" and "B" batteries under load. Hand-some airplane luggage case 11 1/2 x 9 1/2 x 5 1/2"; slip-hinge cover. With instructions. Shpg. wt. 11 lbs. C21753—

Your Cost.....

**\$37.73**

C21753—

Your Cost.....

**\$37.73**

## Capacitor Decades

Accurate standards covering a wide range of capacity in 3 units. For use with Type "BN" Capacity Bridge or similar precise unit. Capacity range: .0001 to 11.1 mfd. Calibration chart with each. Rating 600 V. DC-220 V. AC; Tolerance ±5%. Walnut Bakelite case, dim.: 3 1/2 x 5 x 3". Wt. 4 lbs. C21729—.011 mfd. in .0001 steps. C21730—.1 mfd. in .01 steps. Your Cost, Each Above.....



C21731—10.0 mfd. in 1.0 mfd. steps. Your Cost.....

**\$6.35**

C21731—10.0 mfd. in 1.0 mfd. steps. Your Cost.....

**\$11.29**

C21731—10.0 mfd. in 1.0 mfd. steps. Your Cost.....

**\$11.29**

C21731—10.0 mfd. in 1.0 mfd. steps. Your Cost.....

**\$11.29**

C21731—10.0 mfd. in 1.0 mfd. steps. Your Cost.....

**\$11.29**

C21731—10.0 mfd. in 1.0 mfd. steps. Your Cost.....

**\$11.29**

C21731—10.0 mfd. in 1.0 mfd. steps. Your Cost.....

**\$11.29**

C21731—10.0 mfd. in 1.0 mfd. steps. Your Cost.....

**\$11.29**

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**\$11.29**

C21731—10.0 mfd. in 1.0 mfd. steps. Your Cost.....

**\$11.29**

C21731—10.0 mfd. in 1.0 mfd. steps. Your Cost.....

**\$11.29**

C21731—10.0 mfd. in 1.0 mfd. steps. Your Cost.....

**\$11.29**

## RCP Master Analyst



Mod. 504C

Push-button analyzer. Cable plugs into receiver socket for measuring voltage, current, resistance or capacitance of components. Permits current and voltage measurements in circuit at same time. Has 4 sockets, 8 adapters and cable with latch type plug. 9 1/2 x 7 x 3 1/4". Wt. 5 lbs. C10534—

Your Cost.....

**\$20.33**

## RCP Appliance Tester

Model 417: Pocket size for all types of equipment drawing up to 6000 watts. Ranges: AC and DC Volts 0/250; Amps. 0/1/5/25; Watts: 0/30/120/600/3000 at 120 volts, 0/60/240/1200/6000 at 240 volts. Power factor correction chart and line voltage correction curves supplied. Wood case 3 1/2 x 6 x 2 3/8". Shpg. wt. 7 lbs. C10478—



Your Cost.....

**\$12.69**

Model 417-P: As above, in portable case with cover. C10477—Your Cost.....

**\$14.65**

C10477—

Your Cost.....

**\$14.65**

C10477—

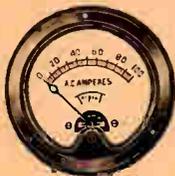
Your Cost.....

**\$14.65**

C10477—

Your Cost.....

# TRIPLET PANEL METERS



## D. C. Ammeters With External Shunt

These precision instruments incorporate the finest materials, and are assembled by skilled craftsmen. Molded cases; terminals molded



in. With external shunt. Prices on higher range meters, or on a.c. Ammeters with current transformers, available on application.

Range Amps.	221-2" Round No. Each	321-3" Round No. Each	426-4" Square No. Each	626-6" Square No. Each
0-50	C10926 \$ 4.87	C10937 \$ 5.78	C10948 \$ 7.03	C10959 \$ 8.46
0-75	C10927 4.87	C10938 5.78	C10949 7.03	C10960 8.64
0-100	C10928 7.18	C10939 8.10	C10950 9.34	C10961 10.78
0-150	C10929 7.18	C10940 8.10	C10951 9.34	C10962 10.78
0-200	C10930 7.18	C10941 8.10	C10952 9.34	C10963 10.78
0-300	C10931 7.74	C10942 8.65	C10953 9.90	C10964 11.34
0-400	C10932 8.99	C10943 9.90	C10954 11.14	C10965 12.58
0-500	C10933 10.26	C10944 11.17	C10955 12.42	C10966 13.85
0-600	C10934 11.50	C10945 12.42	C10956 13.65	C10967 15.09
0-800	C10935 14.01	C10946 14.93	C10957 16.17	C10968 17.61
0-1000	C10936 17.61	C10947 18.52	C10958 19.77	C10969 21.20

**NOTE:** We can supply any Triplet equipment not listed here on special order, at regular dealers prices.

## 1000 Ohms-per-Volt Foundation Meters

0-1 d.c. milliammeter Foundation Instruments with internal resistance of 100 ohms (1000 ohms-per-volt). Scales read: 0-10-50-250-500-1000 volts; 0-1-10-50-250 milliamperes; low ohms, 2 to 500; high ohms to 100,000. Shpg. wt. each, 3 lbs.

Model	Case	Price
C11442—Model 321. 3" Round	Round	\$ 5.39
C11388—Model 326. 3" Square	Square	5.39
C11278—Model 421. 4" Square	Square	6.83
C11297—Model 521. 5" Round	Round	7.55
C11285—Model 726. 7" Square	Square	12.58



## SHUNTS AND RESISTORS FOR ABOVE INSTRUMENTS

Resistors, on bakelite, for 0-10-50-250-500-1000 volts. **\$7.91**  
**C11368—Your Cost.**  
 Shunts for 0-1-10-50-250 ma.; current limiting resistors for low and high ohms and shunt for low ohms. **\$2.52**  
**C11369—Mounted on bakelite. Your Cost.**  
**C11370—Zero adjust. rheostat for ohms ranges. Each. 72c**  
 Multi-Deck Selector Switch (2 decks). With knob. **\$1.44**  
**C11371—Your Cost.**

## Power Level Indicators



For measuring noise levels in P.A., theaters, broadcast stations, etc. Ranged reads up 6 and down 10 db. Zero db at 1.73 volts.

500 ohm lines, 6 milliwatts. Standard damping. Wt. 3 lbs.  
 Model 321. 3" dia. **\$8.46**  
 Model 421. 4" sq. **\$14.21**  
 Model 521. 5" sq. **\$17.09**  
**C11448—Each.... \$17.09**

## AMPHENOL Unwired Adapters



Make your own adapter, to meet your requirements. Tops and Bases available in all types. Bases are drilled with 1/8" hole on side for bringing out leads or fastening metal tube grid cap stud. Bases and tops drilled for self-tapping screws for holding assembly together. Screws supplied with each base. Available in black only.

## Side Stud Only

Used in above adapter bases.  
**C11576—Your Cost Each. 6¢**

## Thermo-Ammeters with External Couple

Model 341 3" Round			Model 241 2" Round		
No.	Cost	Amps.	No.	Cost	Amps.
C11389	\$7.18	0.5	C11428	\$6.30	0.5
C11391		1.0	C11425		1.0
C11390		1.5	C11430		1.5
C11392		2.5	C11426		2.5
C11393		5.0	C11427		5.0

Replacement couples on order, any range, specify. Each \$2.87

## Thermo-Ammeters with Built-in Couplers

For r.f. measurements, ant. radiation indications, etc.

Model 341 3" Round			Model 347A 3" Square		
No.	Each	Amps.	No.	Each	Amps.
C11229	\$4.87	0.5	C11220	\$4.87	0.5
C11235	4.87	1.0	C11221	4.87	1.0
C11238	4.87	1.5	C11222	4.87	1.5
C11239	4.87	2.5	C11227	4.87	2.5
C11246	4.87	5.0	C11228	4.87	5.0

Adapt. Top Stock No. C11562 C11569  
 Adapt. Base Stock No. C11563 C11570  
 C11564 C11571  
 C11565 C11572  
 C11566 C11573  
 C11567 C11574  
 C11568 C11575  
 \*7C top fits only 7L and 8L bases.  
 †Large dia. base. Fits 7 comb. top.  
 Adapt. Tops 12¢ Adapt. Bases 12¢



## TRIPLET

## ROUND AND SQUARE CASE PANEL METERS



Incorporate precision engineering, the finest materials and workmanship. Molded cases, all terminals molded in. Sapphire jewels in adjustable screws. Accuracy within 2%.

## D.C. Milliammeters—Round and Square Case

Range	2" Round 221		2" Square 277A		3" Round 321		3" Square 327A		4" Square 426	
	No.	Each	No.	Each	No.	Each	No.	Each	No.	Each
0-1	C11208	\$4.15	C11288	\$4.15	C11200	\$5.03	C11320	\$5.03	C11336	\$6.47
0-1.5	C11209	4.15	C11289	4.15	C11201	5.03	C11321	5.03		
0-3	C11415	4.15	C11290	4.15	C11411	5.03	C11322	5.03		
0-5	C11416	3.23	C11298	3.23	C11412	4.15	C11323	4.15	C11337	5.39
0-10	C11210	3.23	C11299	3.23	C11202	4.15	C11324	4.15	C11338	5.39
0-15	C11211	3.23	C11300	3.23	C11203	4.15	C11325	4.15	C11339	5.39
0-25	C11398	3.23	C11306	3.23	C11394	4.15	C11326	4.15	C11340	5.39
0-50	C11212	3.23	C11309	3.23	C11204	4.15	C11327	4.15	C11341	5.39
0-100	C11213	3.23	C11311	3.23	C11205	4.15	C11328	4.15	C11342	5.39
0-150	C11417	3.23	C11312	3.23	C11413	4.15	C11329	4.15	C11343	5.39
0-200	C11214	3.23	C11313	3.23	C11206	4.15	C11330	4.15	C11344	5.39
0-250	C11418	3.23	C11314	3.23	C11414	4.15	C11331	4.15	C11345	5.39
0-300	C11287	3.23	C11315	3.23	C11395	4.15	C11332	4.15	C11346	5.39
0-500	C11215	3.23	C11316	3.23	C11207	4.15	C11333	4.15	C11347	5.39
0-750	C11400	3.23	C11317	3.23	C11396	4.15	C11334	4.15	C11348	5.39
0-1000	C11401	3.23	C11318	3.23	C11397	4.15	C11335	4.15	C11349	5.39

## D.C. Microammeters—Round and Square Case

Range	2" Round 231	2" Square 237A	3" Round 331	3" Square 337A	4" Square 436
0-50	C11352	C11354	C11352	C11354	C11358
0-100	C11353	C11355	C11353	C11355	C11359
0-200	C11432	C11350	C11434	C11356	C11360
0-500	C11433	C11351	C11435	C11357	C11361

## A.C. Voltmeters—Round and Square Case

Range	2" Round 231	2" Square 237A	3" Round 331	3" Square 337A	4" Square 436
0-5	C11280	C11449	C11273	C11459	C11466
0-10	C11281	C11454	C11274	C11460	C11467
0-15	C11282	C11455	C11275	C11461	C11468
0-25	C11283	C11456	C11276	C11462	C11469
0-50	C11284	C11457	C11277	C11381	C11382
0-150	C11286	C11457	C11279	C11463	C11470
0-300	C11409	C11458	C11406	C11464	C11383
0-15-150			C11408	C11465	6.66

## D.C. VOLTMETERS

Model 321—1000 Ohms/Volt		
No.	Range	Each
C11240	0-10	\$5.95
C11241	0-50	
C11242	0-100	\$6.30
C11243	0-150	
C11244	0-500	\$7.91

## D.C. VOLTMETERS

125 Ohms per Volt					
Model 321		Range	Model 221		
No.	Each		No.	Each	
C11230	\$4.15	0-5	C11247	\$3.23	
C11231		0-10	C11248		
C11232		0-15	C11249		
C11233	\$4.15	0-25	C11250	\$3.23	
C11234		0-50	C11251		
C11236		0-150	C11253		
C11237	\$5.03	0-250	C11254	\$4.15	
C11404	6.66	0-500	C11405	5.99	

## METER DIMENSIONS

Model	Flange	Body	Dia.
221, 231, 241	2 1/8"	2 1/8"	2 3/8"
277A, 327A	2 3/8"	2 3/8"	2 3/8"
321, 331, 341	3 1/2"	3 1/2"	3 3/8"
327A, 337A, 347A	3 x 3"	3 x 3"	3 3/8"
426, 436	4 1/4 x 4"	4 1/4 x 4"	3 3/8"
521, 531	5 1/4"	5 1/4"	4 3/8"
626, 636	6 x 5 1/4"	6 x 5 1/4"	4 3/8"
726, 736	7 1/2 x 6 1/2"	7 1/2 x 6 1/2"	3 3/8"

## TRUTEST Meter Cases

Black crackle finish steel cases 4x4x1 1/2" high. Two ceramic insulators. Wt. 2 lbs.

C10398—2 3/4" hole  
 C10399—2 1/4" hole  
**Your Cost. \$1.03**



## A.C. MILLIAMMETERS

Model 331			Model 231		
No.	Each	Ma.	No.	Each	Ma.
C11419	\$4.87	0-10	C11420	\$3.95	0-15
C11265	\$4.15	0-15	C11269	\$3.23	0-25
C11266		0-25	C11270		0-50
C11267		0-50	C11271		0-100
C11268	\$4.15	0-100	C11272	\$3.23	0-250
C11421		0-250	C11423		0-500
C11422		0-500	C11424		

## A.C. AMMETERS

Model 331			Model 231		
No.	Each	Amps.	No.	Each	Amps.
C11255	\$4.15	0-1	C11260	\$3.23	0-3
C11256		0-3	C11261		0-5
C11257	\$4.15	0-5	C11262	\$3.23	0-10
C11258		0-10	C11263		0-25
C11259	\$5.03	0-25	C11264	\$4.15	0-30
C11429		0-30	C11384		
C11431	\$6.47	0-50	C11385	\$5.59	0-50

## D.C. AMMETERS

With internal shunt.					
Model 321			Model 221		
No.	Each	Amps.	No.	Each	Amps.
C11216	\$4.15	0-1	C11223		0-3
C11372		0-3	C11376		0-5
C11217		0-5	C11224		0-10
C11218	\$4.15	0-10	C11225	\$3.23	0-25
C11373		0-15	C11377		0-25
C11374		0-25	C11378		0-30
C11375		0-30	C11379		

## Front Illuminator

Shielded front dial light that fits on lower part of model 321 and 331 meters. No glare. Complete with 6.3 volt bulb.



C11292—**\$1.08**  
 Each.....

# PANEL METERS and ACCESSORIES

## STERLING Meters

Efficient panel meters with 2" scales. 2 3/4" overall. Plated flanges. Sensitive, accurate movements. Binding post terminals on backs of cases. For flush panel front mtg. Wt. 1 lb.

**D.C. Voltmeters**

C10903	0-3 volts	73c
C10904	0-6 volts	73c
C10905	0-10 volts	73c
C10906	0-15 volts	73c
C10908	0-25 volts	73c
C10907	0-50 volts	73c
C10911	0-75 volts	88c
C10912	0-100 volts	97c
C10914	3-0 3 volts	73c
C10915	0-8-160 volts	\$1.47
C10916	0-12 240 volts	1.76

**High Resistance Type**

C10909	0-25 volts	\$1.76
C10910	0-50 volts	2.12
C10913	0-100 volts	2.12

**D.C. Ammeters**

C10898	10-0-10 amps	73c
C10899	20-0-20 amps	73c
C10880	0-15 amps	88c
C10881	0-30 amps	\$1.18
C10882	0-50 amps	1.29

**D.C. Milliammeters**

No.	Ma.	No.	Ma.
C10890	0-15	C10895	0-200
C10891	0-25	C10896	0-300
C10892	0-50	C10897	0-400
C10893	0-100	C10878	0-500
C10894	0-150		

Your Cost, **73¢**  
Any Type Each  
C10888—0.5 ma. Each \$1.47  
C10889—0.10 ma. Each 1.29  
C10879—0.20-100 ma. Each 1.29

## STERLING Pocket Meters

For Testing "A" and "B" Batteries

In nicked finish cases 2 1/4" in dia., 3/8" thick. All except No. 30 have flexible plugs.

No. 37A: For small batteries. 0-50 and 0-2 v.  
C10885—Each **\$1.47**

No. 38A: For medium batteries 0-100 and 0-2 v.  
C10883—Each **\$1.62**

No. 39A: For large batteries. 0-150 and 0-2 v.  
C10886—Each **\$1.62**

No. 40A: For 3-way set batteries. 0-150 and 0-10 v.  
C10884—Each **\$1.76**

No. 42A: General tester. Red and green color chart for all standard batteries, including 45 v. and 90 v. "B", 1 1/2, 4 1/2, 6 and 7 1/2 v. "A". 0-100 v. scale for special "B" batteries, 5 v. divisions.  
C10877—**\$3.53**  
Your Cost Each  
No. 30: Air Cell Tester (2 volt).  
C10887—**\$1.03**  
Your Cost Each

**Miniature Tube Adapters Unwired.** Consist of a drawn steel black japanned cap containing a miniature socket, attached to an octal base plug. With instructions. For any tube tester having an octal socket.  
C11537—For RCA types 1S4, 1T4, 1R5, 1S5, etc. miniature tubes.  
C11540—For Hytron Bantam Jr. tubes (1Y113, 1Y125)  
Either Type, Each **29¢**

**Universal Output Meter Adapter**  
Contacts plate prong of tube. Flexible 50" lead; phone tip at end.  
C11603—**22¢**  
Each



## READRITE Square and Round Meters

Model 55, round with clamp, nickel-plated Model 95, square, black enameled. Both require 2 3/8" hole. DC: polarized vane solenoid type; AC: double vane repulsion type. Accuracy within 5%.



**D. C. MILLIAMMETERS**

Model 55				Model 95			
No.	Each	Range	No.	Each	Range	No.	Each
C11050	\$1.47	0-5	C11150	\$1.71	0-5	C11051	\$0.65
C11100	1.29	0-10	C11151	1.53	0-10	C11052	.65
C11101	.65	0-15	C11152	.88	0-15	C11053	.65
C11102	.65	0-25	C11153	.88	0-25	C11054	.65
C11103	.65	0-50	C11154	.88	0-50	C11055	.65
C11104	.65	0-100	C11155	.88	0-100	C11056	.65
C11105	.65	0-150	C11156	.88	0-150	C11057	.82
C11106	.65	0-200	C11157	.88	0-200	C11059	.65
C11107	.65	0-300	C11158	.88	0-300	C11060	1.79
C11108	.65	0-400	C11159	.88	0-400	C11061	.82
C11110	1.29	0-15/150	C11161	1.53	0-50*	C11062	2.12

**D.C. AMMETERS**

C11091	\$0.65	0-1	C11162	\$0.88
C11092	.65	0-3	C11163	.88
C11093	.65	0-5	C11164	.88
C11094	.65	0-10	C11165	.88
C11096	.65	3-0-3	C11167	.88
C11097	.65	6-0-6	C11168	.88
C11098	.65	10-0-10	C11169	.88
C11099	.65	20-0-20	C11170	.88

**A.C. MILLIAMMETERS**

C11087	\$1.79	0-50	C11000	\$2.03
C11088	1.79	0-100	C11001	2.03
C11089	1.79	0-250	C11002	2.03
C11090	1.79	0-500	C11003	2.03

**A.C. AMMETERS**

C11081	\$1.79	0-1	C11004	\$2.03
C11082	1.79	0-3	C11005	2.03
C11083	1.79	0-5	C11006	2.03
C11084	1.79	0-10	C11007	2.03
C11085	2.44	0-50	C11008	2.68

**Wide Flange for Model 55 (Round) Meters 2 3/8" outside diameter. Black enamel finish.**  
C11041—**9¢**  
Your Cost Each

**Additional Test Equipment**

In addition to test equipment listed, we can supply test equipment of any make you may require. Information and prices on request.

Manufacturer and Description	Mod. No.	Stock No.	Each
<b>Jackson</b>			
Audio Oscillator	652	C21785	\$86.73
Universal Multimeter	612	C21653	47.53
Dynamic Set Tester	637	C21440	60.27
<b>Meissner</b>			
"Analyst"	9-1040	C21706	96.25
<b>Precision</b>			
Tube and Set Tester	920P	C21700	64.63
Volt-Ohm Milliammeter	844P	C21656	29.06
Tube and Set Tester	910P	C21704	40.91
<b>R.C.A.</b>			
B. F. Audio Oscillator	154	C21443	57.50
AC Test Oscillator	167A	C21448	39.95
Audio Chanalyst	170	C21769	225.00
Dynamic Demonstrator III	182	C17225	85.60
Rider Chanalyst	162	C21666	107.50
Chanalyst Converter	164	C21768	55.00
<b>Readrite</b>			
5000 OPV "Big Boy"	860	C21796	19.26
DC Pocket Multimeter	738	C10514	8.08
AC-DC Pocket Multimeter	739	C10515	10.67
Tube Tester, less Compartment	432A	C21694	19.26
<b>Simpson</b>			
Volt-Ohm Milliammeter	260	C21713	32.58
<b>Supreme</b>			
Tube, Battery, Set Tester	599P	C21754	48.95
Tube, Battery, Set Tester	504A	C21678	81.83
"Audolyzer" Signal Tracer	562	C21683	97.95
"Vedolyzer" Signal Tracer	560A	C21684	160.67
Metered Signal Generator	561	C21717	105.35
Electronic Multimeter	549P	C21760	52.87
<b>Triplet</b>			
Dynamic Tube Tester	1213	C21488	23.72
Portable Multimeter dual-type meter	1200A	C21480	23.56
Same as above, but 5000 OPV	1200C	C21559	35.28
Like 1200A, but 25,000 OPV	1200E	C21560	31.36
Push-Button 25,000 OPV Multimeter	1200F	C21792	30.03
Portable Signal Generator	1232A	C21478	32.18
Portable Appliance Tester	1270A	C21791	32.18
Pocket Multimeter, 1000 OPV	666	C10472	15.09
Same, but voltages to 5000 Volts	666H	C10475	15.65
Portable, 10,000 OPV Multimeter	625T	C10480	21.56
DeLux Tube Tester	1621	C21748	37.57
Case to make above portable		C21749	5.39
Like 1621 but with 7" meter	1620	C21750	40.81
<b>Weston</b>			
Portable Tube and Battery Tester	777-1	C21734	49.50
Same, Counter with Roll Chart	777-2	C21735	54.75
DeLux Signal Generator	776	C21648	65.25

## WESTON Model 301 3 3/8" Panel Meters



Ranges above 30 ma. are shunted and have drop of approximately 100 mv. Accuracy within 2%. Round or rectangular black bakelite cases.

**D. C. MILLIAMMETERS**

No. Round	Range	No.* Square	Your Cost
C10675	0-1	C10759	\$7.35
C10679	0-5	C10760	
C10680	0-10	C10761	
C10681	0-15	C10762	
C10685	0-50	C10763	
C10686	0-100	C10764	
C10688	0-200	C10765	
C10691	0-500	C10766	

**\$6.61**

**D. C. MICRO-AMMETERS**

C10701	0-200	C10770	
C10702	0-500	C10771	\$10.47

## A. C. VOLTMETERS Model 476—3 3/8" Diameter

Stock No.	Range	Ohms Per Volt	Your Cost
C10752	15	14	\$6.61
C10758	150	110	8.27

## Model 476—Rectangular

C10753	15	14	\$6.61
C10754	150	110	8.27

\*Case 3x3 3/8"

## I C A Universal Adapters

Adapters have all terminals brought out for rapid connections.

C11630	1-Prong	
C11631	5-Prong	
C11632	6-Prong	
C11633	7-Prong	
C11634	8-Prong (octal)	26c

**21¢**

## READRITE D. C. Pocket Meters

Convenient and reliable. For radio, electrical and hearing aid devices. 1" prods. Test all batteries.

Stk. No.	Range, D.C.	Each
C11021	40 Amperes	65c
C11036	0-5-50 Volts	82c
C11037	50 Volts	65c
C11038	5 Volts	65c
C11039	40 Amperes and 50 Volts	97c
C11040	Storage Battery Tester	65c
C11043	"A" Battery Tester (3 volts)	97c
C11044	0-1 1/2-50 Volts	82c
C11045	0-1 1/2-90 Volts	97c
C11046	0-90 Volts	82c
C11047	0-7 1/2-90 Volts	97c
C11048	0-10-100 Volts	97c

**NOTE**  
All meters and test equipment listed in this catalog are available on priority only. To expedite delivery on your orders, please include your highest authorized preference rating.



# CORNELL-DUBILIER

## Type 86 Porcelain Cased Mic



Hermetically sealed in porcelain containers and provided with binding post terminals on stand-offs. Mounting feet on base. Low r.f. resistance: capacity remains constant at

high frequencies and temperatures. Mounting centers  $3\frac{1}{4}$ " apart.  $3\frac{3}{4}$ " overall height,  $2\frac{3}{8}$ " deep.  
No. Mfd. D.C. Volts Each  
C4144 .0001 12,500 \$3.53  
C4145 .00025 12,500 3.88  
C4154 .00005 12,500 3.88  
C4146 .0005 7,000 3.18  
C4147 .001 3,500 3.18  
C4140 .001 12,500 3.88  
C4148 .0015 12,500 4.59  
C4155 .002 3,500 3.88  
C4149 .002 7,000 4.59  
C4141 .002 12,500 5.29  
C4142 .005 10,000 7.06  
C4152 .01 3,500 7.06

## C-D "Silver Mikes"



Designed for use in electronic circuits where frequency stability must be maintained. Molded in low-loss red bakelite and provided with tinned brass wire leads. All units rated 500 volts d.c. working, 1000 volts d.c. test except on capacities higher than .0025 which are rated at 300 V. d.c. wkg., 600 volts d.c. test.

### Type B— $\frac{1}{16} \times 1\frac{1}{16}$ "

No.	Mfd.	Each	No.	Mfd.	Each
C1351	.000005	35c	C1386	.00015	35c
C1352	.00001	29c	C1387	.0002	35c
C1353	.000025	29c	C1388	.00025	35c
C1371	.00004	29c	C1389	.0003	53c
C1383	.00005	29c	C1390	.0004	53c
C1384	.00007	29c	C1391	.0005	53c
C1385	.0001	29c			

### Type A— $\frac{3}{4}$ " Square

No.	Mfd.	Each	No.	Mfd.	Each
C1392	.001	88c	C1396	.003	\$1.59
C1393	.0015	\$1.06	C1397	.004	1.68
C1394	.002	1.06	C1398	.005	1.76
C1395	.0025	1.41			

## C-D Molded Mic



Compact mica condensers in molded bakelite housings. With wire leads. Individually tested; will give dependable service. Type 1W (fig. A) is  $\frac{3}{16} \times \frac{3}{16}$ "; type 5W (fig. B) are only  $\frac{1}{16} \times \frac{1}{16}$ ". All are 1000 volts test, 500 volts DC working except sizes higher than .003 mfd. which are 600 volts test, 300 volts DC working.

No.	Mfd.	Fig.	Each
C1355	.00001	B	15c
C1356	.00002	B	15c
C1357	.000025	B	15c
C1358	.00005	B	12c
C1359	.0001	B	12c
C1360	.00015	B	12c
C1361	.0002	B	12c
C1362	.00025	B	15c
C1363	.0005	B	15c
C1364	.001	A	18c
C1366	.002	A	24c
C1367	.003	A	29c
C1372	.004	A	32c
C1373	.005	A	35c
C1374	.006	A	44c
C1377	.01	A	53c

To expedite delivery on your orders, please include highest priority.

## "DYR" By-Pass Units

Dykanol "A" oil filled. Drawn metal cans. Low power factor. Hermetically metal sealed. Non-Corrosive metal containers.



600 V. D.C.			1000 V. D.C.		
Stock No.	Your Cost	Cap. Mfd.	Stock No.	Your Cost	
C3011	\$1.23	.1	C3035	\$1.32	
C3012	1.29	.25	C3036	1.35	
C3014	1.59	1.0	C3037	1.94	
C3015	2.12	2.0			
C3007	1.56	.1-1	C3038	1.65	
C3008	1.82	.5-5	C3039	2.29	
C3009	1.76	.1-1-1			

## "FA" High Capacity Low Voltage Units



For motion picture sound equipment, "A" battery power supplies, etc. In round aluminum cans with lug terminals on molded bakelite covers. External cardboard sleeve provided.

No.	Mfd.	Volts	Size	Each
C2560	1000	12	$1\frac{3}{8} \times 3\frac{3}{8}$ "	\$1.76
C2561	1500	12	$1\frac{3}{8} \times 4\frac{1}{8}$ "	2.12
C2562	2000	12	$1\frac{3}{8} \times 4\frac{1}{8}$ "	2.29
C2563	1000	18	$1\frac{3}{8} \times 3\frac{3}{8}$ "	2.12
C2564	2000	18	$1\frac{3}{8} \times 4\frac{1}{8}$ "	2.82
C2565	2000	25	$1\frac{3}{8} \times 4\frac{1}{8}$ "	4.23
C2566	1000	35	$1\frac{3}{8} \times 4\frac{1}{8}$ "	2.82

## CORNELL-DUBILIER X'mitting Mic

Type 4 Moulded in bakelite; mechanically strong; special impregnation; high insulation resistance. No magnetic material—reduces losses at all frequencies. Short, heavy terminals—minimum R.F. and contact resistance. India Mica of gauged thickness. Used for grid and plate blocking purposes.

### Type 4

600 V. Wkg. 1000 V. Test			
Stock No.	Cap. Mfd.	C.D. No.	Your Cost
C4156	.00005	4-14050	\$0.35
C4157	.0001	4-13010	.35
C4158	.0002	4-13020	.35
C4159	.00025	4-13025	.35
C4160	.0005	4-13050	.35
C4161	.001	4-12010	.38
C4162	.002	4-12020	.41
C4163	.006	4-12060	.62
C4164	.01	4-11010	.82
C4165	.02	4-11020*	1.12
C4166	.03	4-11030*	1.25

1200 V. Wkg. 2500 V. Test			
Stock No.	Cap. Mfd.	C.D. No.	Your Cost
C4168	.0001	4-23010	\$0.50
C4169	.00025	4-23025	.50
C4170	.0005	4-23050	.50
C4171	.001	4-22010	.57
C4172	.002	4-22020*	.57
C4173	.005	4-22050*	1.23
C4174	.01	4-21010*	2.00

2500 V. Wkg. 5000 V. Test			
Stock No.	Cap. Mfd.	C.D. No.	Your Cost
C4175	.0001	4-53010	\$0.65
C4176	.0002	4-53020	.76
C4177	.00025	4-53025	.76
C4178	.0005	4-53050	.91
C4179	.001	4-52010	1.06
C4180	.002	4-52020*	1.59
C4181	.004	4-52040*	2.23
C4182	.005	4-52050*	2.41

All thicknesses  $\frac{1}{16}$ ", except \*— $\frac{7}{16}$ ".  
Type 15L Mic  
Standard Capacity Tolerance  $\pm 5\%$ . In Low-Loss Case.

Stock No.	C.D. No.	Cap. Mfd.	Test V.	Your Cost
C4225	583-15L	.0001	3000	\$6.35
C4226	582-15L	.0002	3000	6.35
C4227	641-15L	.0004	3000	6.35
C4228	642-15L	.0005	3000	6.35
C4229	581-15L	.001	3000	6.35
C4230	726-15L	.002	3000	6.35
C4231	699-15L	.004	2000	6.35
C4232	725-15L	.005	2000	6.35
C4233	580-15L	.006	2000	6.35
C4234	677-15L	.01	1000	6.35
C4235	723-15L	.02	1000	6.76

## "TLA" DYKANOL "A" Filter Capacitors

In Sealed aluminum containers  $4\frac{1}{2} \times 1\frac{1}{2}$ " (2 mfd. 600 v. and 1 mfd. 1000 v. are  $2\frac{3}{8}$ " high). Mount in any position. Dykanol dielectric.



No.	Cap. Mfd.	Wkg. V.	Each
C4195	2	600	\$1.94
C4196	4	600	2.65
C4197	1	1000	1.76
C4198	2	1000	2.35
C4199	1	1500	2.35

## "BRH" High Capacity Low Voltage Units



Etched foil electrolytic capacitors that are widely employed in portable radio power rectifying circuits, electric fence devices, etc. In drawn aluminum cans with cardboard sleeves. Center mounting strap.

No.	Mfd.	Volts	Size	Each
C2567	100	6	$5\frac{1}{8} \times 1\frac{1}{16}$ "	\$0.53
C2568	500	6	$5\frac{1}{8} \times 2\frac{1}{8}$ "	.88
C2569	1000	6	$5\frac{1}{8} \times 2\frac{1}{8}$ "	1.23
C2573	1500	6	$5\frac{1}{8} \times 2\frac{1}{8}$ "	1.59
C2574	2000	6	$5\frac{1}{8} \times 2\frac{1}{8}$ "	1.94
C2575	100	12	$5\frac{1}{8} \times 1\frac{1}{16}$ "	.59
C2577	500	12	$5\frac{1}{8} \times 2\frac{1}{8}$ "	1.06
C2578	100	15	$5\frac{1}{8} \times 2\frac{1}{8}$ "	.62
C2579	100	25	$5\frac{1}{8} \times 2\frac{1}{8}$ "	.65
C2583	500	25	$1\frac{1}{2} \times 2\frac{1}{8}$ "	1.59
C2584	100	50	$3\frac{1}{2} \times 2\frac{1}{8}$ "	.71

## "TQ" DYKANOL "A" Oil-Filled Condensers

Designed to stand up under conditions of severe transient voltages and line surges and continuous duty operation. In cylindrical aluminum containers, with 2 insulated terminals and universal m'tg. bracket. May be mounted in any position.



No.	Mfd.	Wkg. V.	Dimen.	Each
C2962	2	600	$2\frac{1}{2} \times 2$	\$2.35
C2963	4	600	$2\frac{1}{2} \times 2$	3.17
C2964	1	1000	$1\frac{1}{2} \times 2$	1.94
C2965	2	1000	$2\frac{1}{2} \times 2$	2.65
C2966	4	1000	$3\frac{1}{2} \times 2$	3.35
C2967	1	1500	$2\frac{1}{2} \times 2$	2.47
C2968	2	1500	$3\frac{1}{2} \times 2$	3.35
C2969	1	2000	$3\frac{1}{2} \times 2$	3.18
C2970	2	2000	$4\frac{1}{2} \times 2$	3.53
C2971	4	2000	$4\frac{1}{2} \times 3$	4.94
C2972	1	3000	$3\frac{1}{2} \times 3$	6.35
C2973	2	3000	$5\frac{1}{2} \times 3$	7.64

## "TJU" DYKANOL "A" Oil-Filled Capacitors

New universal mounting bracket makes these condensers a better buy than ever. DYKANOL filled and impregnated. Porcelain high tension terminals. Shpg. wt. 1 lb.



No.	Mfd.	Wkg. V.	Ht.	Each
C2994	1	600	$2\frac{1}{2}$ "	\$2.47
C2995	2	600	$2\frac{1}{2}$ "	3.00
C2996	4	600	$3\frac{1}{8}$ "	3.88
C2957	8	600	$3\frac{1}{8}$ "	5.64
C2997	1	1000	$2\frac{1}{2}$ "	2.65
C2998	2	1000	$4\frac{1}{2}$ "	3.53
C3004	4	1000	$4\frac{1}{2}$ "	4.41
C2958	8	1000	$4\frac{1}{2}$ "	6.35
C2959	10	1000	$4\frac{1}{2}$ "	7.06
C2999	1	1500	$4\frac{1}{2}$ "	3.18
C3000	2	1500	$4\frac{1}{2}$ "	4.41
C3005	4	1500	$4\frac{1}{2}$ "	5.88
C2960	8	1500	$4\frac{1}{2}$ "	8.82
C3001	1	2000	$3\frac{1}{8}$ "	3.88
C3003	2	2000	$4\frac{1}{2}$ "	4.59
C3021	4	2000	$3\frac{1}{8}$ "	6.35
C3019	1	3000	$3\frac{1}{8}$ "	8.53
C3020	2	3000	$4\frac{1}{2}$ "	10.58
C3022	2	5000	$6\frac{1}{2}$ "	22.64

## High Speed Photo-Flash DYKANOL Capacitor

25 mfd., rated for operation at 2000 volts D.C. Two more units may be used to provide any desired multiple of this value in the construction of speed flash lamps for making stroboscopic pictures. Sealed metal case,  $6\frac{1}{2} \times 4\frac{1}{2} \times 3\frac{1}{2}$ ".



Type KGT 6250-1 25 Mfd. 660 V. A.C.—2000 V. D.C. Peak.  
C2581—  
Your Cost **\$19.05**

## "BN" Capacitor Bridge

Measures accurately and quickly all capacitors between .0001 and 50 mfd.s. Employs Wien bridge circuit, with visual "eye" to indicate

balanced condition. Has direct reading scale, and employs 2 tubes, a 12A7 and 6AF6G. Indicates power factor, shorts, etc. In Walnut bakelite case. Dim.:  $3\frac{1}{2} \times 5\frac{1}{2} \times 3$ ". With test leads and instructions, but less tubes. For 110 V., 60 cycles. Wt. 4 lbs.  
C21728—Each..... **\$11.64**



# ALL-PURPOSE CONDENSERS



## "KR" Dry Electrolytics



Extremely compact etched foil dry electrolytics with color coded leads. May be mounted in any position—either above or below sub-panel. Seamless drawn metal can equipped with mounting nut. Furnished with long insulated, color coded leads. Dual units have separate sections. Mounting nut supplied.

**450 Volts DC Working**

Stock No.	Cap. Mfd.	Size Ins.	Your Cost
C1295	4	1 x2 1/2	62c
C1296	8	1 x2 1/2	76c
C1297	12	1 x2 1/2	\$1.00
C1298	16	1 x3 1/2	1.12
C1299	4-8	1 1/2 x3	1.03
C1300	8-8	1 1/2 x3	1.15
C1354	8-16	1 1/2 x4 1/2	1.35
C1302	8-8-8	1 1/2 x4 1/2	1.65

**600 Volts D.C. Working**

Stock No.	Cap. Mfd.	Size Ins.	Your Cost
C1050	8	1 1/2 x4 1/2	\$1.85
C1051	16	1 1/2 x4 1/2	2.47

## High Voltage Dry to Replace Wet Electrolytics



High Formation—High Voltage dry electrolytics especially designed to replace wets. Designed with mounting feet for upright mounting to replace inverted can type units. Available in three universal types. The 10 mfd. dry unit will replace wet electrolytics from 4 to 12 mfd.; 20 mfd. replaces wets from 12 to 24 mfd.; 40 mfd. replaces wets from 24 to 40 mfd.

No.	Mfd.	Size	Each
C1052	10	1 1/2 x3 1/2	\$0.68
C1053	20	1 1/2 x4	.97
C1056	40	1 1/2 x4	1.18

## "UP" Dry Electrolytics



Smallest can type dry electrolytics. Hermetically sealed in aluminum cans with terminal lugs on bakelite insulating cover. Can negative. Projecting tongues for vertical mounting on chassis or bakelite mounting plate. Tongues have wire holes. Feature low leakage and power factor, dependable operation over wide temperature range.

No.	Mfd.	Vlts.	In.	Each
C1150	10	450	1x2	\$0.53
C1151	20	450	1x2	.79
C1152	40	450	1x3	1.15
C1153	20-20	150	1x2	.71
C1154	30-30	150	1x2	.79
C1149	50-50	150	1x3	.94
C1155	20-20	250	1x2	.79
C1156	10-10	450	1x2	.85
C1209	50-50/20	150/25	1x3	1.03
C1160	10-10/20	450-350/25	1x2	.85

**C1170**—Bakelite mounting plate for 1" cans. Each .3c

## "DA" Metal Cased Paper By-Pass Condensers



Non-inductively wound. Wax impregnated and oil cooled. Lug terminals.

**400 Volts D.C. Wkg.**

No.	Mfd.	L x W x T	Each
C1277	1	1 1/2 x1 x 3/4	\$0.47
C1278	25	1 1/2 x1 x 3/4	.53
C1279	5	1 1/2 x1 x 3/4	.68
C1342	1.0	2 x1 1/2 x 1 1/2	.88
C1343	2.0	2 x2 x1 1/2	1.12
C1344	1-1	1 1/2 x1 1/2 x 1 1/2	.59
C1345	.25-25	2 x1 1/2 x 1 1/2	.71
C1346	.5-5	2 x1 1/2 x 1 1/2	.88

**600 Volts D.C. Wkg.**

No.	Mfd.	Size	Each
C1348	.5	2 x1 1/2 x 1 1/2	.85
C1350	1.0	2 x2 x1 1/2	1.06

## "BLUE BEAVER" Type BR Dry Electrolytics



Extremely small and very handy to use. Feature: **Electro-Chemical etching** that eliminates corrosion; **Hi-Formation Process** that affords higher voltage breakdown; **Hi-Pressure Centrifuge** that provides better impregnation and gives a lower power factor.

No.	Mfd.	Wkg. Vlts.	In.	Each	No.	Mfd.	Wkg. Vlts.	In.	Each
C1090	10	25	3/8 x 1 1/4	29c	C1104	40	150	3/8 x 2	50c
C1091	20	25	3/8 x 1 1/4	32c	C1105	4	250	3/8 x 1 1/4	32c
C1092	25	25	3/8 x 1 1/4	35c	C1106	8	250	3/8 x 1 1/4	35c
C1093	50	25	3/8 x 1 1/4	44c	C1107	12	250	3/8 x 2	47c
C1094	5	50	3/8 x 1 1/4	29c	C1108	16	250	3/8 x 1 1/4	53c
C1095	10	50	3/8 x 1 1/4	32c	C1109	20	250	3/8 x 1 1/4	59c
C1096	20	50	3/8 x 1 1/4	35c	C1110	-40	250	3/8 x 2 1/2	68c
C1097	25	50	3/8 x 1 1/4	41c	C1111	4	450	3/8 x 1 1/4	41c
C1098	50	50	3/8 x 1 1/4	50c	C1112	8	450	3/8 x 2	44c
C1099	4	150	3/8 x 1 1/4	29c	C1113	12	450	3/8 x 2	53c
C1100	8	150	3/8 x 1 1/4	32c	C1114	16	450	3/8 x 2 1/2	65c
C1101	12	150	3/8 x 1 1/4	35c	C1115	20	450	1 x 2 3/4	71c
C1102	16	150	3/8 x 1 1/4	41c	C1055	30	450	1 x 3	85c
C1103	20	150	3/8 x 1 1/4	44c	C1116	8	500	3/8 x 1 1/4	62c
C1054	30	150	3/8 x 2	47c	C1117	16	500	1 x 2 1/2	94c

**"BRL" Dual Beavers (Com. Neg.)**  
Dual "Beavers" with common negative. Provided with sturdy center mounting strap; only one screw mounts to chassis. With long color-coded leads.

No.	Mfd.	Wkg. Vlts.	In.	Each	No.	Mfd.	Wkg. Vlts.	In.	Each
C1118	5-5	25	3/8 x 1 3/4	44c	C1124	20-20	150	3/8 x 2 1/2	76c
C1119	10-10	25	3/8 x 1 3/4	50c	C1125	8-16	250	3/8 x 2 1/2	76c
C1120	5-5	50	3/8 x 1 3/4	53c	C1126	16-16	250	1 x 2 3/4	88c
C1121	10-10	50	3/8 x 1 3/4	59c	C1127	8-8	450	1 x 2 3/4	76c
C1122	8-8	150	3/8 x 2 1/4	59c	C1128	8-16	450	1 1/2 x 3 1/4	97c
C1123	8-16	150	1 1/2 x 2 1/4	62c					

## Type BRS Dual Beavers (Common Positive)

No.	Mfd.	Wkg. Vlts.	In.	Each	No.	Mfd.	Wkg. Vlts.	In.	Each
C1200	4-8	150	3/8 x 2 1/2	68c	C1204	16-16	150	1 x 2 1/2	88c
C1201	8-8	150	1 1/2 x 2 1/2	71c	C1205	20-20	150	1 1/2 x 2 1/2	97c
C1202	4-12	150	1 1/2 x 2 1/2	71c	C1207	30-10	150	1 1/2 x 2 1/2	97c
C1203	8-16	150	1 1/2 x 2 1/2	79c	C1208	30-20	150	1 x 2 1/2	\$1.00

## General Electric Industrial Capacitors



No.	Mfd.	W.V.	Size	Each
C3768	1	800	3 1/4 x 1 x 2 3/4	\$2.20
C3769	2	800	4 1/2 x 1 x 2 3/4	2.70
C3770	4	600	4 1/2 x 1 1/2 x 3 1/2	3.47
C3753	1	1000	3 1/4 x 1 x 2 3/4	2.35
C3754	2	1000	5 1/2 x 1 x 2 3/4	3.18
C3755	4	1000	5 1/2 x 1 1/2 x 3 1/2	3.97
C3756	1	1500	5 1/2 x 1 x 2 3/4	2.85
C3757	2	1500	5 1/2 x 1 1/2 x 3 1/2	3.97
C3758	4	1500	5 1/2 x 1 1/2 x 4 1/2	5.41
C3759	1	2000	4 1/2 x 1 1/2 x 3 1/2	3.50
C3760	2	2000	5 1/2 x 1 1/2 x 4 1/2	4.12
C3654	4	2000	5 1/2 x 2 1/2 x 5	5.73
C3651	1	3000	5 1/2 x 2 1/2 x 5	7.59
C3652	2	3000	6 1/2 x 2 1/2 x 5	9.53
C3653	4	3000	6 1/2 x 3 1/2 x 5	13.99

**Pyranol filled high voltage capacitors** in hermetically sealed metal containers with pre-mounted rigid base brackets. Porcelain insulators.

## SANGAMO X'mitting Micas Type A-2

For low and high power transmitters, power supplies, power amplifiers, etc. Employ the finest dry mica dielectric. Completely cased in molded bakelite housings with tapped 6/32 screw terminals on each end. Size: 1 3/4" long, 1/2" thick and 1 1/8" wide (varies slightly with capacitance.)

600 Volts Wkg.			1200 Volts Wkg.			2500 Volts Wkg.		
No.	Mfd.	Each	No.	Mfd.	Each	No.	Mfd.	Each
.00005	C3051	41c	C3771	47c	C3085	59c		
.0001	C3053	41c	C3772	47c	C3077	59c		
.00015	C3054	41c	C3773	47c	C3078	65c		
.00025	C3056	41c	C3775	47c	C3079	68c		
.0005	C3060	41c	C3776	47c	C3076	82c		
.001	C3061	41c	C3777	59c	C3082	97c		
.002	C3064	44c	C3779	88c	C3081	\$1.47		
.005	C3069	56c	C3782	\$1.15	C3763	2.15		
.006	C3070	65c	C3783	1.15	C3764	2.26		
.01	C3073	91c	C3784	1.82	C3765	2.68		
.02	C3766	\$1.21	C3845	2.56				

## SANGAMO Economy Micas Type BE-2 1/4 x 1"

Cap. Mfd.			Voltages given are D.C. Test Volts					
No.	Mfd.	Each	1000 V.	Each	2500 V.	Each	5000 V.	Each
.00005	C3600	32c	C3609	44c	C3617	44c		
.0001	C3601	32c	C3610	44c	C3618	44c		
.00025	C3601	32c	C3611	44c	C3619	47c		
.0005	C3602	32c	C3612	47c	C3620	56c		
.001	C3603	35c	C3613	53c	C3621	65c		
.002	C3604	38c	C3614	53c	C3622	97c		
.005	C3606	50c	C3625	\$1.00				
.006	C3607	56c						
.01	C3608	65c	C3624	\$1.47				
.02	C3623	97c						

## INDUSTRIAL NOTE

In addition to the Cornell-Dubilier capacitors listed on these pages, we can supply all of the types manufactured by C-D for radio, electronic and industrial uses. Consult us if you have some special capacitor problem. Very often we are in a position to recommend a more efficient and effective solution to your problem at considerable saving in time and money.

## "DT" Paper Tubulars

Halowax impregnated, laminated multi-laminated Kraft tissues, Wax impregnated tube, wax-potted ends, oil-cooled. Conservative D.C. Wkg.

**400 Volts D.C. Wkg.**

No.	Mfd.	Each	No.	Mfd.	Each
C1221	.01	12c	C1228	.06	15c
C1222	.015	12c	C1229	.1	15c
C1223	.02	12c	C1230	.2	18c
C1224	.025	12c	C1231	.25	18c
C1225	.03	12c	C1232	.5	27c
C1226	.04	12c	C1233	1.0	35c
C1227	.05	12c			

**600 Volts D.C. Wkg.**

No.	Mfd.	Each	No.	Mfd.	Each
C1234	.0001	12c	C1247	.02	12c
C1235	.00025	12c	C1249	.03	15c
C1237	.001	12c	C1250	.04	15c
C1238	.002	12c	C1251	.05	15c
C1240	.004	12c	C1252	.06	18c
C1241	.005	12c	C1253	.1	18c
C1242	.006	12c	C1255	.25	27c
C1245	.01	12c	C1257	.5	35c

## 1600 Volts D.C.

Oil impregnated units especially designed for auto radio use.

No.	Mfd.	Each	No.	Mfd.	Each
C1262	.005	27c	C1270	.03	27c
C1264	.007	27c	C1271	.04	29c
C1266	.01	27c			
C1268	.02	27c			

## "EZ" Universal Mtg. Dry Electrolytics

Popular low cost replacements. Have feet to replace inverted can or spade lug types, or can be used beneath chassis by means of the center strap. Unused mountings can easily be cut off. Sealed

in moisture-proof cardboard tubes, with 8" leads.

No.	Mfd.	Vlts.	Size	Each
C1326	16	250	1 x 2 1/2	\$0.53
C1327	8	450	3/8 x 2 1/2	.44
C1328	16	450	1 1/2 x 2 1/2	.65

## Dual Units, Common Neg.

No.	Mfd.	Vlts.	Size	Each
C1215	30-30	150	1 x 2 3/4	1.03
C1216	50-50	150	1 x 3 1/2	1.18
C1198	8-8	450	1 x 3 1/2	.76

## Dual Units, Sep. Sections

No.	Mfd.	Vlts.	Size	Each
C1217	16-16	290	1 1/2 x 3 1/2	1.18
C1218	16-16	350	1 1/2 x 4 1/2	1.29
C1329	8-8	450	1 1/2 x 3	.97
C1330	8-16	450	1 1/2 x 3 1/2	1.18
C1331	16-16	450	1 1/2 x 4 1/2	1.41

## Triple Units, Common Neg.

No.	Mfd.	Vlts.	Size	Each
C1258	24-16, 20	150, 25	1 x 3	1.03
C1332	30-10, 20	150, 25</		

# AEROVOX Dependable Quality CONDENSERS



## "09" Series

Compact high voltage units hermetically sealed in welded steel cans. "Hyvol" filled. Universal mounting bracket that permits either upright or inverted mtg. **Sizes to 5000 V. available on special order.**

Stock No.	Cap. Mfd.	Wkg. Vts.	Size In.	Your Cost
C4527	2	600	3 1/4 x 1 1/2 x 1 1/8	\$ 3.00
C4528	4	600	3 1/4 x 2 1/2 x 1 1/8	3.88
C4529	1	1000	2 1/2 x 1 1/2 x 1 1/8	2.65
C4530	2	1000	3 7/8 x 1 1/2 x 1 1/8	3.53
C4531	4	1000	4 5/8 x 2 1/2 x 1 1/8	4.41
C4532	1	1500	4 x 1 1/2 x 1 1/8	3.17
C4533	2	1500	4 1/2 x 2 1/2 x 1 1/8	4.41
C4534	4	1500	4 5/8 x 3 3/8 x 1 1/8	6.00
C4535	1	2000	3 1/2 x 2 1/2 x 1 1/8	3.88
C4536	2	2000	3 7/8 x 3 3/8 x 1 1/8	4.59
C4826	4	2000	3 7/8 x 3 3/8 x 2 1/8	6.35
C4830	2	2500	4 5/8 x 3 3/8 x 1 1/8	9.17
C4825	2	3000	4 1/2 x 3 3/8 x 2 1/8	10.58

## Drawn Metal Case Oil-Filled Condensers



Non-inductive paper sections encased in one-piece drawn, hot-tinned brass case with soldered bottom plate which hermetically seals the capacitor. Are both oil-impregnated and oil-filled. Riveted lug terminals. 3/8" mtg. ears. In addition to the sizes listed below we can also furnish units with 200V. and 400V. DC working voltages. Other capacities are also available on order; prices on request. **600V. D.C. Wkg. Type 630.**

Single Section			
Stock No.	Cap. Mfd.	Size Inches	Your Cost
C3637	.1	1 1/2 x 1 1/2 x 1 1/8	\$1.23
C3638	.25	1 1/2 x 1 1/2 x 1 1/8	1.29
C3639	.5	2 1/2 x 1 1/2 x 1 1/8	1.38
C3640	1.0	2 x 2 1/2 x 1 1/8	1.59

Dual Section			
Stock No.	Cap. Mfd.	Size Inches	Your Cost
C3641	-1.1	1 1/2 x 1 1/2 x 1 1/8	\$1.56
C3642	.25-.25	2 1/2 x 1 1/2 x 1 1/8	1.59
C3643	-5.5	2 x 2 1/2 x 1 1/8	1.82

## Rectangular-Can Oil-Filled Condensers



Upright corrosion-proof metal containers hermetically solder-sealed. Special immersion-proof terminals. Especially designed for aircraft and marine installations where compactness and minimum weight are essential. Ideal for use wherever severe atmospheric and climatic conditions are encountered.

Type 416 400V. D.C. Wkg.			
Stock No.	Cap. Mfd.	Size In.	Your Cost
C3629	.25	1 1/2 x 1 1/2 x 1 1/8	\$1.35
C3630	.5	1 1/2 x 1 1/2 x 2 1/8	1.38

Type 616 600V. D.C. Wkg.			
Stock No.	Cap. Mfd.	Size In.	Your Cost
C3633	.1	1 1/2 x 1 1/2 x 1 1/8	\$1.35
C3634	.25	1 1/2 x 1 1/2 x 1 1/8	1.38
C3635	.5	1 1/2 x 1 1/2 x 2 1/8	1.41

J Type 1016 1000V. D.C. Wkg.			
Stock No.	Cap. Mfd.	Size In.	Your Cost
C3627	.05	1 1/2 x 1 1/2 x 1 1/8	\$1.32
C3628	.1	1 1/2 x 1 1/2 x 1 1/8	1.38
C3631	.25	1 1/2 x 1 1/2 x 1 1/8	1.41
C3632	.5	1 1/2 x 1 1/2 x 2 1/8	1.53



## "05" Series

"Hyvol" filled and impregnated units in round aluminum cans provided with terminals mounted on high voltage stand-off insulators. Hermetically sealed. All mount either upright or inverted; mounting ring is furnished. All constructionally rated.

Stock No.	Cap. Mfd.	Wkg. Vts.	Size In.	Your Cost
C4819	1.0	600	2 x 2 3/4	\$1.76
C4820	2.0	600	2 x 2 3/4	2.29
C4821	4.0	600	2 x 3 3/4	3.17
C4793	1.0	1000	2 x 3 3/4	1.94
C4794	2.0	1000	2 x 3 3/4	2.65
C4795	4.0	1000	2 1/2 x 3 3/4	3.35
C4796	1.0	1500	2 x 3 3/4	2.47
C4797	2.0	1500	2 x 3 3/4	3.35
C4822	4.0	1500	2 1/2 x 3 3/4	4.23
C4798	1.0	2000	2 x 3 3/4	3.17
C4799	2.0	2000	2 x 3 3/4	4.23
C4827	1.0	2500	2 x 3 3/4	4.23
C4828	2.0	2500	2 1/2 x 3 3/4	7.06
C4823	1.0	3000	2 1/2 x 3 3/4	6.35
C4561	2.0	3000	3 x 3 3/4	7.76

## AEROVOX "10" Series

Hyvol filled inverted aluminum cans 1 1/2" diam. Hermetically sealed. With insulated washer.

Stock No.	Cap. Mfd.	Wkg. Vts.	Your Cost
C4519	2.0	600	\$1.94
C4520	3.0	600	2.29
C4521	4.0	600	2.65
C4522	1.0	1000	1.76
C4523	2.0	1000	2.29
C4524	0.5	1500	2.11
C4525	1.0	1500	2.29



## AeroVox 1000 V. Condensers

Compact wax-filled and impregnated units in rust-proof metal cans 2" high, 1 1/2" wide. -1000 V. Wkg. Wt. 2 lbs.

No.	Mfd.	Depth	Each
C5046	.5	1 1/2"	\$1.06
C5047	1.0	1 1/2"	1.47
C5048	2.0	2 1/2"	2.26
C5049*	4.0	2 3/4"	3.65

\*2 3/8" wide.



## Commercial Grade Capacitors

We can also furnish the extra-heavy-duty commercial grade capacitors as used by the Army, Navy and commercial communication companies. **AeroVox Transmitting Catalog FREE** only to professional radio and electronic engineers. Write on business letterhead.

**C19668—FREE** on request.



## AEROVOX Paper Tubulars



Non-inductively wound paper tubulars. Fully wax impregnated. All have pigtail wire leads.

400 Volts Working			
No.	Mfd.	Each	No. Mfd. Each
C4731	.01		C4737 .1 15c
C4733	.02	<b>12c</b>	C4739 .25 18c
C4734	.03		C4741 .5 26c
C4735	.05		C4742 1.0 35c

600 Volts Working			
No.	Mfd.	Each	No. Mfd. Each
C4746	.001		C4754 .02 12c
C4747	.002		C4755 .03 15c
C4748	.003		C4756 .05 15c
C4749	.005	<b>12c</b>	C4758 .1 18c
C4750	.006		C4760 .25 26c
C4752	.01		C4762 .5 35c
C4753	.015		

1000 Volts Working			
No.	Mfd.	Each	No. Mfd. Each
C4766	.001		C4772 .01 24c
C4767	.002	<b>15c</b>	C4774 .02 24c
C4768	.003		C4776 .05 26c
C4769	.005		C4778 .1 35c
C4770	.006		

## VIBRATOR TUBULARS

Paper type, rated at 1600 volts wkg.

No.	Mfd.	Size	Each	No.	Mfd.	Size	Each
C4779	.01	2 1/2 x 1 1/2	27c	C4782	.04	1 1/2 x 2	29c
C4780	.02	3/8 x 2	27c	C4783	.05	1 1/2 x 2	32c
C4781	.03	3/8 x 2	29c				



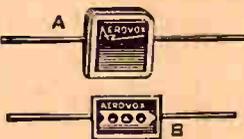
## Oil Filled and Oil Impregnated Tubulars

2000 volts wkg. Ideal for vibrators and x'mitters.

No.	Mfd.	Size	Each	No.	Mfd.	Size	Each
C4833	.0075	1 1/2 x 1 1/2	53c	C4837	.03	1 1/2 x 2 1/2	56c
C4834	.01	1 1/2 x 1 1/2	53c	C4838	.04	1 1/2 x 2 1/2	56c
C4835	.015	1 1/2 x 2 1/2	53c	C4839	.05	1 1/2 x 2 1/2	59c
C4836	.02	1 1/2 x 2 1/2	53c				

**FREE:** An informative, practical engineering paper, issued monthly, the AEROVOX RESEARCH WORKER. Servicemen, engineers, hams, and other interested radio workers need only write us today—names will be placed on the mailing list immediately.

## AEROVOX Silver Micacs



Enclosed in molded XM bakelite housings and provided with pigtail leads. Features: only plus .0022 per degree F. temperature coefficient; high "Q"; no capacity drift with time 1000 volts test, 500 working. Tolerance ±5%.

Type 1469—Fig. B, 7/16 x 1 1/8"

C5071	.000005	35c	C5079	.00015	35c
C5072	.00001	29c	C5080	.0002	35c
C5073	.000025	29c	C5081	.00025	35c
C5074	.00004	29c	C5082	.0003	53c
C5075	.00005	29c	C5083	.00035	53c
C5076	.00007	29c	C5084	.0004	53c
C5077	.000075	29c	C5085	.0005	53c
C5078	.0001	29c			

Type 1464—Fig. A, 3/8" Square

C5086	.00075	71c	C5090	.0025	\$1.41
C5087	.001	88c	C5091	.003*	1.59
C5088	.0015	\$1.06	C5092	.004*	1.68
C5089	.002	1.06	C5093	.005*	1.76

\*600 volts test, 300 working.

## AEROVOX Midget Micacs



1000 V. Test, 500 V. Wkg.

Type 1467 (A) "Postage Stamp" Micacs only 3/8" square. Bakelite case. Type 1468 (B) ultra-tiny units in bakelite cases only 1/8 x 3/16".

"A"				"B"				
No.	Mfd.	Each	No.	Mfd.	Each	No.	Mfd.	Each
...	.00004	12c	C3417	C4623	.0005	15c	C3427	
...	.00005	12c	C3420	C4624	.001	18c	C3428	
...	.00007	12c	C3421	C4625	.002	24c		
...	.000075	12c	C3422	C4626	.003	29c		
...	.0001	12c	C3423	C4627	.004*	32c		
...	.00015	12c	C3424	C4628	.005*	35c		
...	.0002	12c	C3425	C4629	.006*	44c		
...	.00025	15c	C3426	C4630	.01*	53c		

Sizes marked \*are 600 v. test, 300 v. working.



## Type 1450 Micacs

High quality bakelite cased micacs, all 1 1/4" square. Lug terminals. 1000 v. test, 500 wkg.

No.	Mfd.	Each	No.	Mfd.	Each
C4601	.00005	26c	C4608	.002	32c
C4602	.0001	26c	C4609	.003	41c
C4603	.0002	26c	C4610	.004	41c
C4604	.00025	26c	C4611	.005	41c
C4605	.0005	26c	C4612	.006	47c
C4606	.001	29c	C4613	.01	59c
C4607	.0015	32c	C4614	.02*	85c

\*600 v. test, 300 v. working.

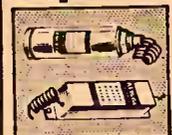
## AEROVOX UNCASED Replacement Units

Non-inductively wound high grade uncased sections, neatly shaped and wrapped in black varnish paper with ends sealed with pitch. Provided with insulated wire leads, 8" long. Designed for replacement use in filter block repair work. In two popular sizes; two standard working voltages. Shpg. wt. each 1 lb.



400 Wkg. Volts D.C.				600 Wkg. Volts D.C.				
No. Mfd.	Size	Each	No. Mfd.	Size	Each	No. Mfd.	Size	Each
C3412	1 2	1 1/2 x 1 1/2	53c	C3414	1 3 1/2	1 1/2 x 1 1/2	65c	
C3413	2 3 1/2	1 1/2 x 1 1/2	82c	C3415	2 3 1/2	1 1/2 x 1 1/2	97c	

## Paper Condensers to Replace Dry Electrolytics



Paper wound units in round metal cans or flanged cardboard containers to replace dry electrolytics rated up to 600 volts. Extremely low power factor and leakage. Leads.

Series PWC—Round Metal Cans 4 1/2" H.				
Stock No.	Replaces	Actual Cap. Mfd.	Dim. In.	Your Cost
C5065	4	2	1 1/2"	\$0.97
C5066	8	2.75	1 1/2"	1.23
C5067	8-8	1.75-1.75	1 1/2"	2.00

Series PWP—Cardboard Cases 4 1/2" L.				
Stock No.	Replaces	Actual Cap. Mfd.	Dim. In.	Your Cost
C5068	4	2	1 1/2 x 1 1/2"	.85
C5069				





# TRUTEST CONDENSERS

## Dry Electrolytic Filter Condensers



In heavy cardboard containers, with heavy wax impregnation. 525 volt surge, 450 volts d.c. working voltage. Equipped with 6 leads and mtg. flanges. Perfectly sealed; moisture proof.

No.	Mfd.	Inches	Each
C3351	2	2 1/2 x 1 3/4 x 1 3/4	31c
C3346	4	4 1/2 x 1 1/2 x 1 1/2	40c
C3348	8	4 1/2 x 1 1/2 x 1 1/2	46c
C3349	10	4 1/2 x 1 1/2 x 1 1/2	62c
C3350	12	4 1/2 x 1 1/2 x 1 1/2	70c
C3352	16	4 1/2 x 1 1/2 x 1 1/2	77c

## Multiple Units

All 525-volt surge, 450 working. 4 1/2" high. Separate sections.

No.	Mfd.	Inches	Each
C3337	4-4	1 1/2 x 1 1/2	64c
C3339	4-8	1 1/2 x 1 1/2	73c
C3342	8-8	1 1/2 x 1 1/2	79c
C3366	8-8-8	2 x 1 1/2	\$1.17

## TRUTEST "Tiny Mikes"

450 V. Wkg. 525 V. Peak



## Special Compact Filters For AC-DC Receivers

Tiny dry electrolytics in rectangular cardboard cartons with insulated wire leads. All have metal tabs for quick, easy mounting. Cartons are fully wax impregnated so as to be impervious to moisture. Conservatively rated at 450 volts d.c. wkg., 525 volts surge. Ideal for universal replacement purposes.

## All Units Only 2 1/2" Long

Stock No.	Cap. Mfd.	Size In.	Your Cost
C3258	2	3/4 x 1/2 x 2 1/2	\$0.35
C3259	4	3/4 x 1/2 x 2 1/2	.40
C3265	8	3/4 x 1/2 x 2 1/2	.51
C3266	10	1 1/4 x 1/2 x 2 1/2	.62
C3267	12	1 1/4 x 1/2 x 2 1/2	.70
C3268	16	1 1/4 x 1/2 x 2 1/2	.77
C3273* 4-4		1 1/4 x 1/2 x 2 1/2	.64
C3274* 8-8		1 1/4 x 1/2 x 2 1/2	.79
C3303 8-8-8		1 1/4 x 1/2 x 2 1/2	1.10

\*—4 leads; separate sections.

## "600" V. Surge 475 V. Wkg. Units

No.	Mfd.	W. T.	Each
C3206	2	1 1/2 x 1 1/2	51c
C3207	4	1 1/2 x 1 1/2	59c
C3209	8	1 1/2 x 1 1/2	71c

## Fully Guaranteed For 1 Year!

For best results, use TRUTEST filter and by-pass condensers. They are manufactured to conform with the highest standards—easily meet all R.M.A. quality standards. All TRUTEST Dry Electrolytics are GUARANTEED to have a power factor of from 4% to 8%; leakage less than .1 Ma. per microfarad; all capacity ratings within R.M.A. requirements.

Always specify TRUTEST CONDENSERS—the fully GUARANTEED line with a type for every service and set builder's requirement.

## "Mites" Ultra Compact Dry Electrolytic Condensers



Ultra compact units that can be used in a large percentage of radio repair requirements. Especially well suited for use in a.c.-d.c. midsets, and wherever space is limited. Self-supporting wire leads are permanently attached to the end plates. All have cardboard outer sleeves. Conservatively rated.

Stock No.	Cap. Mfd.	Wkg. Vts.	Size In.	Your Cost	Stock No.	Cap. Mfd.	Wkg. Vts.	Size In.	Your Cost
C757	10	25	5/8 x 1 1/2	22c	C766	4	450	1 1/2 x 1 1/2	29c
C758	25	25	5/8 x 1 1/2	24c	C767	8	450	1 1/2 x 1 1/2	32c
C3275	5	50	5/8 x 1 1/2	27c	C768	12	450	1 1/2 x 1 1/2	40c
C3276	10	50	1 1/4 x 1 1/2	26c	C788	16	450	1 1/2 x 2 1/2	48c
C759	25	50	1 1/4 x 1 1/2	30c	C789	20	450	1 1/2 x 2 1/2	53c
C3277	50	50	1 1/4 x 1 1/2	37c	C790*	10-10	50	3/4 x 2 1/2	43c
C760	4	150	1 1/4 x 1 1/2	22c	C3285*	8-8	150	1 1/4 x 2 1/2	44c
C761	8	150	1 1/4 x 1 1/2	24c	C3286*	12-20	150	1 1/4 x 2 1/2	51c
C762	12	150	1 1/4 x 1 1/2	26c	C3287*	20-20	150	1 1/4 x 2 1/2	55c
C763	16	150	1 1/4 x 1 1/2	30c	C791*	12-12	200	1 1/4 x 2 1/2	51c
C764	20	150	1 1/4 x 1 1/2	32c	C792*	8-16	200	1 1/4 x 2 1/2	51c
C3278	30	150	1 1/4 x 1 1/2	35c	C793*	16-16	200	1 1/4 x 2 1/2	55c
C765	40	150	1 1/4 x 1 1/2	35c	C3288*	8-16	250	3/4 x 2 1/2	58c
C3279	4	250	5/8 x 1 1/2	24c	C794*	8-8	450	1 x 2 1/2	53c
C3280	8	250	5/8 x 1 1/2	27c	C3289*	8-16	450	1 x 2 1/2	72c
C3281	12	250	5/8 x 1 1/2	35c	C3290†	20-20	150	1 x 2 1/2	73c
C3282	16	250	5/8 x 1 1/2	40c	C3294†	16-16	250	1 x 2 1/2	88c
C3283	20	250	5/8 x 1 1/2	44c	C3296†	8-8	450	1 1/4 x 3 1/2	73c
C3284	40	250	5/8 x 2 1/2	51c					

\*—3 leads; †—4 leads.

## TRUTEST Midget Paper Cartridge Condensers



Ideal for A.C.-D.C. sets or wherever space is a factor. Highest quality at lowest prices. Finest metal foil and linen paper. Hermetically sealed and impregnated. Supplied in a wide variety of capacities and working voltages to meet practically every service requirement. All provided with long tinned wire leads; units can be made self-supporting.

Stock No.	Cap. Mfd.	Work. Volts	Your Cost	Stock No.	Cap. Mfd.	Work. Volts	Your Cost
C3179	.01	400		C3185	.002	600	
C3180	.02	400	8¢	C3186	.006	600	
C3181	.05	400		C3187	.01	600	8¢
C3182	.1	400	10c	C3188	.02	600	
C3183	.25	400	12c	C3189	.05	600	10c
C3174	.5	400	17c	C3190	.1	600	12c
C3172	1.0	400	24c	C3191	.25	600	17c
C3184	.001	600	8c	C3169	.5	600	24c

Deduct 10% when ordering in lots of 10 (may be assorted).

## Shielded Paper By-Pass Bathtub Condensers

Universal mounting types. Sealed in drawn metal shield cans. Designed for long life. All are 600 volts peak.



Stock No.	Mfd.	Wkg. Volts	Each
C3263	1.0	200	55c
C3264	2.0	200	65c
C3269	.1	400	25c
C3270	.25	400	32c
C3271	.5	400	36c

## Midget Molded Micacs



★ Good Quality ★ Long Life  
Tiny mica condensers in molded bakelite housings. Provided with pigtail wire leads.

Sizes through .004 mfd. are 1000 v. test, 500 v. d.c. wkg.; above .004 mfd. are 600 v. d.c. test, 300 v. d.c. wkg.

Stock No.	Cap. Mfd.	Your Cost	Stock No.	Cap. Mfd.	Your Cost
C3438	.00001	8c	C3411	.0005	9c
C3439	.000025	8c	C3402	.0006	9c
C3403	.00005	8c	C3416*	.001	11c
C3405	.0001	8c	C3400*	.0015	11c
C3440	.00015	8c	C3418*	.002	14c
C3407	.0002	8c	C3404*	.003	18c
C3408	.00025	8c	C3446*	.004	21c
C3409	.0003	9c	C3406*	.005	23c
C3441	.0004	9c	C3401*	.006	28c

\*—3/4" square; others 1/2 x 1/2".

## High Voltage Oil Impregnated Tubulars

Non-inductive. Extremely low power factor. Ideal mica substitutes as by-pass, blocking, buffer or antenna coupling units, etc. Metal cases. Oil impregnated.



Stock No.	Cap. Mfd.	Wkg. Volts	Size D.-L.	Your Cost
C3250	.002	1500	3/4 x 1 1/2	\$0.24
C3251	.005	1500	3/4 x 1 1/2	.24
C3252	.01	1500	1 1/4 x 1 1/2	.37
C3253	.02	1500	1 1/4 x 1 1/2	.40
C3254	.05	1000	1 1/4 x 2 1/2	.44
C3257	.1	1000	1 1/4 x 2 1/2	.48

## SPECIAL CONDENSER VALUES!

### Oil-Filled Bathtub Condensers



.5-5 Mfd. oil filled hermetically sealed bathtub condenser with elements insulated from case. Center terminal is common. Size 1 1/4 x 1 1/2 x 2 1/2" overall including lugs on top of can. Mtg. centers 2 1/8".

Get Your Order In Today—Quantity Limited. \$1.05 C980—Your Cost.

### Motor Replacement Capacitor



Hermetically sealed motor replacement capacitors. Oil-filled. Solder lug type terminals. 3.5 Mfd. 330 Volts A.C. Size: 2" diam. 1 1/4" high. Quantity Limited! C2981—Your Cost... 79¢

### Tubular Paper By-Pass Condensers



Standard cartridge condensers with pigtail leads. Ideal for servicemen.

No.	Mfd.	Wkg. V.	Each
C3507	.01	400	4c
C3511	.5	400	12c
C3512	.001	600	4c
C3514	.005	600	4c

### Wet Electrolytic Condenser

Small in size for tight places—full rated capacity with maximum voltage protection. 30 Mfd. at 175 Peak Volts. In aluminum can 1 1/2 x 2 1/2". With mounting nut. Quantity Limited. C2434—Your Cost... 19¢

## New! Plastic Cased Dry Electrolytics

They're new! Gleaming plastic replaces aluminum to bring you greater efficiency. Designed for inverted mounting on top of chassis; provided with palmnut for mounting. All are 100% moisture proof and will withstand extremes of heat. Insulated wire leads for direct connection. All are rated at 450 volts d.c. wkg.; 600 volts peak. 1 1/2 x 3 1/2". Mounting nut supplied.



Stock No.	Cap. Mfd.	Your Cost Each
C2383	8.	\$0.59
C2384	10.	.73
C2385	12.	.78
C2386	16.	.85
C2389	20.	.94
C2390	24.	.99
C2391	30.	1.10
C2393	35.	1.15
C2394	40.	1.29
C2395	8-8.	.93



# MALLORY CONDENSERS

P. R. MALLORY & CO. INC.

## "TP" Paper Tubulars



Oil treated non-inductive units, wax filled and impregnated. All triple sealed. Not affected by humid climatic conditions. All have wire leads.

No.	Mfd.	Volts	Each
C3896	.01	400	12¢
C3897	.02	400	
C3898	.05	400	
C3899	.1	400	15¢
C3818	.2	400	18¢
C3900	.25	400	
C3901	.5	400	26¢
C3819	1.0	400	35¢
C3902	.0001	600	
C3903	.00025	600	
C3904	.0005	600	
C3905	.001	600	12¢
C3906	.002	600	
C3907	.005	600	
C3908	.006	600	
C3909	.01	600	
C3910	.02	600	
C3820	.03	600	15¢
C3821	.04	600	
C3911	.05	600	
C3912	.06	600	18¢
C3913	.1	600	
C3914	.25	600	26¢
C3915	.5	600	35¢
C3823	1.0	600	59¢

## Mallory Oil Impregnated Tubulars



Compact oil impregnated paper dielectric condensers available in two types:

**OW:** oil impregnated and filled. Suitable for vibrators, etc. Paper tube, with mounting bracket. 1600 working volts d.c.

**OT:** oil impregnated and oil filled. Metal tubes. 2000 wkg volts d.c.

No.	Cap.	Mfd.	Your Cost
C4011	.0005		
C4012	.001		
C4013	.002		
C4014	.003		
C4015	.004		
C4060	.005		
C4016	.006		
C4017	.007		
C4018	.008		
C4062	.01		
C4063	.015		
C4064	.02		
C4065	.03		
C4066	.04		29¢
C4067	.05		32¢

No.	Cap.	Mfd.	Your Cost
C4021	.0025		44¢
C4022	.005		47¢
C4023	.0075		50¢
C4024	.01		53¢
C4026	.015		53¢
C4027	.02		59¢
C4028	.03		62¢
C4029	.04		62¢
C4030	.05		65¢

## MYE Technical Manual



Just released! A practical, simply written book that bridges the gap between theory and practice. Designed for the Serviceman, Amateur or Experimenter who wants the latest technical information. Hard cloth covers, 392 pages, 8 1/2 x 11".

**C19780**  
Your Cost..... **\$2.00**

## Heavy Duty (HD) and High Surge (HS) Types

Especially designed for public address and theatre applications; where extra safety factor is desirable. Wooden-neck type (\*) or Rectangular cartons. (†)

No.	Type	Mfd.	Wkg.	Volts	Size	Each
C4053	HD682†	8	500(550 P.)	1 1/2 x 1 1/2 x 2 1/2	\$1.06	
C4054	HD683*	8	500(550 P.)	1 x 2 1/2	1.23	
C4037	HS 690†	4	600(700 P.)	3/8 x 1 1/4 x 3	1.23	
C4038	HS 691*	4	600(700 P.)	1 1/8 x 3 3/4	1.32	
C4057	HS 692†	8	600(700 P.)	1 1/4 x 1 1/2 x 3	1.73	
C4058	HS 693*	8	600(700 P.)	1 3/8 x 4 1/4	1.85	



## Type FP and WP Compact Dry Electrolytics

These capacitors, long considered standard for metal encased units, are ideal for many types of service. Light in weight, compact and provided with a complete mounting feature, they save assembly space and time. Thousands of these units have given excellent service under extreme conditions of high altitudes and humidity.

Stock No.	Cap.	Wkg.	Your Cost	Stock No.	Cap.	Wkg.	Your Cost
C3790	50	150	\$0.68	C3665	20-20	450	\$1.18
C3656	20	250	.53	C3794	(30-30-30)	(40)	(150)(25)
C3658	10	450	.53	C3795	40-40-40	150	3x1"
C3659	15	450	.71	C3796	(15-15)	(40)	(400)(25)
C3791	30	450	.97	C3797	(20-20-20)	(20)	(400)(25)
C3681	80	450	1.73	C3668	(10-10)	(20)	(450)(25)
C3661	20-20	150	.71	C3670	10-10-10	450	3x1"
C3662	30-30	150	.79	C3798	15-15-10	450	3x1"
C3792	20-20	300	.88	C3673	(15-15-10)	(20)	(450)(25)
C3793	15-15	400	1.03	C3799	(20-20)	(20)	(450)(25)
C3664	10-10	450	.85				

## Mounting Plates For Above Condensers

For 3/4" dia. cans	C3674—Bakelite	C3677—Metal	} Any Type <b>3¢</b> ea.
For 1" dia. cans	C3675—Bakelite	C3678—Metal	
For 1 1/2" dia. cans	C3676—Bakelite	C3679—Metal	

## Transmitting and Television Capacitors



Type TZ capacitors are for low power transmitting, industrial and television circuits, as well as power amplifier applications. Types TX are general purpose units for commercial, amateur, broadcast, industrial and television applications. Both are conservatively rated and compact in size.

No.	Mallory	Mfd.	Wkg.	V.	Size	EACH
C4004	TZ 382	2	600		1 1/2" o.d. x 3	\$1.94
C4005	383	4	600		1 3/8" o.d. x 1 1/2"	2.65
C4006	384	1	1000		1 3/8" o.d. x 2 1/2"	1.76
C4007	385	2	1000		1 3/8" o.d. x 4 1/2"	2.29
C4008	389	4	1000		2" o.d. x 3 3/8"	3.35
C4009	386	.5	1500		1 3/8" o.d. x 3 1/2"	2.12
C4010	387	1	1500		1 3/8" o.d. x 5 1/4"	2.29
C4036	388	2	1500		2" o.d. x 4 1/2"	3.35

## Type TX—Rectangular Can

C3976	801	1	600	2 1/2" o.d. x 1 1/2" x 1	\$2.47
C3977	802	2	600	2 3/4" o.d. x 1 3/4" x 1	3.00
C3978	803	4	600	4 1/2" o.d. x 1 3/4" x 1	3.88
C3979	822	.5	1000	2" o.d. x 1 3/4" x 1	2.12
C3980	804	1	1000	2 3/8" o.d. x 1 3/4" x 1	2.65
C3981	805	2	1000	3 3/8" o.d. x 1 3/4" x 1	3.53
C3982	806	4	1000	4 1/2" o.d. x 2 1/2" x 1 3/8"	4.41
C3983	810	1	2000	4" o.d. x 1 3/4" x 1	3.88
C3984	811	2	2000	4 1/4" o.d. x 2 1/2" x 1 3/8"	4.59
C3985	823	4	2000	4" o.d. x 3 1/2" x 1 3/4"	6.35

## Wooden-Neck Electrolytics Type "RS"

To compensate for the shortage of aluminum can electrolytics, both wet and dry, this wooden-neck type, developed by Mallory engineers, is a thoroughly satisfactory replacement. Has the same mounting convenience as the aluminum can type. Will provide absolute satisfaction. Impregnated cardboard tube and threaded wooden-neck. Replaces most wet capacitors and all dry types. 450 wkg. volts. Wt. 6 oz.

Stock No.	Cap.	Mfd.	Mallory Type	Overall Dimensions	Your Cost
C3963	8		212	1 3/8 x 2 3/8"	50.76
C3964	8		213	1 x 2 3/8"	.76
C3965	12		214	1 3/8 x 2 3/8"	1.00
C3966	12		215	1 x 2 3/8"	1.00
C3967	16		216	1 x 3 1/8"	1.12
C3968	16		217	1 3/8 x 2 1/8"	1.12
C3969	20		219	1 3/8 x 2 3/8"	1.23
C3970	30		223	1 3/8 x 3 1/8"	1.41



## WB Dry Electrolytics



These capacitors are supplied in hermetically sealed aluminum tubes with waxed cardboard outer sleeves. They are suitable for general applications. Particularly noteworthy are their excellent low-temperature characteristics.

Stock No.	Cap.	Wkg.	Diam.	Your Cost
C848	10	25	1 1/8"	\$0.35
C875	25	25	1 1/8"	.38
C876	50	25	1 1/8"	.44
C897	10	50	1 1/8"	.38
C897	25	50	1 1/8"	.41
C898	50	50	1 1/8"	.50
C878	8	150	1 1/8"	.38
C879	12	150	1 1/8"	.38
C880	16	150	1 1/8"	.41
C881	24	150	1 1/8"	.44
C882	30	150	1 1/8"	.47
C883	40	150	1 1/8"	.50
C989	8	300	1 1/8"	.44
C990	12	300	1 1/8"	.50
C991	16	300	1 1/8"	.59
C899	24	300	1 1/8"	.73
C884	8	400	1 1/8"	.50
C885	12	400	1 1/8"	.59
C886	16	400	1 1/8"	.73
C888	8	450	1 1/8"	.50
C889	10	450	1 1/8"	.53
C992	12	450	1 1/8"	.59
C993	16	450	1 1/8"	.73

## Dry Electrolytic Cardboard Carton Flanges



Compact impregnated cardboard carton units with universal mounting flanges. Insulated leads. Internal metal shield. Hermetically sealed as a guarantee against moisture absorption; ideal for use under tropical conditions.

450 V. wkg.—525 V. peak

Stock No.	Cap.	Size	Your Cost
C3862	4	3/8 x 7/8 x 2 1/2"	\$0.53
C3864	8	3/8 x 1 x 2 1/2"	.68
C3854	16	1 x 1 1/4 x 2 1/2"	1.03

## CM—Separate Sections

C3887	4-4	3/8 x 1 1/2 x 2 1/2"	.85
C3889	8-8	1 3/8 x 1 x 2 3/8"	1.06
C3890	8-8-8	1 1/2 x 1 1/4 x 3"	1.56

## MALLORY-YAXLEY Encyclopedia, 4th Ed.



only **95¢**

Here is the book that is invaluable to repairmen everywhere. Contains complete data on over 27,000 sets, and furnishes the correct answer to practically all service problems encountered in day to day work. Over 400 pages of data on i.f. peaks, volume controls, condensers, vibrators, tubes, circuits and original part numbers on vibrators, controls and condensers. Should be in every serviceman's shop. Shpg. wt. 2 lbs.

**C19786—**  
Your Cost..... **95¢**

**"600" Line—Type TC Paper Tubulars**



Popular Compact tubular condensers. Non-inductively wound. Oil-impregnated. The Sprague slogan "Not a Failure in a Million" is convincing proof of the efficiency of these condensers. Universal for a wide variety of replacements. Test voltage 1200.

No.	Mfd.	Each	No.	Mfd.	Each
C2627	.0001	12c	C2636	.006	12c
C2628	.00025	12c	C2637	.01	12c
C2629	.0004	12c	C2638	.02	12c
C2630	.0005	12c	C2639	.05	15c
C2631	.001	12c	C2640	.06	18c
C2632	.002	12c	C2641	.1	18c
C2633	.003	12c	C2642	.25	26c
C2634	.004	12c	C2643	.5	35c
C2635	.005	12c	C2681	1.0	59c

**Save on "600" Tubular Kit!**

You make a real saving when you buy this Sprague kit of 33 TC tubular condensers: 2—.001, 3—.002, 3—.005, 5—.01, 5—.02, 4—.05, 8—.1, 2—.25 and 1—5 mfd. Shpg. wt. 3 lbs.

**C2613—Per Kit..... \$4.20**

**"400" Line—Type AA**  
Slightly smaller than the above. 400 volts d.c. working voltage.

No.	Mfd.	Each	No.	Mfd.	Each
C2604	.03	12c	C2610	.25	18c
C2605	.05	12c	C2611	.5	26c
C2606	.06	15c	C2612	1.0	35c
C2608	.1	15c			

**Type UC Cased "Hang-Up" Paper Condensers**

Oil impregnated and wax filled. Fully cased and sealed to prevent melting of wax. Impervious to moisture. Ideal for X'mitting and P. A. work.



**400 VOLTS WORKING**

Stock No.	Cap. Mfd.	Dimen. Ins.	Your Cost
C2779	1 2 1/2 x 1 1/2 x 1 1/2	5/8	53c
C2780	2 2 1/2 x 1 1/2 x 1 1/2	5/8	82c

**600 VOLTS WORKING**

Stock No.	Cap. Mfd.	Dimen. Ins.	Your Cost
C2781	1 2 1/2 x 1 1/2 x 1 1/2	5/8	65c
C2782	2 2 1/2 x 1 1/2 x 1 1/2	5/8	97c

**1000 VOLTS WORKING**

Stock No.	Cap. Mfd.	Dimen. Ins.	Your Cost
C2783	1 4 1/2 x 1 1/2 x 1 1/2	5/8	\$1.06
C2784	2 4 1/2 x 1 1/2 x 1 1/2	5/8	1.76

**SPRAGUE "ATOMS" Ultra-Compact Dry Electrolytics**

Ultra-compact capacitors sealed in tubes with outer insulating sleeve. Protected against "Blow-ups." All have 3/16" bare wire leads riveted to end caps.



No.	Mfd.	Wkg. V.	D.-L.	Each
C769	10	25	1 1/2 x 1 1/2	29c
C770	25	25	1 1/2 x 1 1/2	35c
C2680	5	50	1 1/2 x 1 1/2	29c
C2682	10	50	1 1/2 x 1 1/2	32c
C771	25	50	1 1/2 x 1 1/2	41c
C2841	50	50	1 1/2 x 1 1/2	50c

No.	Mfd.	Wkg. V.	D.-L.	Each
C783	10-10†	50	1 1/2 x 2 1/2	59c
C3164	8-8*	150	1 1/2 x 2 1/2	59c
C2842	12-20*	150	1 1/2 x 2 1/2	68c
C3165	20-20†	150	1 1/2 x 2 1/2	76c
C2683	20-20†	150	1 1/2 x 2 1/2	97c

**Type "EL" Prong-Base Dry Electrolytics**



In uninsulated metal cans with self-mounting feature; metal ears bend back under chassis. Lug terminals are coded. All are perfectly sealed and are impervious to moisture. Bakelite and metal mtg. plates listed below at right.

Stock No.	Cap. Mfd.	Wkg. Vts.	Size D.-L.	Your Cost
C2522	10	450	1 x 2"	\$0.53
C2523	15	450	1 x 2"	.71
C2524	20	450	1 x 2"	.79
C2525	40	450	1 x 3"	1.15
C2526	10-10	450	1 x 2"	.85
C2527	20-20	450	1 x 3"	1.18
C2528	40-40	450	1 3/8 x 3"	1.88
C2529	20-20	250	1 x 2"	.79
C2531	20-20	150	1 x 2"	.71
C2532	30-50	150	1 x 3"	.88
C2533	40-20	150	1 x 2"	.79
C2540	50-50†	150	1 x 3"	.94
C2541	10-10/20	450/25	1 x 3"	.94
C2548	20-20/20	400/25	1 x 3"	1.23
C2550	10-10/20	350/25	1 x 2"	.79
C2552	20-20/20	150	1 x 2"	.85
C2556	40-20/20	150	1 1/2 x 2 1/2"	.97
C2593	40-40-40	150	1 x 3"	1.12
C2597	10-10-10	450/25	1 1/2 x 2 1/2"	1.21
C2599	20-10-5	10	350/25	1.06
C2602	40-20-10/20	200/25	1 1/2 x 3"	1.12

**"LM" Cardboard Tube Compact Dry Electrolytics**

All provided with universal mtg. lugs that can be soldered on top of chassis, anchored with screws or extended through holes in chassis and bent under. All have separate negative and positive leads. Lead ends are well sealed with high melting point compound; units are moisture proof.



Stock No.	Cap. Mfd.	Wkg. Vts.	Size D.-L.	Your Cost
C2662	20	150	3/4 x 2 1/2"	\$0.44
C2663	8	450	3/4 x 2 1/2"	.44
C2664	16	450	1 x 2 1/2"	.65
C2665	20-20	150	1 x 2 1/2"	.97
C2666	8-8	250	3/4 x 2 1/2"	.79
C2667	16-16	250	1 x 3"	1.18
C2668	8-8	450	1 x 3"	.97
C2675	16-16	450	1 3/8 x 4 1/4"	1.41

**Mounting Plates for "EL" Dry Electrolytics**

Stock No.	Material	For	Cap. Mfd.	Price
C2658	Bakelite	For 1" cans		
C2659	Bakelite	For 1 1/2" cans		
C2660	Metal	For 1" cans		
C2661	Metal	For 1 1/2" cans		

**"600" Volt Line Cardboard Cased Dry Electrolytics**



Type D.C. Full sized electrolytics for P.A. and heavy service work. Double seal—moisture-proof construction. Long color-coded leads. 475 V. working; 600 V. peak.

No.	Mfd.	L.	W.	T.	Each
C2646	2	2 1/2	1 1/2	3/4	\$0.82
C2647	4	4 1/2	1 1/2	3/4	.82
C2649	8	4 1/2	1 1/2	3/4	.97
C2651*	4-4	4 1/2	1 1/2	3/4	1.29
C2653	4-8	4 1/2	1 1/2	3/4	1.41
C2656*	8-8	4 1/2	1 1/2	3/4	1.56

\*4 leads; separate sections.

Type L.D. Similar to above but 450 V. working; 525 V. peak.

Stock No.	Cap. Mfd.	Wkg. Vts.	Size D.-L.	Your Cost
C3527	4	4 1/2	1 1/2 x 3/4	\$0.53
C3528	8	4 1/2	1 1/2 x 3/4	.67
C2792	12	4 1/2	1 1/2 x 1 1/4	.94
C2793	16	4 1/2	1 1/2 x 1 1/4	1.03
C3529	4-4*	4 1/2	1 1/2 x 1 1/4	.85
C3530	8-8*	4 1/2	1 1/2 x 1 1/4	1.06
C2794	8-8-8†	4 1/2	1 1/2 x 1 1/4	1.56

(\* 1 has four leads. (†) 6 leads.

**600 V. Peak Dries to Replace Wet Electrolytics**

Similar in appearance to "LM" units. Highly formed dry electrolytics guaranteed to carry the a.c. ripple.

Stock No.	Cap. Mfd.	Replaces Wet	Your Cost
C2515	8	4 to 8 mfd.	\$0.73
C2516	16	12 to 18 mfd.	1.00
C2517	25	20 to 40 mfd.	1.18

**PTM TINY MIKES**



450 W.V. Universal for a wide variety of replacements. Conservatively rated at 525 volts, but will stand surges as high as 560 to 580 volts. Special metal mtg. feet.

No.	Mfd.	Size In.	Each
C3564	4	3/4 x 1 1/2 x 1 1/2	\$0.53
C3565	8	1 x 1 1/2 x 1 1/2	.67
C3566	12	1 1/4 x 1 1/2 x 1 1/2	.94
C3587	16	1 1/2 x 1 1/2 x 1 1/2	1.03
C3566*	4-4	1 1/4 x 1 1/2 x 1 1/2	.85
C3567*	8-8	1 1/2 x 1 1/2 x 1 1/2	1.06

\*Four leads; separate sections.

# INCCO CAPACITORS

**Type WA High Voltage Oil Filled Capacitors For Industrial Use**

Engineered for all industrial, commercial and laboratory uses. Conservatively rated; safe for continuous operation at 10% overload. Incco "A" Oil impregnated and filled, low power factor, wide range of operating temperatures. Available to meet saltwater submersion requirements; hermetically sealed steel case. Glazed wet-process porcelain insulators—low moisture absorption and high terminal to case flash over. Wound with highest grade condenser tissue. Tolerance: plus 15%, minus 5%.



**INCCO 120WA100—1 Mfd., 12,500 V.D.C. Wkg. Overall H. 14 1/8", W. 12", D. 4". Shpg. wt. 24 lbs.**

**\$98.78**

**C3140—Your Cost..... \$88.20**

**INCCO 200WA20—25 Mfd., 20,000 V.D.C. Working. Overall H. 15 1/8", W. 8", D. 4". Shpg. wt. 29 lbs.**

**\$88.20**

**C3141—Your Cost..... \$134.06**

**INCCO 250WA50—5 Mfd., 25,000 V.D.C. Working. Overall H. 17 1/8", W. 12", D. 4". Shpg. wt. 43 lbs.**

**\$134.06**

**C3142—Your Cost..... \$238.14**

**INCCO 500WA50—5 Mfd., 50,000 V.D.C. Working. Overall H. 28", W. 18", D. 7 1/4". Shpg. wt. 195 lbs.**

**\$238.14**

**C3143—Your Cost.....**

**NOTE: Incco Industrial Capacitors can be supplied in many capacities from 6000 V.W. to 150,000 V.W. These capacitors can be supplied in standard welded cases at no extra cost.**

**INCCO Oil-Filled Condensers**

**Type SA**



Hermetically sealed case. Incco Oil "A" impregnated and filled. High glaze porcelain insulators. Conservatively rated—safe operation at 10% overload. "Space Saver" universal mounting brackets for easy adjustment. Non-corrosive lead coated steel case.

**600 V.D.C. Working**

No.	Mfd.	H.	Size In.	D.	Each
C3119	1.0	2 1/2	1 1/2	1 1/2	\$2.06
C3120	2.0	2 1/2	1 1/2	1 1/2	2.50
C3121	4.0	2 1/2	1 1/2	1 1/2	3.23

**1000 V.D.C. Working**

No.	Mfd.	H.	Size In.	D.	Each
C3122	1.0	2 1/2	1 1/2	1 1/2	2.20
C3123	2.0	4	1 1/2	1 1/2	2.94

**1500 V.D.C. Working**

No.	Mfd.	H.	Size In.	D.	Each
C3124	1.0	4	1 1/2	1 1/2	2.65
C3125	2.0	4 1/2	2 1/2	1 1/2	3.67

**2000 V.D.C. Working**

No.	Mfd.	H.	Size In.	D.	Each
C3126	1.0	4 1/2	2 1/2	1 1/2	3.23
C3127	2.0	4	3 3/4	1 1/2	3.82

# Truest CARBON RESISTORS

## SERVICEMEN'S SPECIAL!

### 1/2 & 1 Watt R.M.A. Carbon Resistors

Here's another Lafayette EXCLUSIVE serviceman's offer that helps you to build profits!

Our tremendous buying power makes this offer possible—stock up now and save! All are R.M.A. coded and held to acceptable tolerances. Specify stock number of type and resistance.

Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms
100	900	6000	17500	70000	200000	1 1/2 Meg.
150	1000	7500	20000	75000	250000	2 Meg.
200	1500	10000	25000	80000	300000	2 1/2 Meg.
250	2000	12000	30000	90000	400000	3 Meg.
500	2500	12500	35000	100000	500000	5 Meg.
600	3000	13000	50000	125000	750000	
750	5000	15000	60000	150000	1 Meg.	

C5239—1/2-Watt Size  
C5240—1-Watt Size



3¢ Ea. 100 For \$2.40

**Kit of 100 Resistors**—An assortment of 100 popular carbon resistors. Contains approximately 50 1/2-watt, 25 1/2-watt and 25 1-watt resistors. All standard RMA color coded. Shpg. wt. 2 lbs. C3816—Kit of 100. Specially priced. **\$1.69**

### 2-Watt Carbon Resistors



Heavy-duty carbon resistors, absolutely moisture proof. RMA color coded for easy identification; made of the finest material and workmanship. **Guaranteed accuracy, 10% plus or minus.** The average are within 5%. Resistance values will not vary at normal voltage. Ideal for replacement across small voltage divider sections, bleeders, etc. Also for public address amplifiers or for test instrument replacement. Size 2" L. x 1/2" O.D.

values will not vary at normal voltage. Ideal for replacement across small voltage divider sections, bleeders, etc. Also for public address amplifiers or for test instrument replacement. Size 2" L. x 1/2" O.D.

Ohms	Stock No.	Ohms	Stock No.	Ohms	Stock No.	Ohms	Stock No.
200	C4450	2500	C4460	10000	C4469	70000	C4479
400	C4451	3000	C4461	12000	C4470	75000	C4480
500	C4452	3500	C4462	15000	C4471	100000	C4481
600	C4453	4000	C4463	17000	C4472	125000	C4482
700	C4454	5000	C4464	20000	C4473	150000	C4483
800	C4455	6000	C4465	25000	C4474	200000	C4484
1000	C4456	7000	C4466	30000	C4475	250000	C4485
1250	C4457	7500	C4467	40000	C4476	300000	C4486
1500	C4458	8000	C4468	50000	C4477	500000	C4487
2000	C4459			60000	C4478		

Your Cost Each 12 For... 89c 25 For... \$1.73

**NOTE:** Calculator below supplied FREE with orders for 24 or more Truest Carbon resistors.

### Resistor Color Code Indicator



Permits instant calculation of the value in ohms of any R.M.A. color coded resistor. The circular rule can be set in a moment—readings are accurate. Full directions are printed on the indicator.

C3847—Your Cost Each **10¢**

### Continental Carbon Multiplier Resistors

Impregnated and hermetically sealed in a glass tube. Impervious to moisture and unusually stable. For any 1 watt application but especially recommended for meter multipliers, photo-cell circuits, etc. Pigtail leads. Type A1. Accuracy ±5%.



No.	Ohms	Volts	No.	Ohms	Volts	No.	Ohms	Volts
C12286	1450	1.5*	C12298	10000	10	C12310	200000	200
C12287	2950	3*	C12299	13500	13.5	C12311	250000	250
C12288	3500	3.5	C12300	15000	15	C12312	300000	300
C12289	4450	4.5*	C12301	25000	25	C12313	450000	450
C12290	4950	5*	C12302	30000	30	C12314	500000	500
C12291	5000	5	C12303	50000	50	C12315	600000	600
C12292	5500	5.5	C12304	60000	60	C12316	750000	750
C12293	5950	6*	C12305	75000	75	C12317	800000	800
C12294	7450	7.5*	C12306	85000	85	C12318	900000	900
C12295	8500	8.5	C12307	90000	90	C12319	1 Meg.	1000
C12296	8950	9*	C12308	100000	100			
C12297	9950	10*	C12309	150000	150			

\*Allow for 50 ohm meter resistance. Each, Any Size **18¢**

### Filament Resistors



Dependable wire wound filament resistors, accurately rated. Have solder lug terminals and mounting feet. Available with tap at the electrical center or without any tap. **Supplied in the following resistances only:**

10, 20, 30, 40, 50, 60 and 100 ohms.

**With Center Tap**

C3999—Specify resistance desired. 10 For 71c. **8¢**

**Your Cost Each**

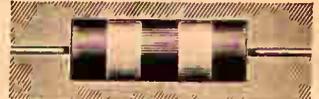
**Without Center Tap**

C3998—Specify resistance desired. 10 For 63c. **7¢**

**Your Cost Each**

## Truest INSULATED 1/2 & 1 Watt

### \*Porcelain Insulated Outer Shells \*Low Drift

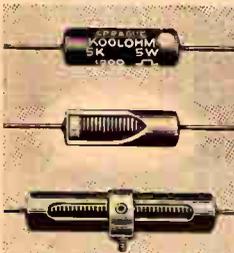


Improved, finer carbon resistors, with heavy molded insulating shells which make them impervious to moisture, heat and mechanical strain. **Guaranteed accuracy 10%; average 5%.** Ideal for congested wiring of receivers. Insulation permits resistors to touch each other without shorting. Half-watt units 3/16" dia. One-watt units 1/8" dia. RMA color-coded. Approximately 300 units to 1 lb.

Resis. Ohms	1/2-Watt Stock No.	1-Watt Stock No.	Resis. Ohms	1/2-Watt Stock No.	1-Watt Stock No.
200	C4250	C4300	25000	C4274	C4324
300	C4245	C4348	30000	C4275	C4325
400	C4251	C4301	40000	C4276	C4326
500	C4252	C4302	50000	C4277	C4327
600	C4253	C4303	60000	C4278	C4328
700	C4254	C4304	70000	C4279	C4329
800	C4255	C4305	75000	C4280	C4330
1000	C4256	C4306	100000	C4281	C4331
1250	C4257	C4307	125000	C4282	C4332
1500	C4258	C4308	150000	C4283	C4333
2000	C4259	C4309	200000	C4284	C4334
2500	C4260	C4310	250000	C4285	C4335
3000	C4261	C4311	300000	C4286	C4336
3500	C4262	C4312	400000	C4287	C4337
4000	C4263	C4313	500000	C4288	C4338
5000	C4264	C4314	750000	C4289	C4339
6000	C4265	C4315	1 Megohms	C4290	C4340
7000	C4266	C4316	1	C4291	C4341
7500	C4267	C4317	1.5		
8000	C4268	C4318	2		
9000	C4269	C4319	2.5		
10000	C4270	C4320	3		
12000	C4271	C4321	4		
15000	C4272	C4322	5		
17000	C4273	C4323	6		
20000			7		
			8		
			9		
			10		

**1/2-WATT SIZE** Your Cost Each 12 For... 45c 100 For... \$3.55  
**1-WATT SIZE** Your Cost Each 12 For... 56c 100 For... \$4.45

### SPRAGUE "KOOLOHM" Resistors



Completely insulated resistance wire. Insulation has high dielectric strength, withstands red heat and is impervious to moisture. Units are encased in tubular ceramic shells which permit mounting in contact with metal parts without shorting. A red "Teledot" on one end of unit acts as overload indicator, turning brown at 25% or more overload and resuming its red color when overload is removed. Accuracy guaranteed ±5%. Non-inductive types show zero inductance up to 50 mc. and distributed capacitance is only 2 mmfd.

### STANDARD FIXED

Ohms	Ohms	Ohms	Ohms
10	250	2500	20,000
20	300	3000	25,000
25	400	5000	30,000
30	500	7500	40,000
50	750*	10,000	50,000*
75	1000	12,000*	60,000*
100	1250	12,500†	70,000*
150	1500	15,000	
200	2000	17,500*	

†=5 watt only. \*10 watt only.

### Type 5K—5 Watts. 1 1/2" x 1 1/2"

No.	Ohms	Each
C7513	10 to 5,000	24c
C7514	7,500 to 10,000	27c
C7515	12,500 to 15,000	29c
C7516	20,000	32c
C7517	25,000	41c
C7518	30,000	44c
C7519	40,000	50c

### Type 10K—10 Watts. 1 1/2" x 1 1/2"

No.	Ohms	Each
C7520	10 to 10M Ohms	27c
C7521	12M, 15M Ohms	29c
C7522	17,500 & 20,000	35c
C7523	25,000	41c
C7524	30,000	44c
C7525	40,000	53c
C7526	50,000	59c
C7527	60,000	73c
C7528	70,000	82c

### STANDARD ADJUSTABLE

Type 10AD—10 Watt. 1 1/2" x 1 1/2"

With adjustable clip.

Ohms	Ohms	Ohms	Ohms
10	200	750	3000
25	250	1000	4000
50	300	1500	5000
100	400	2000	7500
150	500	2500	10,000

C7534—Any above **44¢**

Your Cost Each

### NON-INDUCTIVE FIXED

Type 10N1—10 Watt. 1 1/2" x 1 1/2"

Ohms	Ohms	Ohms	Ohms
10	70	500	2500
20	80	750	3000
30	90	1000	3500
40	100	1250	4000
50	250	1500	5000
60	400	2000	7500

Stock No. Ohms Each

C7528	10 to 1000	35c
C7529	1250 to 2000	41c
C7530	2500 to 4000	44c
C7531	5000	47c
C7532	7500	53c
C7533	10,000	68c

—NOTE— We will make every effort to supply merchandise as ordered, but during the present emergency we must reserve the right to substitute like quality where necessary.

# IRC PRECISION RESISTORS

## Type BT Insulated Resistors Type F Metallized Resistors



Type BT employ metallized element sheathed in an overall covering of moisture proof phenolic compound. Type F are the original Metallized units housed in Isolantite. Both types are non-inductive. Have pig-tail wire leads. Tolerance  $\pm 10\%$ . Specify Resistance.

Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Megs.
1	100	600	3000	10000	30000	125000
2	150	750	3500	11000	35000	150000
3	200	800	4000	12000	40000	200000
5	250	1000	5000	12500	50000	250000
10	300	1250	6000	15000	60000	300000
15	350	1500	7000	17500	65000	400000
20	400	2000	7500	20000	70000	500000
25	450	2250	8000	22500	75000	600000
30	500	2500	9000	25000	100000	750000
50						

1/2-Watt—BT-1/2		1-Watt—BT-1		2-Watt—BT-2	
1/2 x 3/16"	250 ohms up.	1 1/2 x 1/4"	350 ohms up.	1 3/4 x 1/4"	500 ohms up.
C5206	Each 10¢	C5207	Each 12¢	C5263	Each 18¢

1/2-Watt—F-1/2		1-Watt—F-1		2-Watt—F-2	
1 1/2 x 3/16"	50 ohms to 20 megohms.	1 1/2 x 1/4"	100 ohms up.	1 3/4 x 1/4"	50 ohms to 10 megohms.
C5250	Each 10¢	C5251	Each 12¢	C5252	Each 18¢

### "BW" Insulated Wire-Wound Resistors

Similar to the BT units listed above, but contain a wire wound element, completely encased in molded compound. Tolerance  $\pm 10\%$ . Order sizes desired from tabulated listing above. Specify Resistance.

1/2-Watt—BW-1/2		1-Watt—BW-1		2-Watt—BW-2	
1/2 x 3/16"	1 to 750 ohms.	1 1/2 x 1/4"	1 to 4000 ohms.	1 3/4 x 1/4"	1 to 8000 ohms.
C5298	Each 10¢	C5299	Each 12¢	C5299	Each 18¢

### IRC Ultra-High Range Resistors

#### Type FH-1 and Type MG-3

For all industrial and electronic uses. Stable, non-ageing, moisture-proof resistors. FH-1 unit is of same construction as the standard Type F-1 (listed above). MG construction utilizes the insulating properties of glass. All units above 1,000 megohms specially impregnated for stability under high humidities and other abnormal atmospheric conditions.

Type FH-1		Type MG-3	
C5116	—100 Meg. .... \$1.00	C5108	—100 Meg. .... \$1.15
C5117	—250 Meg. .... 1.00	C5109	—250 Meg. .... 1.15
C5118	—500 Meg. .... 1.00	C5110	—500 Meg. .... 1.15
C5119	—1,000 Meg. .... 1.50	C5111	—1,000 Meg. .... 1.65
C5120	—5,000 Meg. .... 1.50	C5112	—5,000 Meg. .... 1.65
C5121	—10,000 Meg. .... 2.00	C5113	—10,000 Meg. .... 2.15
		C5114	—20,000 Meg. .... 2.15

### IRC Wire Wound Power Resistors

Machine wound on non-hygroscopic cores; cement coating.



Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms
5#	75	500*#	2000*#	4000*#	7500*#	40000#
10#	100*#	750*#	2250	4500	10000*#	50000*#
15#	150	1000*#	2500*#	5000*#	12000#	60000#
25#	200#	1250	3000#	6000#	12500#	30000#
50#	250*#	1500*#	3500	7000#	35000	100000*#

30,000 ohms and over are 5 watts. 1 3/4" long, 3/8" diam. Range up to 50,000 ohms (see list).  
C5210—Up to 10,000 ohms... 26c Above 10,000 ohms. Each... 29c

#### Type "DG" 20-Watt Rating

60,000 ohms and over are 10 watts. 2" long, 3/8" diam. Range up to 100,000 ohms (see list).

Stk. No.	From	To	Each	Stk. No.	From	To	Each
C5211	1	15,000	41c	C5290	60,000	100,000	65c
C5212	20,000	50,000	50c				

#### Type "EP" 50-Watt (Max.)

4 1/2" long, 1/2" diam. Range up to 100,000 ohms. Only in sizes marked with (†) (see list).

Stk. No.	From	To	Each	Stk. No.	From	To	Each
C5248	5	5,000	71c	C5254	30,000	100,000	94c
C5249	6,000	25,000	82c				

#### Type "HA" 100-Watt (Max.)

6 1/2" long, 1 1/8" diam. Range up to 100,000 ohms. Only in sizes marked with asterisk\* (see list).

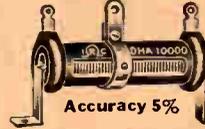
Stk. No.	From	To	Each	Stk. No.	From	To	Each
C5260	100	5,000	\$0.97	C5235	75,000 ohms		\$1.47
C5261	7,500	25,000	1.15	C5236	100,000 ohms		1.62
C5234	50,000 ohms		1.29				

#### Type "HO" 200-Watt (Max.)

10 1/2" long, 1 3/8" diam. Range up to 100,000 ohms. Only in sizes marked with (†) (see list).

Stk. No.	From	To	Each	Stk. No.	From	To	Each
C5237	100	10,000	\$1.62	C5238	15,000	100,000	\$1.94

### IRC Power Wire-Wound Variable Resistors



Accuracy 5%

For all industrial and Radio uses. Dissipate heat rapidly, withstand heavy overloads, have great mechanical strength. All (except 10 watt units) are supplied with a NEW highly improved contact band that has a stainless steel spring spot-welded to it. The spring carries a silver contact button on which the pressure never varies—no torn resistance wire, no corroded contacts. Band is threaded. Mounting brackets with all but the 10-watt units.

Check sizes available in type desired before ordering, as all types are not available in every resistance value listed below.

Ohms	Ohms	Ohms	Ohms
5	250	2500	15000
10	500	3000	20000
25	750	4000	25000
50	1000	5000	40000
100	1250	6000	50000
150	1500	7500	75000
200	2000	10000	100000

#### Type ABA—10 Watts

1 3/4 x 3/16". Range up to 10,000 ohms. (See list above).

C5262	—	44¢
Your Cost Each		
C5213	—Extra slider for above.	
Your Cost Each		6c

#### Type DHA—25 Watts

2 1/2 x 3/16". Range up to 25,000 ohms. (See list above).

No.	From	To	Each
C5274	5	5,000	56c
C5275	6,000	15,000	65c
C5276	20,000	25,000	71c
C5219	—Extra slider (silver)...	12c	

#### Type EPA—50 Watts

4 1/2 x 3/16". Available in sizes up to 100,000 ohms. See list above. Each with brackets and one slider.

No.	From	To	Each
C5286	5	5,000	\$0.88
C5287	6,000	25,000	.97
C5288	40,000	50,000	1.12
C5289	75,000	100,000	1.29

Type ESA—80 Watts  
6 1/2 x 3/4". Available in all sizes as listed at left (except 150, 1250 and 75,000 ohms). Each with brackets and one slider.

No.	From	To	Each
C5196	5	5,000	\$1.15
C5197	6,000	25,000	1.29
C5198	40,000	50,000	1.47
C5199	100,000	.....	1.62

#### Type HAA—100 Watts

6 1/2 x 1 1/4". Available in the following resistances.

Ohms	Ohms	Ohms	Ohms
100	2500*	10000*	50000*
500*	5000*	15000	75000*
1000*	7500	25000*	100000*
No.	From	To	Each
C5266	100	5,000	\$1.29
C5267	7,500	25,000	1.47
C5268	50,000	.....	1.62
C5269	75,000	100,000	1.76

#### Type HOA—200 Watts

10 1/2 x 1 1/8". In sizes marked by asterisk in list above.

No.	From	To	Each
C5270	500	10,000	\$1.94
C5271	25,000	100,000	2.26

#### Extra Sliders

Silver contact type to fit sizes listed.

Size	Silver	Each
50-80W	C5217	12c
100-200W	C5218	15c



Precision Wire-Wound Resistors



WW4 WW1—WW2

Scientifically designed and constructed. Dependable precision meter multipliers and shunts. Guaranteed accuracy 1%. Non-inductively wound. Winding is specially impregnated, which insures constant resistance at all frequencies to 50,000 cycles. WW-1—2 1/2 x 3/16" — WW-2—2 1/2 x 3/16". Have ferrules with binding post terminals. WW-4 has lug type terminals.

Type WW-1				Type WW-2				
C5150	1	C5148	15000	79c	C5193	750,000	2.65	
C5154	5	C5171	20000		C5202	1 1/2 Meg.	4.41	
C5159	10	C5149	22500		C5194	1 Meg.	3.09	
C5160	25	C5172	25000	94c	C5115	2 Meg.	5.88	
C5161	50	C5173	30000		Type WW-4			
C5162	100	C5176	50000		Stock	Res. Your	Stock	Res. Your
C5164	200	C5177	60000	1.12	No.	OhmsCost	No.	Ohms Cost
		C5178	75000		C5125	200	C5136	30000
C5200	250	C5179	100000	1.23	C5126	300	C5138	40000
C5204	400	C5181	150000		C5124	500	C5139	50000
C5165	500	C5182	175000	1.56	C5127	1000	C5140	60000
C5166	1000	C5183	200000	1.56	C5128	2500	C5141	75000
C5143	1500	C5184	250000	1.71	C5129	5000	C5142	100000
C5144	2000	C5185	250000		C5130	7500	C5099	150000
					C5131	10000	C5100	200000
C5167	2500	C5190	275000		C5132	12500	C5121	250000
C5145	3000	C5186	300000	1.85	C5133	15000	C5102	300000
C5168	5000	C5187	400000		C5134	20000	C5122	400000
C5147	7500	C5188	500000	2.15	C5135	25000	C5123	500000
C5169	10000							2.00

### Resisto-Cabinet

Free with any of the following resistor kits. Sturdy, 4 drawer (7 compartments in each) cabinets 11x5 1/2 x 5 1/2". Blue & Silver finish. Shpg. Wt. 7 lbs.  
Kit No. 1: 8 Type BT-1/2 W. resistors, 37 type BT-1 W. resistors, 10-type ABA 10 W fixed resistors, 4-type ABA 10 W. adjustable resistors. Total 59 resistors.



C5281	—List value.	\$16.46.	Your Cost, Complete.	\$9.68
Kit No. 2:	Contains 100 Type BT-1/2 W. Resistors.			\$9.98
C5280	—List value.	\$17.00.	Your Cost, Complete.	\$9.76
Kit No. 3:	Contains 83 BT-1 Watt resistors.			\$9.76
C5282	—List value.	\$16.60.	Your Cost, Complete.	\$9.76



# OHMITE RESISTORS

## Vitreous Enamelled Fixed Resistors



Lug type resistors, wire-wound on porcelain cores. The vitreous enamelled coating both protects and insulates the wire. The best alloy and largest possible size wire are used for each resistance. The vitreous enamelled coating retains the uniform spacing of the turns, just as they were wound, which permits close spacing. Wire is mechanically locked and soldered to the terminal lugs. Tolerance 10%.

25 WATT		
1	150	3,000
2	200	3,500
3	250	4,000
4	500	5,000
5	750	6,000
10	800	7,500
25	1,000	10,000
50	1,500	12,000
75	2,000	15,000
100	2,500	20,000

Each		
C7125	—1 to 5M.	47c
C7126	—6M to 15M.	53c
C7127	—20M to 50M.	65c
C7128	—60M ohms.	73c
C7129	—70M ohms.	79c
C7130	—80M ohms.	88c
C7131	—100M ohms.	\$1.12

100 WATT		
1	75	1,500
2	100	2,000
3	125	2,500
4	150	3,000
5	250	5,000
10	500	7,500
25	750	10,000
50	1,000	15,000

Each		
C7139	—1 to 5M.	97c
C7140	—7,500 to 25M.	\$1.15
C7141	—30M to 50M.	1.29
C7142	—60M to 75M.	1.47
C7143	—100,000 ohms.	1.62

## "BROWN DEVIL" Fixed Resistors



Wire wound, vitreous enamelled units suitable for use on all electronic and industrial equipment. Tinned copper wire terminals. Protected against humidity and mechanical damage. Tol. 10%. Wt. 3 oz.

Ohms	Ohms	Ohms	Ohms
0.4	125†	1,850*	16,000†
0.6*	150	2,000	17,500†
0.8*	200	2,250	18,000†
1†	225†	2,400*	20,000
1.2†	250	2,500	22,500
1.3†	300	2,750*	25,000
1.5†	350	3,000	30,000
2†	400	3,500	35,000
3†	450†	4,000	40,000
4†	500	4,500	45,000
5-	600†	5,000	50,000
7.5†	650*	6,000	55,000*
10-	700	7,000	60,000*
12†	750	7,500	65,000*
15*	800	8,000	70,000*
20†	850*	8,500†	75,000*
25	900†	10,000	80,000*
30†	1,000	11,000†	85,000*
35†	1,100	12,000†	90,000*
40†	1,200	12,500	95,000*
50-	1,250	13,500†	100,000*
75-	1,500	14,300†	
100-	1,750	15,000	

### 10 Watt Resistors

Available in all sizes except those marked\*.

C7150—0.4 to 10M ohms. Specify sizes desired. Each..... 26c

C7151—11M to 50M ohms. Specify sizes desired. Each..... 29c

### 20 Watt Resistors

Available in all sizes except those marked\*.

C7152—0.4 to 15M ohms. Specify sizes desired. Your Cost..... 41c

C7153—20M to 50M ohms. Specify sizes desired. Your Cost..... 50c

C7154—55M to 100M ohms. Specify sizes desired.

Your Cost..... 65c

50 WATT		
1	150	3,000
2	200	4,000
3	250	5,000
4	500	7,500
5	750	8,000
10	800	10,000
25	1,000	12,000
50	1,500	15,000
75	2,000	20,000
100	2,500	25,000

Each		
C7132	—1 to 5M.	71c
C7133	—7,500 to 25M.	82c
C7134	—35M to 100M.	94c
C7135	—125M.	\$1.29
C7136	—150M to 175M.	1.47
C7137	—200M to 225M.	1.62
C7138	—250M.	1.76

200 WATT		
1	75	2,000
2	100	2,500
3	150	3,000
4	250	5,000
5	500	7,500
10	750	10,000
25	1,000	15,000
50	1,500	20,000

Each		
C7144	—1 ohm.	\$2.12
C7145	—2 ohm.	1.97
C7146	—3 ohm.	1.82
C7147	—4 ohm.	1.71
C7148	—5 ohm to 10M.	1.62
C7149	—15M to 100M.	1.94

## OHMITE Tap Switches



Load-break switches with high-current taps compactly arranged yet perfectly insulated.

All ceramic insulation, large, solid silver-to-silver contacts, and "slow-break" action especially designed for alternating current use. Switch shafts are electrically "dead"—insulated by strong ceramic hubs. The "slow-break quick-make" action, provided by a positive cam-and-roller mechanism, is the action proven best for the applications of these switches. Ideal for use in switchboards, battery chargers, motor controls, X-ray equipment, etc. Non-shorting, single pole rotary, multi-position units.

### Model 111 Tap Switch

Alternating current rating 10 Amps. 150 Volts—1 1/4" diam., 1/4" Shaft diam., Standard mounting. For 1/2" panel maximum, by means of 3/8"-32 threaded bushing and hex. nut. Single unit. Depth behind panel 1 1/4".

### Model 212 Tap Switch

Alternating current rating 15 Amps. 2 1/4" diam., 1/4" shaft diam., standard mounting. For 1/2" panel maximum, by means of 3/8"-32 threaded bushing and hex. nut. Single unit. Depth behind panel 1 1/4".

Model 111		Model 212	
Stock No.	Your Cost	Total Taps	Rotat. Stock No.

C10309A	\$1.53	2	30	C10320A	\$3.82
C10308A	1.53	3	60	C10319A	3.82
C10307A	1.53	4	90	C10318A	3.82

C10306A	1.59	5	120	C10317A	3.97
C10305A	1.59	6	150	C10316A	3.97
C10304A	1.65	7	180	C10315A	4.12

C10303A	1.65	8	210	C10314A	4.12
C10302A	1.71	9	240	C10313A	4.26
C10301A	1.71	10	270	C10312A	4.26

C10300A	1.76	11	300	C10311A	4.41
		12	330	C10310A	4.41

## OHMITE Adjustable "DIVIDOHM" Resistors



Wire-wound units that make ideal voltage dividers for original equipment and replacement in transmitters, rectifiers and other apparatus. Handy for obtaining odd resistance values, for adjusting circuits and for use on equipment which must be set to meet various line voltages. Vitreous enamelled on porcelain cores with a narrow strip of the turns of wire exposed to form a contact surface for embossed contact on the adjustable lug. (Every turn is securely held against shifting.) Slider and mounting bracket included.

10 WATT 1 1/4" x 3/8"			
5	100	2,000	7,500
10	250	3,000	10,000
25	500	4,000	
50	1,000	5,000	

C7174—Your Cost..... **44c**

50 WATT 4" x 3/8"			
1	250	3,000	12,000
2	300	3,500	15,000
3	400	4,000	20,000
4	500	4,500	25,000
5	750	5,000	30,000
10	800	6,000	40,000
25	1,000	7,000	50,000
50	1,250	7,200	60,000
75	1,500	7,500	80,000
100	2,000	8,000	100,000
150	2,250	9,000	
200	2,500	10,000	

C7178—1 ohm to 5M..... 88c

C7179—6M to 25M..... 97c

C7180—30M to 50M..... \$1.12

C7181—60M to 100M..... 1.29

25 WATT 2" x 3/8"			
5	250	4,000	20,000
10	500	5,000	25,000
25	1,000	7,500	
50	2,000	10,000	
100	3,000	15,000	

C7175—5 ohms to 5M..... 56c

C7176—7,500 to 15M..... 65c

C7177—20M to 25M..... 71c

100 WATT 6 1/2" x 3/8"

10	250	5,000	25,000
25	500	10,000	30,000
50	1,000	15,000	40,000
100	2,500	20,000	50,000

C7182—10 ohms to 5M..... \$1.29

C7183—10M to 25M..... 1.47

C7184—30M to 50M..... 1.62

200 WATT 10 1/2" x 1 1/8"

5	250	5,000	25,000
10	500	10,000	30,000
25	1,000	15,000	40,000
50	2,500	20,000	50,000

C7185—5 ohms to 10M..... \$1.94

C7186—15M to 50M..... 2.26

## Standard Adjustable Sliders

Diam. Inches	SCREWDRIVER TYPE		BAKELITE KNOB TYPE	
	Stock No.	Your Cost	Stock No.	Your Cost
3/8"	C7193	6c	C7197	9c
1/2"	C7194	6c	C7198	15c
5/8"	C7195	9c	C7199	15c
1"	C7196	9c		

## OHMITE Power Rheostats



Designed to produce permanently smooth, close control. Ceramic and metal construction. Provided with insulated shafts with provision to keep the rheostat from turning on the panel. The resistance wire is wound over a solid porcelain core. Each turn is locked against shifting by vitreous enamel, which also covers the core and base. Requires 3/8" Hole. Wt. 1 lb.

### Model "H"—25W (1 1/8" dia.)

Stock No.	Total Ohms	Max. Amps.	Each
C8350	1	5,000	\$2.65
C8352	2	3,540	
C8351	3	2,880	
C8363	6	2,040	
C8352	8	1,770	
C8364	10	1,580	
C8365	15	1,290	
C8366	25	1,000	
C8353	35	.845	
C8367	50	.707	\$2.35
C8390	75	.575	
C8368	100	.500	
C8369	125	.445	
C8370	175	.375	
C8371	250	.316	
C8391	350	.267	
C8372	500	.222	
C8392	750	.182	
C8373	1,000	.155	
C8374	1,500	.129	\$2.65
C8375	2,500	.100	
C8376	3,500	.084	\$2.79
C8377	5,000	.070	

### Model "J"—50 Watt (2 3/8" dia.)

No.	Ohms	Amps.	Each
C7200	0.5	10,000	
C7201	1	7,070	\$2.94
C7202	2	5,000	
C7203	4	3,530	
C7204	8	2,500	
C7205	12	2,040	
C7206	16	1,760	
C7207	22	1,500	
C7208	35	1,190	
C7209	50	1,000	\$2.65
C7210	80	.790	
C7211	125	.630	
C7212	150	.575	
C7213	225	.470	
C7214	300	.408	
C7215	500	.316	
C7216	800	.250	
C7217	1,000	.224	\$2.79
C7218	1,600	.176	
C7219	2,500	.141	
C7220	3,500	.119	
C7221	5,000	.100	\$2.94
C7222	8,000	.079	
C7223	10,000	.070	

### MODEL "K"—100 WATT (3 1/8" DIA.)

No.	Ohms	Amps.	Each	No.	Ohms	Amps.	Each
C8378	10	3,160		C8383	500	.447	\$4.12
C8379	25	2,000		C8384	1,000	.316	\$4.41
C8380	50	1,410	\$4.12	C8385	2,500	.200	\$4.70
C8381	100	1,000		C8386	5,000	.141	\$4.70
C8382	300	.575		C8387	10,000	.100	\$5.29

# Truest Wire Wound RESISTORS

## Truest 5 and 10 Watt Wire-Wound Resistors



**Tolerance Within 2%**  
These Truest resistors are wound with genuine nichrome wire on fine ceramic tubes. Guaranteed accuracy 2%; most are within 1% of their rated value. When ordering, specify size desired.

Ohms	Ohms						
5	50	250	800	1500	2750	8000	20000
10	75	400	900	1750	3000	9000	22500
15	100	500	1000	2000	4000	10000	25000
20	150	600	1100	2250	5000	12500	30000*
25	200	750	1250	2500	6000	15000	40000*
					7000	17500	50000*

\*Available in 10-watt size only.  
**C4438—TRUEST 5-Watt Resistors**  
Your Cost Each, Any Size..... **15¢**  
**C4439—TRUEST 10-Watt Resistors**  
Your Cost Each, Any Size..... **20¢**

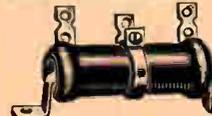
### 10-Watt Adjustable Wire Wound



Vitreous enamel coated adjustable wire wound units. Lug terminals.  $1\frac{3}{4} \times \frac{5}{16}$  O.D.; with mtg. brackets. Specify resistance.  
**C4445—**

Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Each
10	50	150	500	2000	5000	<b>25¢</b>
25	100	200	1000	2500	10000	

**C4446—Extra Slider for above. Each..... 5¢**



## Truest Semi-Variable Wire-Wound Resistors

Vitreous enamel coated. Adjustable lugs have small contact buttons so that several taps can be used without shorting out much resistance. Brackets and one slider furnished.

25 Watts (2x 5/8")			50 Watts (4 1/2 x 5/8")			75 Watts (6 x 5/8")		
No.	Ohms	Each	No.	Ohms	Each	No.	Ohms	Each
C20740	1		C20770	100		C20800	100	
C20741	2		C20771	200		C20801	200	
C20742	3		C20772	300		C20802	300	
C20743	5		C20773	400		C20803	400	
C20744	10		C20774	500		C20804	500	
C20745	20		C20775	800		C20805	750	
C20746	50		C20776	1000	<b>66¢</b>	C20806	1000	<b>85¢</b>
C20747	100		C20777	1500		C20807	1500	
C20748	200		C20778	2000		C20808	2000	
C20750	500	<b>42¢</b>	C20779	2500		C20809	2500	
C20751	750		C20780	3000		C20810	3000	
C20752	800		C20781	4000		C20811	4000	
C20753	1000		C20782	5000		C20812	5000	
C20754	1500							
C20755	2000		C20783	6000		C20813	6000	
C20757	2500		C20784	7000		C20814	7000	
C20759	4000		C20785	8000		C20815	7500	
C20760	5000		C20786	9000		C20816	10000	<b>98¢</b>
			C20787	10000	<b>73¢</b>	C20817	15000	
C20761	6000		C20788	12000		C20818	20000	
C20762	7000		C20789	15000		C20819	25000	
C20763	8000	<b>46¢</b>	C20790	20000		C20820	30000	<b>\$1.10</b>
C20765	10000		C20791	25000		C20821	40000	
C20795	15000					C20822	50000	
C20796	20000	<b>54¢</b>	C20792	30000	<b>83¢</b>	C20823	100000	<b>\$1.22</b>
C20797	25000		C20793	40000				
C20825	—Extra sliders to fit any of the above resistors. Each..... 5¢							

## Truest Vitreous Resistors

Guaranteed plus or minus 10%. All are non-porous, dissipate heat rapidly, have positive lug contacts and do not change in value. Each marked for resistance.

10-Watt Rating 1/2 x 1 1/2"					
No.	Ohms	No.	Ohms	No.	Ohms
C4850	1	C4866	100	C4875	750
C4854	5	C4868	150	C4876	1000
C4856	10	C4869	200	C4879	2000
C4861	30	C4870	250	C4880	2500
C4863	40	C4872	400	C4881	3000
C4864	50	C4873	500	C4883	5000

Your Cost Each, Any Size..... **16¢**

20-Watt Rating 1/2 x 2"					
No.	Ohms	No.	Ohms	No.	Ohms
C4910	25	C4936	2500	C4958	100
C4911	50	C4938	3000	C4959	250
C4913	100	C4940	4000	C4960	500
C4915	200	C4942	5000	C4963	1000
C4919	400	C4943	6000	C4970	5000
C4920	500	C4946	8000	C4976	10000
C4923	750	C4947	10000	C4979	15000
C4926	1000	C4949	15000	C4981	20000
C4930	1500	C4950	25000	C4982	25000
C4933	2000	C4952	50000	C4983	30000
C4934	2250	C4953	100000	C4985	50000

Your Cost Each, Any Size..... **32¢**

50-Watt 3/4 x 4"					
No.	Ohms	No.	Ohms	No.	Ohms
C4958	100	C4959	250	C4960	500
C4963	1000	C4970	5000	C4976	10000
C4979	15000	C4981	20000	C4982	25000
C4983	30000	C4985	50000		

Your Cost Each, Any Size..... **54¢**

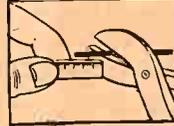
100-Watt 1 x 4"					
No.	Ohms	No.	Ohms	No.	Ohms
C4985	50000				

Your Cost Each, Any Size..... **61¢**

100-Watt 1 1/2 x 4"					
No.	Ohms	No.	Ohms	No.	Ohms
C4985	50000				

Your Cost Each, Any Size..... **70¢**

## MALLORY Yard-Ohm Resistance Kits



The Yard-Ohm Kit provides a real solution to the odd-value resistor problem. Ideal for meter shunts, for experimental labs, pre-production runs and for use wherever a high quality flexible resistor is desired. Contains all the necessary materials to construct flexible resistors of a wide range of values. Excellent for replacement applications. Each kit consists of an envelope containing 1 yard spiral wound resistance wire, 1 yard insulated braid and 24 spiral wire leads. Available in eight resistance values. Dissipation—all types; 1/2 watt per inch. Instructions included.

Stk. No.	Ohms	Cap. In. Amps.	Your Cost	Stk. No.	Ohms	Cap. In. Amps.	Your Cost
C4407	1	.707	<b>44¢</b>	C4411	50	.100	<b>44¢</b>
C4408	5	.315	<b>Any Type</b>	C4412	100	.071	<b>44¢</b>
C4409	10	.223		C4413	250	.044	<b>Any Type</b>
C4410	25	.141		C4414	500	.031	<b>Any Type</b>

## LECTROHM Wire-Wound Fixed Resistors



10 Watt units furnished with pig-tail leads. 20 Watt, 50 Watt and 100 Watt units have solder lug terminals. All types are coated with vitreous enamel and are space wound on low loss ceramic cores with resistance wire. 10% Tolerance.

10 Watt (5/8 x 1 3/4")							
Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms
1	20	250	750	1750	4500	10000	22500
2	25	300	800	2000	5000	12000	25000
3	50	350	900	2250	6000	12500	30000
5	75	400	1000	2500	7000	15000	40000
7.5	100	500	1200	3000	7500	17500	45000
10	150	600	1250	3500	8000	18000	50000
15	200	700	1500	4000	8500	20000	

**C7300—Specify Resistance. Any above type. Your Cost..... 24¢**

20 Watt (1 1/2 x 2") Mounting Centers 2 1/2"							
Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms
5	30	200	600	2000	7000	25000	70000
10	60	250	700	2500	7500	30000	75000
15	75	300	750	3000	10000	35000	80000
20	100	350	1000	4000	12500	40000	90000
25	125	400	1250	5000	15000	50000	100000
40	150	500	1500	6000	20000	60000	

**C7301—Specify Resistance. 5 to 5M Ohms. Your Cost..... \$0.41**  
**C7302—Specify Resistance. 6M to 10M Ohms. Your Cost..... .50**  
**C7303—Specify Resistance. 12,500 to 15M Ohms. Your Cost..... .47**  
**C7304—Specify Resistance. 20M to 25M Ohms. Your Cost..... .59**  
**C7305—Specify Resistance. 30M to 50M Ohms. Your Cost..... .71**  
**C7306—Specify Resistance. 60M to 75M Ohms. Your Cost..... .82**  
**C7307—Specify Resistance. 80M to 100M Ohms. Your Cost..... 1.12**

50 Watt (3/4 x 4 1/2") Mounting Centers 5 1/2"							
Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms
5	100	750	2500	6000	10000	20000	50000
10	200	1000	3000	7000	12000	25000	60000
25	250	1500	4000	7500	12500	30000	75000
50	500	2000	5000	8000	15000	40000	100000

**C7308—Specify Resistance. 5 to 5M Ohms. Your Cost..... \$0.65**  
**C7309—Specify Resistance. 6M to 25M Ohms. Your Cost..... .73**  
**C7310—Specify Resistance. 30M to 50M Ohms. Your Cost..... .85**  
**C7311—Specify Resistance. 60M to 75M Ohms. Your Cost..... 1.06**  
**C7312—100M Ohms. Your Cost..... 1.26**

100 Watt (1 1/2 x 6 1/2") Mounting Centers 7 1/2"							
Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms
25	150	1000	2000	5000	15000	30000	60000
50	250	1250	2500	7500	20000	40000	75000
75	500	1500	3000	10000	25000	50000	100000
100	750						

**C7313—Specify Resistance. 25 to 5M Ohms. Your Cost..... \$0.94**  
**C7314—Specify Resistance. 7,500 to 25M Ohms. Your Cost..... 1.06**  
**C7315—Specify Resistance. 30M to 50M Ohms. Your Cost..... 1.23**  
**C7316—Specify Resistance. 60M to 75M Ohms. Your Cost..... 1.35**  
**C7317—100M Ohms. Your Cost..... 1.47**

## LECTROHM Wire-Wound Adjustable Resistors

Vitreous Enamelled units. Particularly applicable to radio receivers, radio transmitter power supply, experimental and design work. Furnished with one adjusting lug and mtg. brackets.



10 Watt (5/8 x 1 3/4") Mounting Centers 2 1/2"							
Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms
1	10	75	300	750	2000	4000	7500
2	15	100	350	800	2250	4500	8000
3	20	150	400	1000	2500	5000	8500
5	25	200	500	1250	3000	6000	10000
7.5	50	250	600	1500	3500	7000	

**C7322—Specify Resistance. Any above type. Your Cost..... 35¢**

50 Watt (3/4 x 4 1/2") Mounting Centers 5 1/2"							
Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms
5	10	100	300	1000	3000	10000	25000
10	100	300	1000	3000	10000	25000	60000
25	150	400	1500	4000	12000	30000	75000
50	200	500	2000	5000	15000	40000	80000
75	250	750	2500	7500	20000	50000	100000

**C7326—Specify Resistance. 5 to 5M Ohms. Your Cost Each..... \$0.79**  
**C7327—Specify Resistance. 7,500 to 25M Ohms. Your Cost..... .88**  
**C7328—Specify Resistance. 30M to 50M Ohms. Your Cost..... 1.00**  
**C7329—Specify Resistance. 60M to 100M Ohms. Your Cost..... 1.41**

100 Watt (1 1/2 x 6 1/2") Mounting Centers 7 1/2"							
Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms
50	1000	4000	10000	30000	30000	40000	75000
100	2000	5000	15000	25000	35000	50000	100000
500	3000	7500					

**C7330—Specify Resistance. 50 to 5M Ohms. Your Cost..... \$1.20**  
**C7331—Specify Resistance. 7500 to 25M Ohms. Your Cost..... 1.32**  
**C7332—Specify Resistance. 30M to 50M Ohms. Your Cost..... 1.47**  
**C7333—Specify Resistance. 75M to 100M Ohms. Your Cost..... 1.62**

# IRC VOLUME CONTROLS

## "DS" Controls With Built-In Shafts



Same as "CS" controls in construction. 1 1/2" diameter. Has built-in shaft. "Double flattened" shaft takes 1/2" and 3/4" push-on knobs and set screw knobs without filing. Control diameter 1 1/2"; depth, less switch, 3/8"; depth, with switch, 29/32".

Stock No.	IRC "DS" No.	Ohms	Stock No.	IRC "DS" No.	Ohms	Stock No.	IRC "DS" No.	Ohms
C9100	11-103	500A	C9112*	16-118	15000F	C9125	13-130	250000C
C9101	11-108	1000A	C9113*	16-119	20000F	C9144*	14-130	250000D
C9102	11-110	2000A	C9115	11-120	25000A	C7807	13-132	350000C
C9103	11-112	3000A	C9114*	14-120	25000A	C9126	11-133	500000A
C9104	11-113	4000A	C9116	14-120	25000F	C9127	13-133	500000D
C9105	11-114	5000A	C9117	11-123	50000A	C7808	14-133	500000D
C9106	13-114	5000C	C9118	13-123	50000C	C9129	13-137	1 Meg. C
C9097	11-115	7500A	C9119	13-125	75000C	C9132	13-139	2 Meg. C
C9108*	11-116	10000A	C9120*	14-125	75000D	C9132	13-140	3 Meg. C
C9110	13-116	10000C	C9121	11-128	100000A	C9098	11-141	5 Meg. A
C9109*	14-116	10000D	C9122	13-128	100000C	C9099	11-142	7 Meg. A
C9107*	16-116	10000F	C9123	11-129	200000A	C9137	11-143	10 Meg. A
C9111*	14-118	15000D	C9124*	11-129	200000D			

\*Includes 300 ohm BT-1/2 Resistor. Any Type Above, Your Cost Each. **59¢**

## Tapped Standard Type "DS" Controls

No.	"DS" No.	Ohms	Tapped At	No.	"DS" No.	Ohms	Tapped At
C9145	13-130X	250000C	125000	C9136	VC-539X	1 Meg. A	25000
C7809	18-130X	250000H	60000	C9130	13-137X	1 Meg. H	250000
C9146	18-132X	350000H	75000	C9147	13-139X	2 Meg. H	500000
C9128	13-133X	500000H	125000				

Your Cost Each. **88¢**

## Switches for IRC Controls

Positive action. Underwriters' Lab. inspected. Quickly attached. S.P.D.T. Switches D.P.S.T. Switches S.P.D.T. Switches

C7796 "DS" 29¢	C7797 "DS" 35¢	C7798 "DS" 35¢
C7834 "W" 29¢	C7835 "W" 35¢	C7836 "W" 35¢
C9133 "CS" Each	C9135 "CS" Each	C9134 "CS" Each

## Metallized High Frequency Power

### and High Voltage Resistors

Type MP units are designed for service in ultra-high frequencies where power dissipation is required. Ideal for transmitter dummy loads and rhombic antenna terminations. Ceramic base coated with a metallized filament resistance material. Type MV units are designed for high voltage applications where high resistance and power are required. So constructed as to give the same performance as a large number of 1 watt resistors connected in series. A heavy varnish coating protects both types from mechanical injury and the effects of humidity. Available with lugs or ferrules. ±15% Tolerance. Write for prices and specify resistance, terminals and quantity desired.

IRC No.	Power Rating	Length	Diameter O.D.	I.D.	Minimum Ohms	Maximum Ohms
MPJ	5	3"	9/16"	3/8"	35	2.0 Meg.
MPP	10	4 1/2"	1 1/8"	3/4"	35	2.5 Meg.
MPA	20	6 1/2"	1 5/8"	7/8"	35	4.0 Meg.
MPO	35	10 1/2"	2"	1 1/4"	50	5.0 Meg.
MPR	100	18 1/2"	2 1/2"	2"	60	6.0 Meg.

IRC No.	Power Rating	Max. D. C. Volt Rat.	Length	Diam.	Min. Ohms	Max. Ohms
MVG	4 Watts	5M	2"	3/8"	10M	700 Meg.
MVP	10 Watts	10M	4 1/2"	7/8"	50M	2000 Meg.
MVA	20 Watts	25M	6 1/2"	1 1/8"	200M	4000 Meg.
MVO	35 Watts	50M	10 1/2"	1 5/8"	400M	8000 Meg.
MVR	100 Watts	100M	18 1/2"	2 1/2"	1.0 Meg.	20M Meg.

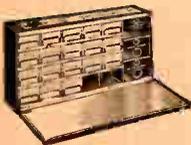
## Non-Inductive Wire Wound Resistors



A climate-proof cement coating provides a dependable protection for heavy duty work. No reduction in power ratings necessary. Low (distributed) capacity. Brackets included. SPECIFY Resistance.

C5105—Type NEP—50 Watts, 4 1/2 x 3 1/2". Standard values from 5 ohms to 5,000 ohms. **Your Cost Each**..... **\$1.76**  
 C5106—Type NHA—100 Watts, 6 1/2 x 1 1/2". Standard values from 5 ohms to 5,000 ohms. **Your Cost Each**..... **\$2.35**  
 C5107—Type NHO—200 Watts, 10 1/2 x 1 1/2". In following values: 25, 50, 100, 250, 500, 750, 1000, 1500, 2000, 2500, 3000, and 5000 ohms. **Your Cost Each**..... **\$2.94**

## IRC Control Kit

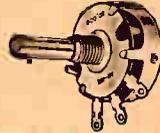


19 Universal size "DS" controls and 6 switches—equip servicemen for 75% of all radio replacements! Types included are recommended for replacement in over 10,850 models in IRC Manual. Factory packed in sturdy cabinet 14 1/2 x 7 x 4 1/2", finished in silver, blue and yellow. Separate compartment for each control; 3 handy drawers hold switches, and small parts.

Contains: 2 each 13-133, 13-137, 13-139X, 13-130X, 13-133X, 13-137X, 13-137X, 13-139, 14-116, and 16-119; 5 number 41 and 1 number 42 switches. Cabinet included FREE! Wt. 7 lbs. C7739 **Your Cost Complete**..... **\$14.46**

## Type "CS" Volume Controls

Dependable units easily adapted for a large percentage of all replacements. The entire length of the 3" shaft is flat. Outstanding features are: 5-Finger "Knee Action" Element Contactor; Spiral Spring Connector which eliminates one sliding, metal-to-metal contact; Metallized-type Resistance Element; and the Thrust Washer.



Stock No.	IRC "CS" No.	Ohms	Stock No.	IRC "CS" No.	Ohms	Stock No.	IRC "CS" No.	Ohms
C9231	11-103	500A	C9244	16-118	*15000F	C9257	13-130	250000C
C9232	11-108	1000A	C9245	16-119	*20000F	C9258	14-130	*250000D
C9233	11-110	2000A	C9246	11-120	25000A	C9259	13-132	350000C
C9234	11-112	3000A	C9247	14-120	*25000D	C9260	11-133	500000A
C9235	11-113	4000A	C9248	16-120	25000F	C9261	13-137	1.0 Meg. C
C9236	11-114	5000A	C9249	11-123	50000A	C9262	14-133	500000D
C9237	13-114	5000C	C9250	13-123	50000C	C9263	13-137	1.0 Meg. C
C9238	11-115	7500A	C9251	13-125	75000C	C9264	13-139	2.0 Meg. C
C9239	11-116	*10000A	C9252	14-125	*75000D	C9265	13-140	3.0 Meg. C
C9240	13-116	10000C	C9253	13-128	100000A	C9266	11-141	5.0 Meg. A
C9241	14-116	*10000D	C9254	13-128	100000C	C9267	11-142	7.0 Meg. A
C9242	16-116	*10000F	C9255	11-129	200000A	C9268	11-143	10.0 Meg. A
C9243	14-118	*15000D	C9256	14-129	*200000D			

\*Includes 300 ohm BT-1/2 Resistor. Any Above Type, Your Cost Each. **59¢**

## Tapped Standard Type "CS" Controls

Stock No.	IRC "CS" No.	Ohms	Tapped At	Stock No.	IRC "CS" No.	Ohms	Tapped At
C9269	13-130X	250000A	125000	C9273	13-137X	1.0 Meg. H	250000
C9270	18-130X	250000H	60000	C9274	VC-539X	1.0 Meg. A	500000
C9271	18-132X	350000H	75000	C9275	13-139X	2.0 Meg. H	500000
C9272	13-133X	500000H	125000				

Your Cost Each. **88¢**

## Dual Type "CS" Twin Controls

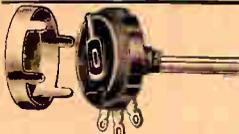
Duals for replacement use. Front section is nearest shaft.

Stock No.	IRC No.	Ohms	Front	Ohms	Rear	Stock No.	IRC No.	Ohms	Front	Ohms	Rear
C9138	35-1620	10000C	25000E	C9142	33-3333	500000C	500000C				
C9139	61-1623	10000F	50000A	C7851	33-3737	1 Meg. C	1 Meg. C				
C9140	33-2828	100000C	100000C	C9143	33-3939	2 Meg. C	2 Meg. C				
C9141	33-3030	25000C	350000C								

Your Cost Each, Any Type Above..... **\$1.47**

## Explanation of IRC Tapers

- A—Uniform (Potentiometer Voltage Divider)
- C—Antenna Shunt or Audio (Antenna Control)
- D—Antenna and "C" Bias (Antenna Grid Bias of 2 Tubes)
- F—Antenna and Bias (Antenna Grid Bias of 1 Tube)
- H—Tapped control for Tone Compensations



## "W" Wire Wound Controls

Diam. switch 1 1/4". Rated 2 watts, 3" shaft. Less switch, but switch covers can be added. Uniform taper. Switch cover, plates for use with these controls will be found in opposite column. Shield dust cover supplied.

Stock No.	IRC No.	Ohms	Stock No.	IRC No.	Ohms	Stock No.	IRC No.	Ohms
C7810	W-6	6	C7818	W-50	50	C7826	W-750	750
C7811	W-8	8	C7819	W-60	60	C7827	W-1000	1000
C7812	W-10	10	C7820	W-75	75	C7828	W-2000	2000
C7813	W-15	15	C7821	W-100	100	C7829	W-3000	3000
C7814	W-20	20	C7822	W-200	200	C7830	W-4000	4000
C7815	W-25	25	C7823	W-300	300	C7831	W-5000	5000
C7816	W-30	30	C7824	W-400	400	C7832	W-7500	7500
C7817	W-40	40	C7825	W-500	500	C7833	W-10000	10000

Your Cost Each, Any Above Type..... **59¢**

## IRC All-Metal Rheostats

All-metal units with die-cast aluminum case. Heat is uniformly distributed throughout the element regardless of percentage of element actually used. Flat clockspring (Silent Spiral Connector) gives positive contact between rotor arm and center connector, 25-Watt units 1 1/2" dia., 3/4" behind panel; 50-Watt units 2 3/8" dia., 1 1/8" behind panel. Shpg. wt. 2 lbs.

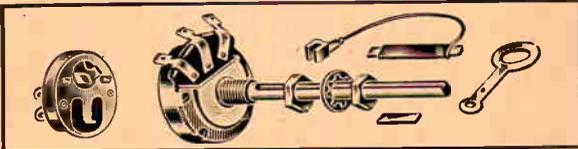


25-Watt Rheostats			50-Watt Rheostats		
No.	Ohms	Amps. Each	No.	Ohms	Amps. Each
C9150	6	2.04	C7746	6	2.88
C9151	10	1.58	C7747	16	1.77
C9152	25	1.00	C7748	50	1.00
C9153	50	.709	C7749	125	.630
C9154	75	.575	C7750	225	.470
C9155	100	.500	C7751	300	.407
C9156	250	.315	C7752	500	.315
C9157	350	.267			
C9158	500	.222			
C9159	750	.173	C7753	1000	.223
C9160	1000	.155	C7754	2500	.140
C9161	1500	.129			
C9162	2500	.100	C7755	5000	.100
C9163	5000	.070	C7756	10000	.070

**\$2.35** **\$2.65** **\$2.79** **\$2.94**

# MALLORY VOLUME CONTROLS

## UNIVERSAL VOLUME CONTROLS



The Mallory-Yaxley Volume Controls listed on these pages can be used to service over 90% of all the radio receivers now in use. With comparatively few units, the serviceman is enabled to meet practically all service requirements. Mallory-Yaxley Controls feature: minimum bias adjustment on all bias controls; 3" shafts that can be shortened by notching and breaking off; complete shielding; all furnished with knob adapter, and mounting hardware. Approved switch (listed below) can be added to any control.

## UNIVERSAL REPLACEMENT CONTROLS

All with two mounting nuts, washer, ground terminal and knob adapter. Wire wound units have adjustable bias feature (exclusive Mallory-Yaxley); carbon element units with adjustable bias resistor where required.

No.	Part	Type	Ohms	Taper	No.	Part	Type	Ohms	Taper
C6660	Q	WW	2	4	C6675	H*	WW	15000	2
C6661	R	WW	6	4	C6713	H7*	WW	15000	7
C6662	S	WW	10	4	C6714	H12*	Car.	15000	1
C6663	T	WW	20	4	C6741	A20MP*	WW	20000	4
C6664	U	WW	30	4	C6715	Y*	Car.	20000	1
C6665	V	WW	60	4	C6742	Y25MP	Car.	25000	4
C6666	W	WW	100	4	C6676	J*	Car.	25000	1
C6667	X	WW	200	4	C6743	Y50MP	Car.	50000	4
C6732	A400P	WW	400	4	C6677	K*	Car.	50000	2
C6668	A	WW	500	1	C6716	K12	Car.	50000	1
C6733	A550P	WW	550	4	C6717	Z*	Car.	75000	2
C6734	A1MP	WW	1000	4	C6718	Z12	Car.	75000	1
C6669	B	WW	1000	1	C6719	Z12	Car.	75000	1
C6719	UC500	WW	1000	2	C6744	Y100MP	Car.	100000	4
C6735	A2MP*	WW	2000	4	C6745	Y200MP	Car.	100000	1
C6670	C*	WW	2000	2	C6720	UC510*	Car.	100000	2
C6704	C12*	WW	2000	1	C6721	UC502	Car.	150000	1
C6736	A3MP*	WW	3000	4	C6746	Y250MP	Car.	200000	4
C6671	D*	WW	3000	2	C6679	M	Car.	250000	1
C6705	D7*	WW	3000	7	C6730	UC511†	Car.	250000	1
C6706	D12*	WW	3000	1	C6728	UC509*	Car.	250000	2
C6737	A5MP*	WW	5000	4	C6747	Y500MP	Car.	500000	4
C6738	Y5MP	Car.	5000	4	C6680	N	Car.	500000	1
C6672	E*	WW	5000	2	C6731	UC512†	Car.	500000	1
C6707	E7*	WW	5000	7	C6793	UC513	Car.	500000	2
C6708	E12*	Car.	5000	1	C6722	UC503	Car.	750000	1
C6673	F*	WW	7500	2	C6748	Y1000MP	Car.	1 Meg.	4
C6709	F7*	WW	7500	7	C6681	O	Car.	1 Meg.	1
C6710	F12*	Car.	7500	1	C6794	UC514†	Car.	1 Meg.	1
C6739	A10MP*	WW	10000	4	C6682	P	Car.	2 Meg.	1
C6740	Y10MP	Car.	10000	4	C6723	UC504	Car.	3 Meg.	1
C6674	G*	WW	10000	2	C6724	UC505	Car.	4 Meg.	1
C6711	G7*	WW	10000	7	C6725	UC506	Car.	5 Meg.	1
C6712	G12*	Car.	10000	1	C6726	UC507	Car.	5 Meg.	2
C6720	UC501	Car.	10000	2	C6727	UC508	Car.	9 Meg.	1

Car.—Carbon element. WW—Wire wound. \*—Has adjustable bias feature. Wire wound units have adjustable plate; carbon element controls have external adjustable resistor. †—Has slotted shaft for auto sets. Supplied Less Switch.

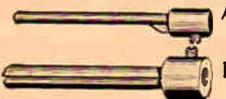
Your Cost Each, Any of the above Controls..... **59¢**

### Control Switches



Stock No.	Part No.	Type	Each
C6288	6-9	S.P.S.T.	29¢
C12853	8	S.P.D.T.	<b>35¢</b>
C6289	7	D.P.S.T.	
C6290	13	3-P.S.T.	
C6291	14	4-P.S.T.	

### Extension Shafts



Type A—Length 4".  
 C6561— $\frac{1}{4}$ " diam.,  $\frac{1}{2}$ " flat.  
 C6562— $\frac{1}{4}$ " diam.,  $\frac{3}{8}$ " flat.  
 C6563— $\frac{1}{2}$ " diam.,  $\frac{1}{4}$ " flat.  
 Any Size,  
 Your Cost Each..... **18¢**  
 Type B—2" long,  $\frac{1}{4}$ " diameter with  $\frac{1}{2}$ " slot. Enclosed in tight fitting tube.  
 C6558—Your Cost..... **21¢**

### Mounting Brackets



For use where control mounts off chassis. Plated metal. Adjustable mounting centers.

C6297—Type RB-248—Mounting centers  $1\frac{1}{2}$ " to  $2\frac{3}{8}$ ".  
 C6298—Type RB-249—Mounting centers  $2\frac{3}{8}$ " to  $2\frac{3}{4}$ ".

Your Cost Each, Either Type..... **12¢**

### Control Hex Nuts

No.	For Panels	Each
C6384	$\frac{1}{4}$ "	9¢
C6386	$\frac{3}{8}$ "	12¢
C6385	$\frac{1}{2}$ "	15¢

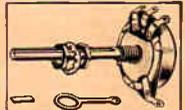
### Volume Control Wrench



For standard volume control nuts.  
 C6387—No. 178  
 Your Cost Each..... **12¢**

## Standard Universal Tapped Controls

Standard  $1\frac{1}{2}$ " diameter controls with tap for various applications. Furnished with two nuts, washer, ground terminal and knob adapter. \*No provision for use with switch; if switch is desired use TRP624. †Has slotted shaft for auto sets. ‡Special taper for fader service. Others are taper 1. Less switches. Shpg. wt. 5 oz.



Stock No.	Mfrs. No.	Res. Ohms	Tapped At Ohms	Stock No.	Mfrs. No.	Res. Ohms	Tapped At Ohms
C6543	TRP601	40000	8000	C6588	TRP615	3 Meg.	90000
C6544	TRP602	60000	4000	C6589	TRP616	60000	6000
C6545	TRP603	250000	110000	C6590	TRP617	60000	12000
C6546	TRP604	350000	20000	C6591	TRP618	2 Meg.	250000
C6547	TRP605	350000	70000	C6592	TRP619	500000	{ 100000 250000
C6577	TRP606	500000	100000	C6593	TRP620	2 Meg.	900000
C6578	TRP607	500000	225000	C6594*	TRP621	2 1/2 Meg.	{ 250000 50000
C6579	TRP608	1 Meg.	200000	C6595	TRP622	44000	{ 7000 14000
C6580	TRP609†	1 Meg.	500000	C6596	TRP623	250000	50000
C6581	TRP610	1 Meg.	30000	C6576	TRP624	2 1/2 Meg.	{ 250000 500000
C6583	TRP612	2 Meg.	15000				
C6586	TRP613	2 Meg.	400000				
C6587	TRP614†	350000	70000				

Your Cost Each, Any of the Above..... **88¢**

## Standard Universal Dual Controls

Consists of two volume controls strapped together and driven by a single shaft. Units listed service practically all receivers.

Stock No.	Mfrs. No.	Type	Front Res. in Ohms	Rear Res. in Ohms	Taper
C6684	CE	WW	2000	5000	I I
C6685	GE	WW	10000	5000	VII IV
C6686	GG	WW	10000	10000	VII IV
C6687	GK	Car.	10000	50000	I IV
C6689	LL	Car.	100000	100000	I I
C6687	LM	Car.	100000	250000	I I
C6749	MM	Car.	250000	250000	I I
C6750	MN	Car.	250000	500000	I I
C6689	NN	Car.	500000	500000	I I

WW—Wire Wound element. Car.—Carbon element.

Your Cost Each, Any Size..... **\$1.47**

### Explanation Of Mallory Volume Control Tapers

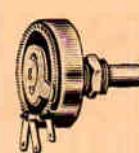
- No. (1) For audio or antenna shunt circuits.
- No. (2) For series circuits such as cathode voltage controls.
- No. (3) For antenna shunt and "C" bias circuits.
- No. (4) Linear taper; for voltage divider circuits.
- No. (4a) Modified linear taper, similar to No. 4.
- No. (7) Wire wound element. For antenna and "C" bias.

## MALLORY-YAXLEY Encyclopedia 4th Edition

Newest, biggest, most valuable issue. Contains data on over 27,000 standard sets and answers practically all service problems. Since special type volume controls are not available for the duration, servicemen will find the section, especially valuable, which lists the correct universal control to be used for all standard make sets. Over 400 pages of IF peaks, volume control data, vibrators, tubes, circuits, condensers, part numbers, etc. Measures  $10\frac{1}{2} \times 8\frac{1}{2}$ ". Wt. 2 lbs. **95¢**  
 C19786—Your Cost.....

## COMPACT RHEOSTATS & POTENTIOMETERS

### TYPE C—2 WATTS



Wire Wound. Controls ideal for use where space is limited. Contact arm is grounded to the shaft. Diam.  $1\frac{1}{4}$ ",  $\frac{1}{4}$ " shaft is  $\frac{3}{8}$ " long.

No.	Ohms	No.	Ohms
C6197	6	C6201	30
C6198	10	C6202	40
C6199	15	C6203	50
C6200	20	C6204	100

Your Cost Each, Any Type..... **44¢**

### POTENTIOMETERS

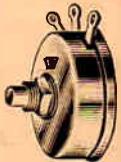
No.	Ohms	No.	Ohms
C6205	6	C6210	40
C6206	10	C6211	50
C6207	15	C6212	100
C6208	20	C6213	200
C6209	30	C6214	400

Your Cost Each, Any of the Above..... **59¢**

C6215—1000ohms }  
 C6216—3000ohms } Ea. **73¢**  
 C6217—5000ohms }  
 C6218—6000ohms }  
 C6219—10000ohms } Ea. **88¢**  
 C6220—15000ohms }

### TYPE M—4 WATTS

Wire Wound. Conservatively rated at 4 watts. Fully enclosed.  $1\frac{1}{2}$ " diam.; mount in  $\frac{1}{8}$ " hole. Shaft  $\frac{1}{4}$ " diam.,  $\frac{3}{8}$ " long. With dust cover.



No.	Ohms	No.	Ohms
C6480	1	C6486	20
C6481	2	C6487	25
C6482	3	C6373	40
C6483	6	C6174	50
C6484	10	C6175	60
C6485	15	C6176	75

Your Cost Each, Any Above Type..... **44¢**

### POTENTIOMETERS

No.	Ohms	No.	Ohms
C6503	20	C6496	200
C6492	50	C6497	400
C6495	100		

Your Cost Each..... **59¢**

C6498—1000 }  
 C6500—3000 } C6499—2000  
 C6501—5000 }  
 Your Cost Each..... **73¢**

C6502—10000 }  
 C6178—20000 } C6177—15000  
 C6179—25000 }  
 Your Cost Each..... **88¢**

C6180—50000 }  
 C6181—70000 }  
 Your Cost Each..... **\$1.18**

# And ACCESSORIES • MALLORY

P. R. MALLORY & CO. Inc.



## "UM" and "TM" Junior Controls

Ultra-compact controls featuring noiseless composition elements; attachable switches; plug-in type shafts. Both UM and TM types have slotted shafts which will take any one of the 28 different types of special shafts listed below. The TM types are similar to the UM but are provided with a tap as shown. TM type designed for use in tone compensating circuits. All are 1/2" thick, 1 1/4" diameter.

### "UM" TYPE JUNIOR CONTROLS

Stock No.	Type	Ohms & Taper	Stock No.	Type	Ohms & Taper	Stock No.	Type	Ohms & Taper
C6926	UM114	5M (4A)	C6935	UM133	50M (1)	C6944	UM147	250M (1)
C6927	UM118	10M (1)	C6936	UM134	50M (2)	C6945	UM149	250M (4)
C6928	UM119	10M (2)	C6937	UM135	50M (4)	C6946	UM151	350M (1)
C6929	UM120	10M (4)	C6938	UM137	75M (1)	C6947	UM154	500M (1)
C6930	UM121	15M (1)	C6939	UM138	75M (2)	C6948	UM156	500M (4)
C6931	UM122	15M (2)	C6940	UM140	100M (1)	C6949	UM158	750M (1)
C6932	UM124	20M (1)	C6941	UM141	100M (2)	C6950	UM161	1 Meg (1)
C6933	UM128	25M (2)	C6942	UM142	100M (4)	C6951	UM163	2 Meg (1)
C6934	UM129	25M (4)	C6943	UM144	150M (1)	C6952	UM165	3 Meg (1)

Type UM Controls (less shaft)

Your Cost, Any Size.

**59¢**

### "TM" Type Tapped Controls

No.	Type	Ohms	Tapped	No.	Type	Ohms	Tapped
C6953	TM220	250M	50M	C6959	TM240	1 Meg.	200M
C6954	TM221	250M	110M	C7006*	TM241	1 Meg.	200M
C7013*	TM222	250M	110M	C7007*	TM242	1 Meg.	450M
C7014*	TM223	500M	60M	C6960	TM243	1 Meg.	450M
C7015*	TM224	500M	100M	C7008	TM244	1 1/2 Meg.	200M
C6955	TM225	350M	70M	C6961	TM245	2 Meg.	5M
C7016	TM226	500M	15M	C6962	TM246	2 Meg.	15M
C7017	TM227	500M	100M	C6963	TM247	2 Meg.	60M
C6956	TM228	500M	5M	C6964	TM248	2 Meg.	250M
C6957	TM230	500M	150M	C6965	TM249	2 Meg.	600M
C6958	TM231	500M	225M	C7009	TM250	2 Meg.	125M
C7018*	TM232	500M	225M	C6966	TM251	2 Meg.	900M
C7019	TM233	500M	60M	C7010*	TM252	2 Meg.	900M
C7020	TM234	1 Meg.	65M	C7011	TM254	2 Meg.	400M
C7021	TM236	1 Meg.	125M	C6967	TM257	3 Meg.	900M
C7022	TM238	1 Meg.	300M	C7012	TM259	2 Meg.	900M
C6864*	TM239	1 Meg.	300M				

Type TM Controls (less shaft)

Any Type Above, Your Cost Each

**73¢**

### MALLORY-YAXLEY Attachable Switches

Fit all "UM" "TM" & "MR" Junior controls listed on this page.

C6968—Single Pole, Single Throw.

Each

C6969—Double Pole, Single Throw

C6970—Single Pole, Double Throw

C6972—Four Pole, Single Throw (Shorting Type)

**29¢**

Each **35¢**

### CENTRALAB FADERS

#### Straight Fader

For use with high impedance input devices, xtal pickups, mikes, etc. Provide smooth quiet fading from one source to another.

Each tapped at center.

Stock Resistance

No. Each Size c.t. Your Cost

C9004 500M **\$1.18**

C9005 1 Meg.

#### Gain Control

Like above but without center tap.

Stock No. Resistance Each

C9000 250M **\$1.03**

C9001 500M

C9002 1 Meg.

C9003 2 Meg.

#### "Delta-T" Pad

Dual control maintaining constant impedance to both sides. For sound amplifiers, recorders, etc.



Stock No. Imp. Each

C9006 50 ohms **\$2.06**

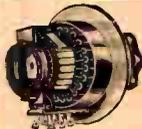
C9007 200 ohms

C9008 500 ohms

### AC SWITCH

Compact one-control switch with AC switch attached. Three positions: AC off, AC on, tone switch open, tone switch closed, 1/2" shaft—2 1/2" long. AC switch rated 3amps 125 volts. Less mounting nut. Quantity limited.

C12897—Your Cost. **19¢**



### IRC 21-Step Attenuators. Type A-21

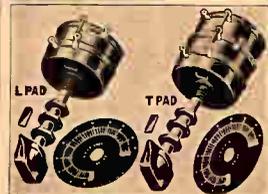
Utilize a molded motor commutator switch with conducting segments of drawn copper and clock-spring connectors. Exceptionally low noise level. Attenuation from zero to infinity in 21 steps. Has removable cover and calibrated dial. Size: 2x2"; centers 1 1/2" apart. Available in popular ladder or potentiometer network types. Supplied with black molded finger-grip knob.

No.	Ohms	Network	Each	No.	Ohms	Network	Each
C7741	50	Ladder	\$6.86	C7744	500	Ladder	\$6.86
C7742	200	Ladder	6.86	C7745	1/4 Meg.	Potent.	6.62
C7743	250	Ladder	6.86				

### CLAROSTAT 10-Watt Output Attenuators

Type C1B: Compact constant impedance attenuators that will dissipate 10 watts in any position. Ideal for individual speaker controls. Linear attenuation in 3 db steps to 30 db final step to infinity. Units are 2" dia., 2 1/2" long. Mount in single hole. Bushing 3/8" shaft 1" long. Supplied with dial plate and knob. Shpg. wt. 1 lb.

No.	Ohms	No.	Ohms	No.	Ohms	Any Type, Each
C7837	8	C7839	50	C7841	250	<b>\$6.37</b>
C7838	15	C7840	200	C7842	500	



### Mallory "T" & "L" Pads

"L" Pads "T" Pads

No. Ohms Imp. No.

C6356 6 C6362

C6357 8 C6363

C6358 15 C6364

C6359 50 C6365

C6381 200 C6366

C6360 250 C6382

C6361 500 C6367

C6362 2000 C6368

"L" Pads: **\$2.06**

Any Type Above. **\$2.94**

"T" Pads: **\$2.94**

Any Type Above. **\$2.94**

Attenuators, "T" and "L" Pads and Faders are available on priority only. To expedite delivery on your orders, please include your highest authorized preference rating.

## Type "MR" Junior Controls



Ultra-compact controls are similar to the types UM and TM junior controls listed at left except that they feature standard shafts, 3" long, milled the entire length and furnished with knob adapters (for spring type knobs). All are rated conservatively at 1/2 watt.

No.	Type	Ohms	No.	Type	Ohms	No.	Type	Ohms
C6900	MR14	5M (4A)	C6909	MR33	50M (1)	C6918	MR44	250M (2)
C6901	MR18	10M (1)	C6910	MR34	50M (2)	C6919	MR45	250M (2)
C6902	MR19	10M (2)	C6911	MR35	50M (4)	C6920	MR48	500M (1)
C6903	MR20	10M (4)	C6912	MR36	75M (1)	C6921	MR50	500M (4)
C6904	MR21	15M (1)	C6913	MR37	75M (2)	C6922	MR51	750M (1)
C6905	MR22	15M (2)	C6914	MR39	100M (1)	C6923	MR53	1 Meg (1)
C6906	MR24	20M (1)	C6915	MR40	100M (2)	C6924	MR55	2 Meg (1)
C6907	MR28	25M (2)	C6916	MR41	100M (4)	C6925	MR57	3 Meg (1)
C6908	MR29	25M (4)	C6917	MR42	150M (1)			

Type MR Controls, Any Size, Each

**59¢**

### Junior Controls With Fixed Knurled Shafts

Similar to type "MR" controls above, but have 3" universal knurled shaft for replacing original units of this type.

Stock No.	Type	Ohms & Taper	Stock No.	Type	Ohms & Taper
C6637	MK400	250M (1)	C6639	MK402	1 Meg. (1)
C6638	MK401	500M (1)	C6640	MK403	2 Meg. (1)

Type MK Controls,

Your Cost Each, Any Type

**59¢**



### MALLORY-YAXLEY Plug-In Shafts

Fit all UM and TM junior controls. Adapt for use with most auto and home radios.

- C6973—SS1. Replaces any 1/2" round shaft or 1/2" or 3/4" flattened shaft up to 4" long. Each... 15c
- C6974—SS2. Each... 15c
- C6975—SS3. Replaces any 3/4" slotted shaft up to 2" long... 21c
- C6976—SS4. Each... 15c
- C6977—SS5. Each... 15c
- C6978—SS6. RCA, Hudson H6... 15c
- C6982—SS10. Each... 15c
- C6983—SS11. Replaces any 3/4" slotted shaft 2 to 4" long... 21c
- C6984—SS12. Each... 15c
- C6986—SS14. Replaces any 7/8" slotted shaft to 2" long... 21c
- C6987—SS15. Replaces any 3/4" slotted shaft 4 to 6" long... 21c
- C6988—SS16... 15c

- C6989—SS17. Replaces any slotted "Insacup" shaft to 6" long 29c
- C6992—SS18. For Belmont... 15c
- C6993—SS19. Each... 29c
- C6994—SS20. Each... 29c
- C6995—SS21. Motorola model 17D. Each... 21c
- C6996—SS22. Each... 15c
- C6997—SS23. Each... 15c
- C6998—SS24. Each... 15c
- C6999—SS25. Replaces standard knurled shafts from 1/4" to 4" long. Each... 15c
- C6809—SS26. Zenith sets... 15c
- C6810—SS27. Philco sets... 15c
- C6820—SS28. Motorola sets 29c
- C6821—SS29. Motorola sets 15c
- C6822—SS30. Motorola sets 15c
- C6826—SS31. Philco sets... 15c
- C6827—SS32. Philco sets... 15c

### UTAH "T" & "L" Pads



The open frame type mounts in a single 1/2" hole. Dim. 2 1/4" diam., 1/2" deep. Enclosed dual frame type, 1 1/2" diam. and 1 1/2" deep.

#### 8 Watt "L" Pads (A)

No.	Ohms	No.	Ohms
C6388	8	C6391	200
C6389	16	C6392	500
C6390	50	C6393	1000

Your Cost Each, **\$1.47**

Any Above Type.

15 Watt "L"—10 Watt "T" (B)

Imped. 15W—"L" 10W—"T"

Ohms Stock No. Stock No.

8 C6567 C6571

16 C6568 C6572

50 C6394 C6396

200 C6395 C6397

500 C6569 C6573

1000 C6570 Any C6574

Any Type, **\$1.91** Each **2.20**



# VOLUME CONTROLS

## CRL Split Knurl Midget Radiohms



For 1938-39-40-41 radios using split-knurl shafts where the knobs will not fit any other type of shaft. Shafts 3/8" long.

No.	CRL	Ohms	Each
C8285	NK-139	250M	} <b>59¢</b>
C8286	NK-140	500M	
C8287	NK-141	1 Meg.	
C8288	NK-142	2 Meg.	
C8289	NK-143	500M*	
C8291	NK-144	1 Meg.*	} <b>88¢</b>
*—Tapped controls.			

## CENTRALAB Power Rheostats

Ideal for use as motor speed controls, charging rate regulators, etc. All metal frame; core insulated with treated asbestos. Wire wound. All for single hole mounting; knob supplied. Diameter 2"; bushings 3/4 x 1/2" long. Depth behind panel: 25 watt units 3/4"; 50 watt units 1 1/4"; 75 watt units 1 3/4". All have tinned solder lug terminals for easy connections. Shpg. wt. 1 lb.



25-Watts		50-Watts	
Stock No.	Res. Ohms	No.	Ohms
C8977	2	C8987	25
C8978	6	C8988	60
C8979	15	C8989	150
C8980	50	C8990	500
C8976	100	C8960	2500
C8981	150	C8992	5000
C8957	250	<b>Your Cost \$1.47</b>	
C8982	400	<b>Your Cost \$1.47</b>	
C8958	500	<b>Your Cost \$1.47</b>	
C8983	1000	C8995	50
C8984	5000	C8996	150
		C8997	300
		C8998	500
		C8999	1000
<b>Your Cost Each \$1.18</b>		<b>Your Cost \$1.76</b>	

## HARDWICK-HINDLE 25-Watt Rheostats



Each element is wound on a pure mica form placed in refractory base which is embedded in vitreous enamel. Each has a 3/8" bushing and nut for single hole mounting; depth behind panel 1 1/2"; base diameter 1 1/2"; 3/4" shaft; rotation 285 degrees. All rated 25-watts maximum. Have screw terminals. Furnished with knob.

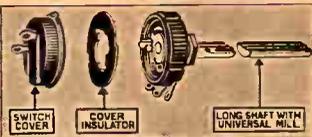
Stock No.	Res. Ohms	Max. Amps.	Your Cost
C8963	10	1.58	} <b>\$1.68</b>
C8964	25	1.00	
C8965	50	.706	
C8966	100	.500	
C8967	250	.316	
C8968	500	.222	} <b>\$1.96</b>
C8969	1000	.158	
C8970	2500	.100	
C8971	5000	.070	

## 1 Meg. Midget Volume Control and Switch



Standard 1/4" shaft extending 3/8" from bushing. Complete with SPST switch. C8141—Your Cost **43¢**

## Centralab Midget and Standard Volume Controls



Standard Radiohms  
Noted for their long noiseless life these famous controls employ a patented non-wearing contact arrangement. A highly polished metal band is pressed into contact with the resistance strip by the rotating arm. Contact between the arm and the band is by means of an oil-treated wood button that is absolutely noiseless and perfectly smooth in operation. Control dimensions: Diameter—1 1/4"; Depth—9/16"; Shaft length—2 1/2"; Diameter—1/4"; Bushing diameter—3/8". Flat milled shaft. Listing below includes new CRL type numbers less switch. Order by these or by the old CRL numbers. With switch numbers are the same except for prefix letter which is "B" in place of "A"; "BT" in place of "AT" and "BF" in place of "AF." This will aid you in obtaining the exact control you need, as listed in the new CRL Guide. Tapers follow:

- U—Voltage Divider (uniform)
- S—Antenna Shunt
- A—Antenna Shunt & "C" Bias
- Al—Antenna Shunt & "C" Bias for 1 Tube
- A2—Ant. Sh. & "C" Bias 2 Tubes
- C—"C" Bias
- T—Tone Control
- GT—Audio Grid or Tone Control
- P—Series in R.F. Plate

No.	CRL	Ohms	No.	CRL	Ohms	No.	CRL	Ohms
C8876	A-100	500U	C8873	AF-112	15,000A	C8880	A-123	100,000GT
C8865	A-101	1000U	C8931	AF-113	15,000A1	C8697	A-124	150,000GT
C8859	A-102	2000U	C8877	AF-114	20,000A	C8878	A-125	200,000GT
C8866	A-103	3000U	C8869	AF-115	25,000U	C8694	AF-126	200,000C
C8867	A-104	4000U	C9032	AF-116	25,000C	C8879	A-127	250,000GT
C8868	AF-105	5000U	C8860	AF-117	25,000S	C8864	A-128	500,000U
C8842	A-106	5000S	C8861	A-118	50,000U	C8841	A-129	500,000P
C8907	AF-107	7500U	C8875	A-119	50,000T	C8863	A-130	500,000GT
C8872	AF-108	10,000A	C9033	A-120	75,000T	C8908	A-131	750,000GT
C8871	AF-109	10,000A1	C8840	AF-121	75,000C	C8874	A-132	1 Meg. GT
C8843	AF-110	10,000A2	C8862	A-122	100,000U	C8890	A-133	2 Meg. GT
C8858	A-111	10,000S				C8696	A-134	3 Meg. GT

WIRE WOUND RADIOHMS			
No.	CRL	Ohms	No.
C8959	V-104	6 C8683	V-123
C8961	V-108	10 C8684	V-126
C8681	V-116	50 C8685	V-127
C8682	V-121	100 C8686	VF-129
			200 C8687
			400 C8765
			500 C8804
			1000 C8766

TAPPED RADIOHMS (For Tone Compensation)			
No.	CRL	Ohms	No.
C8891	AT-135	250,000 ohms GT	
C8881	AT-136	500,000 ohms GT	
C8882	AT-137	1 Megohm GT	
C8909	AT-138	2 Megohms GT	

TWIN REPLACEMENT RADIOHMS			
Stock No.	CRL No.	Front Ohms	Rear Ohms
C8912	C-100	10,000	25,000
C8913	C-101	19,000	50,000
C8758	C-102	100,000	100,000
C8768	C-103	250,000	250,000
C8787	C-104	500,000	500,000

SWITCH COVERPLATES For Standard Radiohms			
No.	CRL	Ohms	No.
C8665	S.P.S.T.	29c	C8669
C8666	S.P.D.T.	35¢	C8670
C8660	D.P.S.T.	35¢	C8661

## CENTRALAB Midget Radiohms

Small diameter controls for use in auto radio sets or in midget radios. Molded bakelite cases. All potentiometer type, with insulated terminals. Depth, less switch, 3/8". 2 1/2" shaft milled entire length. Separate switches easy to install. Same taper symbols as shown with standard Radiohms above. CRL type numbers given below are less switch—CRL type numbers for controls with switch have prefix "P" in place of "N".

No.	CRL	Ohms	No.	CRL	Ohms	No.	CRL	Ohms
C8187	NF106	5000U	C8281	NF112	20,000A			
C8190	NF107	10,000A	C8217	NF113	25,000U	C8192	N102	250,000GT
C8188	NF108	10,000A1	C8191	NF114	25,000A	C8273	N118	500,000U
C8189	NF108	10,000A2	C8218	N114	50,000U	C8193	N103	500,000GT
C8278	N108	10,000S	C8219	N115	50,000T	C8194	N104	1 Meg. GT
C8279	NF110	15,000A1	C8220	N116	100,000U	C8169	N155	2 Meg. GT
C8280	NF111	15,000A2	C8272	N117	100,000GT			

Any Type Listed Above (Less Switch) Each **59¢**

Tapped Midget Radiohms			Midget Switch Plates		
No.	CRL	Ohms	Stock No.	Type	Each
C8274	NT119	250,000	C8195	S.P.S.T.	29c
C8275	NT120	500,000	C8196	S.P.D.T.	35¢
C8276	NT121	1 Meg.	C8197	D.P.S.T.	35¢
C8277	NT122	2 Meg.	C8198	4 Point	35¢
			C8199	*S.P.S.T.	35¢

**FREE** With every order for 5 or more CRL controls ask for a copy of CRL Volume Control Guide. If ordered separately, C1969—EACH **10c**

## CLAROSTAT Wire Wound Controls



Standard wire wound controls in bakelite cases. Switch covers easily attached. Control diameter 1 5/8". Mount in 3/8" hole. 1/4" shaft extends 1 1/2". Units marked with asterisk (\*) are rheostat type; all others potentiometers.

Stock No.	Res. Ohms	Stock No.	Res. Ohms
C7048*	1	C7093	750S
C7049*	2	C7092	1000S
C7050*	3	C7090	2000S
C7051*	4	C7089	2000L
C7052*	6	C7088	2000V
C7053*	10	C7087	3000S
C7054*	15	C7086	3000U
C7055*	20	C7047	4000S
C7056*	25	C7084	5000S
C7057*	30	C7083	5000U
C7058*	40	C7082	5000V
C7059	50S	C7080	7500U
C7061*	60	C7079	7500V
C7062*	75	C7078	10000S
C7098	100S	C7075	10000V
C7097	200S	C7074	10000W
C7096	300S	C7073	15000U
C7095	400S	C7072	15000V
C7094	500S	C7070	20000S

Your Cost Each, Any Above Type **57¢**  
C7068 25000S } C7066 40000S  
C7067 30000S } C7065 50000S  
Your Cost Each, Any Above Type **73¢**  
C7064 75000S }  
C7063 100000S } Ea. **\$1.18**  
Switch Cover For Above  
Switch coverplate only, fits all units.  
C6837—S.P.S.T. Each **29c**

## UTAH Wire-Wound Midget Controls

Rheostats and potentiometers are 1 1/2" diam. Mount in 3/8" hole and extend 1/4" in back of the panel. 1/4" diam. shafts extend 1 1/2".



3-Watt Potentiometers			
No.	Ohms	No.	Ohms
C6515	6	C6520	400
C6516	10	C6521	500
C6517	15	C6522	1000
C6518	20	C6523	1500
C6519	200		

Any Type Listed Above **26¢**

3-Watt Rheostats			
No.	Ohms	No.	Ohms
C6524	3	C6529	25
C6525	6	C6530	30
C6526	10	C6531	40
C6527	15	C6532	50
C6528	20	C6533	75

## UTAH Controls

Only 1" diam.—1/8" deep. Shaft 1 1/2" long. Switches cannot be used. Tapers: U—uniform; C—clockwise; L—counter-clockwise.  
C8244 1000U } C8255 25000U  
C8245 2000U } C8256 25000C  
C8246 3000U } C8258 50000U  
C8248 5000U } C8259 75000L  
C8249 5000C } C8266 100000C  
C8251 10000C } C8267 200000U  
C8252 10000U } C8268 250000C  
C8253 15000C } C8269 500000C  
C8254 20000C } C8270 1 Meg. C  
10 For \$2.70 **29¢**



# STANCOR Replacement TRANSFORMERS

## UNIVERSAL MOUNTING POWER TRANSFORMERS

★ Electrostatically Shielded

★ 5 Possible Mounting Positions

★ Primaries for 115 V. 50/60 Cycles

★ Heavy 8-Inch Flexible Leads



Type "M" Mount



Vertical Mount



Horizontal Mount



2 or 4 Hole Half Shell

Stock No.	Type No.	No. of Tubes	Your Cost	Plate		Rec. Fil.		Fil. No. 1		Fil. No. 2		Mtg. Area	Wt. Lbs.
				Vlts.	M.A.	V.	A.	V.	A.	V.	A.		
C1706	P-6001	4-5	\$2.18	650	40	5	2	2.5	4			2 1/2 x 3"	4
C1712	P-6002	5-6	2.79	700	50	5	3	2.5	7 1/4			2 1/2 x 3"	4
C1713	P-6003	6-7	2.91	700	70	5	3	2.5	9			2 1/2 x 3 3/8"	4
C1714	P-6004	8-9	3.41	700	90	5	3	2.5	12.5			3 1/8 x 3 3/8"	6
C1719	P-6009	6-7	3.20	550	70	5	3	5.0	5	2.5	10.5	2 1/2 x 3 3/8"	5
C1715	P-6005	6-7	3.20	700	70	5	3	2.5	9	2.5	3.5	2 1/2 x 3 3/8"	6
C1716	P-6006	11-13	4.20	700	120	5	3	2.5	12.5	2.5	3.5	3 1/8 x 3 3/8"	6
C1717	P-6007	10-12	4.38	800	110	5	3	2.5	15	2.5	3.5	3 1/8 x 3 3/8"	7
C1735	P-6297	4-5	2.18	480	40	5	2	6.3	2			2 1/2 x 3"	4
C1720	P-6010	4-5	2.18	650	40	5	3	6.3	2			2 1/2 x 3"	4
C1721	P-6011	6-7	2.79	700	70	5	3	6.3	2.5			2 1/2 x 3"	4
C1722	P-6012	8-9	3.15	700	90	5	3	6.3	3.5			2 1/2 x 3 3/8"	6
C1723	P-6013	11-13	3.47	700	120	5	3	6.3	4.7			3 1/8 x 3 3/8"	6
C1724	P-6014	13-15	4.55	750	150	5	3	6.3	5			3 1/8 x 3 3/8"	6
C1726	P-6165	14-16	5.26	800	200	5	4	6.3	5.5			3 1/2 x 4 1/2"	7
C1731	P-6093	6-7	3.15	600	60	5	3	6.3	2.5	2.5	7.5	2 1/2 x 3 3/8"	4
C1733	P-6095	8-9	3.67	700	90	5	3	6.3	3.5	2.5	9	3 1/8 x 3 3/8"	6
C1734*	P-6234*	11-13	4.79	660	90	5	3	2.5	12	6.3	4	3 1/2 x 3 3/8"	6
C1718	P-6008	14-16	4.91	750	180	5	3	6.3	3.3	2.5	5.0	3 1/2 x 4 1/2"	7

\*C1734—P-6234 has an additional 2.5 V. at 1.75 amp. CT Filament winding.

## SPECIAL 6.3 V. TRANSFORMERS FOR SETS USING P.M. SPEAKERS

Stock No.	Type	Primary	Ohms	Mtg.	Ctrs.	Lbs.	Each
C1785	A-3289	5-6	\$2.18	420	40	5	2
C1786	P-6119	6-7	2.20	600	55	5	2
C1787	P-6120	7-9	2.94	630	70	5	3
C1741	P-6312	7-8	3.35	580	90	5	3
C1743	P-6313	11-13	3.70	580	125	5	3
C1744	P-6314	14-16	5.17	700	200	5	3
C1745	P-6315	16-18	7.06	740	275	5	3

## UNIVERSAL OUTPUT TRANSFORMERS

(All have secondaries adjustable from 1 to 30 ohms)

No.	Type	Primary	Ohms	Mtg.	Ctrs.	Lbs.	Each
C1675	A-3856	All for Single	Q	2 1/2"	1	1.09	
C1637	A-3823	or P. P. plates.	Q	2 1/2"	1	1.09	
C1671	A-3850	4000, 7000, 8000,	J	2 1/2"	1	1.09	
C1673	A-3852	10M, 14M CT	J	2 1/2"	2	1.41	
C1678	A-3890		E	2 3/8"	2	2.29	
C1670	A-3849*	1500, 2000, 4000, 5000, 7000, 10,000	Q	2 1/2"	1	1.09	
C1666	A-3830†	3000, 5000, 6600, 7000, 8000, 10,000 CT	J	2 1/2"	3	2.06	

\*For battery radios. †Designed for tubes with large output.

## CRYSTAL RECORDER OUTPUT TRANSFORMERS

Most efficient coupling between output tubes and crystal recording head, Type A mtg. Shpg. wt. 5 W.—1 lb.; 10 W.—1 1/2 lbs.

Stock No.	Output Tubes	Impedance		Mx. Wts.	Dimensions H x W x D	Mtg. Ctrs.	Your Cost
		Pri.	Sec.				
C1591	Single	7M	70M or 4-6	5	1 1/2 x 3 3/8 x 2 1/2"	2 3/8"	\$1.41
C1592	Single	7M	70M or 4-6	10	2 1/4 x 3 3/8 x 2 1/2"	3 1/8"	1.94
C1593	P.P.	10M	70M or 4-6	5	1 1/2 x 3 3/8 x 1 1/8"	2 3/8"	1.41
C1594	P.P.	10M	70M or 4-6	10	2 1/4 x 3 3/8 x 2 1/2"	3 1/8"	1.94

## REPLACEMENT DRIVER TRANSFORMERS

Stock No.	Type No.	Impedance	Ratio	Mtg.	Mtg.	Lbs.	Your Cost
C1684	A-4712*	20M	2.2M	3:1	A	2 3/8"	1.09
C1685	A-4713	10M	2.5M	2:1	A	2 3/8"	1.09
C1688	A-4723	10M	1.1M	3:1	A	2 3/8"	1.09
C1687	A-4722	10M	10M	1:1	E	2 3/8"	1.76
C1682	A-4401	10M	1.4M	2.7:1	J	2 3/8"	1.59
C1689	A-4734	10M	1.6M	2.5:1	A	2 3/8"	1.29

## FILTER CHOKES TYPE A

Stock No.	Type No.	Hen-rys	Cur. M.A.	D.C. Ohms	Dimensions H x W x D	Wt. Lbs.	Your Cost
C1698	C-1706	5	50	300	1 1/2 x 2 3/8 x 1 1/2"	1	\$0.68
C1699	C-1707	7	50	500	1 1/2 x 2 3/8 x 1 1/2"	1	.68
C1700	C-1708	10	65	460	1 1/2 x 3 1/8 x 1 1/2"	2	.88
C1701	C-1709	9	85	250	1 1/2 x 3 1/8 x 2 1/2"	2	1.18
C1702	C-1710	8	150	200	2 1/2 x 4 x 2 1/2"	3	1.47
C1623†	C-1003	30	50	550	1 1/2 x 3 1/8 x 1 1/2"	2	.91
C1624	C-1002	30	75	400	2 1/4 x 3 1/8 x 1 1/2"	2	1.23
C1625	C-1001	30	110	200	2 1/2 x 4 x 2"	3	1.56
C1626*	C-1034	30	30	1150	1 1/2 x 2 1/8 x 1 1/2"	2	1.12
C1583	C-2303	10	130	100	2 x 3 3/8 x 1 3/8"	2	1.09
C1584	C-2304	8	150	65	2 x 3 3/8 x 1 3/8"	2	1.09
C1585	C-2305	20	100	275	2 3/8 x 2 3/8 x 1 3/8"	2	1.47
C1586	C-2309	8	150	90	2 1/4 x 3 1/8 x 1 3/8"	2	1.29

\*Center tapped. †Output chokes.

## A.C.-D.C. CHOKES TYPE A

Stock No.	Type No.	Cur. M.A.	D.C. Ohms	Dimensions H x W x D	Wt. Lbs.	Your Cost	
C1793	C-1723	4.4	50	330	1 1/2 x 2 3/8 x 1 1/2"	1	.68
C1694	C-1080	15	50	200	1 1/2 x 2 3/8 x 1 1/2"	1	.71
C1697	C-1325	15	50	250	1 1/2 x 2 3/8 x 1 1/2"	1	.71
C1695	C-1227	15	50	350	1 1/2 x 2 3/8 x 1 1/2"	1	.71
C1696	C-1279	15	50	400	1 1/2 x 2 3/8 x 1 1/2"	1	.71

## OUTPUT TRANSFORMERS

Stock No.	Type No.	Class Oper.	Tubes	Impedance in Ohms		Mx. Wts.	Mtg. No.	Your Cost
				Prim.	Secondary			
C1663	A-3822	A	S	7M, 10M	.7 to 4	5	Q	\$0.85
C1669	A-3848	A	S	16,000	1, 2, 4	5	Q	.91
C1676	A-3857	A	S	25,000	4	5	A	.94
C1677	A-3865	A	S	1,500	2, 4, 6	5	A	.91
C1640	A-3870	A	S	2,000	4	5	A	.68
C1645	A-3877	A	S	5,000	4	5	A	.68
C1646	A-3878	A	S	7,000	4	5	A	.68
C1648	A-3879	A	S	10,000	4	5	A	.71
C1649	A-3881	A	S	15,000	4	5	A	.71
C1647	A-2201	A	S or PP	8,000	6	10	A	1.32
C1664	A-3824	B	S	8,000	1, 2, 4	8	Q	1.41
C1665	A-3825	A	S	2,500	1, 2, 4	8	Q	1.18
C1667	A-3831	B	S or PP	10M	2, 4, 8	5	A	1.03
C1656	A-3303	A & B	S or PP	14M	4, 8, 15, 500	20	C	2.59
C1657	A-3304	A & B	S or PP	10M, 7M	4, 8, 15, 500	25	C	2.82
C1644	A-3301	A & AB	PP	3,000	4, 8, 15, 500	30	C	2.94
C1672	A-3851*	AB1	PP	4,400	4, 8, 15, 250, 500	30	C	3.53
C1590	A-3855	A	S or PP	7,000	10, 2000	5	E	2.00
C1661	A-3800	A & AB	PP	5,000	4, 8, 15	30	C	3.32
C1662	A-3801	AB1	PP	6,600	250, 500	35	C	3.88

\*10% Inverse Feedback Winding.

## UNIVERSAL INTERSTAGE TRANSFORMERS

Split secondaries. Primary center tapped. May be used plate to grid, p.p. input or p.p. interstage. Primary will pass 10 milliamperes DC. Shpg. wt. each, 2 lbs.

No.	Type	Core	Mtg.	H. W. D.	Centers	Each
C1630	A-4773	3 x 1"	E	2 3/8 x 2 x 2 1/2"	2 3/8"	\$1.82
C1631	A-4774	3 x 1"	S	2 1/4 x 2 1/4 x 2 1/2"	2 3/8"	1.53
C1634	A-4775	3 x 1"	S	2 1/2 x 2 1/4 x 2 3/8"	2 3/8"	2.06

## Push-Pull Inputs (1 Pl. to 2 G.)

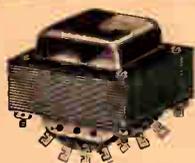
Stock No.	Type No.	Turns Ratio	Dimensions H x W x D	Mtg. Type	Mtg. Ctrs.	Wt. Lbs.	Your Cost
C1651	A-53C	3:1	1 1/2 x 2 3/8 x 1 1/2"	A	2"	1	\$0.91
C1690	A-63C	3:1	2 x 2 3/8 x 1 1/2"	A	2"	1	1.06
C1654	A-73C	3:1	2 x 3 3/8 x 1 1/2"	A	2 1/2"	1	1.32
C1691	A-4750	3:1	2 1/4 x 2 1/8 x 1 1/2"	S	2 3/8"	1	1.32
C1686	A-4719	3:1	2 3/8 x 2 3/8 x 2 1/2"	E	2 3/8"	2	2.32
C1587	A-62C	2:1	1 1/2 x 2 1/8 x 1 1/2"	A	..	1	1.06
C1588†	A-4745	2:1	2 3/8 x 2 3/8 x 2 1/2"	E	..	2	2.11
C1589*	A-4206	3:1	3 1/2 x 2 3/8 x 2 3/8"	C	..	3	3.09

\*Split Secondary. †Has static shield.

## Push-Pull Interstage (2 Pl. to 2 G.)

Stock No.	Type No.	Turns Ratio	Dimensions H x W x D	Mtg. Type	Mtg. Ctrs.	Wt. Lbs.	Your Cost
C1683	A-4711	1:1	1 1/2 x 2 1/8 x 1 1/2"	A	2 3/8"	1	\$1.32
C1681*	A-4208						

# Truest POWER TRANSFORMERS



(A) Flush-Type



(B) Compact

Truest Power Transformers are engineered by experts and constructed of the finest materials. Each unit is designed to provide amplesafety factor under normal conditions of use. All are fully guaranteed for a period of ninety (90) days against mechanical and electrical defects. All conform to R.M.A. standard. This is your

assurance that Truest transformers will live up to the claims made for them. To simplify installation, all units are furnished with a schematic diagram, showing terminal connections. All primaries are designed for 105-120 volts, 60 cycles a.c. only.

Stock No.	M't'g Type	No. Tubes	*Plate Volts—M.A.	Rect. V.—A.	*Fil. #1 V.—A.	*Fil. #2 V.—A.	Mounting Area, Ins.	Mounting Cntrs., Ins.	Shpg. Wt. Lbs.	Your Cost
C1473	A	4	480-40	5-2	6.3-1.6		3 x2 1/2	2 1/2 x2	3	\$0.95
C5635	A	4	650-40	5-2	6.3-1.6		3 x2 1/2	2 1/2 x2	2	.99
C5636	A	5	700-50	5-2	6.3-2		3 x2 1/2	2 1/2 x2	2 1/2	1.59
C1518	A	6-7	700-60	5-2	6.3-2.5		3 x2 1/2	2 1/2 x2	2 1/2	1.72
C1519	A	7-10	700-70	5-2	6.3-3	2.5-4	3 3/8 x2 1/2	2 1/2 x2 1/4	3 1/2	1.77
C1521	A	4	650-40	5-2	2.5-4		3 x2 1/2	2 1/2 x2	2	1.15
C2431	A	5	700-50	5-2	2.5-5		3 x2 1/2	2 1/2 x2	2 1/2	1.40
C1505	A	7	700-70	5-3	2.5-7	2.5-3	3 3/8 x2 1/2	2 1/2 x2 1/4	3 1/2	1.86
C1507	A	8-9	700-90	5-3	2.5-10.5	2.5-3	3 3/8 x3 1/8	3 1/2 x2 1/2	3 1/2	2.12
C1509	A	10-11	700-110	5-3	2.5-15 1/4	2.5-3	3 3/8 x3 1/8	3 1/2 x2 1/2	4 1/2	2.72
C1456	B	4	650-40	5-2	6.3-1.6		2 1/2 x2 3/8	2 x1 1/2	2 1/2	1.19
C1457	B	5	700-50	5-2	6.3-2		2 1/2 x2 3/8	2 x1 1/2	2 3/4	1.35
C1458	B	6-7	700-60	5-2	6.3-2.5		2 1/2 x2 3/8	2 x2	3 1/4	1.80
C1459	B	8-9	700-75	5-3	6.3-3.2		2 1/2 x3 1/8	2 1/2 x2	3 3/4	1.95
C1525	B	10-11	600-150	5-3	6.3-3		3 1/2 x3 1/4	2 1/2 x2 1/4	7	2.39
C1460	B	12-13	750-125	5-3	6.3-5		3 1/2 x3 3/8	2 1/2 x2 1/2	5 1/4	2.51
C1526	B	12-14	675-200	5-3	6.3-5		4 x3 1/2	3 1/2 x2 1/2	5	3.10
C1461	B	13-15	800-160	5-3	6.3-6		3 1/2 x3 3/4	2 3/4 x2 1/2	6	2.95

\*All plate and heater secondaries are center tapped.

# Truest ALL PURPOSE AUDIO COMPONENTS

## INPUT TRANSFORMERS

Stock No.	For Use As	Mounting Flange	Turn Ratio	Size—In. H. W. D.	Mounting Centers	Terminals	Shpg. Wt.	Your Cost
C1550	Single Plate to Single Grid	A	3:1	1 7/8 x2 1/2 x1 1/8	2 1/2	Leads	1 lb.	\$0.85
C1620	Single Plate to P.P. Grids	A	3:1	1 7/8 x2 1/2 x1 1/2	2 3/8	Leads	1 lb.	.65
C1551	Single Plate to P.P. Grids	A	3:1	1 7/8 x2 1/2 x1 5/8	2 1/2	Leads	1 lb.	.85
C5448	200 Ohms D.B. Mike to Grid	A	20:1	1 5/8 x2 3/4 x1 1/8	2 1/2	Leads	1 1/4 lbs.	.65

## OUTPUT TRANSFORMERS

Stock No.	To Match	Cap. Watts	M't'g Fig.	V.C. Ohms	Size—In. H. W. D.	M't'g Centers	Terminals	Shpg. Wt.	Your Cost
C1610	Single Tube, 2000 ohms	3	A	4	1 3/8 x2 3/8 x1 1/8	2 1/2	Leads	1 lb.	\$0.44
C1611	Single Tube, 5000 ohms	3	A	4	1 3/8 x2 3/8 x1 1/8	2 1/2	Leads	1 lb.	.44
C1613	Single Tube, 10,000 ohms	3	A	4	1 3/8 x2 3/8 x1 1/8	2 1/2	Leads	1 lb.	.44
C19273	Universal Tube	4	A	All	1 3/8 x2 3/8 x1 1/8	2 1/2	Leads	1 lb.	.65
C5667	Universal Tube	8	A	All	1 5/8 x2 1/2 x1 1/2	2 3/8	Leads	1 lb.	.79
C1535	Universal Tube	12	A	All	2 x3 1/2 x1 1/2	2 1/2	Leads	1 lb.	1.06
C1538	Universal Line*	18	B	All	2 1/2 x2 1/2 x1 1/2	2 1/2	Leads	2 lbs.	1.37
C1537	Heavy Duty P.P., 3000-10000 ohms	26	B	4 to 16	3 1/8 x2 3/4 x2 3/8	3 3/8	Leads	3 lbs.	1.95

\*Matches 500, 1000, 1500 and 2000 ohm lines.

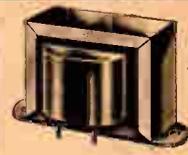
## FILTER CHOKES

Stock No.	Induct. Henrys	Max. D.C. Ma.	D.C. Res. Ohms	Mtg. Fig.	Size In. H. W. D.	Mtg. Centers	Terminals	Shpg. Wt.	Your Cost
C1501	10	30-40	200	A	1 5/8 x1 1/2 x1 1/2	2 3/8	Leads	1 lb.	\$0.42
C1527	10	65	460	A	1 7/8 x3 1/4 x2 1/2	2 3/8	Leads	1 lb.	.75
C1528	10	85	250	A	1 7/8 x3 1/4 x2 1/2	2 3/8	Leads	2 lbs.	.80
C1603	15	30-40	400	A	1 5/8 x1 1/2 x1 1/2	2 3/8	Leads	1 lb.	.42
C1604	18	30-40	500	A	1 5/8 x1 1/2 x1 1/2	2 3/8	Leads	1 lb.	.42
C1570	30	110	235	A	2 1/2 x3 1/2 x2 1/2	3 3/8	Lugs	2 lbs.	1.05
C5638	30	110	200	A	2 1/2 x4 x2	3 3/8	Leads	2 1/2 lbs.	1.35

## FILAMENT TRANSFORMERS\*

Stock No.	Filament Winding Rated At	Mtg. Flg.	Size In. H. W. D.	Mtg. Centers	Terminals	Shpg. Wt.	Your Cost
C1943	6.3 volts c.t. @ 1.2 amps.	A	1 5/8 x2 1/2 x1 1/2	2 1/2	Leads	1 lb.	\$0.75
C2388	2.5 volts c.t. @ 5 amps.	A	2 1/2 x2 1/2 x1 1/2	3 1/2	Leads	2 lbs.	.75
C2441	5 volts c.t. @ 4 amps.	A	2 5/8 x3 x1 1/2	2 3/8	Leads	2 lbs.	.95
C5495	6.3 volts c.t. @ 5 amps.	A	2 5/8 x3 x2	2 3/8	Leads	2 lbs.	.99
C1468	2.5 volts c.t. @ 10 amps.	C	3 3/8 x2 5/8 x2 5/8	2 x1 1/2	Leads	3 lbs.	2.19
C1469	5 volts c.t. @ 6 amps.	C	3 3/8 x2 5/8 x2 5/8	2 x1 1/2	Leads	3 lbs.	2.35
C1470	6.3 volts c.t. @ 4 amps.	C	3 3/8 x2 5/8 x2 5/8	2 x1 1/2	Leads	3 lbs.	2.19
C1471	7.5 volts c.t. @ 5 amps.	C	3 3/8 x2 5/8 x2 5/8	2 1/2 x2	Leads	4 lbs.	2.55
C1966	Tube Tester 1.1 to 117 volts (19 steps)	A	2 5/8 x4 1/2 x2	3 3/8	Leads	3 lbs.	4.15

\*All primaries for 105-120 volts, 50, 60 cycles a.c.



Type A Mtg. Popular wide frame strap mounting units.



Type B Mtg. Popular strap mounting units with high frame.



Type C Mtg. Fully shielded upright mounting units with four eye lugs for mounting.

### 30 Henry Filter Choke



Inductance 30 Henrys, 50 ma. maximum d.c., resistance 450 ohms. Size: 2 1/2 x 1 3/4 x2 1/2". Well made, heavy duty choke suitable for servicing and experimental use. Shpg. wt. 2lbs.

C246—Your Cost Each..... **49¢**

NOTE—During the present emergency we must reserve the right to substitute like quality when necessary.

\*\*\*\*\*  
**Serviceman's Special**  
**P.P. Input Transformer**  
 A type of input transformer that you are called upon to replace more often than any other. A real high quality unit. Ratio 3:1. High voltage insulation. 3x2x1 1/2". Mtg. Center 2 1/2". Shpg. wt. 2 lbs.  
**C1843—Your Cost Each..... **77¢****  
 \*\*\*\*\*

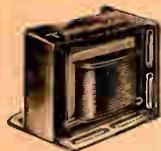
### R.C.A. Universal Output

Matches any singleor p. p. output tubes to a n y voice coil of from 1 to 15 ohms. Primary impedance 1000 to 20,000 ohms. Response flat from 30 to 10,000 cps. 2 1/2 x 2 1/2 x2". Wt. 3 lbs.  
**C5536—Each..... **\$1.18****





# THORDARSON Replacement AUDIOS



2C



2D



2B Leads, 2E Lugs



2F



2G



3B Leads, 3E Lugs

### Plate-to-Grid Transformers

High quality units, all designed to match a 10,000 ohm plate (56, 76, 37, 27, 55, 85, 77, etc.) to a single class A grid delivering not more than 15 watts.

Stock No.	Thord. No.	Turns Ratio	Dimensions W. D. H.	Mtg. Type	Wt. Lbs.	Your Cost
C599	T-13A34	3:1	2 1/8 x 1 1/2 x 1 1/8	3B	3/4	\$0.94
C265	T-29A99	3:1	2 1/8 x 2 x 2 3/8	2B	1 1/4	1.41
C266	T-57A36	3:1	2 1/8 x 2 1/8 x 2 3/8	2F	1 1/2	1.59
C213	T-47A25	3:1	2 1/8 x 2 1/4 x 2 3/8	2C	1 1/4	1.59
C268	T-57A35	3:1	3 3/8 x 2 1/8 x 2 3/8	2F	2 1/4	2.12
C211	T-75A74*	2:1	2 1/8 x 2 1/8 x 2 3/8	2F	1 1/2	1.94

\* Has static shield between primary and secondary.

### Push-Pull Input Transformers

Single plate (10,000 ohms) to push-pull grids. Stock No. C301 may also be used as a tapped PP grid impedance with ratios of 1:1, 1:2, or 1:4.

Stock No.	Thord. No.	Turns Ratio	Dimensions W. D. H.	Mtg. Type	Wt. Lbs.	Your Cost
C532	T-14A92	3:1	2 3/8 x 1 1/2 x 1 1/8	3B	3/4	\$0.94
C600	T-13A35	3:1	2 1/8 x 1 1/8 x 1 1/8	3B	3/4	1.06
C231	T-33A91	3:1	2 3/8 x 2 1/8 x 2 3/8	2B	1 1/4	1.41
C237	T-86A03	3:1	3 1/8 x 2 1/8 x 2	3B	1 1/2	1.59
C216	T-14A29	3:1	2 x 1 1/8 x 2 3/8	2C	1 1/4	1.76
C282	T-57A39	3:1	2 3/8 x 2 1/8 x 2 3/8	2F	1 1/2	1.76
C283	T-57A40	3:1	3 3/8 x 2 1/8 x 3	2B	2	2.29
C284	T-57A41	3:1	3 3/8 x 2 1/8 x 3	2F	2 1/4	2.47
C301	T-74A31	1:1	3 3/8 x 2 1/8 x 3	2F	2 1/4	2.47
C601*	T-13A36	1:1	3 1/8 x 1 1/4 x 2	3B	1	1.41
C272*	T-58A70	1.5:1	3 3/8 x 2 1/8 x 3	2F	2 1/4	2.65

\* Indicates P.P. Plates to P.P. Grids.

### Filtering Chokes

For receivers, amplifiers and transmitters application. All inductance ratings shown are with full rated current flowing through the winding.

Stock No.	Thord. No.	Mount. Type	Induct. Hys.	Rated Ma.	Res. Ohms	Wt. Lbs.	Your Cost
C604	T-13C26	3B	8	40	530	1 1/2	\$0.65
C605	T-13C27	3B	10	40	475	1 1/2	.76
C606	T-13C28	3B	10	65	460	1	.85
C241	T-43C92	2C	10	75	260	1 1/4	1.18
C252	T-47C07	3B	12	75	410	1 1/4	1.18
C254	T-44C02	3B	12	80	405	1 1/4	1.06
C287	T-57C51	2B	6	80	138	1 1/4	1.06
C607	T-13C29	3B	9	85	250	1 1/2	1.12
C334	T-68C07	2B	15	85	375	2	1.41
C289	T-57C53	2B	10	110	200	2 1/4	1.41
C290	T-57C54	2F	10	110	200	2 1/4	1.59
C335	T-75C49	3B	8	120	250	1 1/2	1.06
C269	T-17C00-B	2F	12	150	231	3 3/4	1.94
C608	T-13C30	2B	8	150	200	2 1/4	1.41
C336	T-74C29	2G	15	150	200	5 1/4	2.82
C310	T-67C49	2F	5	200	80	3 3/4	1.94
C366	T-75C51	2G	13	250	121	8	3.53

### AC-DC Filter Chokes

Small but highly efficient filtering chokes for AC-DC receivers, inter-communicators, etc. All are 2 1/8 x 1 1/8 x 1 1/8" high.

Stock No.	Thord. No.	Mount. Type	Induct. Hys.	Rated Ma.	Res. Ohms	Wt. Lbs.	Your Cost
C487	T-14C61	3B	7	55	200	3/4	\$0.71
C488	T-14C62	3B	8	55	250	3/4	.71
C489	T-14C63	3B	8	55	300	3/4	.71
C490	T-14C64	3B	10	55	350	3/4	.71

### Low Imp. Source To Single or P.P. Grid

Stock No.	Thord. No.	Application	Impedance Pri.	Ohms Sec.	Mtg. Fig.	Wt. Lbs.	Your Cost
C375	T-65A73	DB mike to grid	200/50	100,000	2F	2	\$2.12
C402	T-33A78	S.B. mike to grids	100	*400,000	2F	1 1/4	1.59
C405	T-86A02	S.B. mike to grid	100	*400,000	2B	1	1.59
C377	T-72A59	Plate and S.B. Mike to grid	5000	100,000	2B	3/4	1.18
C428	T-83D21	Line to P.P. grids 6L6's or 50's (AB)	500	5100, 12,500	2F	2 1/4	2.47

\* Center tapped secondary.

We are listing on this page only the most popular numbers in the complete Thordarson audio line. See page 52 for power transformers. We can, however, supply any unit made by Thordarson at lowest prevailing prices.

### Output Transformers

Stock No.	Thord. No.	Class Oper. §	Ohms Impedance Pri.	Sec.	Max. Watts	Mtg. Fig.	Your Cost
C455	T-14S81	S or P-P; A	70.0 Ct.	-3 to 6	5	3B	\$0.88
C536	T-14S83	S; A	25,000 Ct.	-3 to 6	5	3B	.88
C537	T-14S84	S; A	8000-3 to 6		5	3B	.88
C602	T-13S37	S; A	7000-1-2-4		5	3E	.88
C376	T-13S39	S; A	4000-1-2-4		5	3E	.88
C276	T-33S99	P.P.; A	8000 Ct.	-6 to 12	10	2B	1.06
C386	T-13S40	P.P.; A	14,000 Ct.	-1-2-4	10	3E	1.06
C387	T-81S01	P.P.; B	10,000 Ct.	-2-4-8	8	2B	1.06
C388	T-17S10	S; A	2500	-2-4-8-500	8	2F	2.12
C390	T-17S11	P.P.; AB;	8000*	-4-8-15-250-500	15	2F	3.18
C391	T-17S12	P.P.; AB;	4300*	-4-8-15-250-500	25	2F	3.18
C392	T-17S13	P.P.; AB;	6600*	-4-8-15-250-500	34	2G	4.23
C393	T-17S14	P.P.; AB;	5500*	-4-8-15-250-500	40	2G	4.23
C471	T-17S15	P.P.P.; AB;	3300*	-4-8-15-250-500	60	2G	4.59
C327	T-67S51	P.P.; A	14,000	-4-8-15-500	20	2F	2.47
C329	T-67S48	P.P.; A & B	8000	-4-8-15-500	25	2F	2.47
C273	T-58S72	P.P.; A & AB	3000	-4-8-15-500	30	2F	2.65
C326	T-67S54	P.P.; A & AB	5000	-4-8-15-500	30	2F	2.82
C331	T-67S92	P.P. Par. A and AB	1500	-4-8-15-500	40	2F	2.82
C328	T-65S04	P.P.; A, AB;	8000	-4-8-15-500	40	2F	2.82
C330	T-75S75	P.P.; A, AB & B	10,000	-4-8-15-500	40	2F	2.82
C507	T-84S58	P.P.; AB;	3800	-4-8-15-500	60	2G	4.23
C364	T-89S75	P.P.; AB;	6600	-4-8-15-500	40	2F	2.82

\* -10% feedback winding. § -Single, Push-Pull or P.P. Parallel specified as well as Class of Operation.

### Universal Output Transformers

Stock No.	Thord. No.	Class	Ohms Impedance	Adjust.	Wt. Lbs.	Your Cost
C603	T-13S38		4000/7000		8	3E \$1.06
C278	T-57S01	Sin. or P.P.; Cl. A	8000/10,000	.1 to .29	8	2E 1.41
C474	T-57S02		14,000 Ct.	.29	8	2B 1.41
C275	T-17S57		14,000 Ct.	.29	8	2C 1.59
C354	T-13S42	S; A	1500/2000 4000 5000 7000	Adjust. .1 to .29	10	3E 1.06
C355	T-13S41	P.P.; A	3000 5000 6600/7000 8000/10,000	Adjust. .1 to .29	20	2E 1.94

### Universal Tube To Line

Stock No.	Thord. No.	Univ. Single; A	Univ. P.P.; A	Ohms	Wt. Lbs.	Your Cost
C297	T-61S25	2500/4000	500	500	10	2E \$2.29
C298	T-61S26	8000/10,000	500	12,000/14,000 c.t.	10	2E 2.47

### Universal Line To Speaker

Stock No.	Thord. No.	L. to V.C.	Ohms	Wt. Lbs.	Your Cost
C299	T-53S81	L. to V.C.	500/250 4-8-15	35	2D \$3.35
C506	T-60S48	1 to 6 V.C.'s to 500 ohm L.	500/1000 Pri. as 500 1500/2000 ohm .06 to 8; 2500/3000 pri. as 1000 ohm-.12 to 16	10	2E 2.12
C453	T-14S80	L. to V.C.	500-2-4-6-8	12	2E 1.41
C454	T-76S74	L. to Multiple spkrs.	500-250 166 125/ 100 84 (auto transf.)	30	3E 2.65

### Audio Reactors

Stock No.	Thord. No.	Induct. Hys.	Max. Ma.	D.C. Ohms	Mtg. Type	Shpg. Wt. Lbs.	Your Cost
C317	T-67C46*	300	.5	6470	2B	2	\$1.23
C5497	T-29C27*	500	.5	61.0	2B	1	1.23
C333	T-18C92*	22	.35	405	3B	2	1.06
C318	T-81C15†	.75	.5	30	2B	1	1.41
C320	T-93C20†	250	.5	6400	2B	2	1.94
C332	T-74C30†	42	15	2100	3B	1	1.06
C302	T-14C70	22	0	220	††	1	1.76

\* -Indicates Plate Impedance. † -Indicates Tuned Audio Circuit, to accentuate a pre-determined band of frequencies. †† -Round can, 2 1/4" h., 1 1/2" d.

### Driver Transformers

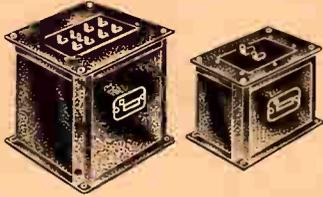
No.	Type	Mtg.	Input Tubes	Output Tubes	Class	Each
C308	T-67D78	2F	1-48, 59, 6F6, 42, 2A5 Triode	2-46, 59 2-6L6	B	\$2.12
C338	T-74D32	2F	2-6C5, 76, 56	2-6F6, 42, 2A5 4-2A3, 6B4G	AB2	2.29
C316	T-78D46	2B	1-30	1-1J6C, 19, 2-30	B	1.06
C322	T-54D63	2F	1-30, 1-49, 1-6C5	1-1J6G, 1-19 2-49, 2-6V6	B	1.59
C340	T-81D42	2F	1-6F6, 42, 2A5 Triodes	2-6F6, 42, 2A5 Triodes or Ptas.	AB2	2.29
C508	T-84D59	2F	2-6C5, 6N7 2-6A6, 53	2-6L6, 6V6 2-6N7, 6A6, 53	AB2	2.29
C457	T-17D01	3B	6F6, 42, 2A5 Tr.	2-6F6, 6L6	AB	1.41
C458	T-14D93	3B	1-76 Triode	1-6A6, 6N7	B	1.23

PERFECT MERCHANDISE - PROMPT SHIPMENT - PERSONAL SERVICE



# AUDIO TRANSFORMERS U.T.C.

## STANCOR AUDIOS



### CASE DIMENSIONS

Type	H.	W.	D.
RA	2 7/8"	2"	2 1/8"
RB	3 3/8"	2 5/8"	3 1/8"
RC	3 3/8"	2 5/8"	3 1/8"
RD	3 3/8"	3"	4 1/2"
RE	5 1/2"	3 3/8"	5"
RF	5 1/2"	4 1/2"	5 1/2"
RG	5 1/2"	5 1/2"	5 1/2"
RH	9"	7 1/2"	7 1/2"
RJ	9"	8 1/2"	9"
RK	9"	8 1/2"	9"
RL	13"	8 1/2"	10"

## PLATE TRANSFORMERS

No.	Type	Pri. V.	Sec. V.	D.C. Ma.	Mtg.	Wt.	Each
C1792	P-8500	115	510	250	RF	12 lbs.	\$6.44
C1793	P-8501	115	660, 555*	250	RF	13 lbs.	8.58
C1794	P-8502	105-115	880, 700	250	RG	18 lbs.	8.53
C1795	P-8503	115	1100, 500	130-150	RG	17 lbs.	8.67
C1796	P-8504	115	1550, 1350	300	RJ	30 lbs.	16.61
C1797	P-8505	115	1550, 1330	500	RJ	41 lbs.	22.34
C1798	P-8507	115	1820, 1520	500	RK	49 lbs.	29.11
C1799	P-8508	115	2150, 1850	300	RJ	36 lbs.	23.52
C1803	P-8509	115	2450	250	RJ	35 lbs.	22.78
C1806	P-8510	115	2430, 2150	300	RK	39 lbs.	24.11
C1807	P-8511	115	2950, 2400	300	RK	50 lbs.	26.90
C1808	P-8514	115-230	3000, 2410	500	RL	70 lbs.	47.04

\*Also has 40 volt bias tap.

## UNIVERSAL OUTPUT TRANSFORMERS

Stock No.	Type No.	Imp. in Ohms	D.C. Ma.	Max. Audio	Mtg.	Wt. Lbs.	Your Cost
C1809	A-9070*	1500 to 20,000	.02 to 50	80	15W	RC	4 \$4.12
C1810	A-9071*	1500 to 20,000	.02 to 50	150	30W	RD	5 6.17

\*Output tubes—Single or P.P. plates.

## PLATE TO GRID INTERSTAGE TRANSFORMERS

Hum-bucking construction. Numbers marked with \* are for single plate to P.P. grids; \*\* indicates P.P. plates to P.P. grids.

No.	Type	Pri. (Imp.)	Sec. (Ratio)	D.C. Ma.	Audio	Mtg.	Wt.	Each
C1811	A-9500*	10000	40,000	1:2	10	RB	3 lbs.	\$3.23
C1812	A-9501*	10000	90,000	1:3	10	RB	3 lbs.	3.23
C1815	A-9502**	20000	80,000	1:2	10	RB	3 lbs.	3.23
C1816	A-9503**	20000	180,000	1:3	10	RB	3 lbs.	3.23

## LINE TO LINE AND V.C. TRANSFORMERS

Stock No.	Type	Use	Impedance in Ohms		Audio Watts	Type	Wt. Lbs.	Each
			Prim.	Sec.				
C1817	A-9540*	L-L	50, 125, 200	50, 125, 200	+24	RA	3	\$3.23
			250, 333, 500	250, 333, 500	DB			
C1818	A-9541	L-V	250, 500	4, 8, 15	15	RC	3	3.67
C1819	A-9542	L-V	250, 500	4, 8, 15	30	RD	6	3.97
C1820	A-9543	L-V	250, 500	4, 8, 15	60	RE	10	5.59
C1821	A-9544	L-V	500, 1000	4, 8, 15	30	RC	3	3.67
			1500, 2000					

\*Hum-Bucking type construction.

## DRIVER TRANSFORMERS

Numbers marked with \* are for single plate to push-pull grids. Those marked with \*\* are for push-pull plates to push-pull grids.

No.	Type	Pri. Imp.	D.C. Ma.	Audio	Mtg.	Wt.	Each
C1822	A-9520*	2000-5000	40	10W	RB	3 lbs.	\$2.94
C1823	A-9521*	2000-5000	50	15W	RC	4 lbs.	3.82
C1824	A-9522*	5000-10000	50	15W	RC	4 lbs.	3.82
C1825	A-9523**	2500-5000	50	15W	RC	4 lbs.	4.12
C1826	A-9524**	5000-10000	50	15W	RD	5 lbs.	4.32
C1835	A-9525**	2500-5000	50	15W	RC	4 lbs.	4.12
C1836	A-9526**	1500-5000	100	30W	RD	5 lbs.	4.35

## POLY-PEDANCE DRIVER TRANSFORMERS

No.	Type	Watts	Prim. to 1/2 Sec. Ratio	Mtg.	Wt.	Each
C1837	A-9527	15W	1.25:1, 1.5:1, 2:1, 2.5:1, 3:1, 3.5:1, 4:1	RD	4 lbs.	\$5.59
C1838	A-9528	30W	1.25:1, 1.5:1, 2:1, 2.5:1, 3:1, 3.5:1, 4:1	RC	5 lbs.	6.17
C1839	A-9529	15W	1:1.75, 1:1.85, 1:1, 1:1.25, 1:1.45, 1:1.75, 1:2, 1:2.25, 1:2.5, 1:2.5, 1:2.75, 1:3.5	RC	4 lbs.	5.00
C1842	A-9530	30W	1:1.75, 1:1.85, 1:1, 1:1.25, 1:1.45, 1:1.75, 1:2, 1:2 1/2, 1:2.5, 1:2.75, 1:3.5	RD	5 lbs.	6.47

## FILTER CHOKES

No.	Type	Induct.	Ma.	D.C. Res.	Insul.	Mtg.	Wt.	Each
C1844	C-2710	15 Hys.	200	80 ohms	3000 V.	RD	5 lbs.	\$3.38
C1845	C-2711	12 Hys.	300	80 ohms	5000 V.	RE	10 lbs.	5.73
C1846	C-2712	10 Hys.	400	60 ohms	5000 V.	RF	15 lbs.	7.94
C1847	C-2713	8 Hys.	500	65 ohms	5000 V.	RH	19 lbs.	12.35

## SWINGING CHOKES

No.	Type	Henrys	Ma.	D.C. Res.	Insulation	Mtg.	Wt.	Each
C1849	C-2700	8-30	200	80 ohms	3000 V.	RD	5 lbs.	\$3.38
C1850	C-2701	8-25	300	80 ohms	5000 V.	RE	10 lbs.	5.73
C1853	C-2702	5-25	400	60 ohms	5000 V.	RF	15 lbs.	7.94
C1854	C-2703	5-20	500	65 ohms	5000 V.	RH	19 lbs.	12.35

## U. T. C. Public Address Audios

Incorporate the most advanced design features. Uniform drawn cases are finished in telephone black enamel with threaded inserts for top or bottom mounting. All have lug terminals. Low level units have hum bucking construction. Completely poured with special sealing compound. Overall dimensions: (length, width, height).

- Type E Case: 2 1/2 x 3 x 3"
- Type F Case: 3 1/2 x 4 1/2 x 3 1/2"
- Type G Case: 3 3/8 x 4 1/8 x 4 1/8"
- Type H Case: 6 x 4 1/2 x 4 1/2"



### Line Matching Units

In Type E case. Shpg. wt. 3 lbs. each.

No.	Type	Application	Each
C5379	PA-134	50, 200, 500 ohm line or mike to 1 grid	\$4.70
C5382	PA-132	1 plate to p.p. grids. Split sec. 2:1	3.82

### Varitone Unit

Equalizer matching transformer. 50,000 ohm external potentiometer required. Type E case. Shpg. wt. 3 lbs.  
C5532-VT-2. For insertion in shunt with line or mike of 5,000 to 20,000 ohm plate. Your Cost \$4.70

### Output Transformers

Secondary impedances: 500, 200, 50, 16, 8, 5, 3, 1.5 ohms.

Stock	Type	Imped. P.P.	Typical Tubes	Case	Lbs.	Each
C5387	PA-16	3000 5000	2A3's, 6A5G's	F	5	\$4.12
C5392	PA-2L6	6000	6L6's self bias	G	10	7.06

### P.A. VARIMATCH Output

Designed to match any tubes within the rated power to line or voice coils. Output impedances: 500, 200, 50, 15, 8, 5, 3, 1.5 ohms.

Stock	Type	Watts	Typical Tubes	Case	Lbs.	Each
C5777	PVM-1	12	42, 43, 45, 47, 2A3, 6F6	E	3	\$3.53

### Filter Chokes

Stock	Type	Henrys	Ma.	Ohms	Case	Lbs.	Each
C5580	PA-40	10	200	110	F	4	\$3.23
C5582	PA-44	30	100	375	F	4	3.23
C5725	PA-48C	100	50	2500	F	3	3.23

### Line Varimatch Transformer

Matches any voice coil or group of voice coils to a 500 ohm line. Impedance range from .2 to 75 ohms in 50 combinations.

No.	Type	Application	Case	Lbs.	Each
C5782	LVM-1	15-Watt Line Varimatch	E	2	\$3.23



## "Linear Standard" Audios

A line of shielded highest fidelity audio transformers featuring input coils that have lowest hum pick-up of any available, wide range frequency response (within plus or minus 1 db. from 30 to 20,000 c.p.s.), thorough shielding and dependability. Used extensively by broadcast stations. Housed in alloy cases that have threaded 4-hole terminals for mounting (top or bottom). Telephone black enamel finish. Overall dimensions: A—2 1/2 x 3 3/8 x 3 1/8"; B—3 1/2 x 4 3/8 x 4 1/8"; C—5 x 5 1/2 x 5 1/8"; D—6 1/2 x 6 7/8 x 5 3/8".

### Line Matching Units

For matching multiple line: 50, 125, 200, 250, 500 ohms. Type A case. Dual alloy shielding, hum reduction—74 db. Shpg. wt. 3 lbs.

No.	Type	Match To	Each
C5401	LS-10	Single grid—60,000 ohms, 2 sections	\$10.58
C5739*	LS-10X	Single grid—60,000 ohms, 2 sections	13.23

\*—Quadruple alloy shielding, hum reduction—92 db.

### Interstage Transformer

No.	Type	Application	Case	Lbs.	Each
C5423	LS-21	1 plate to 2 grids. 2 1/2:1	A	4	\$10.00

### Output Transformers

To voice coil secondary: 30, 20, 15, 10, 7.5, 5, 2.5, 1.2 ohms. C5412 in type B case, C5398 in C case; C5412—8 lbs.; C5398—16 lbs.

No.	Type	Pri. Imped.	Typical Tubes	Each
C5412†	LS-55	5000 & 3000	2A3's, 6A5G's, 300A's	\$11.76
C5398	LS-6L3	6600	6L6's self bias	11.76

†—Also matches 50, 125, 200, 250, 333, 500 ohm lines.

### Varimatch Modulation Transformers

#### Match Any Modulator Tube to Any R.F. Load

Here's the answer to your modulation problem—a new line of transformers providing a universal range of load impedances for any modulator combination. The VARIMATCH transformer can never become obsolete. All units carry Class C current and have charts giving impedance combinations.

Stock No.	Type	Max. Audio Watts	Max. Input Class C	Typical Mod. Tubes	Case	Wt. Lbs.	Your Cost
C5400	VM0	12	25	30, 49, 79, 6A6	E	4	\$3.53
C5360	VM1	30	60	6V6, 6B5, 2A3	F	6	5.59
C5361	VM2	60	125	801, 6L6, 809	G	10	8.23
C5362	VM3	125	250	800, 807, 845	H	15	11.75



# TRANSMITTING TRANSFORMERS

## Case Dimensions

Type	Height	Width	Depth
G-1	1 7/8"	2"	1 3/4"
G-2	2 5/16"	2 3/8"	1 1/2"
G-3	2 1/2"	2 3/4"	2 1/8"
G-4	2 15/16"	3 1/8"	2 5/16"
G-5	3 5/8"	3 1/8"	4 9/16"
G-6	4 5/8"	3 3/4"	5 1/2"



G1 TO G4



G5 TO G11



## Case Dimensions

Type	Height	Width	Depth
G-7	5 3/8"	4 9/16"	5 9/16"
G-8	5 3/8"	5 1/2"	5 1/2"
G-9	6 1/8"	5 5/16"	6 13/16"
G-10	6 1/8"	6 3/16"	6 11/16"
G-11	7 1/8"	6 9/16"	7 3/8"

## Class A Input Transformer

No.	Type	Application	Ratio	Case	Wt.	Each
C5802	S-2	1 plate* to 2 grids.....	2:1	G-2	2 lbs.	\$2.35
C5804	S-4	1 plate* to 2 grids, wide range response.....	1:1	G-3	3	3.23
C5805	S-5	Single or double button mike or line to 1 grid; hum bucking type.....	16:1	G-2	2	2.65
C5806	S-6	Single or double button mike or line to 1 grid, compact type.....	16:1	G-1	2	1.91

\*Will match tubes like 6C5, 56, 6C6 triode, 77 triode, etc. Can be used with high mu triodes with loss in low frequencies.

## Universal Output To Line and Voice Coil

All secondaries designed to match 2, 8 and 15 ohm voice coils and 500 ohm line. Average shpg. wt., each 6 lbs.

No.	Type	Primary Ohms	Watts	Case	Each
C5814	S 14	2500, 4000, 7000.....	10	G-2	\$2.79
C5815	S 15	4000, 5000, 10,000.....	12	G-2	2.94
C5816	S 16	3000, 6000-6600, 10,000.....	30	G-4	3.82

## Universal Output Transformers

Designed to match any modulator tubes to any RF load. Secondary will carry DC.

No.	Type	Watts	Case	Lbs.	Each
C5818	S-18	12	G-3	3	\$3.09
C5819	S-19	30	G-4	4	4.70
C5820	S-20	55	G-5	5	6.76
C5821	S-21	110	G-7	11	9.41
C5822	S-22	250	G-9	18	14.70

## Matching Transformer

Shipping weight 4 lbs.

Stock No.	Type No.	Application	Pri. Ohms	Sec. Ohms	Case	Your Cost
C5811	S-11	Single 56, 6C6 triode, 6C5 or similar tube to line.....	10,000	200, 500	G-2	\$2.65

## Universal Driver Transformer

No.	Type	Application	Case	Lbs.	Each
C5809	S-9	P.P. Driver plates to grids of Class B tubes up to 400 watts output.....	G-3	4	\$3.23

## Multiple Secondary Filament Windings

Primaries tapped 105, 115 volts, 50 60 cycles AC. All secondaries center tapped. Shpg. wt., each, 8 lbs.

Stock No.	Type No.	Fil. No. 1 Volts	Fil. No. 2 Volts	Fil. No. 3 Volts	Amps.	Case	Your Cost	
C5865	S-65	2.5	5	5	4	6.3	3	G-5 \$3.53
C5868	S-68	5	3	6.3	4	7.5	5	G-5 3.82
C5870	S-70	6.3	5	6.3	5			G-5 3.82

All 3000 volt insulation.

## Standard VARITRAN Voltage Controls

The VARITRAN is an ideal voltage control unit of the type employing a sliding contact riding over the transformer turns. They provide continuously variable output voltages FROM 0 TO 130 VOLTS without interruption of the circuit. Used extensively to control lights, line voltage, rectifiers, motors, transmitters, etc. Type V-1 (illustrated) is completely shielded and includes cord, plug, and switch. Other units are completely shielded and have screw terminals on an insulated strip. All units shown below for 115 volt input.



No.	Type	Watts	Amps.	Size	Wt.	Price
C5733	V-0	230	2	4 x 6 x 4 3/8"	10 lbs.	\$ 8.33
C5771	V-1	570	5	5 x 8 1/2 x 3 1/2"	14 lbs.	11.76
C5716	*V1-M	570	5	5 x 10 1/2 x 3 1/2"	13 lbs.	19.60
C5772	V-2	570	5	5 x 7 x 4 1/2"	13 lbs.	9.80
C5773	V-3	850	7.5	5 x 7 x 5 1/2"	19 lbs.	14.70
C5774	V-4	1250	11	6 3/8 x 9 3/4 x 6"	37 lbs.	21.56

\*Same as V-1, but includes 0-150 volt A.C. meter.

## Filter, Swinging and Audio Chokes

No.	Type	Service	Ily.	Ma.	Ohms	Case	Each
C5823	*S-23	Audio	500	5	6000	G-2	\$2.06
C5827	*S-27	Filter	30	.75	350	G-4	2.35
C5828	*S-28	Filter	20	100	350	G-4	2.35
C5829	*S-29	Filter	10	175	95	G-4	2.35
C5830	*S-30	Swing.	5/25	175	95	G-4	2.35
C5831	†S-31	Filter	20	225	120	G-5	3.09
C5832	†S-32	Swing.	5/25	225	120	G-5	3.09
C5833	†S-33	Filter	20	300	90	G-7	4.41
C5834	†S-34	Swing.	5/25	300	90	G-7	4.41
C5837	†S-37	Filter	20	550	60	G-9	8.82

\*Shpg. wt. 4 lbs. †Shpg. wt. 6 lbs. ‡Shpg. wt. 9 lbs.

## Plate Transformers

Primaries for 115 v., 50 60 cycles a.c. For duplex rectifiers, the high and low voltage output of any of the units listed below can be used simultaneously. The rated d.c. current can be divided as required between both voltage outputs.

No.	Type	High Voltage	Ma.	Case	Lbs.	Each
C5844	S-44	575-525-0-525-575.....	500	G-9	22	\$ 9.11
C5845	S-45	900-750-0-750-900.....	200	G-8	14	7.06
C5846	S-46	1000-750-0-750-1000....	300	G-9	19	8.82
C5847	S-47	1500-1250-1000-0-1000-1250-1500.....	300	G-10	30	11.47
C5848	S-48	1500-1250-1000-0-1000-1250-1500.....	500	G-11	32	16.46
C5850	S-50	3000-2500-0-2500-3000..	300	G-11	50	22.05

## Plate and Filament Transformers

All primaries for 115 volts, 50 60 cycles a.c. High volt. 490-400-0-400-490 at 175 ma.; 5 v. at 3 a. (rect.); 2.5 v. c.t. at 6 a.; 6.3 v. c.t. at 4 a. G-6. Wt. 9 lbs.

C5839	S-39	Your Cost				\$5.88
C5840	S-40	Your Cost				\$5.88
C5841	S-41	Your Cost				\$5.29
C5842	S-42	Your Cost				\$7.06

## Single Secondary Filament Transformers

Primaries tapped 105, 115 volts, 50 60 cycles a.c.

No.	Type	Sec. Volts	Amps.	Insul.	Case	Lbs.	Each
C5853	S-53	2.5 c.t.	10	1500 v.	G-3	3	\$2.06
C5854	S-54	5 c.t.	4	2500 v.	G-3	3	2.06
C5855	S-55	6.3 c.t.	3	1500 v.	G-3	3	2.06
C5857	S-57	2.5 c.t.	10	10000 v.	G-5	5	2.94
C5858	S-58	2.5 c.t.	20	10000 v.	G-5	5	3.53
C5859	S-59	5 to 5.25 c.t.	13	5000 v.	G-5	5	2.94
C5861	S-61	7.5 tapped, 6.3 c.t.	8	3000 v.	G-5	5	2.94
C5862	S-62	10 c.t.	10	5000 v.	G-5	5	3.53
C5863	S-63	14 v. c.t. tapped at 12 v. c.t., 11 v. c.t.	10	5000 v.	G-7	5	6.47

## Ultra-Compact Line Matching Transformers

Compact high fidelity units having a frequency range from 30 to 20,000 c.p.s. Only 1x1x1"; threaded inserts for mounting. Match 50, 125, 200, 250, 500 ohm lines. Net wt. 6 oz.; shpg. wt. each 1 lb.

C5394—A-10. Line to 1 grid. 50,000 ohms. C5397—A-2A. 1 Triode plate 8000/15000 ohms to line.

Your Cost Each, Either Above Type

Multiple Alloy Shield Type: Frequency range from 50 to 10,000 c.p.s. and has multiple alloy shield for extremely low hum pickup. Matches 50, 200 or 500 ohms to 1 or 2 grids.

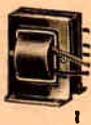
C5726—Type A-11. Your Cost Each



KEEP BUYING MORE AND MORE WAR BONDS AND STAMPS



# TRANSMITTING TRANSFORMERS



## THORDARSON PLATE TRANSFORMERS

All primaries for 115 V. 50/60 cycles a.c. Specified secondary A.C. voltage is at transformer terminals, either side of c.t.; dual Sec. A.C. listing indicate tapped secondary. **D.C. voltage out of 2-section filter (choke input) approx. 20% less than A.C. rating.** Electrostatic shields between primary and secondary.

Stock No.	Thord. No.	Sec. A.C.	D.C. Ma.	Mtg. Type	Size, Inches H. W. D.	Wt. Lbs.	Your Cost
C560	T19P54	560	150	3	4 7/8 x 3 3/4 x 3 3/4	7	\$4.23
C642	*T19P55	660	250	3	4 7/8 x 3 3/4 x 4 1/4	8	4.59
		550					
C643	T19P56	900	225	3	4 7/8 x 3 3/4 x 4 1/4	10	4.94
		800					
C644	†T19P57	1075	125	3	4 7/8 x 3 3/4 x 4 1/2	11	6.00
		500	150				
C645	T19P59	1560	300	5‡	6 x 5 7/8 x 7 5/8	26 1/2	12.35
		1250					
C648	T19P63	1560	500	5‡	6 1/2 x 6 3/4 x 8 5/8	38	18.17
		1265					
C649	T19P67	2450	500	5‡	9 1/2 x 7 1/2 x 6 3/4	51	35.28
		2125					

\*Indicates bias tap at 30 volts. †Have insulated bushings. ‡Designed for doublerectifiers. Will deliver both ratings simultaneously.

## FILAMENT TRANSFORMERS

Primaries for 115 volts, 50/60 cycles except those marked (\*) which have primary taps at 105, 110, 115 volts. All secondaries center tapped unless indicated by (†) which has two taps. The essential of improved voltage regulation and minimum heat rise have been given prime consideration in the design of these units. Ratings given are for continuous operation at full load.

Stock No.	Thord. No.	Windings Volts	Amps.	Insul. Volts	Mtg. Type	Size—Inches WxDxH	Wt. Lbs.	Your Cost
C517	T50P81	2.5	3.5	1600	6	2 7/8 x 1 3/4 x 2 3/8	1	\$1.23
C304	T19F88	2.5	5.25	1600	6	2 7/8 x 2 1/2 x 2 3/8	1	1.41
C305	T19F89	2.5	10	1600	6	3 3/8 x 2 1/2 x 3	2	1.59
C306	T19F90	2.5	10	7500	1	2 3/8 x 2 1/2 x 3 1/4	2	2.12
C450	T64F33*	2.5	10	7500	8	3 3/8 x 3 1/4 x 4	5	4.23
C500	T19F82	2.5	15	10000	1	3 1/2 x 2 1/2 x 4	4	3.53
C452	T63F99	5	4	1600	8	2 3/8 x 3 x 3 1/2	2	2.29
C501	T19F83	5	5	1600	6	3 3/8 x 2 1/2 x 3	2	1.59
C515	T19F84	5	8	1600	1	2 3/8 x 2 1/2 x 3 1/4	3	1.94
C519	T19F85	5	13	1600	1	3 3/8 x 2 1/2 x 4	4	2.82
C520	T19F86	5	21	1600	1	3 3/8 x 2 1/2 x 4	5	3.88
C467	T74F23	5	13	1600	8	3 3/8 x 3 1/4 x 4	5	3.53
C468	T74F24	5	21	1600	8	3 3/8 x 3 3/4 x 4 1/2	6	6.00
C307	T19F91	5.25	4	1600	1	2 3/8 x 2 1/2 x 3 1/4	2	1.76
C309	T19F92	5.25	13	1600	1	3 3/8 x 2 1/2 x 4	4	2.47
C549	T19F80	6.3	1	1600	6	2 1/2 x 1 1/2 x 2	1	.94
C550	T19F81	6.3	2	1600	6	2 1/2 x 1 1/2 x 2 3/8	1	1.06
C311	T19F97	6.3	3	1600	6	2 7/8 x 2 x 2 3/8	2	1.23
C303	T61F85†	6.3, 2.5	2.5	1600	2	3 3/8 x 2 3/8 x 2 1/4	2	1.59
		5, 2.5						
C373	T73F60*	6.3	5	1600	8	2 7/8 x 2 7/8 x 3 3/4	4	2.82
C312	T19F98	6.3	6	1600	1	3 3/8 x 2 1/2 x 3 1/4	3	1.94
C313	T19F99	6.3	10	1600	1	3 3/8 x 2 1/2 x 4	4	2.47
C314	T19F93	7.5	4	1600	1	2 3/8 x 2 1/2 x 3 1/4	2	1.76
C315	T19F94	7.5	8	1600	1	3 x 2 7/8 x 3 3/4	4	2.12
C374	T92F20	7.5	8	1600	8	3 3/8 x 3 3/4 x 4	5	3.70
C533	T19F95	10	4	1600	1	2 3/8 x 2 1/2 x 3 1/4	3	1.94
C499	T19F96	10	8	1600	1	2 1/2 x 2 3/8 x 3 1/4	4	2.47
C442	T64F14*	10	8	1600	8	3 3/8 x 3 3/4 x 4	5	3.53
C497	T19F87	10	12	1600	1	3 3/8 x 3 3/4 x 4	7	4.41

## INPUT (SWINGING) CHOKES

No.	Thord.	Henries	Ma.	Ohms	Insul.	Type	Each
C551	T19C39	5-20	150	215	3000	3	\$2.29
C634	T19C35	5-20	200	130	3000	8	2.82
C635	T19C36	5-20	300	105	5000	8	4.94
C637	T19C38	5-20	500	75	5000	7	10.58

## SMOOTHING CHOKES

No.	Thord.	Henries	Ma.	Ohms	Insul.	Type	Each
C552	T19C46	12	150	215	3000	3	\$2.29
C638	T19C42	12	200	130	3000	8	2.82
C639	T19C43	12	300	105	5000	8	4.94
C641	T19C45	12	500	75	5000	7	10.58

## UNIVERSAL MODULATION TRANSFORMERS

Ideal for amateurs and experimenters. The tapped coils used in this series designed for wide range applications. Type 1 mounting.

Stock No.	Thord. No.	Cap. Watts	Pri. Ma. Per Side	Secondary Series	Ma. Par.	Wt. Lbs.	Your Cost
C542	T19M13	15	50	50	100	2	\$3.35
C631	T19M14	30	75	75	150	4 1/2	5.83

## STANCOR PLATE TRANSFORMERS

Stock No.	Type	D.C.* Voltage	M.A.	Mtg. Dimen. H. W. D.	Mtg. Lbs.	Each
C1860	P8042	600	300	4 3/8 x 3 3/8 x 6 1/2"	3	16 \$10.58
C1861	P8043	750	300	7 1/2 x 6 1/2 x 8"	5	27 15.88
C1862	P8026	1250	300	7 3/8 x 7 3/8 x 8 3/4"	5	36 19.99
C1863	P8028	1500	300	7 3/8 x 7 3/8 x 9"	5	38 22.05
C1864	P8032	2000	300	7 3/8 x 7 3/8 x 9 3/4"	5	45 25.28

\*D.C. Voltage After Filter.

## SWINGING CHOKES

No.	Type	Hys.	Ma.-Ohms	HxWxD	Mtg.	Wt. Lbs.	Each
C1827	C1400	8-40	175	100	3 1/2 x 2 1/2 x 2 3/4"	3	\$2.23
C1766	C1702	8-30	250	60	3 1/2 x 3 x 3"	6	2.94
C1829	C1402	8-30	250	60	3 1/2 x 3 x 3 1/4"	3	3.23
C1769	C1720	5-25	300	80	4 3/8 x 3 3/8 x 3 3/4"	6	3.70

## FILTER CHOKES

C1830	C1410	20	175	100	3 1/2 x 2 1/2 x 2 3/4"	3	3	\$2.12
C1831	C1411	15	200	80	3 1/2 x 3 x 3 1/2"	3	4	2.76
C1832	C1646	20	200	70	3 3/8 x 3 1/2 x 3 3/8"	3	5	3.09
C1767	C1703	15	250	60	3 3/8 x 3 x 3 1/2"	6	4	2.94
C1833	C1413	12	300	80	4 3/8 x 3 3/8 x 3 3/8"	8	9	5.09

## FILAMENT TRANSFORMERS

No.	Type	Sec. V.	Amps.	HxWxD	Mtg.	Lbs.	Each
C1774	P3060	2.5	10	3 1/2 x 2 3/4 x 2 1/2"	6	3	\$2.41
C1790	P4088	5.0	3	3 1/2 x 2 1/2 x 2 1/2"	6	2	1.65
C1779	P5014	6.3	3	3 1/2 x 2 1/2 x 2 1/2"	6	2	1.73
C1775	P3064	6.3	6	3 1/2 x 2 1/2 x 2 1/2"	6	3	2.06
C1780	P5015	7.5	4	3 1/2 x 2 1/2 x 2 1/2"	6	3	1.76
C1782	P6138	7.5	8	3 3/8 x 3 x 3 1/2"	6	4	2.79
C1781	P5016	10.0	4	3 3/8 x 3 x 3 1/2"	6	3	2.23
C1791	P4096	10.0	5	3 3/8 x 3 x 3 1/2"	3	5	3.32

All secondaries C.T.—All primaries 115 V. 60 cycles.

## DRIVER TRANSFORMERS

Driver tubes listed in order of preference with best listed first.

No.	Type	From	To	Class	Mtg.	Each
C1896	A4208	PP 6C5, 6J5, 6N7, 6L5, 56, 27, 76	PP 2A3, 2A5, 6A3, 6F6, 6L6, 6V6, 42, 45, PP 6L6, 6V6, 45, PP Par. 6L6	AB	3	\$2.53
C1897	A4702	1-2A3, 45, 46, 89, 2A5, 6F6, 42	PP 6L6, 6V6, 6F6, 45, PP Par. 6L6	AB2	3	2.44

## POLY-PEDANCE DRIVER TRANSFORMERS

Tapped to give usable ratios in Class B Drivers. Cap. of C1616 and C1617, 15 wats; primary per side,—60 ma. Cap. C1618, 30 wats; primary 120 ma. per side. All type 1 mtg. Wt. 4 lbs.

Stock No.	Type No.	Ratio Primary to 1/2 Secondary	Dimen. HxWxD	Each
C1616	A-4761	1.25:1, 1.4:1, 1.6:1, 1.8:1, 2:1, 2.2:1, 2.4:1	3 1/2 x 2 3/8 x 3 3/4"	\$4.79
C1617	A-4762	2.6:1, 3:1, 3.2:1, 3.4:1, 4:1, 4.5:1, 5:1	3 1/2 x 2 3/8 x 3 3/4"	4.79
C1618	A-4763	1.25:1, 1.5:1, 1.75:1, 2:1, 2.25:1, 3.2:1	3 1/2 x 3 x 4"	5.88

## PLATE MODULATION TRANSFORMERS

No.	Type	Tubes	Sec. Imp.	Audio	Mtg.	Lbs.	Each
C1748	A3845	1-6A6, 6N7, 53, 79, 6Y7	3000, 5000, 6500, 8000	25 W.	3	4	\$2.41
C1751	A3808	PP 6L6, 807, HY61, RK41, PP Par. 6L6	4000, 5000, 7500, 10000	60 W.	8	8	5.41
C1757	A2907	PP 10, T20, TZ-20, HY25, 35, 46, 801, 89, 20	3300, 5000, 6800, 9000, 12,500	90 W.	8	10	7.03
C1758	A2908	PP RK18, T20, TZ20, HY25, RK31, 35T, 50T	3000, 4500, 5350, 6250	120 W.	8	11	7.41
C1759	A3829	P.P. RK 12, 57, HY25-40Z, T40, 809, 100T L	3300, 4000, 5000, 6250	175 W.	8	12	8.00

## POLY-PEDANCE MODULATION TRANSFORMERS

Tapped to give wide range impedances for correctly matching every type load. Impedance chart and instructions with each unit.

Stock No.	Type No.	Max. Audio	Pri. Ma. Per Side	Sec. Ma. Ser. Par.	Dimen. HxWxD	Type Mtg.	Each	
C1621	A-3892	30W	80	80	160	3 3/8 x 3 1/4 x 4 1/2"	1	\$5.00
C1622	A-3893	60W	125	125	250	3 3/8 x 3 1/4 x 4 1/2"	1	5.88
C1638	A-3895	300W	260	260	520	7 x 6 1/2 x 6 3/4"	1	24.40

Shpg. wts.: C1621, 6 lbs.; C1622, 8 lbs.; C1638, 35 lbs.



# INTERFERENCE FILTERS

## MALLORY Interference Filters



**X-3 Plug-In**  
Capacitive type for use between set and outlet. Rated 5 amps. at 110-220 volts. For slight interference. 1 3/8 x 2 3/4".

**C12510—Each** ..... **53¢**  
**Z-2.** Capacitive-inductive. 3 amps. at 110-220 v. 1 3/8 x 2 3/4".

**C12511—Each** ..... **82¢**

### W-7 Motor Type



Dual capacity unit for use on motor brushes or rings. Bracket for mounting to frame. For moderate interference. 110-220 volts. 7/8 x 1 1/4".

**C12512—Each** ..... **53¢**  
**W-11.** Like above, for severe interference. 1 3/8 x 3".

**C12513—Each** ..... **88¢**

### Heavy Duty Filters



**LC-5.** Inductance-capacity filter for severe interference. Rated 110-220 V., 5 amps. Has cord and plug and receptacle. 2 7/8 x 3 x 3 1/2" high. Case has mtg. flanges. Shpg. wt. 8 lbs.

**C12514—Your Cost** ..... **\$3.53**

**LC-10.** Same as above, but rated 110-220 V., 10 amps.

**C12515—Each** ..... **\$5.64**

### DeLuxe "Plug-In"

**Z-6.** A dual inductance-capacity filter with provision for return lead to ground. Recommended for suppressing severe interference. Rated 110-220 volts, 3 amps. Use at radio or noise source. 1 3/8 x 3 3/8".

**C12516—Each** ..... **\$1.23**

### Heavy Duty Type LB Industrial Filters

For use with equipment that is permanently connected to the power line or which draws 10 amps. or more. Contain capacitors and chokes 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 proper LB filter in series with the line at this point. Connections are made by splicing inside the cutout box. For 110 or 220 volts AC or DC.

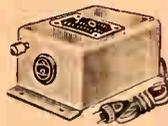
No.	Amps.	Size	Wt.	Each
C12517	10	6x6x4"	12 lbs.	\$8.47
C12518	20	10x10x6"	18 lbs.	19.76
C12519	40	12x10x6"	25 lbs.	24.70

## Cornell-Dubilier "Quietones"



IF-19-21

Most satisfactory results are obtained when Quietones are installed at the source of the interference. Where source of interference cannot be located a Quietone connected to the electric supply line of the radio receiver will alleviate, if not fully correct, the condition. Each has plug end and receptacle.



IF-18

For These  
Adding Machines  
Addressing Machines  
Billing Machines  
Dental Machines  
Dictating Machines  
Drilling Machines  
Washing Machines  
Air Conditioners  
Auto Call Systems  
Barber Clippers

For These  
IF-18 Cash Registers  
IF-18 Dishwashers  
IF-18 Floor Polishers  
IF-19 Food Mixers  
IF-19 Fans  
IF-19 Juice Extractors  
IF-19 Massagers  
IF-18 Radios  
IF-18 Refrigerators  
IF-21 Vacuum Cleaners

**IF-21.** All-Wave capacitive-inductive filter. For 110 V., 1.6 amps. max. In Walnut bakelite case. Shpg. wt. 2 lbs.  
**C12495—Your Cost Each** ..... **\$1.76**  
**IF-19.** Like above, but 5 amps. max.  
**C12494—Shpg. wt. 2 lbs. Your Cost Each** ..... **\$2.82**  
**IF-18.** All-Wave capacitive-inductive filter. For 110 volts, 5 amps. max. In Walnut bakelite case. Shpg. wt. 5 lbs.  
**C12493—Your Cost Each** ..... **\$3.53**  
**C12425—IF-6—Your Cost Each** ..... **88¢**

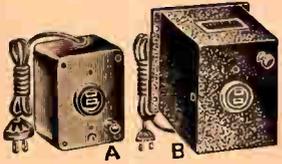
### Special Type "Quietones"



**IF-22A.** For use with Schick, Knapp Monarch, etc. shavers. Black bakelite case. Wt. 1 lb.  
**C12496—Your Cost Each** ..... **\$1.26**  
**IF-22B.** Like above, but for Packard, Zephyr, Remington-Rand, Ronson, etc. shavers.  
**C12497—Your Cost Each** ..... **\$1.26**  
**IF-27.** Capacitive-inductive filter for severe interference from oil burners, motors, etc. For 110 V., 5 amps. max. Steel box; flexible leads.  
**C12498—Shpg. wt. 5 lbs. Each** ..... **\$3.17**  
**IF-28.** Same as above, but for equipment drawing up to 10 amps. max. Shpg. wt. 7 lbs.  
**C12499—Your Cost Each** ..... **\$5.64**

## ICA "FILTERVOLTS"

### Intermediate Model (A)



Eliminates extremely noisy radio reception due to power line disturbances caused by lights, electrical appliances, etc. Can be installed at set or at source of interference. Metal case has receptacle, cord and plug and ground binding post. Capacitive-inductive type. Size: 4 3/8 x 3 3/8 x 1 1/4". Shpg. wt. 2 lbs.

**C12507—Each** ..... **\$2.65**

### All-Wave Model (B)

Contains heavy duty R.F. chokes, large filter capacitors and has "PI" filter circuit arrangement. Eliminates noises caused by electric heating pads, irons, toasters, vacuum cleaners, etc. Rated 250 watts, at 32, 110 and 220 volts a.c. or d.c. For use with any all-wave or broadcast receivers. Metal case 5 1/4 x 4 3/8". Has cord and plug and receptacle. Wt. 5 lbs.

**C12508—Each** ..... **\$4.41**

### Industrial "Quietone" Model IF-7A

Capacitive-inductive type heavy duty filter for eliminating noises caused by motors, oil burners, diathermy machines, elevators, etc. In steel cutout box 6x6x4", with knock-outs for BX cable or conduit. For single phase 110-220 volts a.c. or d.c. at 5 amps. Wt. 9 lbs.

**C12500—Each** ..... **\$5.29**



### Noise Filters For All Types of Fluorescent Fixtures

Under certain conditions it is often found that radio receivers connected to the same power lines will pick up electrical noise from a fluorescent fixture. This is easily eliminated by installing one of these filters into the offending fixture. The leads from the filter are connected to the power line and the case is grounded.

**DeLuxe Filter**—Cures the most obstinate cases. 4 1/2 x 1 3/8 x 1 1/2". Shpg. wt. 1 lb.  
**C12520—Your Cost** ..... **75¢**

**Standard Filter**—In cylindrical can 2 1/2 x 3/8". Shpg. wt. 1/2 lb.  
**C12501—Your Cost** ..... **53¢**

### IF-24 Fluorescent Lamp Filter

Capacitive type, ideal for fluorescent lights. In metal case. For 110 v., a.c. or d.c.  
**C12501—Each** ..... **53¢**

## SPRAGUE IF-21 Filter

Metal cased dual condenser filter. For use across brushes of small motors, etc. 2 3/8 x 1" dia. 6" leads.

**C12441—Each** ..... **71¢**

## ICA Duplex Filtervolt

Eliminates Noises Caused by Electric Shavers, Refrigerators, Fans, etc. Unit is equipped with Dual outlet, both sides being filtered for noise elimination.

**C12623—Your Cost** ..... **88¢**

## SPEAKER CEMENT and COIL DOPE

**Coil Dope Kit**  
It has a polystyrene base and its power factor loss is negligible even if used for high frequency work. Will render articles moisture proof. May also be used for cementing parts made of polystyrene. Kit contains 2 oz. bottle of coil dope, 1 oz. bottle of special thinner and two brushes. Shpg. wt. 1 lb.  
**C15313—Your Cost** ..... **38¢**

**Millen Coil Dope**  
2 oz. can of "Quartz Q"; for coils, RF chokes, etc. Finest of its type.  
**C8023—Your Cost** ..... **30¢**

**AMPHENOL "Liquid-912"**  
Polystyrene base. A synthetic resin that is non-hygroscopic and has no loss factor. Ideal for high frequency coils.  
**C15362—2 oz. bottle** ..... **29¢**  
**C15363—4 oz. bottle** ..... **38¢**  
**"916-8" Thinner for "912"**  
With brush.  
**C15364—2 oz. bottle** ..... **15¢**

**All-Purpose Cement**  
For speaker cones, bakelite, metal, wood, hard-rubber, etc.  
**C15310—2 oz. size** ..... **32¢**  
**C15311—8 oz. size** ..... **73¢**  
**C15312—1 pt. size** ..... **\$1.32**

**Liquid Victron**  
Famous Victron H.F. insulation in liquid form. For r.f. coils, etc.  
**C15260—2 oz. size** ..... **35¢**  
**C15308—8 oz. size** ..... **89¢**  
**C15275—1 pint size** ..... **\$1.62**

### High "Q" Coil Dope and Cement

**High "Q" Cement** for RF coils, etc. Maintains "Q", holds fast. 2-oz. can.  
**C15365—Your Cost** ..... **35¢**  
**Thinner No. 2.** High quality solvent for "High Q" cement only.  
**C15369—2 oz. can. Ea.** ..... **21¢**  
**Collodion.** Quick drying. For coils, cones, etc.  
**C15367—2 oz. can. Ea.** ..... **21¢**  
**Radio Cement.** Use where great tensile strength is needed.  
**C15366—2 oz. can.** ..... **29¢**  
**Each**  
**Thinner No. 1.** Solvent for lacquers, cement, collodion, etc.  
**C15368—2 oz. can. Each** ..... **35¢**

### Radio Service Cement

Suitable for cementing replacement cones and repairing tone cones. Used on glass, to hold wires in place, etc. Vibration-Proof, Waterproof, Fast-Drying.  
**C15314—2 oz. bottle, brush attached to cap. Each** ..... **29¢**  
**C15315—4 oz. bottle** ..... **53¢**  
**C15316—8 oz. bottle** ..... **94¢**  
**C15317—1 pt. bottle** ..... **\$1.76**

# MALLORY SWITCHES YAXLEY

P. R. MALLORY & CO. Inc. APPROVED RADIO PRODUCTS

## Midget Jack Switches

Same general construction as Junior types. Mount in  $\frac{7}{16}$ " hole. Include black knob and pointer.



No. 6446 — No. 10 S.P.S.T.  
Your Cost.....  
No. 11 — S.P.D.T.  
C6447 — Your Cost.....

**35¢**  
**47¢**

## YAXLEY Junior Jack Switches

Furnished with black knob; on-off plate. Mounts in  $\frac{1}{2}$ " hole.



Panels up to  $\frac{1}{4}$ " thick,  $1\frac{1}{2}$ " deep.

**Two Position Switches**  
No. Part Type Each  
C6470 720 S.P.S.T. \$0.50  
C6471 730 S.P.D.T. .62  
C6472 740 D.P.S.T. .68  
C6473 745 5-Spring .79  
C6474 760 D.P.D.T. .88  
C6475 733 3-P.S.T. .88  
C6469 744 4-P.S.T. 1.15

**Three Position Switches (Center Position Off)**  
C6440 732 S.P.D.T. .62  
C6441 762 D.P.D.T. .85  
C6442 763 3-P.D.T. 1.12  
C6443 764 4-P.D.T. 1.38

## YAXLEY Push Button Switches

Non-locking Types  
Furnished with black Bakelite knob. Mounts



in  $\frac{7}{16}$ " hole, panels up to  $\frac{1}{4}$ ".  
C6460 — No. 2001. Make Contact.  
C6461 — No. 2002. Break Contact.  
Your Cost, Either Type.....  
C6462 — No. 2003. S.P.D.T.  
Your Cost Each.....  
C6457 — No. 2004. 2-pole, 2-contact.  
Your Cost.....

**65¢**  
**71¢**  
**85¢**

## 24 Point Tap Switch

With Knob and Dial Plate

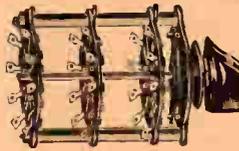


Special single circuit 24-point non-shorting switch.  $3/9$ " bushing, 2" grooved shaft. Complete with dial plate and bar-type knob.  
C6371 —  
Your Cost.....

**\$1.88**

## YAXLEY Gang Switches

Contact members are heavily silver plated, and given a smooth hard finish. Contact shoe, of the self-cleaning type, is of silver alloy. All switches are provided with one permanent stop and one adjustable stop. Bushings  $\frac{3}{8}$ ", and extend  $\frac{3}{4}$ ". Pointer type, Bakelite knob supplied.



### SINGLE GANG SWITCHES

Shorting Stock No.	Type	Non-Shorting Stock No.	Type	Total No. Circuits	Points	Your Cost
C6247	1216L	C6263	1316L	1 Circuit	1 to 6 points	\$0.71
C6248	1211L	C6264	1311L	1 Circuit	1 to 11 points	.82
C6249	1215L	C6265	1315L	2 Circuit	1 to 5 points each	.88
C6250	1213L	C6266	1313L	3 Circuit	1 to 3 points each	.97
C6251	1212L	C6267	1312L	4 Circuit	1 to 2 points each	1.03

### TWO GANG SWITCHES

C6252	1226L	C6268	1326L	2 Circuit	1 to 6 points each	1.15
C6253	1221L	C6269	1321L	2 Circuit	1 to 11 points each	1.23
C6254	1225L	C6270	1325L	4 Circuit	1 to 5 points each	1.41
C6255	1223L	C6271	1323L	6 Circuit	1 to 3 points each	1.50
C6256	1222L	C6272	1322L	8 Circuit	1 to 2 points each	1.59

### THREE GANG SWITCHES

C6257	1236L	C6273	1336L	3 Circuit	1 to 6 points each	1.56
C6258	1231L	C6274	1331K	3 Circuit	1 to 11 points each	1.68
C6259	1235L	C6275	1335L	6 Circuit	1 to 5 points each	1.76

### FOUR GANG SWITCHES

C6260	1246L	C6276	1346L	4 Circuit	1 to 6 points each	1.94
C6261	1241L	C6277	1341L	4 Circuit	1 to 11 points each	2.12
C6262	1245L	C6278	1345L	8 Circuit	1 to 5 points each	2.47

### SIX GANG SWITCHES

C6281	1261L	C6283	1361L	6 Circuit	1 to 11 points each	3.12
C6286	1266L	C6287	1366L	12 Circuit	1 to 6 points each	3.97

## YAXLEY Ceramic Switches

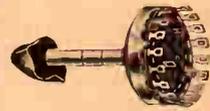


Low loss ceramic insulation, wide contact spacing, improved heavy silver plated contacts. For transmitters with power up to 100 watts. 4 contacts per circ. With knob.

No.	Type	Gangs	Circuits	Each
C6642	161C	1	1	\$1.21
C6643	162C	2	2	1.91
C6644	163C	3	3	2.76
C6645	164C	4	4	3.47
C6646	165C	5	5	4.32

C6647 — Special dial plate for above. Numbered from 1 to 4.  
Your Cost Each..... **12¢**

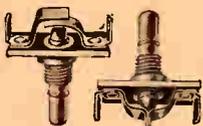
## "3100" Series Single-Gang Tap and Circuit Selector Switches



Suitable for use in many types of test circuits. 2" notched shafts,  $\frac{1}{4}$ " diam. With black bar knob and mounting nut.  $\frac{3}{8}$ " bushings. Same features as gang switches (listed above). \* — Have adjustable stop.

Shorting Stock No.	Type	Non-Shorting Stock No.	Type	No. of Circuits	Contacts Per Circuit	Base Diam.	Your Cost
C6878	3115J	C6888	3215J	One	5	$1\frac{1}{2}$ "	\$0.53
C6879	31112J	C6889	32112J	One	12	$1\frac{1}{2}$ "	.53
C6890	3122J	C6890	3222J	Two	2	$1\frac{1}{2}$ "	.53
C6891	3123J	C6891	3223J	Two	3	$1\frac{1}{2}$ "	.53
C6880	3126J	C6892	3226J	Two	6	$1\frac{1}{2}$ "	.53
C6881	3134J	C6893	3234J	Three	4	$1\frac{1}{2}$ "	.65
C6882	3142J	C6894	3242J	Four	2	$1\frac{1}{2}$ "	.65
C6883	3143J	C6895	3243J	Four	3	$1\frac{1}{2}$ "	.97
C6884*	31117J	C6896*	32117J	One	17	$1\frac{1}{2}$ "	.97
C6885*	3129J	C6897*	3229J	Two	9	$1\frac{1}{2}$ "	.97
C6886*	3136J	C6898*	3236J	Three	6	$1\frac{1}{2}$ "	1.06
C6887*	3163J	C6899*	3263J	Six	3	$1\frac{1}{2}$ "	1.06

## Centralab Momentary Push Switches



For many light duty applications such as meter insertion, test equipment, etc. Rated 1 amp. at 110 v. a.c. Silvered contacts. Insulated  $\frac{3}{8}$ " bushing,  $\frac{3}{8}$ " long. Button extends  $\frac{1}{2}$ " from end of bushing. Available with contacts normally closed or open.

C12867 — Momentary closed  
C12862 — Momentary open  
Either Type,  
Your Cost, Each..... **29¢**

## CENTRALAB "Positive" & "Spring Return" Switches



Lever Action  
Each switch supplied with knob. Plates available for mounting singly or in groups up to five.

Shorting No.	Type	Non-Shorting No.	Type	Action	Your Cost
C12825	2	3	Positive	C12799	59¢
C12826	2	3	Spring	C12800	
C12801	4	2	Spring	C12802	
C12804	4	2	Positive	C12803	
C12805	2	3	Pos. & Spr.	C12806	

Any Type Above,  
Each.....

### Mounting Plates

No.	Gangs	Dimen.	Each
C12794	1	$2\frac{3}{8} \times 3\frac{1}{2}$	12¢
C12795	2	$1\frac{1}{2} \times 3\frac{1}{2}$	18¢
C12796	3	$2\frac{1}{2} \times 1\frac{1}{2}$	21¢
C12797	4	$3 \times 2\frac{1}{2}$	26¢
C12798	5	$3\frac{3}{4} \times 3$	29¢

## CENTRALAB Tone Switches



### Rotary Action

All are shorting type; have  $\frac{3}{8}$ " dia. bushing with  $\frac{1}{4}$ " insulated steel shaft,  $2\frac{1}{4}$ " long. No knobs or plates.

Stock No.	Description	Each
C12768*	S.P. 2 pos.	29¢
C12769*	S.P. 3 pos.	29¢
C12770*	D.P. 2 pos.	35¢
C12820*	D.P. 3 pos.	44¢
C12771†	S.P. 2 pos.	38¢
C12772†	D.P. 2 pos.	44¢
C12773†	4 P. 2 pos.	59¢

\* — Pos. Action. † — Spring Return.

Due to space limitations we have listed only a few of the still available Centralab products. Send in your order for unlisted Centralab products. Where possible, extend highest priority for quick shipment.

## YAXLEY Etched Plates

Hard aluminum with numbers etched in white. Fit  $\frac{3}{8}$ " bushings. Plates with on-off position for use with switches.



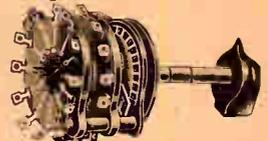
30° spacing for all switch types 1200L, 1300L and 3200J base 3100J and 3200J spacing for all type 3100J, 3200J switches with  $1\frac{1}{4}$ " base.

Marking	30° Spacing	Stk. No.	30° Spacing	Stk. No.
1 to 2		C6224		
1 to 3		C6225		C6303
1 to 4		C6226		C6304
1 to 5		C6227		C6305
1 to 6		C6228		C6306
1 to 7		C6229		C6307
1 to 8		C6230		C6308
1 to 9		C6231		C6309
1 to 10		C6232		C6310
1 to 11		C6233		C6311
1 to 12		C6234		C6312
1 to 15				C6243

Volume	Stk. No.	Volume	Stk. No.
Off-1 to 3	C6244	C6313	
Off-1 to 4	C6235	C6314	
Off-1 to 5	C6236	C6315	
Off-1 to 6	C6237	C6316	
Off-1 to 7	C6238	C6317	
Off-1 to 8	C6239	C6318	
Off-1 to 9	C6240	C6319	
Off-1 to 10	C6241	C6320	
Off-1 to 12	C6242		

Any Type  
Your Cost..... **12¢**  
C6223 Marked "0-100", Each 15¢

## Special Switches



No. 1400L — 12 positions; opens one line at a time while maintaining circuit through others.  $1\frac{1}{2} \times 2\frac{1}{2}$ " wide,  $\frac{3}{8}$ " bushing.  $\frac{1}{2}$ " notched shaft. With knob and dial plate.  
C6370 — Your Cost..... **\$3.17**

## BIAS CELLS

1 and  $1\frac{1}{2}$  volt types. For biasing high-gain amplifiers.  
C6419 — 1 volt.  
C6424 —  $1\frac{1}{2}$  volt.

Your Cost Each..... **21¢**  
Holders Only for Above  
C6420 — For 1 Cell..... 9¢  
C6421 — For 2 Cells..... 15¢  
C6422 — For 3 Cells..... 18¢  
C6423 — For 4 Cells..... 24¢

## FEDERAL Anti-Capacity Switches



Springs are phosphor bronze silverplated, actuated by a cam roller. Minimum capacity.  
Stock No. Type Your Cost  
C12852 D.P.S.T. } **\$1.65**  
C12851 D.P.D.T. }  
C12850 4-P.D.T. } \$1.90

## Amphenol Tap Switch

Fully shielded. Side set screw locks switch-arm in position, preventing accidental tap changes. Tap designation visible through window in bevel of cap. Compact, mounted height  $\frac{3}{8}$ ", overall dia.  $1\frac{1}{16}$ ", 8 position. Single Pole.  
C12669 —  
Your Cost..... **44¢**



# RADIO and POWER SWITCHES

## PRECISION MU-SWITCHES Metal Clad Type



A strong metal-cased high-quality switch for uses where a protective housing is required and where conduit connections are desired. Low pressure actuating movement. Available for either side or bottom mounting. For use on machine tools, aircraft, ships, tanks, packaging machinery and many others. Underwriter's Lab. approved. Rated 17 amps. at 125 V. A.C.; 8.5 amps. at 250 V. A.C. Size: 3x1x1 3/4" high.

Type MBP-DN—Sleeve Plunger with Neoprene Hood. SPDT. **C12750—Your Cost..... \$3.51**  
Type MBP-D—Sleeve Plunger. SPDT. **C12751—Your Cost \$2.61**  
Type MB-DW—Roller Leaf. SPDT. **C12752—Your Cost..... \$2.21**

## Standard MU-Switch

Light pressure, quick action precision units. Require only 4 oz. pressure and .001" of movement to operate. Underwriters approved. Rated 15 amps. at 125 volts a.c.; 1/2 H.P. inductive loads at 125-460 v. a.c. Bakelite case 1 1/2 x 1 1/2 x 3/4" high. Screw terminals with lugs. Used for sorters, counters, float controls, etc.  
No. Type Normal Each  
**C12725 S.P.S.T. Closed } 90¢**  
**C12726 S.P.S.T. Open } 90¢**  
**C12727 S.P.D.T..... \$1.08**



## Thermostat-Type MU-Switch

For automatic control of temperature in electrically heated brooders and incubators, or wherever an automatic electric heat control is desired. Maximum efficiency between 80° and 120° F. Has double ether-filled wafer and adjusting screw. Rated; 15 amps, 125 v.; 5 amps, 250 v. A.C. only. Non-inductive loads. **C12753—Your Cost..... \$1.35**



**NOTE:** In addition to the above MU-Switches we can supply their entire line of Basic Aircraft and many other types for specialized uses. Write for Mu-Switch catalog and price list.



## JONES Terminal Strips

No. 140—3/8" wide by 1 3/8" high. Terminals are mounted on 3/8" centers. 3/4" metal to metal spacing over bakelite. Screws are 5/40x3/8".  
No. 141—1 1/8" wide by 1 3/8" high. Terminals mounted on 3/8" centers. 3/4" metal to metal spacing over bakelite. Screws are 6/32x3/4".  
No. 140 No. 141  
Stock No. Stock No. Terminals Price  
**C12527 C12539 2 11c-14c**  
**C12528 C12540 3 16c-20c**  
**C12529 C12541 4 20c-25c**  
**C12530 C12542 5 24c-30c**  
**C12531 C12543 6 27c-35c**  
**C12532 C12544 7 31c-40c**  
**C12533 C12545 8 35c-46c**  
**C12534 C12546 9 40c-51c**  
**C12535 C12547 10 44c-56c**  
**C12536 C12548 11 48c-62c**  
**C12537 C12549 12 52c-67c**

## CUTLER - HAMMER Switches

Cutler-Hammer Switches are approved by the Underwriters.



**Toggle Switches**  
Approved type with nickel plated metal parts. All rated at 3 amperes at 250 volts except **C12834** (3 amps. at 125 v.). Stems 1 1/2" diam.

**Single Pole-Single Throw**  
**C12836**—1/2" Stem **22¢**  
**Your Cost, Each.....**  
10 for..... \$1.98  
**C12835**—1" Stem **25¢**  
**Your Cost, Each.....**  
10 for..... \$2.25  
**Single Pole-Double Throw**  
**C12834**—1/2" Stem **26¢**  
**Your Cost, Each.....**  
10 for..... \$2.34  
**Double Pole-Double Throw**  
**C12833**—1/2" Stem **44¢**  
**Your Cost, Each.....**  
10 for..... \$3.96  
**Double Pole-Single Throw**  
**C12817**—1/2" Stem **42¢**  
**Your Cost, Each.....**  
10 for..... \$3.78

## C-H Power Switches

Heavy duty types. Rated at 250 volts. A.C. or D.C. Wiping contacts. 1 1/2" bushings.  
No. Type Amps. Ea. 10 For  
**C12813 S.P.S.T. 6 45c \$4.05**  
**C12814 D.P.S.T. 5 49c 4.41**  
**C12815 S.P.S.T. 12 78c 7.02**  
**C12816 D.E.S.T. 10 83c 7.47**



## Midget Knife Switches

Panel mounting. Have black Bakelite bases, plated metal parts. Single pole types 1 1/2" long, 1/2" wide; double pole 1 1/2" long, 1" wide. With mtg. nuts. **Your Cost**  
No. Type Each  
**C16842 S.P.S.T. 19c**  
**C16843 S.P.D.T. 32c**  
**C16845 D.P.S.T. 38c**  
**C16844 D.P.D.T. 40c**



## Porcelain Base Knife Switches

Especially suitable for aerial and ground. Copper contacts and blades.  
Stock No. Type Your Cost  
**C16820 S.P.S.T. 13c**  
**C16821 S.P.D.T. 16c**  
**C16822 D.P.S.T. 23c**  
**C16823 D.P.D.T. 27c**  
**C16825 3-P.D.T. 53c**



## Terminal Strips

Hi-quality bakelite terminal strips, 1/8" thick. Plain, no markings.  
No. Terminals Ea. 10 For  
**C13145 2 6c 52c**  
**C13123 3 7c 62c**  
**C13112 4 10c 89c**  
**C13113 6 15c \$1.35**



## BAKELITE MOUNTING STRIPS

For mounting parts which are to be insulated from chassis. Tinned.  
Stock No. Lugs Each 10 For  
**C13124 1 2c 14c**  
**C13133 2 3c 16c**  
**C13134 3 3c 18c**  
**C13135 4 4c 33c**  
**C13137 6 4c 33c**



## S.P.S.T. Toggle Switch

New design, fast acting s.p.s.t. toggle switch. Excellent for appliances, radio receivers, etc. Rated 3 amperes at 125 volts a.c. 3/8" bushing. Solder lug terminals. **10 for..... \$1.53**

**C12837—Your Cost Each..... 17¢**

## S.P.D.T. Switch

Exposed type. Dead center position. 1/2" shaft, with hex. nut. **C12832—Each..... 24¢**  
10 for..... \$2.16  
**Single Pole-3 Throw**  
Same as above. 1/2" shaft. **C12831—10 for..... \$4.41**  
**Your Cost, Each..... 49c**



## S.P.S.T. Slide Switch

Approved by Underwriters. Bakelite case, metal "on-off" plate. 6 amps., 125 v. Requires 3/8"x1 1/2" hole. **C12841—Your Cost..... 37¢**  
10 for..... \$3.35



## "On-Off" Switch Plates

For Toggle Switches. With locating projection. Marked "on" and "off". **C12818—Your Cost Each..... 2¢**  
10 for..... 15c



## Canopy Switch

Rotary type, composition top. Very shallow. Wire leads. Rated 3 amp. at 125 volts. **C13342—Each..... 12¢**  
10 For..... \$1.08



## Bakelite Knife Switches

Heavily plated metal parts, bakelite base. Single pole types 1 1/2" long; double pole 2 1/2".  
Stock No. Type Your Cost  
**C16830 S.P.S.T. 45c**  
**C16831 S.P.D.T. 53c**  
**C16832 D.P.S.T. 61c**  
**C16833 D.P.D.T. 71c**  
**C16834 3-P.S.T. 99c**  
**C16835 3-P.D.T. \$1.06**  
**C16836 4-P.S.T. 1.32**  
**C16837 4-P.D.T. 1.58**



## Heavy Bakelite Strips

Screw and collar terminals mounted on 3/8" bakelite strips, 7/8" wide.  
No. Terminals Ea. 10 For  
**C13140 2 10c 89c**  
**C13141 3 13c \$1.15**  
**C13142 4 18c 1.60**  
**C13143 5 21c 1.85**  
**C13144 6 24c 2.15**  
**C13230 7 29c 2.60**  
**C13231 8 35c 3.15**  
**C13232 9 40c 3.55**  
**C13233 10 46c 4.00**



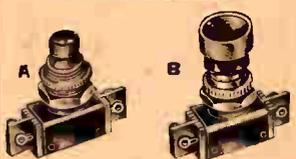
During the present emergency, we must reserve the right to substitute equal quality whenever necessary.

## Bat-Handle Toggle Switches



For set manufacturers, service men and set builders. Metal base. Nickel-plated finish. Heavy solder lugs. 1/4" shank, 3/8" diameter. Handle is shaped like a baseball bat.  
Stk. No. Type Each 10 For  
**C12760 S.P.S.T. 32c \$2.88**  
**C12761 S.P.D.T. 41c 3.69**  
**C12762 D.P.S.T. 50c 4.50**  
**C12763 D.P.D.T. 66c 5.94**

## H & H Two Circuit Push Switches



In normal position, with plunger out, one circuit is "on", and the other "off". When plunger is depressed, circuits are reversed. Slow make, quick break momentary contacts. Rated 6 amp. at 125 v. a.c. Bushing 1 1/2" dia., 5/8" long.

**METAL PLUNGER (A)**  
Used on Supreme instruments and other popular makes. **C12774—Each..... 35¢**  
10 For \$3.15

**BAKELITE TIP (A)**  
**C12777-Red } Ea. 37¢ 10 For**  
**C12778-Black } \$3.33**

**BAKELITE BUTTON (B)**  
**C12775-Red } Ea. 42¢ 10 For**  
**C12776-Black } \$3.78**

## H. & H. Rotary Panel Switches

Rated 3 amps., 125 volts. Approved type. With locknuts. Shaft extends 1". Bushing 1" in diameter. With lug terminals.  
No. Type Each 10 For  
**C12779 S.P.S.T. 22c \$1.98**  
**C12780 S.P.D.T. 26c 2.34**  
**C12693 S.P.D.T.\* 29c 2.61**  
**C12781 D.P.S.T. 42c 3.78**  
**C12782 D.P.S.T.\* 47c 4.23**  
**C12783 D.P.D.T. 45c 4.05**  
**C12784 D.P.D.T.\* 49c 4.41**  
\*Bushing extends 1". Others, 3/4".



## CLAROSTAT Rotary Switches

Compact, positive contact Underwriter's Approved Switches. Bakelite molded construction. Rated 1 amp., 250 volts; 3 amps., 125 volts. 1 1/2" diam., 3/8" body depth; bushings are 3/8" diam. 1 1/2" shaft.  
Stock No. Description Your Cost  
**C12845 S.P.—S.T. 29c**  
**C12846 D.P.—S.T. 35c**  
**C12847 S.P.—D.T. 35c**  
**C12848 4-Wire, S.T. 35c**



## SPST TOGGLE SWITCH

Manufacturers type with 6" stranded insulated wire leads. Rated 3 amps 250 volts, 1/8" threaded shank. 3/4" long. Bright nickel plated finish. **C12688—Your Cost Each 22¢**



# AMPHENOL PLUGS and CONNECTORS

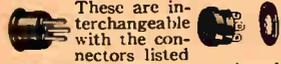
## Miniature Connectors



Molded bakelite connectors in cadmium plated brass shells. Only 1 1/8" long, 1 1/16" diameter. Bakelite element held in place by set screw. When used with shielded cable, shield can be soldered to shell. Accommodates cables up to 1/4".

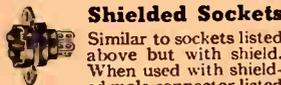
Male	Female	Cont.	Each
C13335	C13337	3	18c
C13336	C13339	4	20c
C13333	C13334	5	22c
C13338	C13340	6	22c

## Miniature Sockets and Plugs



These are interchangeable with the connectors listed above. The sockets are equipped with push-on mounting rings and can be used with above listed male plugs as well as the plain plug listed here. Similarly the plugs listed below can be used with the female connectors listed above.

Sockets	Plugs	Cont.	Each
C11599	C12708	3	8c
C12701	C12709	4	8c
C12702	C12710	5	10c
C11542	C12711	6	10c

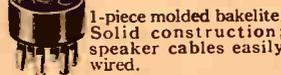


## Shielded Sockets

Similar to sockets listed above but with shield. When used with shielded male connector listed at top of page a completely shielded connection is obtained. Easily mounted.

No.	Type	Each
C12704	3-contact	18c
C12705	4-contact	18c
C12706	5-contact	20c
C12707	6-contact	20c

## Standard Speaker Plugs

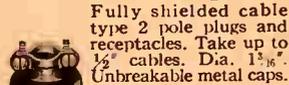


1-piece molded bakelite. Solid construction; speaker cables easily wired.

No.	Type	Each
C11512	4 prong	6 1/2¢
C11513	5 prong	
C11514	6 prong	
C11515	7 prong	
C11516	8 prong	

## For Amphenol Co-Axial Cable and Connectors see page 65

## AMPHENOL Shielded Plugs



Fully shielded cable type 2 pole plugs and receptacles. Take up to 1/2" cables. Dia. 1 3/16". Unbreakable metal caps.

### WITH CLAMP (A)

No.	Description	Each
C11546	Receptacle	24¢
C11545	Standard Plug	
C11647	Polarized Plug	

### SIDE OUTLET (B)

No.	Description	Each
C11548	Receptacle	21¢
C11547	Standard Plug	
C11650	Polarized Plug	

### END OUTLET (C)

No.	Description	Each
C11651	Receptacle	21¢
C11652	Standard Plug	
C11653	Polarized Plug	

AMPHENOL CONNECTORS are recognized as the world's finest precision connectors and are approved by U. S. Army and Navy in accordance with specification AN9534 for use in aircraft, tanks, ships, firing control devices, etc. The number of contacts per single shell range from 1 to 47 with current carrying capacity per contact ranging from 5 to 200 amperes. Listed on this page are only a few of the many important items in the complete Amphenol catalog. However, Lafayette Radio Corporation can supply any Amphenol product manufactured. A complete Amphenol catalog will be sent on request of purchasing agents, engineers, etc. Include highest priority ratings on all Amphenol orders.

## "AN" Plugs, Receptacles and Fittings

### "AN" Connectors



Designed in accordance with U. S. Army-Navy Procurement Specification AN-9534, as most suitable for general radio and P.A. work. All have aluminum alloy shells with light sand blast finish. Insulation is high dielectric black bakelite. Machined threads with Permalux coating prevent binding. Shells are polarized to prevent incorrect insertions. Male and female elements are interchangeable so that male prongs can be kept at dead end of circuit. Contacts are machined from phosphor bronze bar stock and heavily silver plated, to insure low resistance. Cable clamps have two inner grooves into which cable covering is pressed when side machine screws are tightened; supplied with live rubber gasket backed by a fibre washer. Take cables from 3/16" to 1/2".

### Angle Connectors (A)

Male. Right angle; rear end can be swung through 360°. Use with units having coupling threads.

Stock No.	Con-tacts	For Wire Size	Your Cost
C12550	1	8*	\$2.44
C12551	1	16	2.34
C12552	3	20	2.53
C12553	4	20	2.59
C12554	5	20	2.71

### Straight Connector With Coupling Ring (B)

Male. Use with connector having coupling threads.

Stock No.	Con-tacts	For Wire Size	Your Cost
C12560	1	8*	\$1.94
C12561	1	16	1.78
C12562	3	20	1.97
C12563	4	20	2.07
C12564	5	20	2.16

### Chassis Unit (D)

Female. Has square mounting flanges for permanent assembly to chassis with screws or rivets.

Stock No.	Con-tacts	For Wire Size	Your Cost
C12555	1	8*	\$1.05
C12556	1	16	.77
C12557	3	20	.89
C12558	4	20	.95
C12559	5	20	1.01

### Straight Connector With Coupling Threads (C)

Female. Like above, but with coupling threads.

Stock No.	Con-tacts	For Wire Size	Your Cost
C12565	1	8*	\$1.96
C12566	1	16	1.60
C12567	3	20	1.71
C12568	4	20	1.77
C12569	5	20	1.83

\*Widely used for connecting antenna feeders.

"AN" Connectors are exceptionally easy to wire. Both male prongs and female contacts extend beyond bakelite element and are terminated in a soldering lug. Simply insert wire into lug and touch with soldering iron; lugs are solder coated.

## AMPHENOL Receptacles and Plugs



Molded black bakelite insulation. 2-pole receptacles have one elongated hole and can be used with both the standard type of plug and the polarized type having one 1/4" and one 3/16" blade. 3-pole receptacles are for use with 3 pole plugs. Underwriters ratings: 15A-125V. or 10A-250V. Dimensions: (A) hole—1.172", (B) Mtg. ctrs.—1 1/2 to 1 1/8", (C) hole—1 3/8", Mtg. ctrs.—1 3/4", (D) diam.—2 5/16", height—1 1/8".

### PLAIN (A)

No.	Poles	Type	Each
C11502	2	Receptacle	15¢
C11503	2	Standard Plug	
C11624	2	Polarized Plug	21c
C11625	3	Receptacle	
C11626	3	Polarized Plug	

### WITH PLATE (B)

No.	Poles	Type	Each
C11500	2	Receptacle	16¢
C11501	2	Standard Plug	
C11627	2	Polarized Plug	

### FLUSH (C)

No.	Poles	Type	Each
C11504	2	Receptacle	24¢
C11505	2	Standard Plug	
C11635	2	Polarized Plug	

### SURFACE TYPE (D)

No.	Poles	Type	Each
C11637	2	Receptacle	21¢
C11638	2	Standard Plug	
C11639	2	Polarized Plug	

## Heavy Duty Type Multiple Connectors



Cadmium finished locking type shells with ring on male plug and matching thread on female connectors. Rubber gasket and cable clamp keep strain off prongs. Coupled connectors 3 1/4" L. by 1 1/2" D. Chassis type req. 1 1/4" hole.

Con-tacts	Male Plug	Female Conn.	Chassis Conn.
4	C13555	C13377	C13274
5	C13554	C13376	C13273
6	C13553	C13375	C13272
8	C13492	C13491	C13269

Any Above Type Your Cost Each..... 73¢

## Polarized Four-Pole Plugs



Underwriters approved. 4 extra heavy prongs rated at 15A-125V. or 10A-250V. Dirt and moisture proof. Cable clamp adjustable to 1/2". Connectors coupled—3" long x 1 1/8" diam. POLARIZED, with numbered contacts. Fully shielded. Elements are interchangeable. Shell may be used as fifth conductor.

C73314	—Male (A)	.....	\$1.47
C73316	—Female (B)	.....	1.47
C13320	—Panel receptacle (C)	.....	

Female. Mounts in 1 1/4" hole. Has thread for male plug ring... \$1.47

## Cable Connectors



Standard tube-base size connectors with shield caps. Rubber-grommet cable opening at end.

Female	Male	Contacts	Each
C11475	C11471	4	15c
C11476	C11472	5	15c
C11477	C11473	6	15c
C11478	C11474	7S	15c
C11491	C11490	8	15c
C11508	C11506	9	17c
C11509	C11507	11	21c



Same as above but with cable opening at side. 1 1/4" L. 1 1/4" D.

Female	Male	Contacts	Each
C11586	C11579	4	15c
C11587	C11580	5	15c
C11588	C11581	6	15c
C11589	C11582	7S	15c
C11590	C11583	8	15c
C11591	C11584	9	17c
C11592	C11585	11	21c



Same as above, but has positive gripping cable clamp. Clamp accepts cables up to 1/16" in diameter.

Female	Male	Contacts	Each
C11684	C11692	4	18c
C11685	C11693	5	18c
C11686	C11694	6	18c
C11687	C11695	7S	18c
C11688	C11696	7L	18c
C11689	C11697	8	18c
C11690	C11698	9	20c
C11691	C11699	11	24c

## Locking Covers



For above connectors. 1 1/2 x 2 1/2". C11479—Per Pair..... 15c

# JACKS PLUGS SOCKETS



## Midget Jacks

Fibre insulation.  $\frac{3}{4}$ " mtg. hole.  
**C6548**—Closed circuit jack.  
**C6549**—Open circuit jack.

Your Cost Each... **15¢**  
**C6550**—New Imp. Short Jack.  
 3-circuit for 3-way plugs. Ea. 19c

## Popular Phone Plugs



For 1 or 2 phone or speaker cords.  
 Molded bakelite shell.  $2\frac{1}{2}$ " long x  $\frac{3}{4}$ " diam. Screw connections.  
**C14974**—Black... **32¢**  
**C14971**—Red. Each... **32¢**  
 10 For... \$2.85

## Metal Shell Type

Same with nicked brass shell  $3\frac{3}{4}$ " x  $\frac{3}{4}$ ". 10 For \$4.75  
**C14970**—Each... **53¢**

## "Stubby" Metal Shell

As above but with short metal shell.  $2\frac{1}{2}$ " overall. 10 For \$3.75.  
**C14959**—Each... **42¢**

## Midget Bakelite Plug

Bakelite shell.  $2\frac{1}{4}$ " overall x  $\frac{9}{16}$ " diameter. Solder lug connections.  
**C14960**—Black... **C14963**—Red  
 Your Cost 10 For \$2.85... **32¢**  
 Each

## Midget Metal Shell

Same with metal shell.  $2\frac{1}{4}$ " overall x  $\frac{9}{16}$ " diam. 10 for \$3.40.  
**C14958**  
 Your Cost—Each... **38¢**

## Locking Type Shielded Telephone Plug



Cannot be accidentally removed from its jack. With panel receptacle which replaces hex nut of present jack. Nickel finish.  $\frac{3}{4}$ " x  $2\frac{1}{4}$ " L.  
**C13294**—2-Term. (Phone)... \$1.03  
**C13295**—3-Term. (Mike)... 1.32

### NOTE

Consult page 61 for tip jacks, banana jacks and phono jacks.

# MALLORY PRODUCTS

## Signal Corps Type Jacks

**Phone Jack:** Like Sig. Corps type JK-34A. Open circuit. Takes Mallory 75; W. E. 47A, 47B; Sig. Corps No. PL-47, PL-48, PL-55, PL-148, PL-153.  
**C6300**—Each... **35¢**

**Mike Jack:** Three circuit. Like Sig. Corps No. JK-33A. Takes W. E. 109; Sig. Corps No. PL 46, PL-68, PL-168.  
**C6301**—Each... **41¢**

## Grounding Jack

No. GJ-1—For grounding airplanes while re-fueling. Similar in construction to midget jack No. A-1, except for insulation.  
**C6339**—Your Cost... **24¢**

## YAXLEY Plugs & Jacks



No. 75. Two way. Bakelite shell. Tie cord anchor.  
**C6295**—Each... **35¢**

No. 75N. As above, but nickel shell. Tie cord anchor.  
**C6293**—Each... **53¢**

No. 75A. As above, with built-in cable clamp.  
**C6346**—Each... **88¢**

No. 100. 2-Way Extension Jack. Fibre shell. **C6345**—Each... 71c

No. 100N. As above, but with nickel shell. **C6342**—Each... 88c

No. 100A. As above, with nickel shell, cable clamp.  
**C6349**—Each... \$1.23

## Microphone Plugs & Jacks

No. 76. 3-way mike plug. Bakelite shell. **C6296**—Each... 53c

No. 76A. Same, but with nickel shell. **C6347**—Each... \$1.06

No. 101. 3-way Mike Jack for above. Fibre shell.  
**C6343**—Each... \$1.06

## YAXLEY Midget Jacks

Extremely compact. Mount in  $\frac{3}{8}$ " hole. Type A-1 "Infant" jack is not illustrated.

No. Part Type Each  
**C6182** A-1 Open Circuit 18c  
**C6183** A-2 Circuit Closing 26c  
**C6184** A-2A Two Circuit 29c  
**C6185** A-3A Cir. Reversing 44c

## Long Frame Jacks

Extend  $3\frac{1}{2}$ " behind panel. Pure silver contacts. Bakelite separators.

No. 1. Open Circuit. **35¢**  
**C6400**—Your Cost... **35¢**  
**C6401**—No. 2 Circuit Closing.  
**C6402**—No. 2A. Two Circuit.

Either Type, Your Cost Each... **44¢**

## YAXLEY Junior Jacks

Compact, extend only  $1\frac{1}{16}$ " behind the panel. Heavily plated springs.

No. 701—Open Circuit. **29¢**  
**C6450**—Your Cost... **29¢**

**C6451**—No. 702. Circuit closing.  
**C6449**—No. 702A. Two circuit.  
**C6435**—No. 702B. Three circuit microphone.

Your Cost, Any Type... **41¢**  
**C6452**—No. 703. Single circuit filament control.

**C6459**—No. 703A. Circuit reversing.

**C6466**—No. 703B. 3-circuit Mike, one circuit closing.  
 Your Cost, Any Type **47¢**

**C6453**—No. 704. Interstage.  
**C6478**—No. 704A. 2-circuit filament control.

Your Cost, Any Type **53¢**  
**C6479**—No. 705. 2-circuit filament lighting... 62c

**C6448**—No. 706. Interstage filament control. Your Cost... 68c



## Flat Plug

Ultra-compact type, for use where space is limited. Molded bakelite body.  $1\frac{1}{16}$ " dia.  $\frac{1}{4}$ " thick. **39¢**

**C14964**—Each... **39¢**

## High Volt. Plugs & Jacks



Heavy duty type, in medium and giant sizes. Handle 1000 volts at 10 amps. For use with high R.F. currents, diathermy work, x-ray tubes, etc. Insulated threaded heads and handles. Hardware furnished with jacks. Medium jacks for panels up to  $\frac{3}{16}$ " thick; giant jacks for panels up to  $\frac{3}{4}$ " thick.

**Medium Plugs**— $2\frac{1}{2}$ " x  $3\frac{3}{8}$ "  
**C12870**—Black & Red... **32¢** ea.  
**C12871**—Black

**Medium Jacks**— $2\frac{1}{2}$ "  
**C12872**—Black & Red... **56¢** ea.  
**C12873**—Black

**Giant Plugs**— $2\frac{1}{2}$ " x  $3\frac{3}{8}$ "  
**C12785**—Black & Red... **44¢** ea.  
**C12786**—Black

**Giant Jacks**— $2\frac{1}{2}$ " x  $3\frac{3}{8}$ "  
**C12787**—Black & Red... **68¢** ea.  
**C12788**—Black

## Signal Corps Jacks

Single open circuit jack. Equivalent of Signal Corps Jack JK-34A. Mechanically perfect. Cannot pass official requirements, because of slight imperfection in finish.

**C6340**—Your Cost... **24¢**

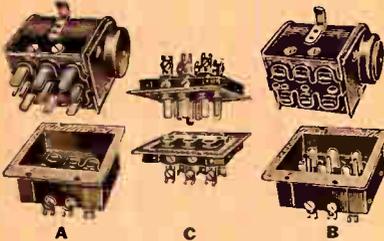
Microphone Jack. Equivalent of Signal Corps Jack JK33A.  
**C6341**—Your Cost... **29¢**

### NOTE

Space does not permit a complete listing of all available plugs and connectors. Write us regarding your requirements for any special plugs or connectors not listed in this catalog.

For Terminal Strips see Pg. 55.

## JONES "500" Series Plugs & Jacks



Designed for 5000 volts and 25 amps. per contact. Contacts are brass and phosphor bronze, silver plated. Long leakage path from terminal to terminal, and terminal to ground. All sizes are polarized so that it is impossible to insert one size plug in another size socket.

Metal parts of caps and brackets are steel, parkerized (rust-proofed). Plug and socket blocks are interchangeable in caps and brackets. Deep brackets should always be used when one plug or socket has a cap; shallow bracket types should be used in pairs, both plug and socket.

### "500" Series Plugs

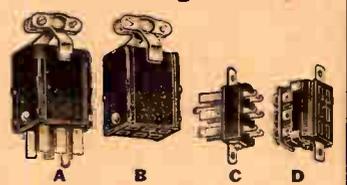
Con- tacts	With Cap (A)		Deep Bracket (B)		Shallow Bracket (C)	
	Stock No.	Your Cost	Stock No.	Your Cost	Stock No.	Your Cost
2	C12730	\$1.18	C12736	\$1.03	C12742	\$1.03
4	C12731	1.68	C12737	1.47	C12743	1.47
6	C12732	2.18	C12738	1.91	C12744	1.91
8	C12733	2.68	C12739	2.35	C12745	2.35
10	C12734	3.18	C12740	2.79	C12746	2.79
12	C12735	3.67	C12741	3.23	C12747	3.23

### "500" Series Sockets

Con- tacts	With Cap (B)		Deep Bracket (A)		Shallow Bracket (C)	
	Stock No.	Your Cost	Stock No.	Your Cost	Stock No.	Your Cost
2	C12712	\$1.18	C12718	\$1.03	C12728	\$1.03
4	C12713	1.68	C12719	1.47	C12729	1.47
6	C12714	2.18	C12721	1.91	C12789	1.91
8	C12715	2.68	C12722	2.35	C12790	2.35
10	C12716	3.18	C12723	2.79	C12791	2.79
12	C12717	3.67	C12724	3.23	C12792	3.23

## Jones "300" & "400" Series Plugs & Sockets

Multiple contact plugs and sockets in both "400" series heavy duty (25 ampere) and "300" series standard duty (5 ampere) sizes. Cable type plugs and sockets have cable clamps. Chassis type have brackets—heavy duty type at ends—standard duty type at sides.



### TYPE A PLUGS

Standard Duty	Heavy Duty
Stock No.	Stock No.
C12460 22c 2	C12400 42c
C12461 25c 4	C12401 51c
C12462 29c 6	C12402 60c
C12463 32c 8	C12403 69c
C12464 36c 10	C12404 78c
C12465 40c 12	C12405 87c

### TYPE B SOCKETS

Standard Duty	Heavy Duty
Stock No.	Stock No.
C12466 22c 2	C12412 45c
C12467 26c 4	C12413 57c
C12468 31c 6	C12414 69c
C12469 35c 8	C12415 81c
C12470 40c 10	C12416 93c
C12471 45c 12	C12417 105c

### Chassis Type Plug (C)

C12472 10c 2	C12426 27c
C12473 13c 4	C12427 33c
C12474 16c 6	C12428 39c
C12475 19c 8	C12429 45c
C12476 22c 10	C12430 51c
C12477 25c 12	C12431 57c

### Chassis Type Socket (D)

C12478 10c 2	C12406 30c
C12479 14c 4	C12407 39c
C12480 18c 6	C12408 48c
C12481 22c 8	C12409 57c
C12482 26c 10	C12410 66c
C12483 31c 12	C12411 75c

## Locks for "500" Series Jones Plugs and Jacks

For use in connection with any Deep Bracket and cap combination. The locks hold the units securely together, and can be released instantly. Mounting plates fit all Deep Brackets; fastened by same screws that hold deep brackets to panel. Pairs only.

**C12793**—Per Pair... **44¢**





# ALL-PURPOSE SOCKETS

## AMPHENOL "MIP" "World's Strongest Socket"



Molded from high-dielectric black bakelite, with molded-in plate for 1 1/2" mounting centers. Cannot come loose or rattle. Strong, dependable.

Stock No.	Prongs	Your Cost, Ea.
C13164	4	<b>6¢</b>
C13165	5	
C13166	6	
C13167	7, small	<b>7¢</b>
C13168	7, large	
C13169	8, octal	
C13223	9	9c
C13224	11	12c

**Midget "MIP" Octal**  
Smaller, more compact than above. Has 1 5/8" mtg. centers. Octal, 8 prongs, only. **7¢**

**C13225—Your Cost Each... 7¢**

**C13243—"MIP" Loktal Type.**  
Your Cost, Each... **10¢**

## C-R Tube Socket



Magnol type C-R socket with 11 silver-plated contacts. Substantial barriers between each contact increase the leakage path resulting in less loss, thus reducing possible voltage breakdown. Complete with retainer ring for direct chassis mounting. **59¢**

Your Cost, Each... **59¢**

## "CIR" Isolantite Sockets With Locking Ring



Low loss isolantite sockets can be locked in metal flange. Ideal for high frequency receivers and x'mitters.

No.	Prongs	No.	Prongs
C14534	4	C14537	7 small
C14535	5	C14538	7 large
C14536	6	C14539	8 octal

Any Type, Your Cost... **27c**

## HAMMARLUND Isolantite Sockets

Ideal lo-loss sockets for improved high freq. reception. Glazed tops, sides; underneath "Ceresin" treated. Subpanel or base mounting. "Guide groove." 2 1/4 x 1 3/8". 1 1/2" mounting centers.

No.	Pr.	Ea.	No.	Pr.	Ea.
C8496	4	36c	C8499	7L	45c
C8497	5	39c	C8530	7S	45c
C8498	6	42c			

C8532—8-Prong Octal... **48c**



## MILLEN Sockets

Much higher Steatite body used to provide increased insulation. Barriers separate all contacts, permitting use of higher than ordinarily used voltages.

Stk. No.	Mfrs.	No.	Prongs	Each
C8045	33004	4		
C8046	33005	5		
C8047	33006	6		
C8049	33008	Octal		

**24¢**



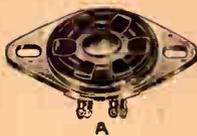
## MILLEN 807 Tube Clamp

Holds tube to chassis in portable mobile rigs, etc. **30¢**

C7998—**30¢**  
Each



## AMPHENOL Standard Tube Sockets



Type "A" is designed for general replacement work and has a steel adapter plate to fit mounting centers from 1 1/2" to 1 7/8". Type "B" is for new work and requires only a single 1 1/2" hole, being held in place with a retainer ring, unusually easy to mount. Both types available in Bakelite. 9 and Amphphenol connectors. 7C sockets fit small



11 prong sockets are for and large base tubes.

No. Prongs	Bakelite "A" Stock No.	Each	Bakelite "B" Stock No.	Each
4	C13057	7c	C13207	6 1/2c
5	C13058	7c	C13208	6 1/2c
6	C13059	7c	C13209	6 1/2c
7S	C13061	7c	C13210	6 1/2c
7L	C13060	7c	C13211	6 1/2c
7C	C13056	9c	C13237	8c
8	C13050	9c	C13212	8c
9	C13041	11c	C13213	10c
11	C13042	15c	C13214	14c

## Amphenol Miniature Tube Sockets

For the New RCA, Hytron, Raytheon and Cetron Baby Tubes



For the new miniature tubes of all makes for use in hearing aids, pocket radios, remote controls, measuring devices, etc. All mounting holes 5/8" except Raytheon (3/4"). Correct retainer ring supplied with socket.

### For RCA Tubes

Designed for 1S4, 1S5, 1T4 and 1R5, Etc.

C13173—Black Bakelite... **10c**  
C13172—As above, but of molded polystyrene for UHF work. **21c**  
Each

### For Raytheon Tubes

For CK501, CK502, CK503, CK504, CK505.  
C11598—Black Bakelite. **10c**  
Each

### For Photo Cells

To fit RCA Pee-Wee and Cetron CE-5BB, CE-20 photo-cells.  
C11599—Black Bakelite. Ea. **8c**

## X'Mtg. Special Purpose Sockets

### Ceramic Sockets

Low loss. Top and sides glazed. Reinforced springs. 2 1/4" long, 1 1/2" wide. Centers 1 1/2".

No.	Prongs	Each	10 For
C13064	4	38c	53.40
C13065	5	38c	3.40
C13066	6	41c	3.69
C13067	7s	41c	3.69
C13068	8 octal	50c	4.50



### ICA Low Loss Sockets

Base Mounting Unaffected by weather conditions. Efficient sockets that cut losses to an absolute minimum. Excellent for transmitters and high frequency gear.

No.	Prongs	Each
C12636	4	53c
C12637	5	53c
C12638	6	59c
C12643	7 L & S	59c
C12644	8-octal	59c



### Crystal Sockets

Easy to mount below or above chassis surface. Available in Polystyrene or Steatite both providing exceptionally low losses. Solder lug terminals.

No.	Make	Insulation	Each
C8050	Millen	Steatite	25¢
C8062	Amphenol	Polystyrene	18¢



## AM-PHENOL Steatite Low-Loss Sockets



Meets government specifications. Withstands higher temperatures, does not absorb moisture. Contacts are phosphor bronze, then silver-plated for low resistance connections with the tube prongs. Excellent for transmitters, high power amplifiers, etc.

Prongs	Stock No.	Each
4	C13194	24c
5	C13195	24c
6	C13196	24c
7S	C13197	24c
7L	C13198	29c
8	C13199	24c

## Polystyrene Ultra Lo-Loss Socket



Molded polystyrene base. Fine for U.H.F. work. 8 prongs. Caution: Solder fast! Do not heat beyond 200° F. 1 1/8" hole—1 1/2" centers.

C13170—Octal Each... **24¢**  
C13160—Loktal **26¢**  
Your Cost Each

## Acorn Clips and Sockets

**Acorn Socket**—Made of genuine Mycalex, 1 1/4" square for 954 and 955 type tubes. Rugged spring contacts assure perfect connections.

C13171 **59¢**  
Your Cost

C13155—Special grid clip for 1851 tube. Each... **3c**

C13156—Socket and mount for 922, 921 tubes. **59¢**  
Your Cost



## AMPHENOL Above Chassis Sockets



Chassis type bakelite socket, in metal shell, above sub-panel. Has 4 knockouts for leads, plus

flange for mounting. Ideal for mounting on work benches, breadboard radios, etc.

No. Prongs	No. Prongs
C13100 4	C13103 7 S
C13101 5	C13104 7 L
C13102 6	

Any Type Above, Your Cost Each... **12 1/2¢**

C13105—7 L & S. C13106—8 Oct. Either Type Above, Your Cost Each... **14¢**

## Loktal Sockets Replacement type.



With adapter plate for 1 1/2" to 1 7/8" mtg. centers or ring type without plate for 1 3/4" hole. Bakelite. **11¢**

C13040—With Plate. Ea. **11¢**  
C13045—With Ring only. Ea. **10c**

## Ceramic Octal Socket



A low loss socket. 1 1/2" mounting centers. Firm gripping positive contacts. Sturdily constructed. Special Value. **14¢**

C13108—Your Cost Ea. **14¢**

## Steatite Wafer Socket



Excellent for use at high and ultra-high frequencies. Contacts are reinforced with cadmium-plated steel springs, recessed in a form to prevent movement. Can be mounted on a metal panel without shorting. 7 prongs. For the 829 and 832 tubes. **95¢**

C13187—Your Cost... **95¢**

## JOHNSON No. 267 Miniature Socket



Designed for use with the 9000 series and Miniature Iseries tubes, including 1S4, 1S5, 1T4, etc. Contacts are phosphor bronze, heavily silver plated and are self-aligning. So designed as to permit a minimum amount of capacity between contacts, a center shield for grounding and exceptionally low-loss construction. **29¢**

C13186—**29¢**  
Your Cost

## JOHNSON Sockets



Low absorption porcelain material base. Heavy phosphor bronze contacts, cadmium-plated, with double filament springs. Heavy nicked-UX shells. **50¢**

C14160—UX base. Ea. **50¢**  
C14161—50 Watt base. **73¢**  
Your Cost

C14157—Giant 5-prong socket, for RCA 803, RK 28, etc. **51.47**  
Your Cost

# RADIO ESSENTIALS

## MUELLER Clips and Plastic Insulators



Spring actuated clips for lab., test and battery uses. Type 27 and 27C are laboratory types with mesh teeth on three sides, others have teeth in front only. New Plastic Insulators cover entire clip as shown. Listing below shows insulators opposite proper size clip. All packed 10 to a box; clips are marked + and - (5 each), insulators 5 red and 5 black.

CLIPS					INSULATORS				
No.	Type	Size	Each	10 For	No.	Type	Each	10 For	
C16029*	45	1 1/2"	4c	\$5.32	C16031	47	8c	\$5.55	
C16030†	45C	1 1/2"	6c	.54	C16031	47	8c	.55	
C16032*	48B	2"	4c	.34	C16033	49	9c	.59	
C16034†	24A	3"	8c	.68	C16035	26	19c	1.27	
C16026*	27	2 1/2"	8c	.68	C16028	29	12c	.82	
C16027†	27C	2 1/2"	13c	1.17	C16028	29	12c	.82	
C16018†	21A	4"	13c	1.17	C16019	23	33c	2.25	

\*Cadmium plated steel. †Lead coated steel. ‡Solid copper.

### No. 85T Mueller Crocodile Tip Clip

For connecting Bridges, Voltmeters, etc., or anything having binding posts with non-removable heads. Fine for test prods.

C16023—Your Cost Each.....

No. 85. As above, less phone tip.

C16020—Your Cost Each.....

Plastic insulator for either of the above No. 87

C16021—Your Cost Each.....



13¢ 10 For 94c  
5¢ 10 For 44c  
6¢ 10 For 36c

### MUELLER Wee-Pee-Wee Clip

Non-Ferrous R.F. Clip. Will not heat in high frequency circuits. Ideal for tapping coils. Length 1 1/4". Completely insulated with Red or Black jacket (specify color desired. No. 88-93).

C16022—Your Cost Each.....



14¢ 10 For \$1.21

### FAHNESTOCK Clips



Type A, Screw Mount, Double

Clip.

Type C, Screw Mount, Single

Clip.

Stock No.	Type	Lgth. Ins.	Per Doz.	50 For
C14823	C	3/4"	9c	33c
C14824	C	1"	10c	38c
C14825	A	1 1/2"	29c	\$1.10
C14826	A	1 3/4"	30c	\$1.15

### Battery Clips

Good quality spring clip. Heavily plated steel body. Strong spring.



C16060	1 1/4" long.	3¢
C16061	2" long.	5¢
Either type—10 for 25c.		
C16062	2 1/2" long.	5¢
C16063	3" long.	6¢
C16063	3 1/2" long.	6¢
10 For 55c. Each.....		

### Steel Screws & Washers

10, 32 oval head screws. The cup washer, also 10/32 is designed to match the screw head in appearance.

Stock No.	Length	12 For
C14775	1/2"	5c
C14776	1"	7c
C14777	Cup washer	6¢
Your Cost for 12.....		
C14803	10/32 x 3/8 nuts for above screws.	10¢
Envelope of 20..... 45c		
Per 100.....		

### Threaded Rods

Ideal threaded rod for making your own long screws. Easily cut to any length. In 12" lengths.

C14913	6-32 size. Fer Lgth.	12c
C14914	8-32 size. Per Lgth.	12c
C14918	10-32 size. Per Lgth.	14c

### Angle Brackets With Tapped Holes

Heavy gauge steel. One 3/16" tapped hole, one 1/8" plain hole.

Stock No.	Size	10 For	Each
C14909	1/2 x 1/2"	20c	2 1/2c
C14910	3/8 x 3/8"	25c	3c
C14911	1/2 x 3/4"	32c	3 1/2c

### BELDEN Terminal Assortment



Contains 100 most popular solder terminals. For all servicing and set building requirements. In transparent container.

C14790—Your Cost..... 38¢

### Split Lock Washers

C14791—For No. 6 screws  
C14792—For No. 8 screws  
C14793—For No. 10 screws

Your Cost For 25..... 7¢

### Cable Clamp

For cables up to 1 1/2" diameter. Can also be used to dress up equipment. Use it to clamp condensers to chassis, etc. 1/2" wide with hole for No. 6 or No. 8 screw.

C14948—Package of 10..... 10¢  
Package of 100..... 89c  
Cable clamp similar to above. No. 6 mtg. hole. Plated.

C14951—1/2" cable..... 4 for 3c  
C14952—3/4" cable..... 3 for 5c

### JOHNSON Spring Clip

For inductor coils of all kinds. Will take wire from #20 to #12 gauge. Lock screw adjustment.

C16749—Each..... 6¢

### Brass Terminals

Made of 1/8" brass. 1" high, 1/2" offset. Hole takes No. 10 screw. Carries 10 amps. Tinned.

C14778—10 For..... 5¢

C14955—Per 10..... 5¢  
Your Cost Per 100..... 26c

### Jacket Type Tube Shields

Will form-fit all glass tubes. Bodies consist of two halves snugly held to the tube by a spring ring. Supplied complete with ground clip to be held by socket mounting bolt against shield.

C13258—For ST-14 tubes with or without cap such as 24A, O1A, 26, etc.  
C13262—For ST-12 tubes without grid caps such as 27, 56, 41, 114G.  
C13264—For ST-12 tubes with grid cap such as 6C6, 57, 58, 75, 6A7, 6J7G, etc.

Any Type Above, Each..... 6¢  
10 For..... 54c 100 For..... \$5.25

### Bantam Tube Shields

Designed especially for the new 1.5 volt and bantam "GT" tubes or other "T-9" bulbs. Available with and without grid-cap, as described below.

C13259—Plain shield, without cap. One-piece, grounds automatically. 10 For..... 24c  
Your Cost Each..... 3¢

C13260—Same as above, but with short cap and ground clip. For tubes without top grid cap. Type A. 10 For..... 35c  
Your Cost Each..... 4¢

C13261—Type B. With grid-lead cap and ground clip. 10 For..... 45c  
Your Cost Each..... 5¢

### Snap Fastener Battery Terminals

Same as used for Ever-ready types 430, 435, 455, 467; Burgess type XX-45 midget batteries.

C11732—Set of 2 (1 male, 1 female). 10 sets for 25c  
Your Cost..... 3¢

### Scotch Tape

For insulating or binding radio parts. Hi-adhesive quality. Very flexible, easy to remove. 3/8 inch wide. 360 inches in roll.

C15039—Your Cost..... 25¢

### Metal & Glass Tube Cap

Fits either type. With 11" lead and pin-tip. In red or black. Specify color with order.

C11728—Your Cost Ea..... 24¢

### Rubber Insulated Clip

Soft rubber outer covering. Each with approx. 12" lead.

No. Type Each  
C11620 For 866, etc. 15c  
C11621—Glass tubes. 9c  
C11622—Metal tubes. 9c

### MILLEN Grid Cap

Isolantite covered grid cap, for transmitting tubes. Type 866 etc.

C8055—Type 36001  
Your Cost Each..... 21¢

### Screen Grid Clips

Miniature Clips for Metal Tubes. With wire ferrule.  
C14985—Per Doz. 14c  
Your Cost Ea..... 2¢  
For Glass Tubes  
For Standard Glass Tubes.  
C14827—12 For 100 For  
Each..... 2¢ 14c 99c

### "Form-Fit" Shields

Smooth, seamless drawn walls assure a snug, positive fit on the tube. Vertical grooves provide flexible fit, and the shield automatically grounds to the tube base on metal based tubes.

For GT tubes: 1.218" base.  
C13256—Open top.  
C13257—Closed top.  
For GT/G tubes: 1.165" base.  
C13246—Open top.  
C13247—Closed top.  
For Loktal Tubes:  
C13247—Closed top.  
Each, Any Type Above..... 3¢  
10 For..... 25c

### Metal Tube Grip Cap Shields

For use with screen grid metal tubes.  
C13217—Ea..... 9¢  
10 For..... 80c

### 4-Prong Tube Bases

The old standby for winding short-wave coils. Can also be used as a cable connector. 1 1/4" outside diameter, 3/8" winding space.

C9987—Your Cost Each..... 4¢  
10 for..... 35c

### Friction Tape

Highest quality. Ideal for servicemen, mechanics and electricians. Packed in individual boxes. Handy rolls.

C14829—2 Oz. Each..... 9c  
C14842—4 Oz. Each..... 15c  
C14843—8 Oz. Each..... 25c

### Rub-R-Shim

Strips of shock proof live sponge rubber. One side adhesive coated. 10-ft. rolls.

No. W.xT. Each 10 For  
C14861 3/8 x 1/2" 26c \$2.35  
C14862 3/8 x 3/4" 30c 2.70  
C14863 3/4 x 3/4" 40c 3.60

### NATIONAL Grid Clips

Type A. Easily removed. Tinned grip end for soldering.

No. Type Tubes Dia. Each  
C14434 Stand. Glass 3/8" 3c  
C14565 Metal (octal) 3/8" 3c  
C14441 X'mitting\* 3/8" 6c  
\*—866, T20, 809, 812, etc.

Type B. Safety Grip of molded low-loss R39. 3/8" dia. For 866, T20, 809, etc.  
C14597—Each..... 24¢

Like above, but ceramic. 24¢  
C14598—Each..... 24¢

As above, but ceramic and 3/8" diameter.  
C14599—Each..... 21¢

### Heat Radiating Grid and Plate Caps

Use at terminals of x'mitting tubes. Protects glass.

C14377—For HK-24  
C14378—For 35-T, HK-54..... 29¢ ea.  
C14381—For 100-T, 807..... 44¢ ea.  
C14388—For 866, T-125..... 44¢ ea.



# Quality RADIO HARDWARE



## High Quality Machine Screws

6-32 Round Head Screws			
Stock No.	Length	Doz.	Gross
C14750	3/8"	3c	20c
C14751	1/2"	3c	23c
C14752	5/8"	3c	27c
C14753	1"	4c	29c
C14754	1 1/4"	4c	34c
8-32 Round Head Screws			
C14755	1/2"	4c	32c
C14756	5/8"	4c	37c
6-32 Flat Head Machine Screws			
C14760	3/8"	3c	20c
C14761	1/2"	3c	23c
C14762	5/8"	3c	27c
C14763	1"	4c	29c
C14764	1 1/4"	4c	34c

### Ornamental Top Antique Finished Machine Screws

No.	Size	Lgth.	Doz.	100 Lots
C14680	6-32	3/8"	9c	60c
C14681	6-32	1/2"	10c	65c
C14682	6-32	1 1/4"	11c	75c

### Round Head Wood Screws

Stock No.	Size	Length	Doz.	Gr.
C14780	4	3/8"	4c	40c
C14781	5	1/2"	5c	50c
C14782	5	3/4"	6c	60c
C14783	5	1"	8c	80c

### Locking Washers

C14758—To pass No. 6 screw.  
C14759—To pass No. 8 screw.

Either Type. Envelopes of 25. **6¢**  
100 For.....20c

### 160 Piece Set Builder's Hardware Assortment

Contains: 20 each 6-32x3/8", 6-32x1/2", 10 6-32x1" screws; 506-32 nuts, 10 lugs, 50 lock washers.

C14830—Per Kit.....**35¢**

### Soldering Lugs

					Per Thousand \$2.20
1	2	3	4	5	

C14812—No. 1, 1/4"x6-32	C14813—No. 2, 1/2"x8-32
C14814—No. 3, solderless type.	
C14816—No. 4, 5/8" long.	
C14818—No. 5, 3/4" long.	
Your Cost per 100, <b>24¢</b>	
Any Type Lug.....	

### Tapered Lugs

Fits over all screws up to No. 10; shank fits banana plugs. 1 1/4" long, 1/2" wide. Cut for easy soldering.

C12954—Per Dozen.....**44¢**

### Heavy Duty Spade Lugs

For battery terminals, etc. 1" long. No. 10 slot. 100 For 69c.

C14912—Your Cost per 10.....**8¢**

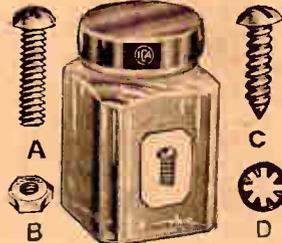
### Right Angle Brackets

Made of heavy metal strip; width is 3/8". Very sturdy.

Stock No.	Size	Ea.	For 10
C14895	1/2"x1/2"	1c	8c
C14896	5/8"x3/8"	1 1/2c	13c
C14897	1"x1"	2c	17c
C14898	1 1/2"x1 1/2"	2 1/2c	22c
C14899	1 3/4"x1 3/4"	3c	28c

## SERVICE SHOP ESSENTIALS

### RADIO HARDWARE IN JARS



The most convenient, neatest way to keep your small hardware—in glass jars with screw-on caps.

Your Cost, **35¢**  
Any Jar.....  
5 Jars for.....\$1.65  
C14675—Jar only.....6c

### P-K Tap Screws (C)

No.	Quantity	Size
C14665	50	No. 4x 1/4"
C14666	50	No. 6x 1/4"
C14667	45	No. 6x 3/8"
C14668	40	No. 7x 3/8"
C14669	35	No. 10x 3/8"
C14670	45	No. 10x 3/8"

### Hexagon Nuts (B)

No.	Quantity	Size
C14661	110	4-36x 1/4"
C14662	110	6-32x 1/4"
C14663	90	6-32x 5/16"
C14664	90	8-32x 5/16"

### Washers (D)

Stock No.	Quantity	Size
C14671	150	No. 6 Plain
C14672	150	No. 8 Plain
C14673	100	No. 6 Shakeproof
C14674	100	No. 8 Shakeproof

### Round Head Machine Screws (A)

No.	Quantity	Size
C14650	100	4-36x 1/4" long
C14651	100	4-36x 3/8" long
C14652	75	4-36x 1/2" long
C14653	90	6-32x 1/4" long
C14654	80	6-32x 3/8" long
C14655	70	6-32x 1/2" long
C14656	75	8-32x 3/8" long
C14657	70	8-32x 1/2" long
C14658	65	8-32x 3/4" long
C14659	60	10-32x 1/2" long
C14660	50	10-32x 3/4" long

### Hardware Assortment

Over 1000 pieces of hardware items. Contains Rivets, set screws, eyelets machine screws, lugs, etc. Packed in convenient metal box, 3 1/2"x3 1/2"x2 1/2". Weighs over 2 lbs. A bargain assortment unequalled anywhere. Don't delay! Order Now! Shpg. wt. 3 lbs.

C14833—Your Cost Only.....**79¢**



### DeLuxe Hardware Assortment

Our most popular hardware assortment conveniently boxed. Contains over 1000 pieces of the most frequently used hardware, including assorted machine screws—woodscrews—nuts—bolts—rivets—eyelets—lugs—lock washers—fiber washers—rubber grommets, etc. Finest quality hardware. Shpg. wt. 4 lbs.

C14831—Your Cost, per Box.....**\$1.34**

### Escutcheon Pins

Antique finish—5/8" long. For fastening all types of escutcheons or nameplates.

C14811—Per 100 Your Cost.....**14¢**

### Knob Set Screws

These headless set screws are case hardened. For radio knobs, couplings, etc.

C14786—1/4"x6-32	C14787—1/2"x8-32
C14788—1/4"x6-32	C14789—1/2"x8-32
Any Size Above, 10 For..... <b>15¢</b>	
50 For.....65c	

### Escutcheon Screws

Round head, antique finish, 5/8" long. Fits any type escutcheon.

C14934—No. 2 size Per Gross.....**29¢**

### 1/4" Metal Spacers

For raising components above chassis or away from panel. All pass, Nos. 4, 6 and 8 screws.

Stock No.	Height	For	Lots of
	Inches	Ten	100
C9868	1/8"	21c	51.89
C9869	3/16"	25c	2.30
C9870	1/4"	29c	2.70
C9871	1/2"	33c	3.10

### Rubber Grommet Kits

Available in two assortments—kit "A" contains 12 assorted grommets in 4 sizes—3/8" to 1 1/2" to 1 3/4".

1/4" Kit "B" contains 30 assorted grommets in 4 standard sizes—1/2" to 1 1/2".

C14794—Assort. "A" Your Cost.....**15¢**  
C14795—Assort. "B" Your Cost.....**27¢**

### Assorted Fibre Washers

Contains 100 plain and shoulder type to fit Nos. 6, 8 and 10 screws, as well as 1/4", 3/8" and 1/2" holes.

C14832—Shpg. wt. 8 oz. Your Cost Per Box.....**32¢**

### Self-Tapping Screw Assortment

Forty of the most commonly used sizes in modern receivers. Use no nuts, merely start hole and drive through. Used in many standard receivers.

C14687—Box of 40. Your Cost.....**27¢**

## Hex Nuts, Knurled Nuts, Washers, Popular Sizes

C14804—6-32x 1/4" hex. nuts	Envelope of 20; Net.....	<b>5¢</b>
	Per 100.....	19c
C14805—8-32x 1/4" hex. nuts	Envelope of 20; Net.....	<b>5¢</b>
	Per 100.....	20c
C14806—6-32x 3/8" hex. nuts	Envelope of 15; Net.....	<b>5¢</b>
	Per 100.....	25c
C14807—8-32x 3/8" hex. nuts	Envelope of 15; Net.....	<b>5¢</b>
	Per 100.....	25c
C14803—10-32x 3/8" hex. nuts	Envelope of 20; Net.....	<b>10¢</b>
	Per 100.....	45c
C14808—6-32x 1/2" knurled nuts	Env. of 6; Net.....	<b>10¢</b>
	Per 100.....	\$1.35
C14809—No. 6 washers.		
C14810—No. 8 washers.		
Either } Env. of 25; Net.....	<b>5¢</b>	
Above } Per 100.....	19c	

### Insulating Washers

Of fibre. Used for metal panel and chassis mounting of parts.

### Shoulder Type

Stock No.	O.D.	I.D.	Per 10	Per 100
C15020	1"	3/8"	8c	72c
C15021	1 1/4"	3/8"	7c	62c
C15022	1 1/2"	3/8"	6c	52c
C15023	1 3/4"	3/8"	6c	52c
C15025	1 3/4"	1/2"	6c	52c
C15026	1 3/4"	1/2"	5c	45c

### Flat Washers

C15030	1"	3/8"	7c	62c
C15031	1 1/4"	3/8"	7c	62c
C15032	1 1/2"	3/8"	5c	45c
C15036	1 1/2"	1/2"	5c	45c
C15037	1 3/4"	1/2"	5c	45c

### Rubber Grommets

Insulate holes in 1/8" metal panels, chassis, electrical appliances, etc.

Stock No.	Fits Hole	Inside Diam.	Per Doz.	Per 100
C14765	1/8"	3/8"	9c	60c
C14766	1/4"	5/8"	16c	65c
C14768	3/8"	1"	21c	70c
C14769	1/2"	1 1/8"	22c	75c

### Colored Grommets

Hard insulating composition; with knurled nut; in red or black. For instruments, etc.

Red Black Hole	Diam. L.	Per Doz.	Per 100
C14688 C14689	1/8" 3/8"	9c	60c
Your Cost Per Doz. <b>91¢</b>			
Either Color		Per Doz.	Per 100
C14690 C14691	3/8" 7/8"	7c	82c
Your Cost Per Doz. <b>97¢</b>			
Either Color		Per Doz.	Per 100
C14652 C14693	1/2" 3/4"	7c	72c
C14694 C14695	3/4" 1 1/4"	7c	72c
Your Cost Per Doz. <b>\$1.16</b>			
Either Size.....			

### Wing Nuts

Sturdy, well made. Have numerous uses.

Stock No.	Thread	Per 10
C12926	6-32	
C12927	8-32	
C12928	10-32	
C12929	1/4-20	
Per 100 (assorted).....		<b>\$2.97</b>

### Bumper Feet

These felt feet have a standard 6-P.K. screw inserted in the metal part that holds the felt in place. Width 3/4" overall.

C14757—Your Cost Each **2¢**

10 For.....	19c
50 For.....	89c
100 For.....	\$1.60

# BINDING POSTS PLUGS JACKS CLIPS

## EBY Binding Posts Non-Removable Tops



Specially designed for use on metal chassis. Post has hole for wire or phone tip.  
**C13082—Junior Post** Has 6-32 stud,  $\frac{3}{8}$ " long.

**Your Cost** ..... **13¢**

**C13083—Ensign Post** Has 6-32 stud,  $\frac{5}{8}$ " long.

**Your Cost Each** ..... **15¢**

**C13084—Commander Post** Has 8-32 stud,  $\frac{7}{8}$ " long.

**Your Cost Each** ..... **24¢**

## EBY Twin Post Units

Two posts molded into a Bakelite base.

**C13062—Your Cost** ..... **38¢**

As above, but with three posts.  
**C13063—Your Cost** ..... **59¢**

## Insulated Posts

Red or black composition top. Plated ferrule. Specify color. 10 for 95¢

**C13163—Your Cost** ..... **11¢**

## Binding Post With Banana Jack Top

Hole in top makes banana plug. Hole in stem for wire. In red or black. Specify color when ordering.  
**C12945—12 For \$1.50**  
**Your Cost** ..... **14¢**

## Spring Clamp Binding Posts

Insulated top. Spring clamp holds wire. Overall length 1".  
**C13046—Your Cost** ..... **6¢**

## Spring Clamp Binding Post Assembly

Mounted on Bakelite strip 2" long,  $\frac{11}{16}$ " wide. Centers  $1\frac{1}{4}$ ". Marked "Ant" and "Gnd."  
 10 for \$1.35  
**C13049—Your Cost** ..... **15¢**

## Alligator Clips

Powerful grip. Ends take banana plugs.  
 2" clip is  $\frac{1}{2}$ " wide, 2 $\frac{3}{4}$ " clip is  $\frac{5}{16}$ " wide. Steel non-rusting finish.

No. Length Each 10 For  
**C12955** 2" 4c 36c  
**C12956** 2 $\frac{3}{4}$ " 6c 52c

**Copper**—with bronze spring. For RF work. Has set screw.

No. Length Each 10 For  
**C12947** 2" 8c 68c

## Insulated Alligator Clips

Plated metal grips with insulated handles that take banana plugs. Handles in red or black; specify. Steel non-rusting finish.

No. Length Each 10 For  
**C12911** 2 $\frac{1}{2}$ " 12c \$1.08  
**C12909** 3 $\frac{1}{2}$ " 13c 1.17  
**C12949\*** 2 $\frac{1}{2}$ " 13c 1.17

\*Copper—with bronze spring.

## Alligator Phone Tip Jack

Alligator clip fitted with standard phone tip jack. Fits test prods equipped with phone tip ends.

Red or black—specify color.  
**C12880—10 For \$2.05**  
**Your Cost Each** ..... **23¢**

## Test Prods



High grade insulated prods, available with three different types of tips. **Type A** is standard solderless phone tip with knurled collar. **Type B** has chuck and nut to hold plain phone needle; **Type C** has banana plug to fit standard banana jack. Red or Black—specify color.

**SOLDERLESS PROD (A)**

No. Length Each  
**C12881** 5 $\frac{1}{2}$ " 29c  
**C12884** 6 $\frac{3}{8}$ " 35c

**PHONO NEEDLE TIP (B)**

**C12868** 4 $\frac{3}{8}$ " 29c  
**C12869** 5 $\frac{1}{2}$ " 35c

**BANANA PLUG TIP (C)**

**C12912** 2 $\frac{1}{2}$ " 26c  
**C12910** 3 $\frac{3}{8}$ " 35c

## Phono Needle Plug

Constructed so that the insulated sleeve will take a banana plug, and the prod itself will make positive contact with the banana plug.

Tip holds phono needle (needles easily replaceable). Overall length 1 $\frac{1}{2}$ ". Red or black; specify color.

10 For 90¢  
**C12917—Each** ..... **10¢**

## Beryllium Banana Plugs

Signal Corps approved. Used on all government equipment. Made of Beryllium copper. Rivet shank of plug can be turned over without splitting. Shank  $\frac{1}{4}$ " long,  $\frac{1}{8}$ " diam.

**C13183—Overall size 1 $\frac{1}{2}$ ". Same as above but with  $\frac{3}{32}$ " threaded stud  $\frac{3}{8}$ " long.**  
**Your Cost Each** ..... **21¢**

**C13184—Overall size 1 $\frac{1}{2}$ ". Same as above but with  $\frac{3}{32}$ " threaded stud  $\frac{3}{8}$ " long.**  
**Your Cost Each** ..... **21¢**

**C13185—Overall size 1 $\frac{1}{2}$ ". Same as above but with  $\frac{3}{32}$ " threaded stud  $\frac{3}{8}$ " long.**  
**Your Cost Each** ..... **21¢**

**C13186—Overall size 1 $\frac{1}{2}$ ". Same as above but with  $\frac{3}{32}$ " threaded stud  $\frac{3}{8}$ " long.**  
**Your Cost Each** ..... **21¢**

**C13187—Overall size 1 $\frac{1}{2}$ ". Same as above but with  $\frac{3}{32}$ " threaded stud  $\frac{3}{8}$ " long.**  
**Your Cost Each** ..... **21¢**

**C13188—Overall size 1 $\frac{1}{2}$ ". Same as above but with  $\frac{3}{32}$ " threaded stud  $\frac{3}{8}$ " long.**  
**Your Cost Each** ..... **21¢**

**C13189—Overall size 1 $\frac{1}{2}$ ". Same as above but with  $\frac{3}{32}$ " threaded stud  $\frac{3}{8}$ " long.**  
**Your Cost Each** ..... **21¢**

**C13190—Overall size 1 $\frac{1}{2}$ ". Same as above but with  $\frac{3}{32}$ " threaded stud  $\frac{3}{8}$ " long.**  
**Your Cost Each** ..... **21¢**

**C13191—Overall size 1 $\frac{1}{2}$ ". Same as above but with  $\frac{3}{32}$ " threaded stud  $\frac{3}{8}$ " long.**  
**Your Cost Each** ..... **21¢**

**C13192—Overall size 1 $\frac{1}{2}$ ". Same as above but with  $\frac{3}{32}$ " threaded stud  $\frac{3}{8}$ " long.**  
**Your Cost Each** ..... **21¢**

**C13193—Overall size 1 $\frac{1}{2}$ ". Same as above but with  $\frac{3}{32}$ " threaded stud  $\frac{3}{8}$ " long.**  
**Your Cost Each** ..... **21¢**

**C13194—Overall size 1 $\frac{1}{2}$ ". Same as above but with  $\frac{3}{32}$ " threaded stud  $\frac{3}{8}$ " long.**  
**Your Cost Each** ..... **21¢**

**C13195—Overall size 1 $\frac{1}{2}$ ". Same as above but with  $\frac{3}{32}$ " threaded stud  $\frac{3}{8}$ " long.**  
**Your Cost Each** ..... **21¢**

**C13196—Overall size 1 $\frac{1}{2}$ ". Same as above but with  $\frac{3}{32}$ " threaded stud  $\frac{3}{8}$ " long.**  
**Your Cost Each** ..... **21¢**

**C13197—Overall size 1 $\frac{1}{2}$ ". Same as above but with  $\frac{3}{32}$ " threaded stud  $\frac{3}{8}$ " long.**  
**Your Cost Each** ..... **21¢**

**C13198—Overall size 1 $\frac{1}{2}$ ". Same as above but with  $\frac{3}{32}$ " threaded stud  $\frac{3}{8}$ " long.**  
**Your Cost Each** ..... **21¢**

**C13199—Overall size 1 $\frac{1}{2}$ ". Same as above but with  $\frac{3}{32}$ " threaded stud  $\frac{3}{8}$ " long.**  
**Your Cost Each** ..... **21¢**

**C13200—Overall size 1 $\frac{1}{2}$ ". Same as above but with  $\frac{3}{32}$ " threaded stud  $\frac{3}{8}$ " long.**  
**Your Cost Each** ..... **21¢**

**C13201—Overall size 1 $\frac{1}{2}$ ". Same as above but with  $\frac{3}{32}$ " threaded stud  $\frac{3}{8}$ " long.**  
**Your Cost Each** ..... **21¢**

**C13202—Overall size 1 $\frac{1}{2}$ ". Same as above but with  $\frac{3}{32}$ " threaded stud  $\frac{3}{8}$ " long.**  
**Your Cost Each** ..... **21¢**

**C13203—Overall size 1 $\frac{1}{2}$ ". Same as above but with  $\frac{3}{32}$ " threaded stud  $\frac{3}{8}$ " long.**  
**Your Cost Each** ..... **21¢**

**C13204—Overall size 1 $\frac{1}{2}$ ". Same as above but with  $\frac{3}{32}$ " threaded stud  $\frac{3}{8}$ " long.**  
**Your Cost Each** ..... **21¢**

**C13205—Overall size 1 $\frac{1}{2}$ ". Same as above but with  $\frac{3}{32}$ " threaded stud  $\frac{3}{8}$ " long.**  
**Your Cost Each** ..... **21¢**

**C13206—Overall size 1 $\frac{1}{2}$ ". Same as above but with  $\frac{3}{32}$ " threaded stud  $\frac{3}{8}$ " long.**  
**Your Cost Each** ..... **21¢**

**C13207—Overall size 1 $\frac{1}{2}$ ". Same as above but with  $\frac{3}{32}$ " threaded stud  $\frac{3}{8}$ " long.**  
**Your Cost Each** ..... **21¢**

**C13208—Overall size 1 $\frac{1}{2}$ ". Same as above but with  $\frac{3}{32}$ " threaded stud  $\frac{3}{8}$ " long.**  
**Your Cost Each** ..... **21¢**

**C13209—Overall size 1 $\frac{1}{2}$ ". Same as above but with  $\frac{3}{32}$ " threaded stud  $\frac{3}{8}$ " long.**  
**Your Cost Each** ..... **21¢**

**C13210—Overall size 1 $\frac{1}{2}$ ". Same as above but with  $\frac{3}{32}$ " threaded stud  $\frac{3}{8}$ " long.**  
**Your Cost Each** ..... **21¢**

## Standard Tip Plug

Fine Quality.  
**C14881—10 For** ..... **13¢**  
 Per 100 ..... \$1.17

## Solderless Insulated Phone Tip Plugs

Solderless type: fit all standard tip jacks. Used on test leads. In red or black; specify color.

**Ea.**  
**C12973—1 $\frac{1}{4}$ " long prod.** ..... **10¢**  
**C12974—1 $\frac{1}{2}$ " long.** ..... **10¢**

Per Dozen, Either Type... \$1.08

**C12975—1 $\frac{1}{4}$ " long prod.** ..... **10¢**  
**C12976—1 $\frac{1}{2}$ " long.** ..... **10¢**

Per Dozen, Either Type... \$1.08

**C12977—1 $\frac{1}{4}$ " long prod.** ..... **10¢**  
**C12978—1 $\frac{1}{2}$ " long.** ..... **10¢**

Per Dozen, Either Type... \$1.08

**C12979—1 $\frac{1}{4}$ " long prod.** ..... **10¢**  
**C12980—1 $\frac{1}{2}$ " long.** ..... **10¢**

Per Dozen, Either Type... \$1.08

**C12981—1 $\frac{1}{4}$ " long prod.** ..... **10¢**  
**C12982—1 $\frac{1}{2}$ " long.** ..... **10¢**

Per Dozen, Either Type... \$1.08

**C12983—1 $\frac{1}{4}$ " long prod.** ..... **10¢**  
**C12984—1 $\frac{1}{2}$ " long.** ..... **10¢**

Per Dozen, Either Type... \$1.08

**C12985—1 $\frac{1}{4}$ " long prod.** ..... **10¢**  
**C12986—1 $\frac{1}{2}$ " long.** ..... **10¢**

Per Dozen, Either Type... \$1.08

**C12987—1 $\frac{1}{4}$ " long prod.** ..... **10¢**  
**C12988—1 $\frac{1}{2}$ " long.** ..... **10¢**

Per Dozen, Either Type... \$1.08

**C12989—1 $\frac{1}{4}$ " long prod.** ..... **10¢**  
**C12990—1 $\frac{1}{2}$ " long.** ..... **10¢**

Per Dozen, Either Type... \$1.08

**C12991—1 $\frac{1}{4}$ " long prod.** ..... **10¢**  
**C12992—1 $\frac{1}{2}$ " long.** ..... **10¢**

Per Dozen, Either Type... \$1.08

**C12993—1 $\frac{1}{4}$ " long prod.** ..... **10¢**  
**C12994—1 $\frac{1}{2}$ " long.** ..... **10¢**

Per Dozen, Either Type... \$1.08

**C12995—1 $\frac{1}{4}$ " long prod.** ..... **10¢**  
**C12996—1 $\frac{1}{2}$ " long.** ..... **10¢**

Per Dozen, Either Type... \$1.08

**C12997—1 $\frac{1}{4}$ " long prod.** ..... **10¢**  
**C12998—1 $\frac{1}{2}$ " long.** ..... **10¢**

Per Dozen, Either Type... \$1.08

## Insulated Tip Jacks

Have new type springs which provide sure grip contact. Mounts in  $\frac{3}{16}$ " hole. In red or black.

Specify color. **9¢**  
**C12879—Each** ..... **9¢**  
 12 For ..... 97c

**C12880—10 For \$2.05**  
**Your Cost Each** ..... **23¢**

**C12881—10 For \$2.05**  
**Your Cost Each** ..... **23¢**

**C12882—10 For \$2.05**  
**Your Cost Each** ..... **23¢**

**C12883—10 For \$2.05**  
**Your Cost Each** ..... **23¢**

**C12884—10 For \$2.05**  
**Your Cost Each** ..... **23¢**

**C12885—10 For \$2.05**  
**Your Cost Each** ..... **23¢**

**C12886—10 For \$2.05**  
**Your Cost Each** ..... **23¢**

**C12887—10 For \$2.05**  
**Your Cost Each** ..... **23¢**

**C12888—10 For \$2.05**  
**Your Cost Each** ..... **23¢**

**C12889—10 For \$2.05**  
**Your Cost Each** ..... **23¢**

**C12890—10 For \$2.05**  
**Your Cost Each** ..... **23¢**

**C12891—10 For \$2.05**  
**Your Cost Each** ..... **23¢**

**C12892—10 For \$2.05**  
**Your Cost Each** ..... **23¢**

**C12893—10 For \$2.05**  
**Your Cost Each** ..... **23¢**

**C12894—10 For \$2.05**  
**Your Cost Each** ..... **23¢**

**C12895—10 For \$2.05**  
**Your Cost Each** ..... **23¢**

**C12896—10 For \$2.05**  
**Your Cost Each** ..... **23¢**

**C12897—10 For \$2.05**  
**Your Cost Each** ..... **23¢**

**C12898—10 For \$2.05**  
**Your Cost Each** ..... **23¢**

**C12899—10 For \$2.05**  
**Your Cost Each** ..... **23¢**

**C12900—10 For \$2.05**  
**Your Cost Each** ..... **23¢**

**C12901—10 For \$2.05**  
**Your Cost Each** ..... **23¢**

**C12902—10 For \$2.05**  
**Your Cost Each** ..... **23¢**

**C12903—10 For \$2.05**  
**Your Cost Each** ..... **23¢**

**C12904—10 For \$2.05**  
**Your Cost Each** ..... **23¢**

## MALLORY 520 Series Round Head Jacks

Compact type. Insulated tops. Mount in  $\frac{3}{16}$ " hole. For panels up to  $\frac{3}{8}$ " thick.

Specify color. **12¢**  
**C6534—Red** ..... **12¢**  
**C6535—Black** ..... **12¢**  
**C6536—Yellow** ..... **12¢**  
**C6537—Green** ..... **12¢**

Per Pair, 1-red, 1-black  
**C6538—Your Cost** ..... **22¢**

**C6539—Your Cost** ..... **22¢**

**C6540—Your Cost** ..... **22¢**

**C6541—Your Cost** ..... **22¢**

**C6542—Your Cost** ..... **22¢**

**C6543—Your Cost** ..... **22¢**

**C6544—Your Cost** ..... **22¢**

**C6545—Your Cost** ..... **22¢**

**C6546—Your Cost** ..... **22¢**

**C6547—Your Cost** ..... **22¢**

**C6548—Your Cost** ..... **22¢**

**C6549—Your Cost** ..... **22¢**

**C6550—Your Cost** ..... **22¢**

**C6551—Your Cost** ..... **22¢**

**C6552—Your Cost** ..... **22¢**

**C6553—Your Cost** ..... **22¢**

**C6554—Your Cost** ..... **22¢**

**C6555—Your Cost** ..... **22¢**

**C6556—Your Cost** ..... **22¢**

**C6557—Your Cost** ..... **22¢**

**C6558—Your Cost** ..... **22¢**

**C6559—Your Cost** ..... **22¢**

**C6560—Your Cost** ..... **22¢**

**C6561—Your Cost** ..... **22¢**

# TEST PRODS and ALIGNING TOOLS

## ICA 5-IN-1 Aligner Kit

Combines in a fountain pen size tool,  $\frac{1}{4}$ " and  $\frac{1}{8}$ " nut wrenches, miniature blade screwdriver for all aligning and a full-size insulated handle screwdriver. 3 piece set. **C15082—Your Cost... 88¢**

## ICA Aligning Tool Set

Two tools, one fits within other. One is 6" long,  $\frac{3}{8}$ " diameter with fitted brass wrenches for  $\frac{1}{4}$ " and  $\frac{1}{8}$ " hex nuts. Other is  $\frac{1}{2}$ " rod fitted with screwdriver nib. **C15083—Your Cost... \$1.03**

## Double Shank Trimmers

For Philco, RCA, etc. Screwdriver shank is  $\frac{1}{2}$ " diameter—fits into  $\frac{1}{4}$ " hole up to 1  $\frac{1}{2}$ "; other end takes  $\frac{1}{8}$ " hex. nut. **C15105—6" long. Each. 73¢**  
**C15106—10" long. Each. 88¢**

## ICA Low "C" Aligner

A low capacity screwdriver for aligning superhets.  $\frac{1}{4}$ " bone fibre, with 2 driver nibs. One extends  $\frac{1}{2}$ ", for padding condensers. Other has recessed screwdriver for permeability tuned circuits. **C15145—Your Cost. 43¢**

## Hex Socket Aligner

6" long with brass  $\frac{1}{4}$ " socket head. Other end has hardened screwdriver bit. Shaft diameter  $\frac{3}{16}$ ". **C15104—Your Cost. 50¢**

## FIBRITE Screw Driver

7" long; driver at both ends for all trimmer condensers. **C15150— $\frac{7}{16}$ " diameter. 29¢**  
**C15151— $\frac{1}{2}$ " diameter. 47¢**

## ICA Aligning Kit

14 tools telescope into six units: a flexible screwdriver, "magic" alignment tool, alligator side wrench, 6" insulated driver—metal nib,  $\frac{3}{16}$ " and  $\frac{1}{4}$ " nut wrench,  $\frac{1}{4}$ " insulated square nut wrench,  $\frac{1}{4}$ " hex metal side wrench, 2  $\frac{1}{2}$ " insulated driver with metal nib,  $\frac{1}{4}$ " hex slotted insulated wrench driver,  $\frac{3}{16}$ " hex insulated nut wrench, 5" and 6" insulated driver. **C15088—\$4.41 Kit**

Like above, but less flexible screwdriver and "magic" aligning tool. **C15089—Your Cost... \$3.82**

## Aligning Wrench

For adjusting air trimmers on RCA and Philco 1936-'37 and '38 sets  $\frac{3}{8}$ " Fenoline, 8  $\frac{1}{2}$ " long. **C15144—Your Cost... 88¢**

## Trimmer Screwdriver

For slotted trimmers. Has recessed blade in metal nib. Shank diameter  $\frac{7}{16}$ ", small enough to go through a  $\frac{1}{4}$ " hole. Length 4  $\frac{3}{8}$ ". Black. **C15074—Your Cost. 82¢**

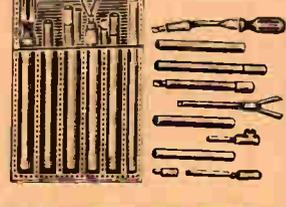
## ICA Aligning Tool

6" narrow fibre rod,  $\frac{1}{32}$ " dia., with special metal clip for air trimmers. **C15078—For Philco sets. 38¢ Each**

## Neon Test-O-Lite

With this Test-O-Lite you can find blown out fuses immediately. Will check any voltage between 110 and 550 volts—either a.c. or d.c. Will also check spark-plugs, radio sets, appliances, etc. Distinguishes a.c. from d.c. Bakelite case. Complete with pocket clip. **C12983—Your Cost. 98¢**

## Leatherette Case



## ICA Adjustable Balancer

Bone fibre—no metal parts. Screwdriver slides inside aligning wrench; other end has hex socket. **C15192—Extends 6" to 11". Your Cost Each. 44¢**  
**C15193—10" to 18". 57¢**

## Neutralizing "Driver"

For aligning coils, condensers, etc. **C15080—6  $\frac{1}{4}$ " x  $\frac{1}{4}$ ". Each. 29¢**

## U.H.F. Aligning Tool

Molded of pure Polystyrene—no capacity effect on critical circuits. With pocket clip. 6x  $\frac{1}{4}$ ". **C15075—Each. 29¢**

## Handy Neon Circuit Tester

Shows open circuits, polarity, continuity, etc. Checks fuses in circuit. Tiny neon lamp glows on only .1 ma. Coded leads have phone tips. 90-550 v. **C11310—Each. 59¢**

## Low Voltage Type.

Range 3 to 25v. Leads have alligator clips. **C11308—\$1.03 Each.**

## ICADual Alignment Tool

One side has 1  $\frac{1}{4}$ " screwdriver blade, opposite side has socket screwdriver for adjusting iron core tuning circuits. Handle 2  $\frac{1}{2}$ " black bone fibre. Overall 6". **C15114—Your Cost. 44¢**

## ICA Push-Button Tuner Aligning Tool

Special for aligning variable permeability push-button tuning units. Bone fibre handle  $\frac{3}{4}$ " dia., 1  $\frac{1}{2}$ " long; shank 4  $\frac{1}{2}$ " long. Socket  $\frac{1}{32}$ " dia., contains recessed screwdriver nib. **C15115—Your Cost. 44¢**

## Flexible Tuning Wand

For determining correct alignment. A 6" flexible rod; one end brass loaded—the other, core steel. Placing either end in magnetic field of coil will show inductive condition. **C14978—Your Cost. 59¢**

## Solid Tuning Wand

Similar to above, except that the body is solid insulation. **C14976—Your Cost Ea. 62¢**

## 4-1 Neutralizing Tool

Has pen clip for pocket.  $\frac{1}{4}$ " nut wrench with key slot, and aligning screwdriver. Bakelite. **C14915—Your Cost. 59¢**

## Insulated Hex Wrench

Hexed entire length; cut worn end and have a new wrench. Hex  $\frac{1}{4}$ ". Stock No. Length **Your Cost**  
**C15148 6" 17¢**  
**C15149 8" 20¢**

## Pencil Prod Kit

Spring prongs at the end of prods allow changing from spade lugs to phone tips or to spring clips. Handles are 6" long,  $\frac{1}{4}$ " diameter. Five foot red and black kinkless wire. Complete with two alligator clips, two needle point phone tips and two tapered lugs. **C12971—Your Cost \$1.47**

Similar to above, but fixed ends. With Spring Clip Ends. **C12882—Per Set. 82¢**  
With Phone Tip Ends. **C12883—Per Set. 73¢**

## ICA Laboratory Prods

Heavy duty. Bronze tip with needle point and heavy body. Double purpose—needle prod and phone tip prod. Heavy 5" long handles. Five foot red and black kinkless leads. **C12978—Spade tips. 73¢ Each**  
**C12979—Phone tips. 73¢ Each**

## Test Lead BARGAIN!

37-inch test leads equipped with phone tips at one end and 4-inch insulated prods at the other. Flexible leads; both leads and prods are colored red and black. **C12989—Your Cost. 41¢**

## Needle and Solderless Tip Prods

Chucks and nuts hold plain phonograph needles (Type A). Fibre handles 4" long,  $\frac{3}{8}$ " diam., in red and black, colored kinkless wire. Type B is solderless tip with long point. Leads 50" long. **C12976—Phone Tips. 59¢ Pair**  
**C12975—Spade Lugs. 59¢ Pair**  
**C12977—Alligator. 65¢ Pair**

## SOLDERLESS TIP PLUGS (B)

**C12968—Phone Tips. 59¢ Pair**  
**C12969—Spade Lugs. 59¢ Pair**  
**C12970—Alligator. 65¢ Pair**

## ICA Test Lead Kit

Leatherette pocket case. Insulated fittings are provided for every type of testing. With one pair of test leads having 60" of red and black kinkless wire; one end has insulated phone tips, the other insulated removable banana plugs. Also includes: one pair each; insulated alligator clips; insulated spade plugs; insulated needle points (all 1 red, 1 black). **C12861—Each. \$2.06**

## Heavy Duty Test Leads

6" red and black handles and removable phone needle chuck. Alligator clip. **C12980... 88¢**

## ICA "No Break" Prods

Of solid brass, nicked and covered with shockless live rubber—1 red, 1 black; sharp pointed tips. Other end of 50" kinkless rubber wires have solderless insulated phone tips. **C12999—Pair. 68¢**  
**C13000—Same but with plain non-insulated phone tips. 59¢**

## 10,000 Volt Test Leads

Safely test up to 10,000 volts. Necessary for television work. Large diameter bakelite prods, 6" long, have guarded midget phone tips. 2" bakelite phone tips prods. 50" heavy duty cables of 18 gauge stranded tinned copper wire—low voltage drop. One red, one black. Shpg. wt. 1 lb. **C12885—Per Pair. \$2.35**

## Weston Type Test Leads

5" long handles of red and black phenolic. With rubber, kinkless wire. Molded finger grip tips with set screws. 65" overall. **C12988—Your Cost \$1.03**

## Mueller "Snapper" Probe

A 7" fibre insulated tube fitted with spring contact jaws that separate by thumb pressure on knob. Test leads connect under knob. **C14916—Red Handle/38¢ Each**  
**C14917—Black Handle/72¢ Pair**



# HOOK-UP & MAGNET WIRE

## Metal Shielded Wire



Shielded with a seamless copper tube. Absolutely moisture-proof and remarkably strong. No. 22 conductor. Hi-voltage insulation. In 5-foot lengths only.

C16183—One wire..... 75c  
C16184—Two wire..... 95c  
C16185—Three wire..... \$1.05

## No. 14 Tinned Solid Copper Push-Back Wire



Designed for heavy-duty work in power amplifiers, transmitters, etc. Cotton wrapper with heavy lacquer insulating material and final layer of impregnated cotton braid. High breakdown voltage.

**25-Foot Coils**  
C16341—Black C16339—Red  
Your Cost, Per Coil..... **39c**

**100-Foot Coils**  
C16348—Black C16346—Red  
Your Cost, Per Coil..... **\$1.55**

## Push-Back WIRE

### Solid Tinned Copper Core Type

No stripping is necessary. Just push back the double cotton-covered moisture-proofed braid. No. 20 wire. Four colors for circuit identification. Weight 2 lbs. per 100 feet.



**25-Foot Coils**  
C16350—Red C16352—Black  
C16351—Green C16353—Yellow  
Your Cost (10 For \$1.55), Per Coil..... **17c**

**50-Foot Coils**  
C16358—Red C16360—Black  
C16359—Green C16361—Yellow  
Your Cost (10 For \$2.75), Per Coil..... **31c**

**100-Foot Coils**  
C16366—Red C16368—Black  
C16367—Green C16369—Yellow  
Your Cost (10 For \$5.55), Per Coil..... **62c**

**1000-Foot Spools**  
C16374—Red C16376—Black  
C16375—Green C16377—Yellow  
Your Cost, Per Spool..... \$4.95

### Standard Tinned Copper Core Type

Very flexible wire of multi-strand tinned copper; equivalent to No. 20. Cotton braid pushes back easily. Available in 4 colors. Weight, 2 lbs. per 100 feet.

**25-Foot Coils**  
C16354—Red C16356—Black  
C16355—Green C16357—Yellow  
Your Cost (10 For \$1.70), Per Coil..... **19c**

**50-Foot Coils**  
C16362—Red C16364—Black  
C16363—Green C16365—Yellow  
Your Cost (10 For \$3.25), Per Coil..... **36c**

**100-Foot Coils**  
C16370—Red C16372—Black  
C16371—Green C16373—Yellow  
Your Cost (10 For \$6.45), Per Coil..... **72c**

**1000-Foot Spools**  
C16378—Red C16380—Black  
C16379—Green C16381—Yellow  
Your Cost, Per Spool..... \$5.75

## Colored Rubber Wire

Stranded and tinned 20 gauge copper wire covered with a live rubber compound. Very flexible; easy to strip. Solders instantly. Available in three colors.



**25-Foot Coils**  
C16272—Red C16273—Black C16274—Green  
Your Cost Each 5 For **19c 85c**

**1000-Foot Spools**  
C16108—Red C16109—Black C16110—Green  
Your Cost Each **\$5.85**

**No. 16 RUBBER COVERED**  
C16280—Black C16281—Red  
50 Ft. 100 Ft. 500 Ft.  
Your Cost 62c \$1.18 \$5.29

**Stranded No. 14 Gauge**  
C16121—Black C16120—Red  
25 Ft. 50 Ft. 100 Ft.  
Your Cost 45c 85c \$1.55

**Stranded No. 12 Gauge**  
C16122—Black C16123—Red  
25 Ft. 50 Ft. 100 Ft.  
Your Cost 75c \$1.45 \$2.59



## RESISTANCE WIRE ON HANDY SIZE SPOOLS

High grade resistance wire in small quantities for use in highly sensitive instruments where accurately determined resistance values, secured through the employment of a high grade alloy wire, are necessary.

Wire Gauge	Ohms Per Ft.	ENAMELED		BARE	
		Stock No.	Ft. In. Spool	Stock No.	Ft. In. Spool
14	.04603	C16600	20	C16614	24
16	.07318	C16601	31	C16615	38
18	.1164	C16602	40	C16616	48
20	.1850	C16603	57	C16617	81
22	.2941	C16604	77	C16618	126
24	.4678	C16605	104	C16619	190
26	.7438	C16606	141	C16620	277
28	1.183	C16607	160	C16621	399
30	1.879	C16608	182	C16622	560
32	2.990	C16609	205	C16623	765
34	4.756	C16610	230	C16624	1092
36	7.560	C16611	253	C16625	1482
38	12.02	C16612	279	C16626	1881
40	19.11	C16613	309	C16627	2308

Your Cost Each, Any Spool **39c**

## HIGH GRADE MAGNET WIRE ON HANDY SIZE SPOOLS

Economical sized spools of high grade magnet wire for those desiring less than 1/4 lb. All spools are plainly marked with the length of wire contained on the spool as well as the size. Available in double cotton, double silk and enameled insulation.



Gauge	DOUBLE COTTON		DOUBLE SILK		ENAMELED	
	Stock No.	Ft. In. Spool	Stock No.	Ft. In. Spool	Stock No.	Ft. In. Spool
14	C16500	21	C16514	19	C16528	25
16	C16501	33	C16515	25	C16529	40
18	C16502	42	C16516	31	C16530	48
20	C16503	60	C16517	42	C16531	85
22	C16504	81	C16518	60	C16532	133
24	C16505	110	C16519	83	C16533	200
26	C16506	148	C16520	101	C16534	292
28	C16507	168	C16521	119	C16535	420
30	C16508	192	C16522	141	C16536	590
32	C16509	216	C16523	163	C16537	805
34	C16510	242	C16524	190	C16538	1150
36	C16511	266	C16525	219	C16539	1560
38	C16512	294	C16526	243	C16540	1980
40	C16513	325	C16527	275	C16541	2430

Your Cost Each, Any Spool **20c**

## Extruded Plastic Tubing

10,000 V. di-electric strength. Will not support combustion. Resistant to petroleum solvents, acid, alkalis and soldering temperatures. May be bent over A.S.T.M. specification mandrel after heating at 220° for 150 hours. All are 3-foot lengths.

**Size No. 16** 10 For **63c**  
C16186—Black  
C16187—Yellow/7c Ea.

**Size No. 12** 7 1/2c ea. 10 For **67c**  
C16188—Black  
C16189—Red  
C16190—Yellow  
C16191—Green

**Size No. 8** 10 For **\$1.70**  
C16192—Black  
C16193—Yellow 19c ea.

## 8-Yard Spools of Spaghetti

High grade varnished cambric tubing. 5000 V. di-electric strength. 8-yard lengths on fibre spools. Takes a No. 12 wire.

C15951—Red C15952—Green  
C15954—Yellow C15955—Black  
Takes a No. 14 wire.

C15750—Red C15752—Green  
C15751—Yellow C15753—Black  
Any Above Sizes Per 8-Yard Spool..... **59c**

Takes a No. 18 wire—12 yard spool only.  
C15754—Black  
Per 12-Yard Spool..... **59c**



## FINEST GRADE MAGNET WIRE



Highest quality copper wire. Excellent for re-winding power transformers and chokes, winding coils or any other radio and electrical purpose. Ideal for use in shops, schools, laboratories, etc.

**PLAIN ENAMELED**

Stock No.	Size B&S	Ft. Per Spool	Your Cost
C20950	16	125	\$0.16 \$0.29
C20951	18	202	.16 .29
C20952	20	319	.17 .31
C20953	22	506	.17 .31
C20954	24	804	.18 .32
C20955	26	1280	.20 .36
C20956	28	2030	.22 .38
C20957	30	3220	.24 .43
C20958	32	5100	.26 .47
C20959	34	8050	.30 .55
C20960	36	12900	.39 .71
C20961	38	20300	.49 .88

## Spaghetti Tubing

Highest grade cambric tubing. Red, yellow, green and black. #12. C15960—Specify Color Per 30-Inch Length..... **6c** Your Cost 10 Lengths..... 53c



## Double Silk Covered

Stock No.	Size B&S	Ft. Per Spool	Your Cost
C20962	18	199	\$0.36 \$0.66
C20963	20	314	.40 .78
C20964	22	494	.46 .90
C20965	24	778	.55 1.07
C20966	26	1220	.68 1.31
C20967	28	1910	.85 1.64
C20968	30	2960	1.10 2.13
C20969	32	4570	1.39 2.70
C20970	34	6980	1.76 3.33
C20971	36	10500	2.16 4.11

## DOUBLE COTTON

Extremely popular with amateurs and experimenters. Highest quality.

Stock No.	Size B&S	Ft. Per Spool	Your Cost
C20973	16	122	\$0.18 \$0.33
C20974	18	192	.20 .36
C20975	20	298	.21 .37
C20976	22	464	.23 .41
C20977	24	711	.26 .47
C20978	26	1080	.31 .57
C20979	28	1630	.36 .65
C20980	30	2420	.42 .76
C20981	32	3500	.49 .90
C20982	34	4920	.59 1.06
C20983	36	6660	.79 1.48

## ROUND TINNED COPPER BUS BAR No. 14—2-FOOT LENGTHS

10 Lgths. 100 Lgths.  
C15965—Your Cost..... **14c \$1.27**

NOTE: Wire prices are affected by conditions of metal markets, therefore all wire prices are subject to change without notice.

## GIANT SLEEVING

No. 2 Spaghetti. I. D. 1/2"; 36" long. High Voltage oil varnish impregnation. Black only. C15956—10 For \$1.25 Per length..... **15c**

## Multi-Conductor Cable



A high grade, heavily insulated cable. Each lead has a different colored rubber jacket for easy identification. 18 gauge, stranded tinned copper wire. Cotton braid overall.

No.	Wires	Per Ft.	100 Ft.
C16089	3	2 1/2c	\$2.25
C16090	4	3c	2.70
C16091	5	4c	3.60
C16092	6	4 1/2c	4.05
C16093	7	5c	4.50
C16094	8	6c	5.40
C16095	9	6 1/2c	5.85
C16096	10	7 1/2c	6.75

## BELL WIRE

Excellent grade No. 18. C16338—1/2 lb. roll Your Cost..... 35c C16051—25 ft. roll Your Cost..... **12c**

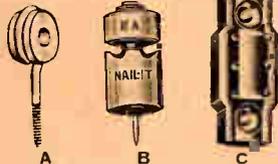






# ANTENNAS and ACCESSORIES

## Aerial Insulators



Dependable porcelain insulators. "A" is screw in type for holding lead-ins or grounds off-walls; "B" is standard nail-knob; "C" is strain insulator.

No.	Type	Size	Each	10	100
C16972	A	3"	3c	24c	\$2.16
C16986	A	7"	3 1/2c	31c	2.79
C16977	B	2"	3c	22c	1.92
C16802	C	2 1/2"	3c	22c	1.92

## Glass Insulators

Special tempered glass, unaffected by heat or cold. High tensile strength. Ridged. C16849—2 1/2" long. **Your Cost Each 2 1/2c**  
 Lots of 100..... \$2.06  
 C16850—3" long **Your Cost Each 3c**  
 10 For 24c 100 For \$2.16  
 C16851—3 3/4" long. **Your Cost Each 5c**

## ELECTRIC FENCE Insulators

For attaching wire to fence without kinking. C15682—6" 100 For \$5.25  
 Each

**Glazed Porcelain Insulators**  
 For insulating wire from posts. (A) **5c**  
 C15680—4 For 100 For 95c  
 For insulating on corner posts. (B) **5c**  
 C15681—Each 2 1/2c  
 100 For \$2.00  
 Kit: Contains 50-type A; 4-type B. With leather washers. **C15683—Your Cost 63c**

**Fasteners**  
 Fastens wires quickly and easily to post insulators. Made of heavy galvanized wire. **Clip only. C15671—Box of 100. 32c**

## Antenna Loops for Midgets and Portables

Ideal for battery and mid-gate sets or portables. Replaces antenna coil; gives satisfactory pickup and excellent selectivity. Inductance slightly higher than necessary, permitting removal of turns for adjustment. 4 3/4"x8". **C16450—Your Cost 48c**  
**C16451—Size: 7 1/2"x9 1/2". Your Cost 51c**

## 3-Purpose Tuner

Can be used as aerial eliminator, wave trap or antenna tuner. As eliminator it does away with outside wires; as wave trap it separates interfering stations and improves selectivity; as antenna tuner it strengthens signals. Wt. 2 lbs. **C12678—Each 85c**



## Lafayette Low Cost Aerial Kits

No finer low cost aerial kits have ever been offered. Complete in every detail and containing only the finest components they will provide the ultimate in reception. This kit includes: 50 ft. 7/24 aerial wire, 50 ft. No. 20 insulated lead-in, 25 ft. ground wire, approved arrester, ground clamp, lead-in strip, two porcelain insulators, two nail-it knobs. Can be used with all types of broadcast and all-wave receivers. **C16476—Your Cost 99c**

## "Tenna-Scope" Loop Aerial



Makes a loop-antenna receiver out of any radio! Eliminates the use of an outside aerial and ground. No circuit changes necessary. Tuning range: 1715-500 kc. Adjustment trimmer adapts it to any receiver. Better selectivity. Higher signal to noise ratio. Fits on the back of practically all midgets. Size 8 1/2"x6 1/2"x1 1/4". Full instructions included. Shpg. wt. 2 lbs. **C16452—Your Cost \$1.32**

## Copper Aerial Wire

Made of the finest copper obtainable. All rolls are guaranteed to be full length and standard gauge as specified. For any type aerial.

**Bare Stranded—75 Ft. Coils**

Stock No.	Size	Per Coil	10 Coils	25 Coils
C16041	7/26	\$0.20	\$1.90	\$4.65
C16042	7/24	.30	2.85	6.75
C16043	7/22	.43	4.05	9.65

**Bare Stranded—100-Ft. Coils**

Stock No.	Size	Per Coil	10 Coils	25 Coils
C16113	7/26	.26	2.45	6.10
C16114	7/24	.36	3.60	8.80
C16115	7/22	.54	5.10	12.50

**Enameled Stranded—75 Ft. Coils**

Stock No.	Size	Per Coil	10 Coils	25 Coils
C16044	7/24	.40	3.80	9.30
C16045	7/22	.58	5.30	14.20

**Enameled Stranded—100 Ft. Coils**

Stock No.	Size	Per Coil	10 Coils	25 Coils
C16116	7/24	.53	5.05	12.35
C16117	7/22	.76	7.25	17.70

**Solid Enameled—100 Ft. Coils**  
 C16118 No. 14 .65 6.25 15.35  
 C16119 No. 12 .96 9.25 22.55  
 C16129 No. 10 1.28 12.15 29.80

## Indoor Antenna Wire

Multi-strand flexible copper wire covered by a brown mercerized cotton braid. For indoor or a.c.-d.c. antenna use. 25-ft. hank. **C16155—Your Cost 12c**  
**C16167—100-ft. Coil. 45c**

## Insulated Staples

For holding inside lead-in and ground wires in place. No. 5, Size 1/4"x 3/8" long. **C15950—100 For 10c**

## AMPHENOL Co-Axial Cable Connectors

Chrome-plated brass shells. Polystyrene insulation. Takes cable up to 1 1/2" dia., or can be reamed for 3/8" O.D. cables. **C16706—(A) Male connector with coupling ring. No. 93-M. C16707—(B) Female connector with coupling thread. No. 93-F. Either Above, 88c Each**  
**C16708—(C) Chassis connector with ring. No. 93-C. C16709—(A) Connects cable to antenna. No. 93M5. Each. 88c**

## No. 18 Lead-In Wire

Solid tinned copper. 3/4" rubber esyrip insulation. For lead-ins, ground leads or aerials. Shpg. wt. 2 lbs. per 100 ft. Specify length when ordering. **C16200—25 Ft. 50 Ft. 100 Ft. Single Coil. 15c 25c 47c**  
 Lots of 10. **\$1.35 \$2.25 \$4.25**  
**C16217—1000-ft. spool Your Cost \$4.50**

## Transmission Cable

Consists of twisted rubber-covered conductors covered by a black weatherproof cotton outer braid. Shpg. wt. (100 ft.), 4 lbs. **C17152—Per Foot 1 1/2c**  
**Per 100 Foot Coil \$1.20**

## Shielded Lead-In and Hook-Up Wire

A 10-strand wire covered with live rubber, a waxed cotton braid and a woven, tinned shield. **C16240—Per Ft. 50 Ft. 100 Ft. Your Cost. 2c 90c \$1.50**

## Wood Head Tacks

Standard upholstery tacks, 5/8" long. **100 For C15957 White C15961-Brown 17c**

## Plated Ground Rods



Used wherever a pipe ground is not available. Heavy steel yoke for head, 3/8" heavy plated steel. **No. Feet Each Per 10**  
**C17187 4 28c \$2.65**  
**C17188 6 41c 3.90**

## "Grip" Ground Clamp

Makes a vise-like grip on pipe. Sharp-pointed screw makes perfect contact. Heavily plated. **C17105—Your Cost 3c**  
**Each 10 For 27c 100 For \$2.43**

## Pipe Strips

Broad copper clamp adjustable to fit any size pipe up to 2" in diameter. Has clip for attaching ground lead. **C17102—Your Cost Each 3c**  
**10 For 25c 100 For \$2.25**

## Doublet Lead-In Strip

Consists of two strips covered by heavy cotton weather-proof braid. Bakelite bar holds strips parallel. **C16952—Your Cost 10c**  
**Each Per 10. 89c**

## Single Lead-In Strip

Clip terminals. 12" long. **C17101—10 For 23c Your Cost Each 3c**

## BRACH "Vis-o-Glow" NEON Arrester

Uses a NEON TUBE instead of an air-gap or resistance. Fully Underwriters Approved. Shpg. wt. 1 lb. **C16700—Your Cost 82c**  
**DUPLEX TYPE: Same as above, but for use with sets having doublet antennas. C16701—Your Cost \$1.15**

## Arrester for Doublets

An approved arrester for the doublet type of antenna. Air-gap type, insulated from ground. Porcelain case. **10 For \$1.70 C16950—Your Cost Ea. 19c**

## Porcelain Arrester

Housed in brown glazed porcelain; approved. With brass screw terminals. 1 1/2"x 3 1/4" overall. **C16753—Your Cost Ea. 9c**  
**10 For 81c 100 For \$7.70**

## Aerial Tension Spring

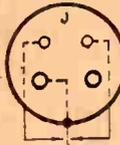
Consists of 2 hooks with porcelain rings interconnected with a powerful spring. Wt. 1 lb. **C16487—Your Cost 39c**

# Trutest VIBRATORS



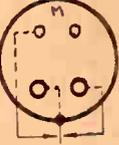
The Trutest line of replacement vibrators has been designed to fulfill the servicing requirements for the great majority of home and auto radio receivers (using vibrators). All provide long-lived service. Shpg wt. 2 lbs.

## NON-SYNCHRONOUS VIBRATORS



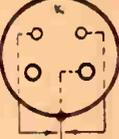
4-prong, 1 1/2" by 3 3/8" high. Most popular general replacement unit. Fits many receivers. **C14635**

4-prong, 1 1/2" by 3 3/8" high. Special pin arrangement. Exact replacement for Delco and General Motors sets. **C6027**



4-prong (diagram above). 2 1/2" x 4 3/4" high. Replacement for **Philco** No. 38-5036, all models to 1936 except Model 816. **C14632**

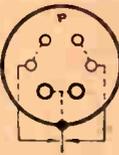
4-prong, 1 1/2" by 3 3/8" high. Exact replacement for Firestone, Warner, Zenith, etc. auto radios. **C6029**



4-prong (like above). 2" by 3 9/16" high. Replacement for **Philco** No. 41-3170. For 1936-7-8 sets except Model 816. **C14636**

4-prong (like above). 1 5/8" by 4 3/4" high. Replacement for **Philco** No. 41-3186; fits Model 816. **C6026**

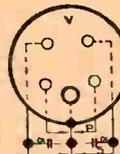
6-prong, 1 1/2" by 3 3/8" high. Standard 6-prong unit for Arvin, Ford, Zenith, Bosch and other makes of auto radios. **C6030**



4-prong (like above). 1 1/2" by 3 1/8" high. Replacement for **Philco** No. 41-3398. For 1939 sets, including Model 920, etc. **C6028**

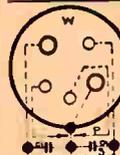
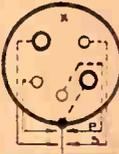
**Any Non-Synchronous Vibrator Above, Your Cost Each** ..... **\$1.19**  
In Lots of 6, Each ..... **\$1.15**

## SYNCHRONOUS VIBRATORS



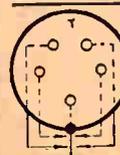
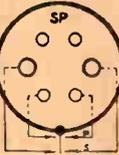
5-prong, 2" by 4 1/2" high. With condensers. For Delco, General Motors, Crosley and Colonial. **C6032** Each ..... **\$2.65**  
Lots, 6 Ea. **\$2.35**

5-prong, 1 1/2" by 3 3/8" high. Without condensers. For Delco and General Motors auto radio receivers. **C6035**



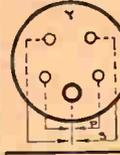
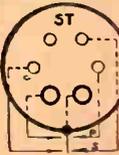
5-prong, 2" by 4 1/2" high. With condensers. For Delco, General Motors and Grunow sets. **C6033** Each ..... **\$2.65**  
Lots, 6 Ea. **\$2.35**

6-prong reversible, 1 1/2" by 3 3/8" high. For General Electric, R.C.A., Delco, Montgomery-Ward, etc. **C6036**



5-prong, 1 1/2" by 3 1/8" high. Without condensers. For Arvin, Bosch, Detroit, Grunow, Firestone, etc. **C6031**

6-prong, 1 1/2" by 3 3/8" high. Without condensers. For Crosley, G.E., Silvertone, Zenith, Philco, etc. Farm and auto. **C6037**



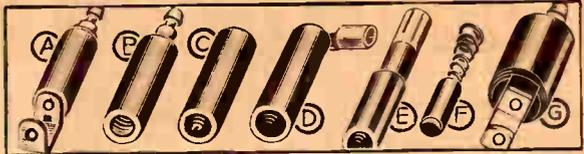
5-prong, 1 1/2" by 3 3/8" high. For most household sets (Admiral, Simplex, Western Auto, etc.). Without condensers. **C6034**

**Synchronous Vibrators**  
Any Type Above, except **C6032** and **C6033** (prices shown above).  
**Your Cost Each** ..... **\$2.35**  
In Lots of 6, Each ..... **\$2.10**

## CROSS INDEX OF EQUIVALENT VIBRATORS

TRUTEST Stock No.	RADIART Type	MALLORY Type	DELCO Type	UTAH Type	MEISS & ELEC. Type
C6031	5409, 5413	245, 281, 285	5051125, 5053185	SP5	715
C6032	3461, 4613	273C	5038055, 5039661	SP51	704
C6037	4416, 5411	46, 246	5052525	SP66	712
C6034	3679, 5410	45C, 245C	5053181	SP35	714
C6033	4611	273D	5041376, 5043853	SP52	718
C6036	3883, 5400	248, 286S, 287M	5052860, 5053501	SP62	723, 728
C6035	5426	514, 515, 715	5050498	SP54	726
C14632	.....	500P	.....	NP41	P450
C14635	SU1	4-4	5040000, 5052378	Aee	EU1
C6026	5323	507P	5042240	NP483	.....
C14636	5320	505P	5042703	NP49	P464
C6028	5300, 5325P	94, 294, 508P	5052378	NP484	P454
C6027	5303	204C	5050673	NP480	435
C6030	3263, 5312	96, 296	5052374	NP6	452
C6029	5331	294SW, 854	.....	NP43	440

# Trutest Auto Radio Suppressors



High quality suppressors housed in black molded cases. All popular types are shown and listed.

- No. Type Description  
**C5283** A Standard Spark Plug  
**C5246** A Special for Ford V8  
**C5278** B Compact Spark Plug  
**C5247** B Compact Spark Plug Type for Ford V8  
**C5253** C Cable Type for Buick  
**C5285** D Elbow Cable Type  
**C5279** E Standard Distributor  
**C5293** F Distributor Type for Ford 1936 and earlier  
**C5277** F Distributor Type for Ford 1937-'38-'39-'40.  
**C5256** \* Elbow Type for 1938 Plymouth  
 10 For ..... **99c 11¢ Ea.**  
 \*Like "A," with elbow connector.

**Wire Wound Units (G)**  
 Most efficient type. Do not impair motor efficiency. Low d.c. resistance, high inductance. Acts as r.f. choke. Extra rugged.  
**C5296**—Spark Plug Type  
**C5297**—Distributor Type

**Either Type, Each** ..... **35¢**  
 10 (Assorted) For ..... **\$3.15**

## Master Distributor Unit

Hermetically sealed; impervious to moisture and heat. Eliminates need for other suppressors. D.C. resistance is 10,000 ohms.  
**C5284**—Each ..... **41¢**  
 5 For ..... **\$1.85**

## Mallory "4-4" Vibrator

A competitively priced vibrator interchangeable with standard Mallory 294, but with 4 contacts, Non-synchronous. Size: 3 1/4" x 1 1/2". For low drain auto or battery sets. Shpg. wt. 2 lbs.  
**C6089**—  
**Your Cost** **\$1.23**

## Dome Light Filter

Eliminates the noise in dome lighting wiring. Has condenser-choke.  
**C14208**—10 For **\$2.61**  
**Your Cost Each** ..... **29¢**

## Noise Filter

Eliminates the need for spark plug suppressors by cutting out all ignition interference. Installed in antenna lead of set; shielded lead supplied. Complete instructions. Shpg. wt. 2 lbs.  
**C14202**—  
**Each** ..... **\$1.62**

## Vibrator Condensers

Oil impregnated. Rated at 1600 volts. Small square metal cans are 1 1/4" x 3/8" x 1/2".  
 No. Mfd. No. Mfd.  
**C3240\*** .007 **C3241\*** .01  
**C3242\*** .02 **C3245** .02  
**C3244** .01  
**Your Cost, Any Type** **24¢**  
 In lots of 10 (Assorted) ..... **\$2.18**  
 \*Have two leads—others, one.

## Copper Shielding

Used for shielding of interference creating circuits. Closely woven.  
**BARE** Diam. **TINNED**  
**C16234** 2 1/2" 1/2" **C16237** 3c  
**C16235** 3c 3/8" **C16238** 4c  
**C16236** 3 1/2" 3/8" **C16239** 5c

## Shielded 7 MM. Wire

Lacquered braided wire with a heavy rubber wall and outer covering of tinned copper shielding. Wt. 7 lbs. 100 ft.  
**C16211**—Per Foot ..... **5¢**  
**C16213**—100 Foot Spool ..... **\$4.75**

## 7 MM. Ignition Wire

Standard 7 mm. black lacquered braided wire. Moisture proof. Shpg. wt. 7 lbs. per 100 ft.  
**C20851**—Per Foot ..... **3 1/2¢**  
**C20852**—100 Feet ..... **\$3.00**

## Generator Condensers

Standard auto radio condensers designed to eliminate generator noise. Fully shielded. Dirt and oil proof.  
 No. Mfd. Each 10 For  
**C14220** .25 14c **\$1.26**  
**C14215** .5 18c **1.62**  
**C14216** 1.0 28c **2.52**  
**C14198**—Similar to above, but Dual; 2—.5 mfd., 2 leads. **41¢**  
**Your Cost** .....

## FORD V8 Condensers

Tailor made for Ford V8's.  
**C14219**—Type A. For V8 models up to 1936.  
**C14199**—Type B. For '37 to '41. 10 For **\$2.05**.  
**Your Cost Each, Either Type** ..... **23¢**

## MOTOROLA 65 and 70 Condenser

High voltage condenser. Consists of two .0008 mfd. 1000 volt units in a single housing. Four leads. Made by Sprague.  
**C14207**—**Your Cost** **32¢**  
 Each ..... **\$1.44**  
 5 For .....

## Ammeter Condenser

Eliminates noise in ammeter, horn, etc. 10 For **\$2.07**  
**C14218**—  
 Each ..... **23¢**

## Wheel Static Eliminator

Eliminates front wheel noise. Easy to install in each hub cap. All rust proof.  
**C5294**—  
**Your Cost Each** ..... **5¢**  
 10 For ..... **45c**

## "A" Line R.F. Filter

For eliminating interference coming through the "A" supply. This is tested by disconnecting antenna and noting whether interference persists. Fully shielded.  
**C14205**—**Your Cost** ..... **88¢**

# VIBRATORS FUSES DIAL BELTS

## LITTELFUSE and BUSS FUSES



Protect delicate instruments. Break circuit immediately on reaching blow point. Length 1" diam.  $\frac{1}{4}$ ". May be used on 250 volts, AC or DC. High Speed action. **Type 8AG**

Stock No.	Rating Amps.	Max. Load Ma.	Res. on 5 Ma. Load Ohms	Your Cost Each	Your Cost Doz.	V-M Ohms Per V.	To Protect Milliammeters
C12339	1/200	5	500	18c	\$1.95	over 1000	Galv.
C12385	1/100	10	110	<b>12¢</b>	<b>\$1.32</b>	1000	up to 0-1
C12386	$\frac{1}{2}$	25	20			500-1000	1-10
C12387	$\frac{3}{8}$	60	5			100-500	10-25
C12389	$\frac{1}{2}$	100	1.5			20-100	25-75
C12388	$\frac{3}{8}$	100	3	<b>9¢</b>	<b>\$1.00</b>	20-100	25-75
C12390	$\frac{3}{8}$	200	6.2			10-20	75-150
C12391	$\frac{3}{8}$	300	3.0			5-10	150-250
C12392	$\frac{3}{8}$	400	2.5			3-5	250-350
C12393	$\frac{3}{8}$	600	4			350-500	
C12394	1	1000	.24	<b>6¢</b>	<b>65¢</b>	500-750	
C12395	2	2000	.14			1000-1500	

## LITTELFUSES For Radio Sets and Amplifiers

**Type 3-AG. 1 $\frac{1}{4}$ " x  $\frac{1}{4}$ "**  
Approved.

No.	Amps.	No.	Amps.
C12378	1	C12396	$\frac{3}{8}$
C12379	$1\frac{1}{2}$	C12397	$\frac{1}{2}$
C12380	2	C12398	$\frac{1}{2}$
C12381	3	C12399	$\frac{3}{4}$

250 Volt Above, Each... **5¢**  
500 Volt Above, Each... **9¢**  
12 for... **54c** 12 for... **97c**

## Radio and Auto Fuses

**Type 3AG: 1 $\frac{1}{4}$ " x  $\frac{1}{4}$ "**  
Tins of 5. May be assorted for quantity price.

**C13189—Specify Amperage**

1 Amp.	Per 5	Per 100
2	<b>16¢</b>	<b>\$2.90</b>
3		
5		
10		
15		
20		
25		
30		

**10¢ \$1.80**

## LITTELFUSE Auto Fuses

**Type 3AG.**  
Ratings are at 251V. 1 $\frac{1}{4}$ " x  $\frac{1}{4}$ ".

Type	Amps.	Your Cost Each
C12320	5	<b>3¢</b>
C12321	10	
C12322	15	
C12323	20	

## Fuse Retainer

Two-piece connector of heavy metal, with fibre inside insulation. 2 $\frac{1}{2}$ " long. Powerful spring contact.

**C12372—Each... 8¢**  
12 For... **80c**

## "Jumbo" Fuse Retainer

2 $\frac{1}{2}$ " long by  $\frac{1}{2}$ " diameter. Replacement for Philco and Motorola. With bushings, springs, etc.

**C8349—Your Cost Each 17¢**  
12 For... **\$1.84**

## Bakelite Fuse Mounts

Sub-Panel Type Molded bakelite. 1" 6-32 studs. For instrument fuses only.

**C12382—Each... 12¢**

As above, but for 1 $\frac{1}{4}$ " x  $\frac{1}{4}$ " fuses (type 3AG). **C12327—Each... 12c**

## Panel Type

Molded bakelite. 1 $\frac{1}{2}$ " x  $\frac{3}{8}$ " x  $\frac{1}{8}$ ". For 1" instrument type fuses only. Plated fuse clips.

**C12383—Your Cost... 9¢**  
Same as above, but for 1 $\frac{1}{4}$ " x  $\frac{1}{4}$ " fuses (type 3AG). **C12324—Each... 9¢**

## Dial Cable "Thrift Spool"

Economical and practical assortment of popular types of dial cables. The handy 3-section spool contains 15 feet each of phosphor bronze cable, medium linen cord and special thin cord (total 45 ft.). Shpg. wt. 1 lb.

**C9879—Each... 97¢**

## MALLORY Replacement Vibrators



The listing below shows a complete line of Mallory 6, 12, 32 and 110V. vibrators. Noted for greater dependability and longer life. Easy to install. FREE a handy vibrator guide, C19993 with every purchase of a Mallory vibrator. Order by our stock number wherever possible. When in doubt, give make of set model number, tube lineup and type number of original vibrator.



No.	Type	Each	No.	Type	Each	No.	Type	Each
C6089	4.4	51.23	C6130	273C	53.88	C7289	743	53.50
C6106	210	5.29	C6167	273D	3.88	C7291	744	2.79
C6112	220B	2.82	C6132	277S	4.20	C7277	748	3.50
C6113	221	2.79	C7284	285XS	4.94	C6063	825	3.18
C6114	222	3.88	C6133	286S	3.88	C6108	826	2.79
C6165	224	4.94	C6135	292	2.44	C6065	F826	3.50
C6119	230	5.29	C6136	294	2.09	C6109	G826	3.50
C6096	245	3.50	C6084	294C	852	C7292	839	2.44
C7278	245A	3.50	C6087	294SW	2.09	C6083	850	2.09
C6088	245C	3.50	C6137	296	2.09	C6084	852, 294C	2.09
C7279	245SW	3.50	C6070	299	2.79	C6085	853	2.09
C7280	W245A	3.50	C6122	500P	1.76	C6086	854	2.09
C6097	246	3.50	C6170	501P	1.76	C7276	859	2.09
C7281	246A	3.50	C6093	505P	1.76	C6076	860	2.09
C7283	W246	3.50	C7285	506P	2.79	C6110	866	2.09
C6169	247	3.50	C6071	507P	1.76	C7294	868	2.09
C6098	248	3.50	C7286	508P	1.76	C7295	869	2.09
C6171	249	3.50	C7287	509P	1.76	C7297	870	2.09
C6120	G249	4.20	C6072	510P	2.12	C7296	901M	1.76
C6123	253	2.79	C6073	514	3.50	C6069	902M	1.76
C6124	253T	2.79	C6074	716	3.50	C6077	903M	1.76
C6125	253Y	2.09	C7288	722A	3.50	C6078	951P	3.70
C7282	264	3.50	C6062	725	3.88	C6079	952W	3.50
C6126	270B	4.20	C6064	G725	4.59	C6080	953W	3.50
C6127	271	4.20	C7290	728A	3.50	C6081	954	3.50
			C6107	742	3.50	C6275	1100	2.09

## J F D Woven Fabric Belts

Exact duplicate quality belts.

**IMPORTANT!** Order by Stock No. Give Belt No.

Belt Size	For	Belt Size	For	Belt Size	For
1	6 $\frac{1}{16}$ " Zenith	22	10 $\frac{1}{16}$ " RCA	49	15 $\frac{1}{16}$ " Zenith
2	7" Zenith	23	10 $\frac{3}{16}$ " RCA	50	16 $\frac{1}{16}$ " RCA
3	7 $\frac{1}{2}$ " Emerson	27	10 $\frac{5}{16}$ " Airline	51	16 $\frac{3}{16}$ " Airline
4	8" Belmont	28	10 $\frac{7}{16}$ " Zenith	59	8 $\frac{3}{8}$ " Emerson
6	7 $\frac{1}{2}$ " RCA	30	11 $\frac{1}{16}$ " Fada	60	8 $\frac{1}{2}$ " Zenith
7	7 $\frac{1}{2}$ " Belmont	30	11 $\frac{3}{16}$ " Grunow	61	7 $\frac{1}{2}$ " Emerson
10	8 $\frac{1}{16}$ " Fada	33	11 $\frac{1}{2}$ " RCA	62	8 $\frac{1}{2}$ " Emerson
11	8 $\frac{3}{16}$ " Emerson	34	11 $\frac{3}{8}$ " Sparton	63	9 $\frac{1}{16}$ " Airline
12	8 $\frac{1}{2}$ " RCA	37	11 $\frac{1}{2}$ " Fada	64	10 $\frac{1}{16}$ " Airline
13	8 $\frac{1}{2}$ " RCA	38	12 $\frac{1}{8}$ " Zenith	65	11 $\frac{1}{8}$ " Airline
14	8 $\frac{3}{8}$ " RCA	39	12 $\frac{1}{4}$ " Admiral	67	12 $\frac{1}{8}$ " Admiral
15	9 $\frac{1}{8}$ " RCA	40	12 $\frac{1}{2}$ " Zenith	68	17 $\frac{1}{8}$ " Admiral
16	9 $\frac{1}{4}$ " Zenith	41	12 $\frac{3}{8}$ " Fada	69	12 $\frac{1}{4}$ " Admiral
17	9 $\frac{1}{2}$ " Airline	42	12 $\frac{1}{2}$ " RCA	72	8 $\frac{1}{2}$ " Emerson
18	10 $\frac{1}{8}$ " Emerson	43	12 $\frac{3}{4}$ " RCA	76	9 $\frac{1}{8}$ " Zenith
19	10" Garod	45	12 $\frac{7}{8}$ " Silvertone	77	13 $\frac{1}{8}$ " Zenith
20	10 $\frac{1}{8}$ " Garod	46	13 $\frac{1}{4}$ " Zenith	79	11 $\frac{1}{4}$ " Zenith
		47	14 $\frac{1}{16}$ " Sparton	80	9 $\frac{1}{8}$ " Zenith
		48	15 $\frac{1}{16}$ " RCA	84	9" Zenith
			Arvin	87	16 $\frac{3}{8}$ " Admiral

C9909—(Specify Belt No.) Your Cost Each... **15¢**

## Special Dial Drive Spring Assortment

A handy kit for the serviceman. Box contains six different sizes of hard to get dial drive tension springs. Total of 25 springs in all. Offered at an unusually low price. Shpg. wt. 1 lb.

**C9892—Per Kit... 59¢**

## Drive Rubbers

Eight different types of friction drive rubbers for popular receivers including: Atwater Kent, RCA, Stewart Warner, etc. **Kit of 24 pieces.**

**C9400—Per Kit... 84¢**

## Linen Dial Cable

All types are of black woven linen exactly as used in most receivers. High tensile strength.

No.	Strands	Feet	Each
C9933	42	5	\$0.19
C9934	42	25	.70
C9935	42	50	1.32
C9872	42	100	2.35
C9936	16	5	.06
C9937	16	25	.22
C9938	16	50	.36
C9881	16	100	.65

Special Thin Cable		25 ft.	44c
<b>Light Cable</b> (approx. $\frac{1}{16}$ " diam.)			
C9942	5 ft.	18c	
C9943	25 ft.	65c	
C9944	100 ft.	\$2.35	
<b>Heavy Cable</b> (approx. $\frac{1}{8}$ " diam.)			
C9939	5 ft.	19c	
C9940	25 ft.	78c	
C9941	50 ft.	\$1.45	
C9882	100 ft.	2.65	

## Dial Drive Springs

High grade steel wire rust-proof springs. Five sizes take care of all requirements. Kit of 10 Assorted Springs (all sizes).

**C9890—Per Kit... 24¢**  
Kit of 10 Springs (small sizes only). **C9891—Per Kit... 24¢**

**KEEP BUYING MORE AND MORE WAR BONDS AND STAMPS**



# RADIO SERVICE NECESSITIES

## Air Drying Finishes



Now you can get professional appearing finishes in either crystal, wrinkle or chrome with these new air-drying finishes. Simply apply and let it dry for durable and lasting finish. Air-dry or bake on metal or wood. In 2-oz. and 8-oz. sizes.

- Wrinkle Lacquer (Crystal)**  
2 oz. 8 oz.
- |                  |            |
|------------------|------------|
| No. Each Color   | No. Each   |
| C15259 24c Black | C15309 73c |
| C15319 24c Gray  | C15387 73c |
| C15320 24c Brown | C15388 73c |
| C15380 27c Red   | C15389 73c |
- Wrinkle (Varnish) Finish**
- |                  |            |
|------------------|------------|
| C15381 27c Black | C15390 73c |
| C15382 27c Red   | C15391 73c |
| C15383 27c Gray  | C15392 73c |
- Telephone (Smooth) Finish**
- |                  |            |
|------------------|------------|
| C15384 21c Black | C15393 62c |
| C15385 21c Gray  | C15394 62c |
- Chrome-Like Finish**
- |                   |            |
|-------------------|------------|
| C15386 21c Chrome | C15395 56c |
|-------------------|------------|

## Color Coding Enamel



For color coding coils, terminals, etc. Green, blue, red, yellow and a bottle of thinner. Two brushes are included. Have your own system of color coding. Adds greatly to appearance.

**C15258—Your Cost..... 29¢**

## WALSCO Contact Cleaning Fluid

Prepared to clean tuning condenser springs, volume controls, band switches, etc. Prevents future corrosion of contacts. **With brush.** 2-oz. bottle.

**C15377—Each... 21¢**



## "WALSCOLUB B" Lubricant

New chemical that eliminates noise on bandswitches, controls, and other air exposed contacts. Superior to graphite. In a dispenser tube.

**C15378—Your Cost..... 26¢**

## Power Sprayer



Operates from the spark plug of any automobile. Will spray paint, lacquer—any free-flowing liquid. Complete with sprayer, pint jar, spark-plug air check valve, compression tank, set of adapters and 12-foot hose. Shpg. wt. 6 lbs.

**C14704—Your Cost. \$3.95**

## Touch-Up Sprayer

Designed to operate perfectly with very low pressure from spare tire or any other air container. Air-tight brass valve, adjustable brass spray tip, rubber hose and two 4-oz. jars. Very handy for touching up marred panels, cabinets and chassis. Shpg. wt. 3 lbs.

**C14705—Your Cost..... 90¢**



## KESTER Solder

Will not spatter. Preferred by servicemen and other large users. Flux in core. The aluminum solder is the flux-filled type and is furnished with cleaning material and instructions. 1/8" diameter.



	<b>Rosin Core</b>	<b>Acid Core</b>	<b>Alum. Solder</b>
Per Tin	C14857 \$0.17	C14878 \$0.17	C14876 \$0.17
1 lb. Spool	C14858 .64	C14877 .64	C14845 1.96
5 lb. Spool	C14859 3.00	C14879 3.00	

**KESTER Thin-Core Solder:** Rosin core. Dia. 1/8".  
**C14851—1 lb. Spool..... 67c** **C14852—5 lb. Spool..... \$3.15**

## Solder Paste, Flux and Tinning Bar



**NOKORODE Paste (top):** Non-corrosive paste. Fluxes all metals except aluminum without corroding or discoloring. Insures perfect soldered joint. Very economical to use.

**C15277—Per Can, Your Cost. 10¢**

**KESTER Paste Flux (center):** Non-corrosive. For clean, solid connections. In handy two-ounce can.

**C15278—Your Cost Each. 12¢**

**KESTER Tinning Bar (bottom):** Cleans and tins soldering irons speedily. Easy to use. In handy 1/4 pound bar.

**C14875—Your Cost Each. 15¢**

## NOKORODE Core Solder

Made of 20% tin and 80% lead. Superior paste used for flux. No. 10 gauge. Approximately 1 1/2 ounces.

**C14882—Your Cost. 7¢**



## "RAPID" Electroplaters



Small portable electroplating outfits for home or workshop. Easy to use. For replating jewelry, utensils, radio parts, etc. Each kit contains: 1 oz. of plating compound; 1 oz. of metal polish; 1 anode brush; battery wires with clips attached; full instructions. Require two No. 6 cells (not supplied). Wt. 1 1/2 lbs.

**C15359—Nickel Plating Outfit**  
**C15360—Copper Plating Outfit**  
**C15370—Cadmium Plating Outfit**

Additional 1-oz. bottles of compound (plate 125-175 sq. in.):  
**C15372—Nickel Compound** Each **C15375—Silver Compound**  
**C15373—Copper Compound** Each **C15374—Cadmium Compound** Each

**New Industrial Silver Plating Outfit**  
**For industrial use only.** Comprises 8-oz. Electrolyte, Sterling Silver Applicator, 4-oz. metal cleaner. Shpg. wt. 3 lbs.

**C15376—Your Cost. \$7.50**

## GENERAL CEMENT Radiomen's Needs

### Radio Chemical Kit

A complete kit of 8 chemical necessities in a neat leatherette pocket case. A handy kit for servicemen. Consists of the following necessities. Service Cement, Rubber Drive Cement, Carbon-X, Grafoline, Scratch Polish, Non Slip Compound, Dial Oil, and Contact Cleaner. An applicator is attached to the cap of each container to make it easy to use.

**C15529—Your Cost..... \$1.32**

### Felt-Koat "Flock Finish Kit"

Complete Flock Finish Kit for applying soft felt-like flock to phonograph tables, cabinets, testers, panels, displays, tool chests, compartments, lamp bases, wire mesh on speakers, and microphone grills, etc. Produces heavy soft velvet-like coat that prevents scratching. Easy to apply. DeLuxe Kit containing Brown flock, special applicator, undercoat, thinner and brush.

**C15528—Your Cost..... \$1.18**

### CARBON-X "For Noisy Carbon Controls"

A practical method to touch up worn and noisy spots on carbon controls. Just apply Carbon-X over the bad spots. Ideal for servicemen. Also an electrical conductor.

**C15531—1 oz. bottle..... 29c**  
**C15532—2 oz. bottle..... 44c**

### LUBE-REX

A contact cleaner that is ideal for attenuators, push button switches, etc. Cleans contacts and prevents corrosion. Moisture repellent, rust preventing and clings to metal. Excellent for Philco Mystery controls.

**C15533—2 oz. bottle..... 29c**  
**C15534—Pint..... \$1.32**

### Scratch Crayons

Package of Six Shades of Crayon Fillers to match practically all shades of wood. Special stain fillers. Merely select the filler of the proper shade and run it over the scratch or dent. Works fast.

**C15530—Your Cost..... 29c**

## Cabinet Repair Kits



Handy kit, ideal for radio shops, stores, trucks, etc. Small brushes in caps of all bottles make quick patching of damaged cabinets easy. Kit contains bottle each of: Ivory spirit enamel, light and dark, dark brown lacquer enamel, walnut spirit stain, polish renewer, French varnish; 3 sheets garnet finishing paper, steel wool, polishing cloth and instructions. Shpg. wt. 3 lbs.

**C15527—Your Cost. \$1.15**

**For use on plastic, bakelite or wood cabinets.** 9 shades of shellac sticks, bottles of light and dark oil stain, bottle of metal shading lacquer. Magic Scratch Remover, alcohol lamp, spatula, touch-up brushes, steel wool, etc. Very easy to use. Shpg. wt. 3 lbs.

**C15521—Your Cost..... \$2.06**

**Cabinet Touch-Up Kit:** Same as above, less Scratch Remover, shellac sticks, lamp and spatula (stains only). Ideal size and equipment for servicemen to keep in tool kit. Wt. 2 lbs.

**C15522—Your Cost..... 35¢**

**Handy Scratch Remover**  
A simple touch with the brush and blemish disappears. Touch-up wax on other end. Type A in Bakelite case with pocket clip. Type B in handy fibre carrying case.

**C15519—Type A. Ea. 29¢**  
**10 For..... \$2.80**  
**C15520—Type B. Ea. 22¢**  
**5 For..... 99c**

## Shellac Patch Sticks

For repairing cabinets. All are 7" long; in various shades.

**C15523—Light Walnut.**  
**C15524—Dark Walnut.**  
**C15525—Black. C15526—Maple.**

**Your Cost Each. 15¢**

## Plastic Cabinet Cement

Repairs Bakelite or Plaskon molded radio cabinets. Dries fast and holds securely.

**C15273—2 oz. bottle..... 32¢**

## DUCO Cement

Excellent for repairing speaker cones, cementing grille cloths, etc. Lots of 12..... 19c ea.

**C15257—Each. 21¢**

## Grafoline

Made for noisy controls, switches and wire wound controls. Eliminates noises.

**C15535—2 oz. .... 21c**  
**C15536—Pint..... \$1.18**

## Insulating Pitch

1 lb. can. **C14864—Ea. 29¢**  
1-gallon can. Wt. 12 lbs. **\$1.39**  
**C14865.**

# SOLDERING IRONS

## "AMERICAN BEAUTY" Irons

**100-Watt, Model 3138**  
America's most famous iron. Made for those who want the very best. Metal parts are heavily plated and highly polished. Length 12 1/4". With 3/8" tip and 6 ft. cord. **Stand supplied.** Shpg. wt. 2 lbs.  
**C15171—Your Cost \$5.29**  
**C15170—Extra tip for above. Each..... 37c**

**50-Watt, Model S76**  
A smaller "American Beauty" for soldering in corners and tight places. 1/2" tip. **With stand.** Shpg. wt. 2 lbs.  
**C15172—Your Cost \$3.31**  
**C15173—Extra tip for above. Each..... 23c**

## "AMERICAN BEAUTY" Stand

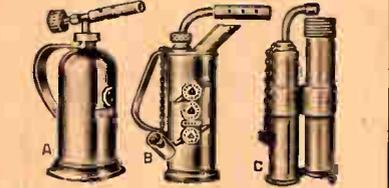
**Thermo-Static Control**  
For regulation of temperature of soldering irons. Thermostat is adjustable. Body of stand of molded plastic, with cord, plug and receptacle to connect iron. For 110 volts A.C. Shpg. wt. 3 lbs.  
**C15169—Stand only. Each \$3.64**

## OHMITE Soldering Iron Control Rheostats

Controls the heat of soldering irons, melting pots, and other heater loads. Their use with irons saves time, current, and tips, and prolongs the life of the heating element. Temperature can be increased above normal by using a 100 volt iron and the control on a 115 volt line when extra heat is required. Complete with cage, cord and series plug.

Stock No.	Iron-Pot Watts	Volts	Size Dia.	Ht.	Your Cost
C7344	40-65	115	3 1/2"	2"	\$ 4.26
C7345	85-100	115	3 3/4"	2"	4.26
C7346	120-150	115	3 3/4"	2 1/2"	5.38
C7347	175-220	115	3 3/4"	2 3/4"	5.88
C7348	300-350	115	4 1/2"	2 3/4"	6.88
C7349	430-500	115	7 1/2"	3 3/4"	10.00

## LENK Alcohol and Gasoline Torches



**Type A**—Compact, leak-proof torch for serviceman and home mechanic. Size: 6x2x1 1/4".  
**C14868**—Wt. 1 lb. Alcohol torch. **Your Cost, Each. \$1.30**  
**Type B**—Double burner torch—provides either broad or needle point flame. Cleansing pin in handle. 7x4 1/2x2 1/2". Wt. 3 lbs.  
**C14867**—Alcohol torch. **Each. \$2.93**  
**Type C**—Gasoline torch. Has flame control, shut off valve. 7 1/2" H. x 3" base Diam. Polished Brass. Cap. 3/4 pint. Wt. 2 lbs.  
**C14855**—Your Cost. **\$1.79**  
**C14856**—Same but for alcohol. **Each. \$1.96**

## LENK Torch Fuel

No sediment in fuel prevents carbon deposit on wick. Eliminates corrosion.  
**C14860**—16 Oz. can. **Each. 39c**  
**C14890**—Quart can. **Each. 69c**  
**Shipped by Express Only.**

## Snap-On Iron Holder

Fits all makes and size irons. Snaps on barrel of iron, raises it 2" from bench. Can be left on constantly. Prevents fire damage.  
**C15276**—Your Cost. **26c**

## DRAKE Industrial Irons

**Underwriter's Approved**  
**200 Watt**

No. 800. Recommended for general factory soldering, art glass and medium tin work. 6-ft. cord. Ideal for auto work, lamp wiring, and home repairs. Shpg. wt. 3 lbs.  
**C15550**—3/8" tip. Complete with stand. **Your Cost \$6.00**

**100 Watt**

No. 600 Suggested for switchboards, radio and other light manufacturing uses. Complete with 6-ft. cord and "Magic Cup" stand. Shpg. wt. 2 lbs. 3/4" tip.  
**C15551**—Your Cost. **\$4.50**

## DRAKE DeLuxe Irons

**100 Watt**

No. 325. Recommended for general radio work. Highest quality Nichrome wire wound on amber mica. Complete with 6 ft. heater cord rubber plug and "Magic Cup" Stand. Nickel plated. Shpg. wt. 1 1/2 lbs. 3/8" tip.  
**C15162**—Your Cost. **\$2.44**

**200 Watt**

No. 425. For all medium heavy work. Highest quality Nichrome wire wound on amber mica. Ideal for auto work, lamp wiring, home repairs, etc. 6-ft. cord and stand. Nickel plated. 3/8" tip. Wt. 2 lbs.  
**C15552**—Your Cost. **\$4.85**

## DRAKE Compact Iron

Smallest industrial iron, for tight corners and delicate instrument wiring. Measures 9" and weighs only 9 oz. **60 watts** with 1/2" tip. With 6-ft. cord and Magic Cup stand. **Underwriter's Approved.** Wt. 1 lb.  
**C14835**—Your Cost. **\$2.65**

## DRAKE Heat Control

Allows constant temperature at all times. Individual temperature control. Use wherever it is necessary to keep an iron ready for instant use, such as test benches, labs, etc. Wt. 3 lbs.  
**C15553**—Your Cost. **\$2.65**

## ESICO Solder Pots

**200 Watt Model.** Ruggedly constructed and not top heavy. May be screwed to benches where there is a possibility of being hit or jarred. Capacity 1/2 lb. 1 1/2" x 1 1/2". Overall height 4 1/2". Wt. 3 3/4 lbs.  
**C15554**—Your Cost. **\$4.41**

**325 Watt Model.** Same construction as above. Special feature for both types is a pilot light which indicates when pot is heating. Capacity 3/4 lb. 3 1/2" x 1 1/2". Overall height 4 1/2". Wt. 5 1/4 lbs.  
**C15555**—Your Cost. **\$6.37**

## ESICO High Quality Soldering Irons



Preferred by technicians everywhere. All are constructed of the finest materials and will give long, dependable service. High grade elements are wound on finest mica insulation. **Underwriter's approved.** Furnished with 6-ft. cord set. For a.c. or d.c. All models are supplied **WITH STAND.** Shpg. wt. 3 lbs. each.

**With Screw-In Tips**

Soldering Irons		Tip Dia.	Your Cost	Extra Stock No.	Tips Your Cost
C14848	65	3/8"	\$1.15	C14847	28c
C14854	100	3/8"	1.73	C14847	28c
C15174	150	3/8"	2.94	C15175	35c

## Constant Duty Models

Plug-tip irons especially designed for use in constant duty at factories, labs, etc. For 110 volts a.c. or d.c. Wt. 4 lbs.

Soldering Irons		Tip Dia.	Your Cost	Extra Stock No.	Tips Your Cost
C15190	110	3/8"	\$3.23	C14903	28c
C15191	130	3/8"	4.55	C15168	39c

## ESICO Thermostatic Control Stand

Use of this unit makes it impossible to overheat iron. Iron can be maintained at any desired temperature while in stand. When removed from control, full current is applied to iron. **For irons with up to 1" diam. tips.** Wt. 3 lbs.  
**C14885**—Stand Only. **Your Cost \$3.82**

## Compact Pencil-Type Irons

Compact and light weight. Has insulated handle and cork finger guard. With 6-ft. cord, plug and removable tip. Rated at 25 watts. Shpg. wt. 2 lbs.  
**C15155**—10 V. a.c. or d.c. **\$1.35 Each**  
**C15156**—For 6 V. operation.  
**C15154**—40 Watt, Heavy-Duty Iron. For 110-120 volts, a.c.-d.c. **Your Cost Each. \$1.70**

## Truest "Special" Irons

Sturdily constructed. Resistance wire elements wound on porcelain tubes. 60-watt iron furnished with one 3/8" screw-on tip; 75-watt iron with one 3/8" screw-on tip; 100-watt iron with one 3/8" plunger-tip. 6-ft. cord.  
**C14892**—60-Watt Iron. **79c**  
**Your Cost, with 2 tips..... 99c**  
**C14894**—75-Watt Iron. **99c**  
**C14893**—100-Watt Iron. **\$1.50**

## Soldering Iron Tips

Replacement plunger type tips of quality copper.

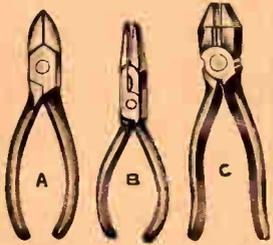
Stock No.	Iron	Size	Your Cost
C15166	60-75 w.	5/16x2 1/8"	27c
C14903	85-100 w.	3/8x4 1/2"	28c
C15168	115-150 w.	3/8x3 1/2"	39c

**The items listed on this page are available on priority only. To expedite delivery on your orders, please include your highest authorized rating.**

**We can supply any replacement element for items listed on this page at usual standard discounts from the list price. Write for information.**

# QUALITY TOOLS FOR

## Kraeuter Pliers



The line of tools listed below are from the Kraeuter "Standard" series, and are not to be confused with the lower priced "K" series. All are drop forged from extra high grade steel, and have the famous "blue temper" finish. Stand up under severe service.

### Diagonal Cutting Pliers

A—Cutting jaws meet perfectly.  
No. Length Your Cost  
C14942 4 1/2" \$1.13  
C14944 6" 1.43

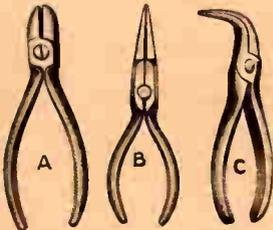
### Long Nose Pliers

B—For the hard to get at places. Side cutting blade will stay sharp.  
No. Length Your Cost  
C14945 5" \$1.20  
C14945 6" 1.28

### Electrician's Cutters (C)

Modified electrician's pliers with fitted lap joint, hardened cutters.  
No. Length Your Cost  
C14935 6 1/2" \$1.20  
C14936 8" 1.43

## Genuine KLEIN Pliers



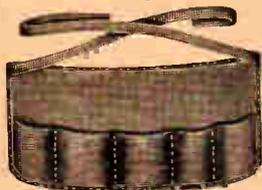
Finest alloy tool steel. Individually tempered to assure long-life cutting edges.

C15223—(A) Oblique Cutting Pliers with Wire Stripping Notch. Lap joint; narrow head. 5" long. Shpg. wt. 3 lbs. **\$2.50**  
Your Cost.....

C15221—(B) Long Nose Side Cutting Pliers. Pointed slender nose—sharp cutters. 6" long.

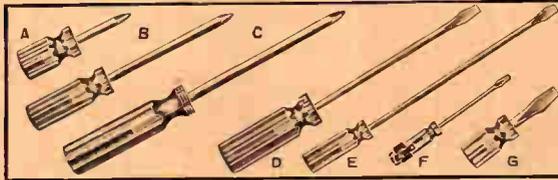
C15224—(C) Long Curved Nose Pliers. Very useful in close quarters. 6" long.  
Either Above type. **\$2.75**  
Your Cost, Each...

## Tool Apron



A handy work apron with five various size pockets for tools. Sturdy canvas, trimmed with heavy binding. Ideal for the shop, lab., etc.  
C15518— **48¢**  
Your Cost.....

## Amber Handle Screwdrivers



Phillips screwdrivers used for recessed head screws. Rustproof tool steel blade. Unbreakable, shockproof handles designed to provide a good grip.

C15502 (A)—"Stubby" 1 1/2". Extra short for close-up work. For No. 5 to 9 screws. **Your Cost, Each** 45¢  
C15501 (B)—2 1/2" blade length. For No. 4 and smaller screws. **Your Cost, Each** 38¢  
C15500 (C)—4" blade length. For No. 5 to 9 screws. **Your Cost** 53¢  
C15503 (D)—5 1/2" blade length 3/16" Diam. For No. 10 to 16 screws. **Your Cost, Each** 79¢

Powerful, rustproof screwdrivers with tool-steel blades accurately ground to fit screw slot. Unbreakable transparent amber handles.  
C15507 (G)—"Stubby" 1 1/2". Blade. 3/4" handle diam. **Each** 15¢  
C15508 (F)—Heavy duty "Stubby" 1 1/2". Blade. 1" handle. **Each** 38¢  
C15511 (E)—Handy pocket size with clip. 2 1/2". Blade. **Each** 11¢  
C15509 (D)—3 1/2". Blade. 3/16" Diam. **Your Cost, Each** 19¢  
C15510 (C)—3 1/2". Blade. 1/8" Diam. (not shown) **Your Cost** 23¢  
C15512 (D)—4 1/2". Blade. 1/8" Diam. **Your Cost, Each** 34¢  
C15506 (E)—5" Blade 1/8" Diam. **Your Cost, Each** 26¢  
C15504 (D)—6" Blade 1/8" Diam. **Your Cost, Each** 38¢  
C15505 (E)—6" Blade 3/16" Diam. **Your Cost** 30¢

## Amber Face Hammers and Mallets



Mallets are of solid unbreakable amber securely fastened to hickory handles. Hammer has amber faces fitted to metal shank and hickory handle. In the use of pre-finished metals used by machinists and sheet metal workers, etc., these units find ready acceptance, not only as a substitute for scarcer hammers, but to perform better work in many applications. If amber heads are marred at any time they can be repeatedly ground down smooth.

### Amber Face Hammers (B)

C15541—1" amber face. Ea \$0.63  
C15542—1 3/16" amber face. Ea. \$0.81  
C15543—1 1/2" amber face. Ea. 1.65

### Curved Mallets (A)

C15544—3/4" Diam. **Your Cost** \$0.63  
C15545—1" Diam. **Your Cost** .81  
C15546—1 1/4" Diam. **Each** .99

### Straight Mallets

C15547—1 1/2" Diam. 8 oz. **Your Cost, Each** \$1.35  
C15548—1 3/4" Diam. 10 oz. **Your Cost, Each** 1.80  
C15549—2" Diam. 13 ounce. **Each** \$2.25

## XCELITE Nut Drivers



**Shockproof—Unbreakable**  
Genuine transparent amber XCELITE handles—will protect against 5000 volts. Hollow shafts for long studs. Deep enough to handle two nuts at once. Overall length 6".

C15330—For 3/16" hex nut.  
C15328—For 7/32" hex nut.  
C15331—For 1/4" hex nut.  
C15332—For 5/16" hex nut.  
C15333—For 11/32" hex nut.  
C15334—For 3/8" hex nut.

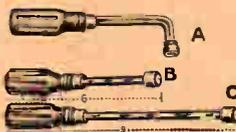
Any Above Type— **42¢**  
Your Cost, Each.....  
C15335—For 7/16" hex nut.  
C15336—For 1/2" hex nut.

Either Above, **54¢**  
Your Cost, Each.....

### Hollow Shaft Type

Invaluable for installing and removing volume controls and other panel equipment. Permits removal of nuts from volume controls with up to 3 1/4" shafts.  
C15344—For 1/2" hex nut **69¢**  
C15329—For 3/16" hex nut..... 78¢

## HEX-NUT Wrenches Straight & Offset



Firm grip, ribbed wooden handles. Heavily plated shanks. Straight types, 6" and 9" long. Offset types are 7" overall. Take standard hexagon nuts. Shpg. wt. each 8 oz. Set of 6 wrenches 3 lbs.

### Size 7" Offset (A)

3/16" C15206  
7/32" C15207  
1/4" C15208  
5/16" C15212  
3/8" C15213  
1/2" C15214  
C15215—Set of 6..... \$1.36

**25¢**  
each

### Size 6" Straight (B)

3/16" C15203  
7/32" C15051  
1/4" C15052  
5/16" C15053  
3/8" C15054  
1/2" C15204  
C15205—Set of 6..... \$1.16

**22¢**  
each

### Size 9" Straight (C)

C15209  
C15107  
C15109  
C15108  
C15110  
C15210  
C15211—Set of 6..... \$1.36

**25¢**  
each

## Neon-Light Screw Drivers

Quality screw drivers with neon lamp built into amber Pyroxilin handle. For R.F. and spark plugs.  
C15348—4 1/4" long. **Each** 24¢  
C15349—7" long. **Each** 59¢

## ICA Flexible Screwdriver



Strong, unbreakable, flexible shaft and insulated movable screw locator finds slots of screws, 8 3/4".

C15062— **\$1.32**  
Your Cost

## "RHINO" Screwdrivers with Amberlite Handles



Finest screwdrivers, for electrician's use. Chrome-Vanadium blade over half-way into Shock-proof Amberlite handle.

C15345—3x3/16" blade. **Each** 28¢  
C15346—6x3/16" blade. **Each** 40¢  
C15347—8x3/16" blade. **Each** 45¢

## VACO "Amberly" Radio Screwdrivers



Transparent amber colored plastic handles. Oil tempered tool steel blades. Rust-proof, unbreakable, shock-proof. Blade diameter small enough for radio set screws.

Screw No.	Blade	Each
C15324	1/8x4"	35¢
C15325	1/8x6"	35¢
C15326	1/8x8"	39¢

## VACO "Amberly" Pocket Screwdrivers



Transparent amber colored plastic handles. Tool steel blades; shock-proof construction. 3" long with pocket clip.

C15323— **Each** 15¢

## "Grip" Screw Drivers



Gripper holds screw and slides up out of the way when not in use. Instant release after screw is driven. Fine for tight places. Tempered steel blades. Amber plastic insulated handles.

No.	Blades	Each
C14710	2x3/8"	23¢
C14721	4x3/8"	43¢
C14722	10x3/8"	46¢

## Phillips Recessed Head Screw Drivers

Many sets now use this type of screw requiring this new model driver. Sturdy sure-grip wood handles. Shpg. wt. 1 lb.

Stock No.	Size	Length	Your Cost
C15251	up to 4	6 3/4"	24¢
C15252	5 to 9	8 3/4"	27¢
C15253	10 to 16	11 1/2"	31¢

## Phillips Offset Screwdriver

A very handy alloy steel offset screwdriver. One end for Phillips No. 1 size; other end for Phillips No. 2 size.

C15255— **35¢**  
Each

# WORKSHOP and FACTORY

## Vernier Sliding Caliper 5" Rule With Depth Gauge



Precision made of fine tool steel. Highly accurate. 5" rule graduated in 16ths and 32nds. 5" depth gauge. Vernier caliper has lock nut. Has sharp pointed projections for accurate dividing, scribing, etc. A highly important measuring tool. Wt. 1 lb.

**C15027—Your Cost, Each... 98c**

## Slide Caliper Rule



Inside and outside diameters up to 3 inches, in 1/16 and 1/32". Knurled locknut. Wt. 8 oz.

**C14891—Your Cost... 12c**

## Handy Steel Rule



### Depth Gauge

A handy, accurate pocket rule for quick measurement. Made of steel, with pocket clip for depth measurements. 6 inches long, graduated in quick reading 64ths.

**C14996—Your Cost, Each... 9c**

## Steel 6" Rule With B & S Wire Gauge



Front graduated in quick reading 32nds and 64ths; also has American or B&S wire gauge for sizes from No. 8 to No. 20. Back has B&S wire gauge decimal equivalents. In leather case.

**C15007—Each... 25c**

Same as above, but without wire gauge. 3/4" wide.

**C14382—Each... 23c**

## Drill and Wire Gauge



Highly accurate—of hardened and tempered steel. Clear, easy-to-read numerals. Drill, tap size and decimal equivalents of each. Pocket size.

**C14997—Each... 95c**

## Multi-Use Rule and Gauge



Four inch quick-reading 32nd and 64th inch scale, drill point gauge, square, bevel protractor, center finder, circle divider, tap drill table. Tempered steel. Leather case.

**C14998—Your Cost... 95c**

## DIETZGEN Slide Rules



Apprentice slide rule (Maniphase type). 10" graduations on hard wood and finished in natural grain with clear lacquer. Reverse side of rule has inch scale on one edge and millimeter rule on other. Back of rule contains special set of conversion tables as well as decimal equivalent chart. Supplied with imitation leather case and instructions.

**C14888—Each... 69c**

National Slide Rule. Like above. High quality white surface.

**C14889—Each... 89c**

## DeLuxe HANDEE Grinder



Will drill, grind, polish, cut, carve, saw and engrave on all materials. Fits the hand, yet incorporates a powerful highspeed motor (25,000 RPM) which is practically troubleproof. Ball bearing construction with packed-in lubrication, enclosed motor, built-in switch. Operates on 110-120 volts 25-60 cycles AC or DC. Supplied with 1/8" spring collet chuck.

DeLuxe HANDEE outfit, complete with 27 fine accessories and contained in a steel carrying case. Accessories include: rubber polishing wheel with mandrel; saw with mandrel; slitting saw; two steel cutters; three drills; push-pin mandrel; steel wire cavity brush; bristle brush; wire scratch brush; rubber disc with mandrel; felt polishing point with mandrel; rubber polishing point with mandrel; felt polishing wheel; drum sander and three bands; disc cleaning brush; mounted wheels (six); wheel dressing stone; vial of speed oil; dozen assorted sandpaper discs. Shpg. wt. 8 lbs.

**C15263—No. 3010. Your Cost... \$21.25**

**C15624—No. 3011. Same as the above, but with 26 assorted Mounted Wheels for industrial application only. \$21.25**

**Your Cost... \$21.25**

**C15354—De Lux HANDEE, complete with 7 accessories as follows: 3/8" Collet; 5 Wheels; 1 Rubber Polishing Wheel; 1 Wheel Dressing Stone. Speed 25,000 r.p.m. No. 3008. Each... \$15.72**

## HANDEE Industrial Hi-Power Grinder



This fast, powerful and sturdy grinder is built to work all day long, and yet it is so compact and convenient that it may be used on scores of applications. The tool is 10" overall, including chuck, with a total weight of 3 lbs. Speed is 17,000 RPM, with ample power to drive 2 3/4" diameter wheel. Precision ground bearings are grease-sealed, packed to last the life of bearing. Interchangeable spring collet type chuck has capacity of 1/4" and 3/8". Sturdy cast housing is completely insulated, with cushion grip to eliminate vibration and to avoid fatigue. Comes with wooden carrying case, 3 mounted wheels, 1x1" drum sander with two extra bands, wheel dressing stone, and chuck wrenches. For operation on 110-120 volts, 25-60 cycle AC or DC. Shpg. wt. 4 1/2 lbs.

**C15265—Your Cost... \$32.72**

## Black & Decker 1/4" Ball Bearing Drill

A streamlined, pistol-grip drill with special ball spindle bearing, splined spindle gear mountings, ball bearings, 12-tooth pinion gear and screened air vents. Has 3 jaw Jacobs threaded chuck and key, which will handle drills up to 3/4". Capacity in steel, up to 1/4" thick; in hardwood up to 1/2" thick. Universal AC-DC motor has no load speed of 1700 RPM, full-load speed of 900 RPM, 2-pole automatic-release trigger switch mounted as a unit with cord protector. Has three wire cable and plug. Ideal for regular 1/4" production drilling. Operates on 110 volts AC or DC. Overall length 6 3/4". Spindle offset 3/4". Shpg. wt. 4 1/2 lbs.

**C14707—Your Cost Each, \$32.50 Less 2%... \$31.85**



## BURGESS Vibro-Tool



This light weight but sturdily constructed tool, built by the makers of the famous Burgess batteries, uses vibration principle, delivering 120 vertical strokes per second, to file, chisel, hammer, or groove soft metals, for cutting wood, cardboard and textile patterns, and for marking lines on glass, drilling glass, etc. Even hard tool steel may be easily marked by using tungsten needle. Indispensable for cleaning metal moulds and forgings. Supplied complete with package of 20

needles for glass, engraving, stencil work, and heavy lines in hard material. For operation on 117 volt 60 cycle AC only. Shpg. wt. 3 lbs.

**C15620—Your Cost, Each... \$7.35**

## BURGESS VIBRO-TOOL ACCESSORIES

**Vibro-Tool Converter.** Provides 50% increase in power. Operates Vibro-Tool at higher or lower speeds and allows variety of interesting techniques and results not possible with the Vibro-Tool alone. For 117 volt 60 cycle operation only. Wt. 3 lbs.

**C15621—Your Cost... \$6.81**

**Knife Attachments** for cutting into thin wood, cardboard, etc.

**C15626—Narrow knife, cuts up to 1/2" thickness. Pkg. of 5... 49c**

**C15627—Wide knife, cuts up to 3/8" thickness. Pkg. of 5... 49c**

Pkg. of 3 blunt hammering tips for leather or thin metals.

**C15628—Your Cost... 24c**

**Vibro-Tool Etcher Attachment.**

For etching on tools and hard metals. Use with Vibro-Tool listed above. Will not operate in any other manner. For 117 volt 60 cycle operation only. Shpg. wt. 2 lbs.

**C15622—Your Cost... \$6.32**

**Extra Needles.** Pkg. of 20 asst'd. needles for metal, plastics or any soft to medium hard materials.

**C15629—Your Cost... 15c**

**Tungsten Point** for hardened tool steel, and continuous work on all metals without resharpening.

**C15630—Your Cost... \$1.96**

Set of 5 cutters for wood carving.

**C15631—Your Cost... 64c**

## Geared Chuck For Drills



7 to 1 geared chuck to use drills up to 1/2" in your small electric drill. Shpg. wt. 4 lbs.

**C14698—\$7.65 Each**

## Tap, Drill and Die Set



Contains three 1" diameter dies (4-36, 6-32, 8-32) with the stock; three taps (4-36, 6-32, 8-32) and 3 matching tap drills for these taps. Tap holder also included. All housed in natural mahogany case. Shpg. wt. 3 lbs.

**C14994—Your Cost... \$1.89**

## Taps, Wrench and Drills Only

Three taps (4-36, 6-32, 8-32), three matching tap drills and tap wrench in wood case. Shpg. wt. 2 lbs.

**C14995—Your Cost... \$1.35**

## Hand Drill

Well balanced hand drill with 1/2" hardened chuck jaws. Accurately meshed gears. Polished hollow handle for storing drills. A much needed tool on the radio work bench. Handle top threads on to body. High speed gears. Shpg. wt. 3 lbs.

**C14723—Your Cost... \$1.15**



## Set of 9 Assorted Steel Drills



Sizes 1/16" to 3/16". Good fast cutting steel. Correctly

ground. Will hold edge. Popular sizes for radio work. In hard wood box.

**C14708—Your Cost... \$1.10**

## Drill Stand

Holds complete set from No. 1-No. 60.

**C17277... 35c**



## Tool Steel Reamers

Made of heat treated steel.



**C15049—1/8" to 1/4". 5 1/2" overall with "T" handle.**

**C15050—Same but for Bit Brace.**

**Either Type Above, Each 69c**

**C15048—3/8" to 1". 6 1/2" overall. "T" handle. Each... 98c**

## CAN'T-ROLL Center Punch

Tempered steel with large head and knurled grip. Square head will not roll. Length 4 1/4", diameter .325". Shpg. wt. 1 lb.

**C14999—Your Cost... 10c**

## Expansion Bits



Fine quality.

**C15116—3/8" to 1 1/2". \$1.10**

**C15117—1/8" to 3". \$1.25**

# TOOLS and BENCHES

## WALSCO Staple Driver



For neater, faster jobs on all wire and cable installations. Reaches places inaccessible with hammer and ordinary staples. Attaches staples to any surface. Light weight, rustproof construction. Staples wires up to 3/4" diam. Single stroke with palm of hand drives staple home. Fully automatic. Magazine stores 24 staples when loaded. **C15091—Staple-Driver**, with one box of 250 staples. Wt. 2 lbs. **Your Cost.....\$3.33**

## WALSCO Steel Staples

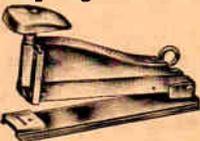


Made of carbon tool steel. In strips especially made for the WalSCO Staple Driver. Inside coated with special clear insulating lacquer. Brown color. **C15093—Box 250.....28¢**  
**C15099—Box 1000.....\$1.08**  
**C15100—Box 5000.....\$4.90**

## WALSCO Rubber Cap

Covers plunger head and makes it easier on the hand to drive staples into hard surfaces. **C15090—Each.....19¢**

## Combination Tacker and Stapling Machine



A quick, handy tacker that is exceptionally convenient for tacking on grille cloth, attaching light wire or spaghetti, labels, etc. In addition to its use as a tacker it can also be used as a regular office or home stapling machine for clipping papers, receipts, checks, etc. Precision built, of steel with fine black finish. Complete with 100 staples. **C15280—Your Cost.....71¢**  
**C15281—Box of 1000 Staples. 26¢**

## Wire Stripper

Tempered steel cutting edge. **Wt. 1 lb. C15044—Your Cost.....12¢**

## Automatic Wire Stripper



Sensational new stripper that strips all types of wire instantly! Just press the handles and the job is done. Pocket size, fast (up to 1000 wires per hour), positive acting. Works on wire ends or any place along wire. Clean working, without damage to any kind of wire, stranded or solid. Shpg. wt. 2 lbs. **C15537—For sizes 12 to 20 wire. C15538—For sizes 14 to 24 wire. Your Cost.....\$3.53**  
 Also available for 8-10 and 10-18 wire; and for aviation wires.

## GENERAL PURPOSE CIRCLE CUTTERS



Provides an easy, accurate method for cutting clean circular holes in brass, aluminum, steel, wood, Bakelite, etc. Of fine heat-treated steel. Used with ordinary hand brace or slow speed drill press. All American-made.

Stock No.	Type No.	Cuts Hole	Shank Style	Type Work	Your Cost
C14720	JR	5/8" to 2 1/2"	Round	Light	\$0.78
C14711	4	3/8" to 4"	Round	Medium	1.30
C14713	5	1" to 5 1/2"	Round	Heavy	1.88
C14715	5	1" to 5 1/2"	Square	Heavy	1.88
C14717	1†	3/8" to 4"	Round	Medium	1.88
C15069	5	1 1/4" to 8"	Square	Ex. Heavy	3.53

\*Not illustrated.

†Has extra beading cutter.

## Replacement Drills and Blades

**C15068—Drill for use with C15069. Your Cost.....35¢**  
**C14716—Blade for use with all above except C15069 and C14720. Your Cost.....27¢**  
**C15070—Blade for use with C15069. Your Cost.....50¢**

## GREENLEE Punches

Driven by screw action, this handy tool quickly cuts clean accurate holes for sockets, plugs, etc., in radio chassis. Only necessary to drill 3/8" or 1/2" hole to fit 3/8" cap screw; 3/4" or larger hole to fit 3/4" cap screw. Each size tool consists of the punch, die for supporting the metal and cap screw. Shpg. wt. 2 lbs.



**C15131—3/4" Complete C15132—3/8" Complete**

Either Above, **\$1.72** Each.....

**C15135—Screw for 3/4" and 3/8" Punches. Each.....20¢**

**C15136—1" Complete.....\$1.88**

**C15138—1 1/4" Complete C15139—1 1/2" Complete C15140—1 3/4" Complete C15141—1 1/2" Complete**

Any Above, **\$2.00** Each.....

**C15142—1 3/8" Complete.....\$2.28**

**C15143—1 1/2" Complete.....2.56**

**C15118—Screw for 1" to 1 1/2" inclusive. Each.....20¢**

**C15146—2 1/4" Complete.....\$4.96**

**C15147—Screw for 2 1/4" Punch 40¢**

## ICA Metal Chassis Shearing Punch

Cuts any size odd shape hole (square, rectangular, hexagon, etc.), on any size panel or chassis. Only hammer is necessary. Can be used in a punch press. Wt. 5 lbs. **C15067—Each.....\$8.82**

## Flexible Hack Saw Blades

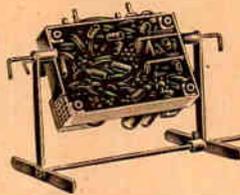


Extra hard. Extra flexible. Longer life. Scientifically heat treated for hardness and flexibility. For all standard frames. Shpg. wt. approx. 1 lb. per doz. All are 1/2" wide and .025" thick.

Stock No.	Length	Teeth*	Each	Doz.
C17273	10"	18	6c	60c
C17274	10"	24	6c	60c
C17275	12"	18	7c	72c
C17276	12"	24	7c	72c

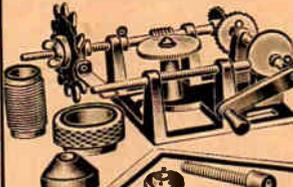
\*Number of teeth per inch.

## ACRO Chassis Cradle



Holds any radio, amplifier, power supply, etc. chassis in any desired position for testing, repairing or counter demonstration. Special clamps (supplied) grip chassis firmly and leave hands free for work. Built of steel. 28 1/2" L., 15 1/2" W., 12" H. Shpg. wt. 5 lbs. **C15071—With clamps. Your Cost.....\$4.75**  
**C15072—Extra Clamps (Pair) \$2.45**

## Deluxe Coil Winder



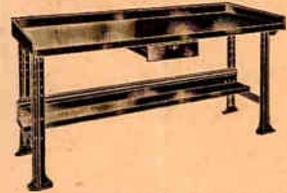
Will wind honey comb, spider-web, or solenoid coils of various widths and diameters equal in appearance to factory made coils. Includes all accessories for winding the various types. Has recorder and indicator that counts turns. Instructions included. Shpg. wt. 6 lbs. **C14725—Your Cost, Each.....\$4.95**

## WHALE Hack Saw



A very popular and sturdy hack saw. Solid frame that will give years of service. Tenite Handle. Adjustable for 8" to 12" blades; blade may be faced in four directions. Nickel-plated stock. 1657x 3/8"; depth 3". Complete with 10" blade. Excellent addition to radio mechanics' and electricians' tool-box. Shpg. wt. 2 lbs. **C17282—Your Cost.....72¢**

## LYON Industrial Benches and Stands



A definite advancement in steel bench design and construction. Heavy gauge steel legs formed to a T—2 3/8" wide and 2" deep assure rigidity and unusual strength. Floor plates 6"x2", attached with four heavy rivets. Legs attached to bench top through special wood attachment blocks which reduce noise. Finished in green baked enamel. 34" high 60" long and 34" deep. With 12"x16"x4" drawer, shpg. wt. 206 lbs. **C22412—Your Cost \$21.31**  
 Without drawer, shpg. wt. 196 lbs. **C22413—Each.....\$18.42**

## Lyon Arc Welding Bench



Bench tops are 10 gauge steel. Shelf back stop and 32" dividers form four compartments 3" wide for welding rods. Front of shelf for welding blocks. Legs and end cross-members are welded into a single unit for easy erection and positive rigidity. Shield 35" high sets inside flange and bolts securely. Finished in green baked enamel. 37" W. x 28" D. x 66 1/2" H. Shipped knocked down. Shpg. wt. 98 lbs. **C22411—Your Cost.....\$19.40**

## Lyon Tool Cabinet



Convenient for locking up valuable tools, dies, precision instruments and drawings. 3 stationary shelves in addition to top and bottom trays. Holds larger tools than tool stands and Toters and has more enclosed space. Has padlock hasp—built in flat key lock extra. Finished in green baked enamel. 21 1/2" W. x 15 1/4" D. x 34" H. Shipped set up. Shpg. wt. 75 lbs. **C22410—Your Cost.....\$11.76**

Catalog on full line of LYON Industrial equipment available on request.

## Amber Handle Wood Chisels



Unbreakable amber handle beveled wood chisels.

No.	Blade	Each
C15514	3/8"	47c
C15515	3/4"	56c
C15516	1"	65c

Set of three packed in box. Shpg. wt. 2 lbs. **C15517—Your Cost.....\$1.59**

# TRINDL

# INDUSTRIAL SUPER ARC WELDERS

Model 125-A



Ideal for industrial plant maintenance work, for garages, agricultural machinery repairs, machine shops, etc. Can be operated by anyone following simple instructions supplied. Further technical data and information on priority requirements supplied on request.

- ★ Simple to Operate
- ★ Positive Quick Starting Arc
- ★ No Magnetic Blow
- ★ Vented for Cool Operation

- ★ Flexible Smooth Arc
- ★ No Wearing Parts
- ★ Vernier Arc Control
- ★ Portable and Compact

### MODEL 125A

Welds materials up to 1/2" thick, and as light as 20 gauge. Handles 1/16" to 3/32" welding rods. Vernier Type Arc Control has 16 heat stages ranging from 10 to 125 amps. maximum, 110 amps. continuous. Fully equipped with leadshield, electrode holder, welding ground and power cables, "C" clamp, welding rods and simplified welding instructions. Size: 10 1/2" H. x 15 3/4" W. x 10 1/4" D. Shpg. wt. 90 lbs. C25630—For 110 V. 50-60 cycles A.C. C25631—For 220 V. 50-60 cycles A.C. Either Model Above, **Your Cost \$56.84** C25632—110-220 V.A.C. . . . \$66.64

**MODEL 260A**  
Appearance similar to Model 360-A. For heavy work; farm machinery, high speed industrial welding in tank and job welding shops, sheet metal shops, iron works, mills, foundries, factories, etc. Designed for continuous operation. 36 heat ranges from 20 to 260 amps. Handles 1/16" to 3/8" welding rods. Ready for immediate use. Fully equipped with headshield, electrode holder, welding and ground cable, "C" clamp, welding rods and detailed welding and operating instructions. Shpg. wt. 295 lbs. For 220 V.A.C. 38" H. x 25" W. x 19" D. C25633—**Your Cost \$171.50**

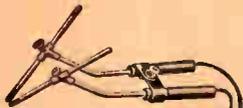
### MODEL 360A

For high speed, heavy duty, maintenance, construction and production on structural steel frames, castings, etc. Will burn 3/8" rod. 36 heat ranges, 20 to 360 amps. Heavy steel red crackle cabinet on casters. "Lift top", sloping control panel. With headshield, electrode holder, welding and ground cables, "C" clamp, welding rods and detailed welding and operating instructions. 360 amps. continuous duty. For 220 volt a.c. operation 40" H. x 25" W. x 19" D. Shpg. wt. 345 lbs. C25634—**Your Cost \$240.10**



MODEL 360-A

### TRINDL Arc Torch



Works with any AC or DC arc welder. Anyone can produce strong, sound welds on aluminum, bronze, iron, steel, etc. Complete with 12 ft. cables, four 6"x6mm. carbons, 2 jack plugs and 2 adjustable

adaptor heads for 3/16" to 1/4" inch carbons. C25635—Shpg. wt. 3 lbs. **Your Cost \$6.66**

### TRINDL Speedweld Mild Steel Welding Rods

High grade, deep penetrating, mild steel general purpose shielded arc welding electrode. Light tan flux coating. For use on A.C. transformer or straight polarity D.C. Arc welders.

Stock No.	Amperes		Size	Your Cost Per Lb.		
	Min.	Max.		Under 50 Lbs.	50 to 250 Lbs.	Over 250 Lbs.
C25636	30	80	3/32"x12"	\$0.28	\$0.23	\$0.184
C25637	70	120	1/8"x14"	.22	.18	.115
C25638	120	200	3/16"x14"	.20	.16	.098
C25639	150	280	1/4"x14"	.18	.15	.092

### TRINDL Electrode Holders



Unique design allows rods to be held in several positions. Strong, high conductivity bronze jaws make this holder extremely durable. Shpg. wt. 2 lbs. C25640—150 Amps. **\$4.16** Each. C25641—300 Amps. Each. . . . \$4.90

### Welding Gauntlet

Preferred by welders because of their low cost, light weight, softness and flexibility. Highest quality specially tanned horsehide suede with four inch gauntlet. Thumb and forefingers are reinforced to give durability and added life. C25642—Per Pair. **\$2.20**

### Welding Cable

Stranded copper wire—covered with cotton wrap—reinforced with cable laid twine. Compounded rubber jacket. No. Cap. Amps. Size Ft. C25643 75 No. 10 15c C25644 160 No. 6 24c C25645 200 No. 2 34c C25646 300 No. 1 44c

### Audel's Welders Guide

422 pages of fundamental welding operations, as well as specialized techniques of hand and machine welding. Handy reference index gives you immediate solution to all welding problems. Size: 5x6 3/8". C20296—Postpaid **98¢** Your Cost. . . .

# WORNER PHOTO-ELECTRIC EQUIPMENT

### WORNER Plant Protection Unit

Anti-Sabotage and Espionage Protection.



Two Models Covering 250 or 500 Feet. Weatherproofed

Guards against sabotage and espionage, indoors or out, for civilian or military use at waterworks, light plants, oil refiners, oil or gas storage plants, airports, railroads, etc. Provides visible or audible alarm or both in case of trespassing. Equipment comprises robot and light source (infra-red, invisible light). When invisible light beam is interrupted alarm is operated either at plant or at local law enforcement office. Any maintenance or electrical employee can install and maintain system, following instructions supplied. Light source and robot in identical weatherproof steel cases, 7 5/8" x 10 3/4", provided with floor flanges for 1 1/2" pipe for mounting at desired height. For use on 115 volts, 60 cycles A.C. Complete with all tubes and instructions. C15650—Model 2250—250 ft. range. **Your Cost \$124.95** C15651—Model 2500—500 ft. range. . . . \$194.77

### WORNER Burglar Alarm System

Similar in appearance to the Industrial Units listed at the right. Light source projects beam of invisible infra-red light into condensing lens of receiver. Interruption of beam or disconnection of power to the unit operates a relay which may be connected to any audible or visible alarm device. Alarm is continuous and can only be silenced by the possessor of key to pick-proof switch lock on the receiver. Mirrors may be used to project the light beam around a room to protect several entrances simultaneously. Can be operated with light beam lengths of up to 100 feet. For 110 volts 60 cycle AC only. Shpg. wt. 10 lbs. **Your Cost \$50.27** C15659—Model 501 System. . . .

### WORNER Industrial Photo-electric Units

A two unit system for use in counting, grading, sorting and speed control in conveyor belt set-ups, to operate automatic doors, and as safety device on heavy machinery. Relay in receiver unit operates up to 500 times per minute.



**Model 280IR Receiver (Right)**  
Comprises light cell, amplifier, sensitivity control, and relay. Sensitivity control may be set so that unit is unaffected by daylight or artificial light. Grey wrinkle finish 7x6 1/4 x 4 1/4". Less control. Shpg. wt. 6 lbs. C15652 . . . Each **\$40.42**

**Model 280IL Light Source (Left)**  
Low wattage bulb with approximately 2000 hours life; throws concentrated beam. Grey wrinkle finished housing, 6x7x4 1/4". Shpg. wt. 5 lbs. C15653—Your Cost **\$8.82**

### Cetron Phototubes

The finest phototubes for use in Worner equipment listed on this page. Type CE-23-C—Gas. 100 microamps average sensitivity per lumen. **Your Cost \$3.67** Type CE-1-D—Gas. 100 microamps average sensitivity per lumen. **Your Cost \$2.94**

### EBY Photocell Kit

Includes all necessary parts to make up various control circuits. Employs EBY Cell, super-sensitive relay, tube, etc. For 115 V. 60 cycle operation. Chassis drilled and punched. Shpg. wt. 3 lbs. C14185—EK-12A **\$10.29** Your Cost. . . .

**EBY Photo-Cell**  
As used in above units. Fits 4-prong socket. Requires 150-250 volts. 1 1/4" dia. x 3/4" h. E-12 C14170—Your Cost **\$2.65**



# RACKS · PANELS · CABINETS

## Steel Cabinets for Rack Panels



Heavy duty cabinets built of 1/8" steel and finished in black ripple Standard and DeLuxe models. Standard models have square re-enforced corners; spot welded joints. DeLuxe models have neatly rounded corners. Both types are universally drilled to take all standard 19" rack panels. All have louvres and latch covers. All take chassis 13" deep.

De Luxe available with slate gray finish on special order.

### STANDARD STEEL CABINETS

Stock No.	Cabinet Dimensions	Panel Space	Door Location	Shpg. Wt.	Your Cost
C22194	8 1/2 x 19 x 13 1/2"	8 3/4 x 19"	Top Only	20 lbs.	\$ 5.08
C22070	12 1/2 x 19 x 13 1/2"	12 1/2 x 19"	Top Only	27 lbs.	6.32
C22193	17 1/2 x 19 x 13 1/2"	17 1/2 x 19"	Top & Rear	34 lbs.	9.41
C22192	26 1/2 x 19 x 13 1/2"	26 1/2 x 19"	Rear Only	47 lbs.	10.29
C22190	35 x 19 x 13 1/2"	35 x 19"	Rear Only	55 lbs.	12.05

### ICA DE LUXE STEEL CABINETS

Stock No.	Cabinet Dimensions	Panel Space	Door Location	Shpg. Wt.	Your Cost
C22188	10 1/2 x 21 x 13 1/2"	8 3/4 x 19"	Top Only	22 lbs.	9.70
C22071	14 x 21 x 13 1/2"	12 1/2 x 19"	Top Only	29 lbs.	11.76
C22191	19 1/2 x 21 x 13 1/2"	17 1/2 x 19"	Top & Rear	34 lbs.	16.32
C22198	28 x 21 x 13 1/2"	26 1/2 x 19"	Rear Only	69 lbs.	18.23
C22199	36 1/2 x 21 x 13 1/2"	35 x 19"	Rear Only	73 lbs.	20.29

## I.C.A. Hinged Steel Cabinets

Employ full piano-hinged doors, and removable front panels. Modern grille type ventilation provided at the sides and back. Front side corners are rounded. Finished in black ripple enamel. All Less Bases. Wts.: 5, 6, 7, 15 lbs.

Stock No.	Dimen. H. L. D.	Panel Size	Your Cost
C22200	8x10x 8"	8x 8"	\$2.65
C22201	8x12x 8"	8x10"	3.09
C22202	8x14x 8"	8x12"	3.88
C22203	12x20x12"	12x18"	7.06

## I.C.A. De-Luxe Hinged Steel Cabinets

Attractive streamlined cabinets, with full length piano hinge and removable front panel. Ventilating louvres on sides. Finished in slate gray ripple enamel. All less chassis. Wts. same as above.

No.	H. L. D.	Panel	For Chassis	Each
C22087	8x10x8"	8x8"	7x 7x2"	\$4.26
C22088	8x12x8"	8x10"	7x 9x2"	4.41
C22089	8x14x8"	8x12"	7x13x2"	5.29
C22091	12x20x12"	12x18"	10x17x3"	8.23

## I.C.A. Sloping Front Cabinets

Trimmed with red-stripped moulding, with slate gray ripple finish. Front panel removable. Rear with openings for ventilation, leads, etc. Less chassis.

Stock No.	H. W.L.D.	For Chassis	Shpg. Wt.	Your Cost
C22092	8x 8x8"	7x 7x2"	6 lbs.	\$3.88
C22093	8x10x8"	7x 9x2"	7 lbs.	4.26
C22094	8x14x8"	7x13x2"	8 lbs.	5.14
C22096	12x18x8"	10x17x3"	14 lbs.	7.50

## I.C.A. Standard Speaker Cabinets

Substantially made from sheet steel, with louvred back cover with slots for wall hanging. Finished in black ripple enamel.

Stock No.	Spkr. Cabinet	Size	Shpg. Wt.	Your Cost
C22140	6"	10x10x6"	8 lbs.	\$3.00
C22141	8"	12x12x7"	9 lbs.	3.59
C22142	10"	14x14x8"	15 lbs.	4.70
C22143	12"	16x16x8"	20 lbs.	6.31



## Table Racks

1/8" steel with black ripple finish. Mounting holes on 1 3/4" centers, tapped for 10-32 screws. Both 20" wide and 12" deep.

C22103	— 25" high. Panel space 21x19".	Shpg. wt. 33 lbs.	<b>\$3.97</b>
C22103	— 32" high. Panel space 28x19". Shpg. wt. 36 lbs.		<b>\$5.15</b>

## Heavy Duty Type 1/16" Steel Chassis With Bottom Cover Plates



One piece 1/16" steel. All corners re-enforced. Ends drilled to fit standard mtg. bracket. All black wrinkle finish.

No.	W. L. D.	Lbs.	Each
C22155	8x17x2"	9	\$1.71
C22229	8x17x3"	10	1.91
C22231	11x17x2"	11	1.91
C22156	11x17x3"	12	2.06
C22230	13x17x2"	13	2.23
C22232	13x17x3"	14	2.44

## 1/16" Steel Mtg. Brackets



Black wrinkle finish. Panels must be at least 7" high. Mounting holes drilled.

Stock No.	Size, Base	Per Pair
C15271	8"	\$0.56
C15272	11"	.82
C15269	13"	1.00

## I.C.A. 1/16" Steel Panels



Black wrinkle finish. For all radio applications.

No.	Size	Wt.	Each
C22218	7x10"	2 lbs.	\$0.47
C22219	7x12"	2 lbs.	.53
C22220	7x14"	3 lbs.	.62
C22221	7x18"	4 lbs.	.82

## I.C.A. Heavy Steel Rack Panels, Black or Gray

Heavy duty 1/8" steel panels for all standard 19" racks. Available with either black ripple finish or with commercial slate gray ripple. These panels don't collect dust—and they don't show finger marks. Available in 12 standard sizes to meet any requirements.

Black No.	Gray No.	Ht. In.	Wt. Lbs.	Your Cost	Black No.	Gray No.	Ht. In.	Wt. Lbs.	Your Cost
C22169	C22118	1 1/2"	2	\$0.65	C22163	C22124	12 1/2"	12	\$1.59
C22170	C22119	3 1/2"	5	.73	C22164	C22125	14	13	1.82
C22171	C22120	5 1/2"	7	.85	C22165	C22126	15 1/2"	14	2.12
C22160	C22121	7	8	.91	C22166	C22127	17 1/2"	15	2.26
C22161	C22122	8 1/2"	9	1.15	C22167	C22128	19 1/2"	16	2.45
C22162	C22123	10 1/2"	10	1.29	C22168	C22129	21	17	2.76

## Steel Channel Racks

Built of 1/4" steel with spot-welded corners. Finished in ripple black. Designed for use with standard 19" long panels and are universally drilled for all standard panels. Base is 16" deep, 20" wide. Holes are tapped for 10-32 screws. Base is braced to insure freedom from wobble and to keep units in alignment. All heights shown below over all dimensions.

C22150	— 73 1/4" high. Wt. 85 lbs.	Panel space 71 3/4"	<b>\$12.64</b>
C22151	— 38 1/4" high. Wt. 57 lbs.	Panel space 36 3/4"	<b>\$10.29</b>

## Enclosed Steel Racks

DeLuxe type, streamlined. Universally drilled for all standard panels. Stainless steel trim ring at top and bottom. Finished in slate gray. (Black ripple available, specify on order). Panel width 19". Models are 22 1/2" wide, 16 1/2" deep. Hinged back. Shipped knocked down, with all hardware. With 2 locks on rear door.

Stock No.	Ht. In.	Panel Space	Wt. Lbs.	Your Cost
C22145	42"	36 3/4"	100	\$25.28
C22146	66 1/2"	61 1/4"	150	32.92
C22148	82 1/4"	77"	175	39.68

# RACKS · PANELS · CABINETS

## Ripple Finish Steel Cabinets

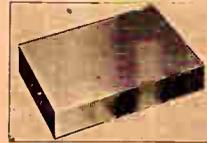
Sheet steel with spot welded reinforced corners. Covers removable, held by self-tapping screws.

Stock No.	Dimensions	Shpg. Wt.	Your Cost
C22178	4x4x2"	1 lb.	\$0.65
C22179	4x5x3"	2 lbs.	.69
C22180	6x6x6"	3 lbs.	.79
C22181	12x7x6"	5 lbs.	1.47
C22182	15x9x7"	10 lbs.	2.06



## Blank Metal Chassis Bases

Here's your chance to buy all purpose radio chassis, undrilled, at unusually low prices. All have re-inforced spot welded corners for extra strength.



Three types available: **Terplate** is steel with lead plating; **Electralloy** is a non-magnetic zinc alloy; also in black wrinkle finish **Terplate**.

## ICA General Utility Steel Cabinets

Can be used for a multitude of radio and other purposes. All are substantially made of sheet steel, with spot welded re-inforced corners. The tops and bottoms are removable; held in place by means of self-tapping screws that are furnished. Black ripple.



- ★ Sheet Steel
- ★ Spot Welded Corners
- ★ Removable Tops, Bottoms

No.	Size	Shpg. Wt.	Each
C22209	4" x 2" x 4"	2 lbs.	\$0.76
C22210	4" x 3" x 5"	3 lbs.	.82
C22174	6" x 6" x 6"	3 lbs.	.91
C22175	9" x 5" x 6"	5 lbs.	1.47
C22173	10" x 8" x 7"	6 lbs.	1.85
C22176	10" x 8" x 10"	7 lbs.	2.26
C22177	11" x 12" x 8"	9 lbs.	2.45

L.	W.	H.	Wt.	Terplate No.	Each	Electralloy No.	Each	Black Wrinkle No.	Each
5	x	9 1/2	x 1 1/2"	C22299	\$0.48	C22320	\$0.75	C22306	\$0.57
5 1/2	x	10	x 3"	C22300	.57	C22321	.99	C22307	.65
7	x	7	x 2"	C22310	.52	C22322	.87	C22308	.61
7	x	9	x 2"	C22325	.57	C22331	.96	C22351	.67
7	x	11	x 2"	C22326	.60	C22332	1.05	C22308	.72
7	x	12	x 3"	C22302	.65	C22323	1.26	C22309	.75
7	x	13	x 2"	C22327	.67	C22333	1.20	C22352	.80
7	x	17	x 3"	C22303	.76	C22324	1.75	C22313	.91
10	x	12	x 3"	C22328	.75	C22334	1.79	C22353	.99
10	x	14	x 3"	C22304	.77	C22335	1.89	C22318	1.08
10	x	17	x 3"	C22329	.90	C22335	1.95	C22254	1.12
10	x	23	x 3"	C22330	.98	C22336	2.25	C22255	1.24
13	x	17	x 3"	C22305	.99	C22338	2.35	C22319	1.65

## ICA Sloping Front Steel Chassis



Heavy duty steel chassis finished in black ripple enamel. Sloping front for mounting instruments, etc. Gives effect of an open cabinet receiver or amplifier unit when used without top covers. All sizes are 3 1/2" high and have 4" slope front. 3 popular sizes.

Stock No.	Top of Base	Bottom of Base	Wt. Lbs.	Your Cost
C22099	7x17"	10x17"	4	\$1.94
C22100	10x14"	13x14"	4	2.15
C22101	10x17"	13x17"	5	2.45

## ICA DeLuxe Meter Cases

Designed to harmonize with the trend of modern streamlined equipment. Finished in Marine Gray Rippled Enamel and trimmed with red striped Chrome band. For 3" meters.



C22080—4 1/4" D. 4 3/4" W. and 4 1/2" H. Meter Hole 2 1/4".  
Your Cost..... **\$1.32**

## ICA Chrome Handles

A beautiful adornment for any cabinet, amplifier chassis transmitter, etc. With mtg. screws. 5 1/2" l. x 1 1/2" w. Mtg. centers 4 1/8".  
C14563—Your Cost..... **41¢**



## ICA Sloping Panel Steel Cabinets



C22097—(Left) 4 1/2 x 4 1/2 x 4 1/2". Shpg. wt. 2 lbs. Your Cost... \$1.26  
C22098—(Right) 7 1/2 x 4 1/2 x 4 1/2". Shpg. wt. 5 lbs. Your Cost... 2.26



Streamlined cabinets with rounded corners. Compact and rugged. For use as speaker cabinets, oscillator cases, monitors, teletalk systems, small receivers, etc. Both have marine gray ripple finish.

## MASONITE and BAKELITE

### Radio Panels



**Masonite:** Tempered Masonite, non-magnetic, sturdy, yet easily worked with ordinary woodworking tools. All panels 3/8" thick, finished in Black Ripple.

**Bakelite:** Fine grade bakelite, black finish panels, 3/8" thick. Also suitable for test instruments, meters, etc.

MASONITE PANELS			BAKELITE PANELS		
Size	Stock No.	Each	Wts.	Stock No.	Each
7x10"	C22280	\$0.59	1/2 lb.	C19600	\$1.32
7x12"	C22281	.65	1 lb.	C19601	1.62
7x14"	C22282	.73	1 lb.	C19602	2.01
7x18"	C22283	.88	1 lb.	C19603	2.41
7x21"	C22279	.97	1 1/2 lbs.	C19604	2.73
7x24"			1 1/2 lbs.	C19605	3.23
7x30"			2 lbs.	C19608	3.97

## MASONITE Relay Rack Panels

As above, but with amateur standard notching.

Stock No.	Size	Each	Stock No.	Size	Each
C22267	1 3/4 x 19"	\$0.47	C22284	8 3/4 x 19"	\$1.03
C22268	3 1/2 x 19"	.59	C22285	10 1/2 x 19"	1.18
C22269	5 1/4 x 19"	.73	C22286	12 1/2 x 19"	1.18
C22277	7 x 19"	.85			

## MILLEN Quartz "Q" Sheet



For panels, condenser mtg., insulation, etc. Drills and cuts rapidly. Quartz "Q" is a highly polymerized styrene having remarkable low R.F. loss and high resistance to voltage breakdown. Size: 3x8 1/2"; 1/10" thick.

C8024—Millen No. 55001. Your Cost Each..... 45¢

## GREENLEE Punches

Driven by screw action, this handy tool quickly cuts clean accurate holes for sockets, plugs, etc., in radio chassis. Only necessary to drill 3/8" or 13/32" hole to fit 3/8" or cap screw; 3/4" or larger hole to fit 3/4" cap screw. Each size tool consists of the metal and cap screw. Shpg. wt. 2 lbs.



C15131—3/8" Complete	
C15132—7/8" Complete	<b>\$1.72</b>
Either Above, Each	
C15135—Screw for 3/4" and 7/8" Punches. Each	20¢
C15136—1" Complete	\$1.88
C15138—1 1/2" Complete	
C15139—1 1/2" Complete	
C15140—1 3/8" Complete	
C15141—1 1/2" Complete	
Any Above, Each	<b>\$2.00</b>
C15142—1 3/8" Complete	\$2.28
C15143—1 1/2" Complete	2.56
C15118—Screw for 1" to 1 1/2" inclusive. Each	20¢
C15146—2 1/4" Complete	\$4.96
C15147—Screw for 2 1/4" Punch. 40¢	

## Chassis Shearing Punch

Cuts any size odd shape hole (square, rectangular, hexagon, etc.), on any size panel or chassis. Only hammer is necessary. Can be used in a punch press. Wt. 5 lbs.



C15067—Your Cost Each... **\$8.82**

## ICA Standard Amplifier Foundation Chassis



Streamlined amplifier chassis and covers, with new decorative grille-type ventilators. Chassis stamped from one piece cold-rolled steel, finished in black

ripple. Covers are 6" deep and slate gray, presenting a contrasting two-tone effect. Chassis are drilled for bottom plates (not supplied) see listing on page 74. Chassis height 3".

No.	Size	Wt.	Each
C22132	5 1/2" x 10" x 9"	9 lbs.	\$2.12
C22138	8" x 12" x 9"	10 lbs.	3.09
C22135	7" x 17" x 9"	11 lbs.	3.18
C22136	10" x 14" x 9"	11 lbs.	3.44
C22137	10" x 17" x 9"	13 lbs.	3.62

## ICA DeLuxe Amplifier Chassis

Chassis is of one-piece cold rolled steel, with reinforced corners. Finished in rippled black; cover in slate gray with polished striped chromium molding and red

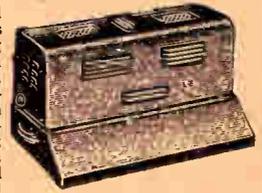


striped chromium handles. All covers 6" deep. Chassis drilled for bottom covers (not supplied); see listing on page 74. Chassis height 3".

Stock No.	Size	Shpg. Wt.	Each
C22183	5 1/2" x 10" x 9"	9 lbs.	\$3.62
C22139	8" x 12" x 9"	11 lbs.	4.70
C22185	7" x 17" x 9"	11 lbs.	4.85
C22186	10" x 14" x 9"	11 lbs.	5.29
C22187	10" x 17" x 9"	13 lbs.	5.59

## ICA Sloping Chassis Units

Deluxe steel amplifier units with sloping fronts on chassis bases. Bases equipped with chrome trimmed handles; top covers have beautiful chrome plated



"air gate" ventilators with red striped chrome trim. Ventilating louvers on sides and back. Raised screen openings on top, with red striped chrome molding. Rounded corners. Marine gray ripple finish. All have 4" slope; bases 3 1/2" high.

No.	Overall	Bottom	Wt. Lbs.	Each
C22131	7x17x9 1/2"	10x17"	11	\$5.35
C22134	10x14x9 1/2"	13x14"	11	6.03
C22147	10x17x9 1/2"	13x17"	11	6.47



# RADIO FUNDAMENTALS

## GETTING ACQUAINTED WITH RADIO



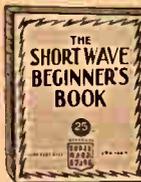
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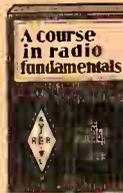
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# RADIO FUNDAMENTALS

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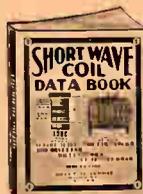
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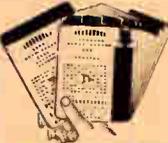
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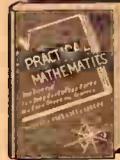


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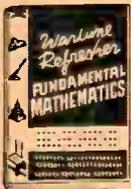
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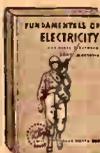
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<b>FOR 2.5 VOLT TUBES</b>											
C2069	VPT-1	325-0-325	70	5.0	3.0	2.5 9.0	A	3 3/4" x 3 1/8" x 3 3/8"	3 1/8" x 2 1/2"	4.0	\$2.97
C2070	VPT-2	325-0-325	120	5.0	3.0	2.5 12.5 2.5 3.5	A	3 3/4" x 3 1/8" x 4 1/4"	3 1/8" x 2 1/2"	6.0	4.17
<b>FOR 6.3 VOLT TUBES</b>											
C2071	VPT-3	210-0-210	50	5.0	2.0	6.3 2.0	A	3" x 2 1/2" x 3 1/2"	2 1/2" x 2"	3.5	\$2.38
C2072	VPT-4	300-0-300	70	5.0	3.0	6.3 3.0	A	3" x 2 1/2" x 3 1/2"	2 1/2" x 2"	3.7	2.65
C2073	VPT-5	300-0-300	120	5.0	3.0	6.3 5.0	A	3 3/4" x 3 1/8" x 4"	3 1/4" x 2 1/2"	5.2	3.35
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Power transformers have 117 v. 50-60 cy. electrostatically shielded primaries.

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C2075	VPR-1	6	50	300	B	1 5/8" x 2 1/8" x 1 1/2"	2 7/8"	0.6	\$ .68
C2076	VPR-2	8	120	250	B	2 3/8" x 4" x 2 1/4"	3 3/8"	2.4	1.38

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Stock No.	Part Number	Application	Turns Ratio	Primary D.C. Ma.	Core Size	Type Mtg.	Dimensions H. x W. x D.	Mounting Centers	Weight in Lbs.	Your Cost
C2077	VAT-1	Interstage or Input	3:1	10	5/8" x 5/8"	B	1 5/8" x 2 1/8" x 1 1/2"	2 3/8"	0.6	\$1.03
C2078	VAT-2	Universal*	1:1/3:1/6:1	10	3/4" x 1"	C	2 3/8" x 2 1/8" x 2"	2 3/8"	1.5	1.23

\*Center tapped primary and split secondary may be used as plate to grid; P.P. input or P.P. interstage replacement. Overall ratio is 3:1. May be used for step-up or step-down applications.

### DRIVER TRANSFORMERS

Stock No.	Part Number	IMPEDANCE		Ratio Pri. to 1/2 Sec.	Primary D.C. Ma.	Core Size	Type Mtg.	Dimensions H. x W. x D.	Mounting Centers	Weight in Lbs.	Your Cost
		Primary	1/2 Secondary								
C2079	VAT-3	10,000	2,500 4,400 10,000	1:1 1.5:1 2:1	35	3/4" x 3/4"	B	2" x 3 1/8" x 1 1/8"	2 1/8"	1.7	\$1.32

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Stock No.	Part Number	Output Tubes	IMPEDANCE		Primary D.C. Ma.	Max. Aud. Watts	Core Size	Type Mtg.	Dimensions H. x W. x D.	Mtg. Centers	Weight in Lbs.	Your Cost
			Primary	Sec.								
C2080	VAT-4	Single or P.P. Plates	2,500 to 15,000	2 to 15	50	4	1 1/2" x 5/8"	D	1 5/8" x 2 3/8" x 1 1/4"	2"	0.7	\$1.00
C2081	VAT-5	Single or P.P. Plates	2,500 to 13,000	2 to 15	70	8	5/8" x 3/4"	D	1 5/8" x 2 3/8" x 1 1/8"	2 1/8"	0.9	1.03
C2082	VAT-6	P.P. Plates	2,500 to 13,000	2 to 15	70	15	3/4" x 1"	D	2" x 3 1/8" x 1 1/8"	2 1/8"	1.7	1.50



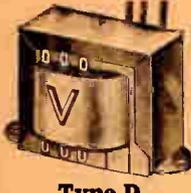
Type A



Type B



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Type D

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No.	Cap.	Size	Each
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C2632	.002	1 1/2" x 1 1/8"	12c
C2635	.005	1 1/2" x 1 1/8"	12c
C2637	.01	1 1/2" x 1 1/8"	12c
C2638	.02	1 1/2" x 1 1/8"	12c
C2639	.05	1 1/2" x 1 1/8"	15c
C2641	.1	1 1/2" x 1 1/8"	18c
C2642	.25	1 1/2" x 2 1/8"	26c

### MIDGET ELECTROLYTICS

These midget dry electrolytics will handle any job requiring an electrolytic capacitor. Polarity clearly indicated. Bare wire leads. Easily replaces larger capacitors.

Stock No.	Cap. Mid.	D.C. W.V.	Size Dia. x L.	YOUR COST
C3150	100	25	3/8" x 2 1/4"	\$0.50
C3151	10	50	3/8" x 1 1/2"	.32
C3152	20	150	1/2" x 2"	.44
C3153	20-20	150	1/2" x 2"	.76
C3154	50	150	1/2" x 2 1/2"	.65
C3155	20	250	3/8" x 2 1/2"	.59
C3156	10	450	1/2" x 2 3/8"	.50
C3157	10-10	450	1" x 3 1/8"	.82
C3158	40	450	1 1/2" x 3 1/2"	1.03

## "Civilian Replacement" VOLUME CONTROLS

Available for Civilian Replacement use for maintenance and repair of existing radios. Made by IRC, CRL, Mallory or Utah—we will ship whichever is available at time order is received. Standard make controls with switches and built-in double flatted shafts. Will take 1/8" and 3/16" push-on knobs and set screw knobs without filing. Depth, less switch 3/8", depth, with switch 25/32". Control diameter, 1 1/8". Taper code: A—Uniform; C—Antenna Shunt or Audio; D—Antenna and C Bias; F—Antenna and Bias; H—Tapped Control for Tone Compensation.

Stock No.	Ohms	Taper	Tap	Stock No.	Ohms	Taper	Tap
C9105	5,000	A	.....	C9125	250,000	C	.....
C9108	10,000	A	.....	C9145	250,000	Spec.	125M
C9109	10,000	D	.....	C9126	500,000	A	.....
C9113	20,000	F	.....	C9127	500,000	C	.....
C9115	25,000	A	.....	C9128	500,000	H	125M
C9117	50,000	A	.....	C9129	1 Meg.	C	.....
C9118	50,000	C	.....	C9130	1 Meg.	H	250M
C9121	100,000	A	.....	C9131	2 Meg.	C	.....
C9122	100,000	C	.....	C9147	2 Meg.	H	500M

Any Untapped Control, Your Cost Each..... **59¢** Any Tapped Control, Your Cost Each..... **88¢**

C7796—S.P.S.T. Switch for any control above. Each..... 29¢  
C7797—D.P.S.T. Switch for any control above. Each..... 35¢



# SPECIAL VALUES *Quantities Limited*

## CENTRALAB Insulated Carbon Resistors



Type 310— $\frac{1}{2}$  watt carbon resistors with resistance element sealed in a dense shock proof ceramic tube. Ends are pure copper to dissipate heat and insure adequate connection to resistor element. Radial leads. All are RMA color coded. Available only in sizes listed below.

Ohms	Ohms	Ohms	Ohms
10	300	15,000	500,000
30	400	20,000	1 meg.
50	650	30,000	2 meg.
100	750	40,000	3 meg.
150	800	50,000	5 meg.
175	2,200	100,000	10 meg.
200	5,000	200,000	15 meg.
250	10,000		

**C4420—Specify resistance. 7¢**  
**Your Cost each.** ..... \$6.30  
 100 for..... \$6.30

## CENTRALAB Insulated Carbon Resistors



Type 314. Same as above but rated at 1 watt. Available only in the sizes listed below:

Ohms	Ohms	Ohms	Ohms
200	10,000	60,000	60,000
8,000	12,000	250,000	

**C4421—Specify resistance when ordering. 11¢**  
**Your Cost Each.** ..... \$9.80  
 100 for..... \$9.80

## $\frac{1}{2}$ Watt Insulated Carbon Resistors



Standard  $\frac{1}{2}$  watt insulated carbon resistors with element sealed in moisture proof phenolic compound. All are standard RMA color coded. Available only in the sizes listed:

Ohms	Ohms	Ohms	Ohms
47	470	100,000	1 meg.
75	500	120,000	3 meg.
150	6,800	220,000	4 meg.
220	10,000	250,000	4.7 meg.
			10 meg.

**C4418—Specify size when ordering. Your Cost Each.** ..... \$4.50  
 100 for..... \$4.50

## 1 Watt Insulated Wire Wound Resistors



Worth their weight in gold to the service man... and harder to get! We have only limited quantities of these wire wound resistors and advise early ordering. One watt high quality units with wirewound element, completely encased in a moisture proof phenolic compound. Available only in the sizes below.

Ohms	Ohms	Ohms	Ohms
1	5	15	20
1 1/2	6	16	300
3	8	18	350
4	10		500

**C4427—Specify resistance when ordering. Your Cost.** ..... 9¢  
 10 for..... 85¢

**Slotted Bracket**  
 2" high, 1 1/2" long, 3/4" wide. For condensers, etc.  
**C14906—Your Cost.** ..... 6¢

## MICAMOLD Mica Condensers



**Type W**  $\frac{3}{4}$ " Square  
**Type S**  $\frac{3}{4}$ " Square  
**Type O**  $1\frac{1}{2} \times 1\frac{1}{2}$ "  
**Type J**  $1\frac{1}{2} \times 1\frac{1}{8}$ "  
**Type M**  $1\frac{1}{2} \times 1\frac{1}{8}$ "

Moulded bakelite mica capacitors. All individually tested for accuracy of capacity, voltage breakdown and leakage. Type M rated at 600 Volts DC working, 1000 Volts test. All others rated at 500 Volts DC working 1000 Volts test excepting capacities over .003 mfd. of types W & J which are rated at 300 Volts DC working. All RMA color coded.

Capac.	Type W	Your Cost	Type S	Your Cost	Type O	Your Cost	Type J	Your Cost	Type M	Your Cost
.000002	.....	.....	.....	.....	C3571	12c	.....	.....	.....	.....
.000005	.....	.....	C3470	12c	C3482	12c	.....	.....	.....	.....
.00001	.....	.....	C3471	12c	C3483	12c	.....	.....	.....	.....
.00002	.....	.....	C3472	12c	C3484	12c	.....	.....	.....	.....
.000025	.....	.....	C3473	12c	C3485	12c	.....	.....	.....	.....
.00003	.....	.....	C3474	12c	C3486	12c	.....	.....	.....	.....
.000035	.....	.....	.....	.....	C3572	12c	.....	.....	.....	.....
.00004	.....	.....	C3475	12c	C3487	12c	.....	.....	.....	.....
.00005	.....	.....	C3476	12c	C3488	12c	.....	.....	.....	.....
.000075	.....	.....	C3477	12c	C3489	12c	.....	.....	.....	.....
.0001	C3450	12c	C3478	12c	C3490	12c	C3700	12c	C3724	26c
.00015	C3451	12c	C3479	12c	C3491	12c	C3701	12c	C3725	26c
.000175	.....	.....	.....	.....	C3573	12c	.....	.....	.....	.....
.0002	C3452	12c	C3480	12c	C3492	12c	C3702	12c	C3726	26c
.00025	C3453	15c	C3481	15c	C3493	15c	C3703	15c	C3727	26c
.0003	C3454	15c	.....	.....	C3494	15c	C3704	15c	C3728	26c
.00035	.....	.....	.....	.....	C3574	15c	.....	.....	.....	.....
.0004	C3455	15c	.....	.....	C3495	15c	C3705	15c	C3729	26c
.0005	C3456	15c	.....	.....	C3496	15c	C3706	15c	C3730	26c
.0006	C3457	15c	.....	.....	C3497	15c	C3707	15c	C3731	26c
.00075	C3459	15c	.....	.....	C3499	15c	C3709	15c	C3733	26c
.0008	C3460	15c	.....	.....	.....	.....	C3710	15c	C3734	26c
.0009	C3461	15c	.....	.....	.....	.....	C3711	15c	C3735	26c
.001	C3462	18c	.....	.....	.....	.....	C3712	18c	C3736	29c
.0015	C3463	18c	.....	.....	.....	.....	C3713	18c	C3737	32c
.002	C3464	24c	.....	.....	.....	.....	C3714	24c	C3738	32c
.0025	C3465	26c	.....	.....	.....	.....	C3715	26c	C3739	35c
.003	C3466	29c	.....	.....	.....	.....	C3716	29c	C3740	41c
.004	C3467	32c	.....	.....	.....	.....	C3717	32c	C3741	41c
.005	C3468	35c	.....	.....	.....	.....	C3718	35c	C3742	41c
.006	.....	.....	.....	.....	.....	.....	C3719	44c	C3743	47c
.0075	.....	.....	.....	.....	.....	.....	C3720	47c	C3744	49c
.008	.....	.....	.....	.....	.....	.....	C3721	47c	C3745	53c
.009	.....	.....	.....	.....	.....	.....	C3722	50c	C3746	57c
.01	.....	.....	.....	.....	.....	.....	C3747	59c	.....	.....

## Meissner RF Choke



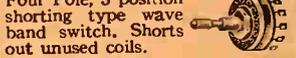
1 MH RF choke with a current rating of 300 mills and a resistance of 12.5 ohms. Three pie wound sections on Isolantite form. Heavily impregnated.  $1\frac{1}{4}$ " x  $\frac{1}{2}$ " diam. A high quality unit at a moderate price. Quantity Limited!  
**C10414—Specially Priced.** ..... 14¢

## Binding Post



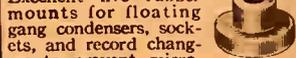
Well made binding post at a low price. Double connector type, sturdily constructed. Brown Bakelite.  
**C13324—Specially Priced.** ..... 12¢  
**Your Cost.** ..... 12¢

## Wave Band Switch



Four Pole, 3 position shorting type wave band switch. Shorts out unused coils.  
**C12829—Specially Priced.** ..... 19¢  
**Your Cost.** ..... 19¢

## Live Rubber Mounts



Excellent live rubber mounts for floating gang condensers, sockets and record changers to prevent microphonics.  $\frac{5}{8}$ " in. high.  
**C14798—Per Doz.** ..... 10¢  
 Specially Priced  
 Per 100 ..... 60¢

## Bathub Capacitors



Oil-impregnated, oil filled condensers. Hermetically sealed against leakage. Will stand severe temperature changes. These non-inductively wound units are conservatively rated. Riveted terminal lugs. Type A, Terminals on top, Type B, terminals on side.  
 (A) 2x.1 Mfd. 600 V. D.C.  
**C2359—Your Cost.** ..... \$1.19  
 (B) 1 Mfd. 600 V. D.C.  
**C2360—Your Cost.** ..... .79  
 (B) 2x.1 Mfd. 400 V. D.C.  
**C2361—Your Cost.** ..... .99  
 (B) 3x.1 Mfd. 400 V. D.C.  
**C2362—Your Cost.** ..... 1.13  
**Quantity Limited!**

## Black Plastic Cabinet



It's a beauty for looks and Tops in Value! Smart new style at a smashing Low Price. Attractive black plastic cabinet, excellent for meter cabinet or very small set. Measures  $6\frac{1}{2}$ " high,  $4\frac{3}{4}$ " wide and  $2\frac{1}{4}$ " deep with  $3\frac{1}{4}$ " hole. Shpg. wt. 2 lbs.  
**C12668—Your Cost.** ..... 39¢

## $\frac{1}{2}$ Watt Uninsulated Carbon Resistors



Small size  $\frac{1}{2}$  watt carbon resistors with axial leads. Although they measure only  $\frac{1}{8}$ " x  $\frac{3}{8}$ ", these conservatively rated resistors are constructed so that the heat is dissipated in the leads. These uninsulated units are all standard RMA color coded. Available only in the sizes listed below:

Ohms	Ohms	Ohms
50	1,500	50,000
110	2,000	56,000
150	2,200	68,000
180	2,700	100,000
250	4,700	220,000
300	7,500	250,000
390	10,000	330,000
450	15,000	470,000
500	20,000	560,000
550	22,000	1 meg.
600	25,000	2 meg.
680	27,000	2.2 meg.
800	30,000	4.7 meg.
850	39,000	10 meg.
1,000	47,000	

**C4415—Specify Resistance when Ordering. 4¢**  
**Your Cost.** ..... \$3.60  
 100 For..... \$3.60

## 1 Watt Insulated Resistors

Standard 1 watt insulated resistors with element sealed in moisture proof phenolic compound. All are standard RMA color coded. Available only in sizes listed below.

Ohms	Ohms	Ohms	Ohms
20	68	12000	15 Meg.
30	220	22000	

**C4419—Specify size when ordering. Your Cost each.** ..... 6¢  
 100 for..... \$5.40

## Moulded Wire Wound Resistors



Insulated wirewound resistors rated at 1 watt. Resistance element wound on ceramic form and moulded in phenolic compound. 10% accuracy. All are standard RMA color coded. Available only in the following sizes: 43.5, 270, 400, 500, and 1500 ohms. Specify resistance when ordering.  
**C4426—Your Cost Each.** ..... 9¢  
 10 for..... 81c

## Carbon Resistor Assortment



An assortment of 100 popular carbon resistors. Contains approximately 50  $\frac{1}{2}$  watt, 25  $\frac{1}{4}$  watt and 25 1-watt resistors. All standard RMA color coded. Shpg. wt. 2 lbs.  
**C3816—Kit of 100 Specially Priced.** ..... \$1.69

## 2 Watt Uninsulated Carbon Resistors

Standard 2 watt carbon resistors with radial leads. All are standard RMA color coded. Available only in the sizes listed below.  
 200, 210, 260, 8200 3 Meg.

**C4417—Specify resistance when ordering. Your Cost each.** ..... 9¢  
 100 for..... \$8.25



# SPECIAL VALUES *Quantities Limited*

## Vertical Home Antenna

Eliminates unsightly and dangerous horizontal wires. Insures clear, practically noise-free reception. Sturdily constructed and much easier to install than other types of antennas. Complete outfit includes a special 12-foot 4-section antenna mast of rust-proof flexible steel, 40 ft. of lead-in wire, 10 ft. of ground wire, lightning arrester, insulators, screws, two pipe straps, one strap mounting assembly, instructions for installation and use. Shpg. wt. 4 lbs. **C21824—Your Cost. \$4.09**



## DPDT SLIDE SWITCH

Compact slide switch with silver plated contacts. Each circuit rated at 1 1/2 amperes at 110 volts. Size 1 1/2" x 3/4". Width 1 1/2" mounting centers. **C12995—Specially Priced. 19¢**

## Miniature 2-Watt Rheostat Screw Driver Slot Control

An exceptionally well constructed miniature 800 ohm wire-wound rheostat rated at approximately 2 watts. May be used as a hum bucking control and for similar applications. Screw-driver slot adjustment. 1" mounting center; 3/4" diameter, 3/8" high. **C6172—Your Cost, Each... 9¢**  
**10 For... 81¢**

## 4" Midget Electro-Dynamic Replacement Speaker

A compact speaker especially designed for midget receivers. Light in weight yet highly effective performance. 4 ohm voice coil. 2750 ohm field. Less output transformer. Shpg. wt. 2 lbs. **C19116—Your Cost. \$1.39**

## Oval PM Speakers

Provides the bass response of a larger unit, but uses little more room than ordinary 6" speaker. 9 1/4" wide, 6 3/8" high. Has extra heavy magnet and completely dustproof voice coil construction. With output x'fmr. for single pentode or beam power tube. 6-8 ohm voice coil. Less output trans. Shpg. wt. 3 lbs. **C19143—Your Cost. \$4.50**

## Midget PM Speakers

Compact, light-weight speakers that employ efficient permanent magnets. Ideal for call and paging systems, hearing aids, intercommunicators, etc. 2 1/2" model has 4 ohm voice coil, all others 3 ohms, 5" model has round frame, others square. Less transformer. Shpg. wt. each 1 1/2 lbs.

No.	Dia.	Watts	Each
C19155	2 1/2"	1	\$1.24
C19123	3 1/2"	2	1.32
C19132	3 1/2"	3	1.40
C19111	4"	2	1.32
C19112	4"	3	1.59
C19113	5"	2	1.40
C19114	5"	3	1.59

## AN EXCEPTIONAL VALUE! 15" Heavy Duty Dynamic Speaker



We have only a limited quantity of these excellent, high fidelity speakers, with heavy stamped frame and oversize 5200 ohm field coil. Constructed before the war, nothing was spared to make this one of the finest speakers ever produced. Has Curvilinear high fidelity cone with corrugated spider and 2" diameter 16 ohm voice coil, completely enclosed to prevent entry of dust. Supplied complete with 40' cord and 7 prong plug, but less output transformer. **Will handle 30 watts. Shpg. wt. 21 lbs. \$21.95**  
**C19144—Your Cost.**

## OVERSIZE 12" SPEAKER With TRANSFORMER

A powerful, heavy duty, 12" dynamic speaker. Outside diameter 14 1/2". 800 ohm field coil, 10,000 ohm CT output transformer for PP Pentodes with 24" speaker cable, and plug. Ideal for replacement and for use in public address equipment. Shpg. wt. 10 lbs. **\$4.95**  
**C19184—Your Cost.**



## LAFAYETTE 12" 2000 Ohm Speaker

High quality 12" dynamic speaker for replacement radio or P.A. use. Range 60-11,000 cycles. Voice coil impedance 6-8 ohms. 2000 ohm field coil. Handles volume excellently; will stand up under hard usage. Less transformer. **\$5.29**  
**C18900—Shpg. wt. 9 lbs. Your Cost.**



## LAFAYETTE 12" Concert Dynamic

Model 12F—Highly efficient heavy-duty field coil speaker, ideal for P.A. use. Frequency response essentially flat from 60 to 8000 C.P.S. (with proper baffle). Has 1 1/4" dia. voice coil with 8 ohm impedance. Capacity 12 watts normal, 18 peak. Field resistance 2500 ohms. Less transformer. Heavy metal frame. Shpg. wt. 11 lbs. **\$6.99**  
**C19214—Your Cost.**

## 6" Utah PM Speaker

A completely dust-proofed standard fidelity 6" PM speaker with 5 oz. magnet. Will handle 4 to 6 watts of audio without distortion. With transformer bracket, but less transformer. Shpg. wt. 2 lbs. **\$2.55**  
**C19434—Your Cost.**



## 6" Dynamic Speaker

Heavy 6" speaker with output transformer for single pentode or beam power output tube. 350 ohm field has hum bucking coil. With 3 ft. cord and plug. Shpg. wt. 3 lbs. **\$1.95**  
**C19433—Your Cost.**



## COMPACT 3 1/2" PM SPEAKER

An ideal replacement unit for those tiny sets or intercoms where space is at a premium. 3 1/2" diameter, and only 1 1/2" ins. deep. Fully shielded voice coil construction makes this an excellent unit for use as a microphone. 6-8 Ohm voice coil, 1 1/2 oz. magnet. Supplied less transformer. **\$79¢**  
**C19103—Shpg. wt. 1 lb. Your Cost.**



## 5" Dynamic Speaker

450 Ohm field with output transformer for single pentode or beam power output tube. Hum bucking coil. Shpg. wt. 4 lbs. **\$1.50**  
**C19428—Your Cost.**



## Dual Speaker Case

Houses two speakers up to 12" in diam. Opens into two halves, each serving as an efficient baffle. Sturdy plywood with black leatherette covering. Has leather carrying handle. Metal bumpers top and bottom. Speaker openings in each half have grille cloth and protective wire mesh screens. Plated snap lock fasteners (two each side). Size, closed, 9x14 1/2 x 2 1/2". Shpg. wt. 13 lbs. **\$6.45**  
**C22062—Your Cost.**



## Portable Speaker Cases For Single Speaker

To house any dynamic speaker up to 12" in dia. Sturdy plywood case covered with black leatherette. 10" opening; grille cloth protected by wire mesh. Leather handle, metal bumpers. Insert type door back. 14x14 1/2 x 9 1/4". Shpg. wt. 13 lbs. **\$3.95**  
**C22061—Your Cost.**



## 8" 450 Ohm Dynamic SPEAKER

Complete with output transformer for single pentode or beam power tube. 450 Ohm field has hum bucking coil. An exceptionally fine speaker for replacement purposes. Shpg. wt. 2 lbs. **\$3.09**  
**C19145—Your Cost.**



## Improved 5" Magnetic Speaker

High Impedance speaker, ideal for replacement in battery sets, portables, ac/dc sets or intercommunication systems. 7000 ohms impedance to match pentode and beam power output tubes. 3 prong speaker plug. Shpg. wt. 2 lbs. **\$1.29**  
**C19152—Your Cost.**



## 5" Magnetic Speaker

Extra sensitive speaker with balanced armature. Adjustments are maintained indefinitely. Has plated metal frames. Solder lug terminals. High Impedance for single output tube. Wt. 3 lbs. **\$1.25**  
**C19230—Diam. 5". Your Cost.**



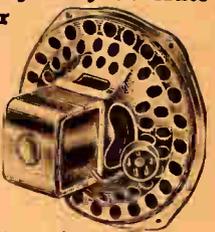
## LAFAYETTE Oval Auto Dynamic

A highly efficient field coil speaker for auto replacement use. Improves bass response. 4 ohm field; 6-8 ohm voice coil. 9 1/4" wide, 6 3/8" high, 4 1/4" deep. Sturdy construction, heavy metal frame. Less transformer. Shpg. wt. 4 lbs. **\$1.39**  
**C19140—Your Cost.**



## 7" Heavy Duty 6V Auto Speaker

With 5 ohm field. 6 to 8 ohm voice coil, completely dust-proof. Less output transformer. Shpg. wt. 6 lbs. **\$1.49**  
**C19105—Your Cost.**



## Heavy Duty 12" 1000 Ohm Speaker

Beautifully built heavy duty speaker with metal field pot cover. 1000 ohm field, 16 ohm voice-coil. Complete with hum bucking coil, but less transformer. Shpg. wt. 11 lbs. **\$6.47**  
**C19436—Each.**



|| PERFECT MERCHANDISE — PROMPT SHIPMENT — PERSONAL SERVICE ||



# SPECIAL VALUES

Quantities Limited

## STANCOR TRANSFORMERS & CHOKES

### STANCOR Power Transformer

**Type P9836.** Compact and efficient transformer construction. Shielded-upright mounting. Insulated to RMA standards. Primary—115 Volts 60 Cycles. Secondary High Voltage—385-0-385 V. at 70 MA. Rectifier Filament—5 V. at 2 A. Filament No. 1—6.3 V. at 2.5 A. Dimensions: 3 $\frac{3}{8}$ "x3 $\frac{1}{2}$ "x4 $\frac{3}{8}$ ". Shpg. wt. 5 lbs.

**C1900—Your Cost, Each..... \$3.35**



### Power Transformer

**Type P9838.** Compact and efficient units conservatively designed for maximum life. Primary—115 V., 60 Cycles. Sec. High Voltage—389-0-389 V. at 200 MA. Rec. Fil.—5 V. at 3A. Fil. No. 1—6.3 V. at 5 A. Dimen.: 3 $\frac{3}{8}$ "x4 $\frac{1}{4}$ "x4 $\frac{7}{16}$ ". Shpg. wt. 9 $\frac{1}{2}$  lbs.

**C1902—Your Cost..... \$5.29**



### Power Transformer

**Type P9837.** Shielded-upright mounting. Leads are brought out through an opening in the base. Primary—115 V. 60 Cycles. Secondary H. V.—350-0-350 V. at 145 MA. Rectifier Fil.—5 V. at 3 A. Fil. No. 1—6.3 V. at 4.5A. 3 $\frac{3}{8}$ "x3 $\frac{3}{8}$ "x4 $\frac{1}{2}$ ".

**C1901—Shpg. wt. 9 $\frac{1}{2}$  lbs. Your Cost..... \$4.41**



### Filter Choke

Designed especially for compactness without sacrificing efficiency. Inductance: 8 henries at rated current of 150 MA. 200 ohms D.C. resistance. 1600 V. insulation. 2 $\frac{3}{8}$ "x2 $\frac{3}{8}$ "x3". Wt. 2 $\frac{1}{2}$  lbs.

**C1903—Each..... \$1.41**



### 150 MA. Choke

For use in amplifiers and small transmitters. 15 henries at 150 MA., 200 ohms D.C. resistance. 2000 Volt insulation. Rated inductance measured under full load operating conditions. 3 $\frac{3}{8}$ "x3 $\frac{3}{8}$ "x4 $\frac{3}{8}$ ".

**C1904—Shpg. wt. 5 $\frac{1}{2}$  lbs. Your Cost..... \$2.82**



### Kit of 25 Tubular By-Pass Condensers



Handy assortments of popular sizes of paper tubular by-pass condensers, all of standard manufacture and voltages. Contains 25 condensers all with capacity ranges from .0005 to .1 mfd. shpg. wt. 2 lbs. Figure your savings and Order Now!

**C3365—Your Cost..... 97¢**

### BEAM POWER OUTPUT TRANSFORMER

Power Output transformer for 6L6, 25L6GT, 3 5 L 6 G T, 117N7GT, etc. To 500 ohms or 6 to 8 ohm voice coil. (Separate windings.) Open type mounting 3 $\frac{3}{8}$ " centers. With leads.

**C1534—Shpg. Wt. 3 lbs. Specially Priced..... 97¢**



### Trutest Push-Pull Output Transformer

Fully shielded upright mounting output transformer, 14,000 ohms plate to plate with secondaries of 2-4-8-15-250-500 ohms. Will handle a maximum of 15 watts audio. 3 $\frac{3}{4}$ " high, 2 $\frac{1}{2}$ "x2 $\frac{1}{2}$ " with 6" color coded leads. Shpg. wt. 4 lbs.

**C1539—Each..... \$1.76**



### Midget Power Transformer

Mounted in compact fully shielded case, with electrostatic shield between primary and secondary. 117 Volt primary, tapped at 6.3 v. @ 1 $\frac{1}{2}$  Amps and 70 volts at 50MA. Secondary 135 volts at 50 MA. with tap at 6.3 volts at 1 $\frac{1}{2}$  Amps. With 10-in. color coded leads.

**C5616—Shpg. Wt. 2 lbs. Your Cost..... 89¢**



### Midget A.C.-D.C. Chokes

Similar to those used by manufacturers of the better midget sets. Extra profits for you at this low price. 15 Henrys, 50 ma. max. d.c. 400 ohms d. c. resistance. 1 $\frac{3}{8}$ "x1 $\frac{1}{2}$ "x2 $\frac{1}{4}$ ". centers 2". Wt. 1 lb.

**C1606—Specially Priced! 29¢**



### Heavy Duty Output Transformer

Open frame mounting with color coded leads. Primary for push-pull tubes, 5000 ohms plate to plate. Tapped secondary for 8 or 16 ohm voice coils. Will handle 25 watt output. Mounting centers 3 $\frac{3}{8}$ ". Shpg. wt. 3 lbs.

**C1628—Your Cost..... \$1.89**



### Full Wave Vibrator Transformer

Open frame type with leads. 6-Volt primary; secondary delivers 245 volts at 40 ma. Size 3x2 $\frac{1}{2}$ "x1 $\frac{1}{2}$ ". Shipping wt. 1 $\frac{1}{2}$  lbs. Quantity Limited.

**C1427—Your Cost..... 39¢**



### 250 Henry C.T. Choke

Fully shielded coupling choke. 250 Henrys at 10 MA DC. resistance, 1160 Ohms. With 6-in. leads, 2 $\frac{1}{2}$ " Mtg. Centers. Wt. 1 lb.

**C1608—Your Cost..... 79¢**



### Philco Vibrators

Philco Part No. 41-3186—4 prong non-synchronous 1 $\frac{1}{2}$ "x4 $\frac{3}{8}$ " high. Replaces Philco 38-5036, for all Philco Models prior to 1936 except Model 816. Replacement for over 100 models. Equivalent to Mallory 500P and 507P. Wt. 1 lb.

**C6102—Your Cost..... \$1.19**



Philco Pt. No. 41-3170—4 pr. non-synchronous, 2x3 $\frac{3}{8}$ " high. Equivalent to Mallory 505P. Shpg. wt. 1 lb.

**C6103—Your Cost..... \$1.19**

Philco Pt. No. 83-0026—4 pr. non-synchronous. 1 $\frac{1}{2}$ "x2 $\frac{1}{2}$ " high. Equivalent to Mallory 509P.

**C6105—Shpg. wt. 1 lb. Each..... \$1.19**

### 2 Volt Vibrator

7 prong replacement vibrator for the popular General Electric self charging portable radios and farm sets. Shpg. wt. 1 lb.

**C6101—Your Cost..... \$1.59**

### Midget Metal Cased Dry Electrolytics

Small in size for tight places—full rated capacity with maximum voltage protection. Don't delay—Stock up Now!

15-30-15-20 Mfd. at 400-300-250—25 Volts DC Working. Can Common Negative. Size 1 $\frac{1}{2}$ "x2 $\frac{3}{8}$ ".

**C2426—Your Cost..... 65¢**

40-15-15-20 Mfd. at 475-350 150-25 Volts DC Working. Can Common Negative. 1 $\frac{3}{8}$ "x3".

**C2427—Your Cost..... 65¢**

20-10-20 Mfd. at 350-350-25 Volts. DC Working Volts. Can Common Negative. Size 2x1".

**C2428—Your Cost..... 60¢**

30-20-100 Mfd. at 150-150-12 DC Working Volts. Can Common Negative.

**C2430—Your Cost..... 39¢**



## "HARD-TO-GET" HARDWARE

All prices are on gross lots unless specified otherwise. Items marked \* are dozen prices on which there is a 10% discount when ordered in gross lots.

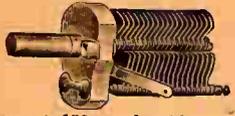
- Speed Nuts**
- C15451**—For 1/4" Mach. Screws Per Gross..... 42¢
- C15450**—For No. 10 Mach. Screws Per Gross..... 36¢
- Brass Spacers**
- C15453**—1/4" O.D., 3/8" L. for No. 6 Mach. screws. Per Gr. \*79¢
- 1/2" O.D. For No. 6 Screws 1/2" L. Per Gross..... 79¢
- C15454**—1/4" O.D., 3/4" L. for No. 6 Mach. screws. Per Gr. 89¢
- 1/2" O.D. For No. 6 Screws 3/8" L. Per Gross..... 89¢
- Brass Machine Screws**
- C15499**—4/36x1" Round Head Per Gross..... 74¢
- C15492**—4/36x1 1/2" Rd. Head Cap Screw. Per Doz..... \*15¢
- C15494**—4/36x2 1/2" Rd. Head Cap Screw. Per Doz..... \*15¢
- C15493**—6/32x1 1/2" Binder Hd. Per Doz..... \*18¢
- C15495**—6/32x2 1/2" Round Hd. Cap Screw. Per Doz..... \*22¢
- C15498**—6/32x3 1/2" Round Hd. Cap Screw. Per Doz..... \*34¢
- Pal Nuts**
- C15400**—For condensers with 13/16" threaded necks. Per Doz..... \*12¢
- Machine Screw Nuts**
- C15403**—1/4"—28x3/8" Hex Nuts. Per Gross..... 65¢
- C15406**—1/4"—20x7/16" Brass Hex. Nuts. Per Doz..... \*23¢
- C15407**—1/2"—24x3/4" Hex Nuts. Per Doz..... \*17¢
- Felt Bumper Feet**
- C15456**—1/2" O.D. with No. 8/32. Mtg. Screw 1/2" L..... \*15¢
- C15457**—3/4" O.D. with No. 10/32. Mtg. Screw 3/4" L. Per Doz..... \*16¢
- Self Tapping Screws**
- C15430**—4x 1/8" Hex Hd..... 26¢
- C15421**—6x 3/16" Hex Hd..... 26¢
- C15428**—6x 3/16" Binder Hd..... 29¢
- C15424**—6x 3/8" Hex Hd..... 36¢
- C15431**—6x 3/8" Binder Hd..... 36¢
- C15425**—8x 3/8" Hex Hd..... 35¢
- C15432**—8x 3/8" Binder Hd..... 35¢
- C15423**—8x 1/4" Binder Hd..... 39¢
- C15427**—8x 1/4" Hex Hd..... 63¢
- Fibre Washers**
- C15468**—5/8" O.D. 1/2" I.D. .041 thick. Per Gross..... 52¢
- Tubular Rivets (Solid Type)**
- C15442**—1/8" D x 1/4"..... 40¢
- C15443**—1/8" D x 1/2"..... 44¢
- Set Screws**
- C15445**—8/32x1 1/2" Hex Hd. Cup Point Set Screws..... 66¢
- Machine Screws**
- C15475**—5/40x1 1/2" Truss Head. Per Gross..... 61¢
- C15485**—6/32x3/4" R.H. Phillips Bronze Finish. Gross..... 29¢
- C15486**—6/32x1" Washer Hd. 45¢
- C15471**—6/32x1 1/2" Square Hd. Per Gr..... 72¢
- C15473**—8/32x3/4" Round Hd. with Lock Washer. Per Gross..... 36¢
- C15478**—8/32x1 1/4" Binder Hd. Per Gr..... 32¢
- C15480**—8/32x1 1/2" Binder Hd. Per Gr..... 39¢
- C15476**—8/32x3/4" Binder Hd. Bronze Finish. Gross..... 44¢
- C15482**—8/32x3/4" Binder Hd. 44¢
- C15488**—8/32x1 1/2" Flat Hd. Nickel Plated. Gross..... 51¢
- C15474**—8/32x2 1/2" Oval Hd. Cap Screw N.P. Finish. 61¢
- C15483**—10/24x1 1/2" Hex Hd. Cap Screw. Per Gross..... 85¢
- C15409**—3/8" Dia. x 3/4" Carriage Bolt. Per Doz..... \*14¢
- C15412**—1/2"x24x2" Hex Head Cap Screw. Per Doz..... \*22¢
- Steel Washers**
- C15459**—3/8" O.D. 1/2" I. D. .050 thick. Per Gross..... 35¢
- C15460**—1" O.D. 1 1/2" I. D. .085 thick. Per Gross..... 41¢
- C15461**—1" O.D. 1 1/2" I. D. .065 thick. Per Gross..... 40¢
- C15464**—1" O.D. 1 1/2" I. D. .032 thick. Per Gross..... 39¢
- C15465**—1 1/8" O.D. 1 1/2" I.D. .032 thick. Per Gross..... 42¢
- C15467**—1 1/8" O.D. 1 1/2" I.D. .051 thick. Per Gross..... 37¢
- Wood Screws**
- C15440**—43/64" Flat Hd. Bronze Finish. Per Gross..... 32¢
- C15438**—6x 3/8" Rd. Hd. Br. Fin..... 49¢
- C15435**—6x 1/4" Rd. Hd. Br. Fin..... 40¢
- C15434**—6x 1/2" Rd. Hd. Blued Finish. Per Gross..... 32¢
- C15436**—6x 1/2" Rd. Hd. Park-ized Finish. Per Gross..... 36¢
- C15437**—8x1" Rd. Hd. Bright Finish. Per Gross..... 56¢
- C15439**—10x1 1/8" Flat Hd. Bright Finish..... 62¢
- Lock Washers**
- C15447**—3/16" I. D. 1/2" O. D. External Teeth..... 40¢
- C15448**—3/8" I. D. 1 1/8" O. D. Internal Teeth..... 44¢

For Additional Savings Write For Quantity Prices.



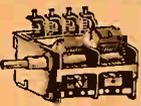
# SPECIAL VALUES *Quantities Limited*

## Midget Variable



Compact 130 mmf. midget variable condenser ideal for use in receivers, small transmitters, and experimental work. Has efficient wiping contact on rotor which insures absolute alignment, and ceramic insulation. Has 1/2" diameter shaft 3/4" long and mounts on panel or chassis by means of two 4/36 machine screws. Requires 1" x 1 1/4" panel space, extends 2" behind panel.  
**C10847—**  
**Specially priced..... 97¢**

## Push Button Gang Condensers



Don't overlook this double barrel opportunity! Here is your chance to convert that old set to a modern push button receiver... and at an unbelievable Low Price! May not be offered again for the duration. Compactly built two gang condensers with attached mechanical push buttons which are easily set and locked for any station. The four adjustable buttons do not interfere with regular tuning, and require only slight pressure to operate. Both units are 1 1/2" x 3" x 3" overall, and have 1/2" shafts extending 1 1/2". No push button knobs supplied. Counter-clockwise rotation.  
**C9725—Two gang 410 mmfd. with cut section with trimmer for 456 KC.**  
**Your Cost..... 59¢**  
**C9726—Two gang 410 mmfd. TRF. Less Trimmers.**  
**Your Cost..... 69¢**

## Auto Suppressors



Moisture proof. Heat resisting insulation. Fit all cars. Low d.c. resistance. Very highly resistant to ignition noises.  
**C5301—Spark Plug**  
**C5302—Distributor**  
**C5303—Slip-On**  
**Any Type, Each..... 36¢**  
**Per 10 Ass't..... \$3.24**

## ICA Standard Signal Gainer



Factory set impedance matching unit. Connects between antenna and set. Standard and pin plugs.  
**C8360—**  
**Each..... 73¢**

## Meissner Midget Align-Aire



Bakelite cased 1 to 12 mmfd. midget air trimmer. Mounts by means of bracket attached to movable element. Size 3/4" x 1 1/2" inches.  
**C9740—Your Cost..... 21¢**

## Dual Padder



Unusual value in a standard type of trimmer condenser. Dual ceramic padder, 10-140 mmfd. each section. Specially priced.  
**C9773—Your Cost..... 4¢**  
**10 for..... 35¢**

## Trutest Midget

### Single Gang Condensers



With all the features and characteristics of larger units. Ideal for limited space apparatus. Rotor and stator plates, firmly staked in position. Lo-loss bakelite insulation. Improved ball-bearing. Counter-clockwise rotation for all types. 1/2" shafts. Overall dim.: 1 1/2" x 1 1/2" x 1 1/2" deep. Less trimmers. Wt. 1 lb.  

No.	Mmfd.	Each
<b>C10189*</b>	15	<b>79¢</b>
<b>C10190*</b>	25	
<b>C10191*</b>	35	
<b>C10193*</b>	75	
<b>C10194</b>	100	<b>85¢</b>
<b>C10197</b>	365	

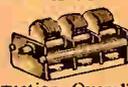
\*Double Spaced.



## Gang Condenser Assortment

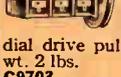
You don't have to pay high prices for high quality merchandise—not at Lafayette! Here are ten assorted gang condensers, all brand new, unused and every one precision made of finest quality materials to give long lasting, dependable service. All are standard sizes and capacities with many midget and TRF. Ideal all-around stock for replacement purposes. All are two and three gang units of standard make. We are grouping them because we do not have sufficient quantities for individual sales. Shipping weight 10 lbs.  
**C9700—Assortment of 10 popular gang condensers.**  
**Specially Priced..... \$1.29**

## 3 Gang 365 Mmfd. TRF Condenser



3 gang 365 mmfd. TRF condenser. Extra heavy construction. Overall size 3" wide, 1 1/2" high, and 4 1/2" deep. 3/8" shaft extends 3/4". Counter-clockwise rotation, less trimmers.  
**C9734—Shpg. wt. 3 lbs. 79¢**  
**Your Cost.....**

## 3-Gang TRF Condenser



Three gang .000365 clockwise TRF condenser. With 3 1/2" dial drive pulley attached. Shpg. wt. 2 lbs.  
**C9703—**  
**Specially Priced..... 89¢**

## 3 Gang 410 Mmfd. TRF Condenser



Three gang 410 mmfd. TRF condenser with trimmer on front section. 16-1 gear drive mounted on front of condenser with pulley for belt drive and 1/2" shaft extending 3/4" from pulley. Counter clockwise rotation. Overall size 2 3/4" high, 3 1/2" wide, and 3 3/4" deep exclusive of gear assembly. Wt. 2 lbs.  
**C9745—**  
**Your Cost..... 39¢**

## Two Gang TRF Condenser



Precision built of proved, dependable quality materials to stand up and deliver long lasting service. Order now, while still in stock. Small size two gang TRF condenser without trimmers with 3/8" shafts extending 1 1/2". Overall size 2 3/4" wide, 2 1/2" deep and 1 3/4" high. Clockwise rotation.  
**C9732—410 mmfd. each section.**  
**Your Cost..... 39¢**

## 3 Gang 450 Mmfd. TRF Condenser



Three gang 450 mmfd. TRF condenser, heavily constructed. Overall size 3 1/2" wide, 1 1/2" high and 5" deep. 3/8" shaft extends 1 1/2". Counter-clockwise rotation, less trimmers.  
**C9735—Shpg. wt 3 lbs. 79¢**  
**Your Cost.....**

## Molded Bakelite Sockets



No.	Prongs	Each	10 For
<b>C13090</b>	4	<b>24¢</b>	<b>\$2.16</b>
<b>C13091</b>	5		
<b>C13092</b>	6	26c	\$2.34
<b>C13093</b>	7		
L & S			
<b>C13080</b>	8	<b>29¢</b>	<b>\$2.61</b>

## Combination Sockets

**C13095—1, 5, 6 prong**  
**C13096—5, 6, small 7 prong**  
**10 for \$2.16**  
**Each, Either Type..... 24¢**

## No. 12 EBY Sockets

Molded Bakelite. For sub or top of panel mount. Firm gripping positive contacts.



No.	Prongs	Each	10 For
<b>C13072</b>	4	<b>24¢</b>	
<b>C13073</b>	5		
<b>C13076</b>	6	27c	
<b>C13077</b>	7 L & S	<b>29¢</b>	
<b>C13079</b>	8 octal		

## Sockets

**C13126—Midget wafer octal sockets, 1 1/2" mounting centers.**  
**Specially Priced Each..... 5¢**  
**10 for..... 45¢**  
**C13136—Midget molded octal sockets, 1 1/2" mounting centers with metal mounting plate and four ground lugs.**  
**Specially Priced, Each..... 5¢**  
**10 for..... 45¢**  
**C13180—Octal 6 prong wafer type socket. 1 1/2" in. mounting center. Pins 4 and 6 Blank.**  
**Specially Priced, Each..... 4¢**  
**10 for..... 35¢**  
**C13107—Octal socket with metal mounting plate 1 1/2 in. mounting center.**  
**Specially Priced, Each..... 5¢**  
**10 for..... 45¢**  
**C13127—Octal Wafer socket 1 1/2" mounting centers. 5¢**  
**10 For..... 45¢**

## Wafer Sockets



Sturdily constructed of laminated Bakelite. Heavily-plated, self-aligning, floating one-piece contacts. Midgets have 1 1/2" centers; standard 1 1/2".

## Standard Size

Stock No.	Prongs	Your Cost Ea.
<b>C13070</b>	Four	<b>5¢</b>
<b>C13078</b>	Five	
<b>C13071</b>	Six	
<b>C13069</b>	7, small	
<b>C13074</b>	7, large	
		<b>10 For..... 45¢</b>

## Midget Size

No.	Prongs	Each	10 For
<b>C13114</b>	Four	<b>5¢</b>	<b>45¢</b>
<b>C13115</b>	Five		
<b>C13121</b>	Six		
<b>C13122</b>	7, small		
<b>C13125</b>	7, large		
<b>C13127</b>	8, octal		

## New Wafer Loktal

1 1/2" Mtg. Centers. Each 10 For  
**C13075—8 prong. 6c 55c**

## "Miniature" Wafer

For the ultra-compact all glass tubes (3/8" dia) 7-pin type. Mtg. center, 5¢  
**C13097—Each..... 5¢**  
**10 For..... 45¢**

## Serviceman's Special



Molded socket. Replaces wafer types. Mounting centers 1 1/2".  

<b>C13174</b>	4 pr.	<b>5¢ Ea.</b>
<b>C13176</b>	5 pr.	
<b>C13177</b>	6 pr.	
<b>C13178</b>	7 pr. S.	
<b>C13107</b>	8 (octal)	
<b>Quantity Limited.</b>		<b>25 for \$1.10</b>

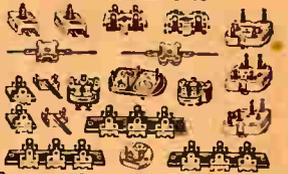
## Slide Rule Books



**Instructions for Using Slide Rules**  
 Handy 20-page volume on Slide Rule Instructions. Gives practical problems, conversion factors, etc.  
**C20213—**  
**Specially Priced..... 5¢**

**Stanley's Slide Rule Practice**  
 Over 32 pages of practical slide rule instructions as they apply to everyday problems. Gives 300 examples and answers.  
**C20214—Specially Priced..... 7¢**

## Trimmer Condenser Assortment



Twenty—Assorted Trimmer and Padder Condensers in regularly used capacities. All are mostly ceramic, standard types. You can't beat a value like this.  
**C10203—Quantity Limited!**  
**Specially Priced..... 89¢**

## Terminal Strips



Hi-quality bakelite terminal strips, 1/4" thick. Plain, no markings.  

No.	Terminals	Each	10 For
<b>C13145</b>	2	6c	52c



# SPECIAL VALUES *Quantities Limited*

## SHURE MAGNETIC RECORDING HEAD



High quality, wide-response record cutter, ideal for use in home recording equipment. Standard replacement for thousands of magnetic cutters which are in service today. With a few minor circuit changes, will replace crystal cutting heads and provide more lasting service. Designed to operate directly from voice coil winding of output transformer, with stiff moving, but highly sensitive, recording element to permit cutting of practically all recording materials. Exceptionally rugged and stable under all climatic conditions. Will match 4-8 ohm voice coil windings. No mounting brackets are provided, but tapped mounting holes facilitate re-use of brackets on unit to be replaced. Size  $2\frac{3}{4} \times 1\frac{1}{2} \times \frac{3}{8}$ " with needle screw and 4-inch flexible leads. Steel alloy-tipped or sapphire cutting stylus may be used. Less stylus. Shpg. wt. 8 oz.

**C13799—Your Cost..... \$4.95**  
In 100 lots..... \$4.50

## RCA CAPACITY-OPERATED ELECTRONIC CONTROL

Employs no light source yet at the approach of any human or animal, relay is momentarily tripped. Can be used with manual or electrical reset relay to provide continuous contact after actuation. Ideal for protecting safes, industrial machinery, counting livestock, etc. Protects an area within several feet from the control in all directions at once. Sold complete with 6SQ7, 6F8G, VR-150-30 and 6X5 tubes and full operating instructions. For 110 V. 60 cycles AC only. Size:  $12 \times 4\frac{1}{2} \times 6\frac{1}{4}$ ". Shpg. wt. 6  $\frac{1}{2}$  lbs.



**C17193—RCA No. 41903 Your Cost..... \$6.95**

## GAROD Permatone Phono Needle

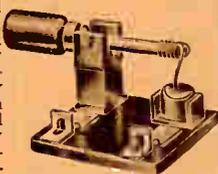
A perfect needle, used in preference to jewels, for automatic record changers. Smooth tip protects and preserves record life, gives full tonal reproduction and minimizes surface noises. Ideal for radio combinations.



**C167—Standard. Plays over 1500 recordings. Your Cost..... 29¢**  
**C168—Superior. Plays over 4000 recordings. Your Cost..... 59¢**  
**C169—DeLux. Plays over 7000 recordings. Your Cost..... 88¢**

## Crystal Detector

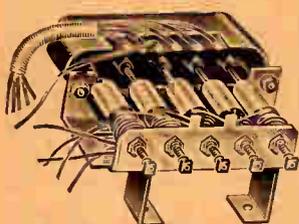
Ball and socket swivel arm for contacting any point on crystal quickly and easily. Attractively mounted. Furnished with crystal that is tested for extra sensitivity. Clip terminals.



**C13317—Complete..... 14¢**  
10 For..... \$1.26

**NOTE:**  
For Galena Crystals, Cat Whiskers and other crystal detectors see page 99.

## PERMEABILITY TUNED COIL ASSEMBLY

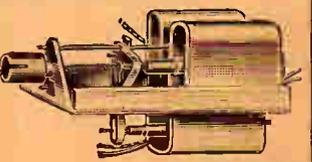


A timely value priced extra low to give you bigger savings. Complete permeability tuned oscillator and antenna coil assembly consisting of five separate sets of oscillator and antenna coils to cover a frequency range of 540 to 1600 KC. Each set of coils has an individual adjustment for setting stations and each antenna coil has a separate adjustment in order to insure proper tracking. Using this coil assembly and a six button push button switch (not supplied) this coil asper with 456 KC IF to a modern tracking. This set do not have to be removed, and manual tuning is in no way affected by installation of this unit. Overall size  $4 \times 3\frac{1}{4} \times 1$  inch with tapped mounting bracket which will mount unit  $1\frac{1}{2}$ " above chassis.

**C9973—Shpg. wt. 1 lb. Your Cost..... 98¢**

## PERMEABILITY TUNING ASSEMBLY

Antenna, RF, and oscillator coil assembly permeability tuned. Separate adjustment for each coil to insure tracking. A sturdy, shockproof unit covering 540 to 1600 KC, it requires no tuning condenser. Designed for 456 KC IF frequency. Each coil has individual copper shield can. Overall size  $2\frac{1}{2} \times 2\frac{3}{8} \times 4$ " with three tapped holes for mounting. Shpg. wt. 2 lbs.



**C9974—Your Cost..... \$3.50**

## CHAMPION Code Key

Here is your chance to buy a really fine telegraph key—and at a real saving! It will last for years, because despite the low price, there's been no compromise with quality. Heavy black-wrinkled cast base,  $\frac{3}{16}$ " aligned contacts, and chrome-plated key arm, with tension and side play fully adjustable.



**C14068—Specially Priced..... \$1.95**

## 3 Mfd. 3000 V. Oil-filled Capacitor



Oil impregnated and filled—permitting efficient operation over widest range of temperature. Hermetically sealed case unaffected by time, humidity or operating temperatures. High-glass porcelain insulators. Non-corrosive and lacquer finished lead coated steel case. Conservatively rated. 3 Mfd. 3000 V.D.C. Dimensions:  $6 \times 3\frac{1}{4} \times 1\frac{1}{2}$ ". Shpg. wt. 6 lbs.

**C3133—Your Cost..... \$8.97**

## 6 Mfd. 600 V. Capacitor

Same construction as above but with riveted lug terminals. Uses highest grade condenser tissues insuring a long life. 6 Mfd. 600 V.D.C.  $4\frac{3}{4} \times L. \times 3\frac{3}{4} \times W. \times 1\frac{3}{8} \times D.$  Shpg. wt. 2 lbs.



**C3134—Your Cost..... \$3.29**

## Aerovox 2 Mfd. 3000 V. Capacitor



Impregnated and filled with "Hyvol," the new super-dielectric oil. Hermetically sealed in sturdy welded-steel aluminum finished cans, leakproof and seepage-proof. High tension pillar terminals fitted with locknuts and soldering lugs. Exceptionally compact. Excellent for transmitters, amplifiers, etc. Provided with the new universal mounting bracket for mounting any height above or below chassis platform.  $4\frac{1}{2} \times 3\frac{1}{2} \times 4 \times 3\frac{3}{8}$ ". Shpg. wt. 3 lbs. 2.0 Mfd. 3000 V.D.C.

**C4825—Your Cost \$10.58**

## 4 Mfd. 600 V. Capacitor



Oil filled and impregnated transmitting condenser. 4 Mfd. 600 V.D.C. Riveted lug terminals.  $3\frac{1}{4} \times L. \times 1\frac{1}{2} \times D. \times 2\frac{1}{2} \times W.$  Wt. 1 lb.

**C4800—Your Cost..... \$2.94**

## IF TRANSFORMERS

Outstanding in quality at amazingly low prices. High quality double-tuned air-core IF transformers in matched sets, one standard size and the other midget. Double tuned with compression type mica trimmers from top of can. RMA color coded full length leads. Shpg. wt. 1 lb.



**C10067—456 KC Input with grid lead from top of can. With grid clip. Size  $1\frac{1}{2} \times 1\frac{1}{2} \times 2\frac{1}{2}$ ".**  
**C10068—Matched 456 KC Output. Size  $1\frac{1}{2} \times 1\frac{1}{2} \times 2\frac{1}{2}$ ".**  
**C10069—456 KC Input. Size  $1\frac{1}{2} \times 1\frac{1}{2} \times 3$ ".**  
**C10070—456 KC Matched Output. Size  $1\frac{1}{2} \times 1\frac{1}{2} \times 3$ ".**  
**Your Cost, any type, ea. 44¢**

## Input or Output IF Coil



High gain 262 KC IF coil with RMA color coded leads. Double tuned, with compression type mica trimmers accessible from bottom of can. Size:  $1\frac{1}{2} \times 1\frac{1}{2} \times 2\frac{1}{2}$ ".

**C10076—Your Cost..... 19¢**

## ICA Portable Jacks

Single Open Circuit

Accurately machined jacks for ICA and other make phone plugs. Barrel molded of black bakelite. Overall size  $1\frac{3}{4}$ ". Diameter  $\frac{3}{8}$ ". **C14957—Your Cost..... 41¢**

## Special Value Metal Phone Plugs



Nickel plated brass phone plug for 1 or 2 sets of cords. Fully insulated bushing.  $3\frac{1}{4}$ " long,  $\frac{1}{2}$ " diam. **C14970—Your Cost. Each..... 53¢**  
10 For..... \$4.75  
"Stubby" Metal Plug  
As above,  $2\frac{1}{4}$ " overall. **C14959—Your Cost, ea. 42¢**  
10 For..... \$3.75

## Volume Control and Switch



Small diameter controls for use in midget radios. Noiseless elements of extra-hard composition.  $1\frac{3}{4}$ " shafts extending from  $\frac{3}{8}$ " bushing,  $\frac{7}{8}$ " behind panel. Supplied with switch. A high quality unit at a very low price. Dependable performance.

Each  
**C8124—1,000 ohms 39¢**  
**C8120—250,000 ohms 39¢**  
**C8122—1 Meg. 36¢**  
Lots of 5, Each..... 36¢



## Shorting Switch

Four pole, 3 position shorting type wave band switch. Shorts out unused coils. Quantities are limited and cannot be furnished at these prices after the present supply is depleted.

**C12829—Specially Priced. 19¢**

## Shielded Antenna Coil

Small size, high impedance coil with lug terminals. Tunes 550 to 1600 KC with 365 mmfd condenser. Fully shielded with grid lug on top of can. Size  $1\frac{1}{2} \times 1\frac{1}{2} \times 2$ ".



**C10074—Your Cost..... 29¢**

## Permeability Tuned Oscillator Coil

Midget 262 KC oscillator coil on ceramic low-loss form with protective cardboard cover. Tunes 550 to 1600 KC with 365 mmfd TRF condenser and 750 mmfd series fixed padder. With color coded leads.

**C10075—Your Cost..... 19¢**

## TRUTEST Litz-Wound AC-DC Coils

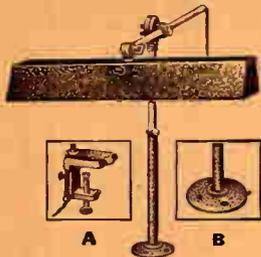
175-550 Meters Matched high-gain coils furnished unshielded for use in t.r.f. receivers. High impedance primaries with 4-bank Litz-wound secondaries.  $2\frac{1}{2}$ " long,  $\frac{3}{8}$ " diam. Tunes with .000365 mfd., condenser. With mtg. brackets and diagrams.



**C10012—Antenna coil. Your Cost Each..... 30¢**  
**C10095—R.F. Coil. Your Cost Each..... 59¢**  
**C10096—Set of 2 Coils..... 59¢**

# Fluorescent Lighting

## MITCHELL Adjustable Bench Lamp



C25492—(A) Clamp-on mounting with adjustable screw opening of 2 inches.  
 C25493—(B) Screw-on flange for flush mounting on benches, walls, ceilings, etc.  
**Your Cost, Either Type..... \$6.50**

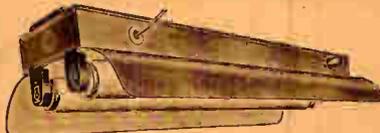
## MITCHELL Daylight Desk Lamp

- ★ Morocco Brown Finish
- ★ Underwriters' Approved Materials
- ★ Instantaneous action ON-OFF switch
- ★ Convenient pen trough
- ★ Uses a 15-watt T-8 Fluorescent bulb

A handsome lamp, rich and graceful in design—sturdy and substantial with a miraculously high lighting performance. Parabolic shaped chip-proof white enamel reflector concentrates light forward to provide an even and useful light over an entire desk area. Stands 14 1/2" high. Shade is 18" long. Base measures 10" long, 5 1/2" wide. Complete with Approved cord and plug. Shpg. wt. 12 lbs. For 110-125 volts, 60 cycle, Alternating Current.  
 C25682—  
**Your Cost \$4.54**



## Compact All-Purpose Industrial Unit



**Handy Portable Unit**  
**Easy to install**  
**Hang it up!**  
**Plug it in!**

For high intensity, localized lighting of production, assembly, and inspection lines, over benches, machines, tables. Complete with 6 ft. cord and plug. Knockouts at both ends are provided for rigid (conduit) mounting, singly in twin groups, or continuous rows. Twin steel wireway construction. Attractive gray outside, high gloss, hard finish white inside. Latest type Ballasts, sockets and FS-2 starters. **Specialty Designed Reflector to provide maximum light output. Uses two 20 watt lamps.** Operates on 110-125 V. 60 cycles, A.C. 4 1/2"x24"x9 1/2". Shpg. wt. 8 lbs.  
 C25683—Your Cost..... **\$6.50**

## Industrial Units For Individual and Continuous Row Lighting



No tools needed! Units may be locked together end to end in continuous rows by removing wireway end caps and replacing with "Couplers" which join wireway channels. Consists of new, advanced type steel wireway channel with removable end caps, approved type Tulamp Ballast, two end-pieces holding sockets, starters, and reflector. Finished in high gloss Baked Enamel, gray outside and white inside. Completely wired, ready for hanging. **Uses two 40-watt T-12 Lamps.** 50" long, 14" wide, 9 1/2" high. Shpg. wt. 26 lbs. Operates on 110-125 volts, 60 cycle A.C. Power Factor over 90%. Stroboscopic corrected.  
 C25684—Your Cost..... **\$11.73**  
 Similar to above, but for high level, large area illumination, as it provides maximum light output per unit. Permits wider spacing of units or rows. This means large savings in installation costs. **Uses two 100-watt T-17 bulbs.** 61" long, 16" wide, 11" high. **\$21.23**  
 C25685—Shpg. wt. 49 lbs. **Your Cost.....**  
 Both units have the Underwriters Laboratories and ETL approval.

**NOTE: Write for complete catalog of industrial light fixtures and accessories. Please extend highest priority.**



## GE Mazda Fluorescent Lamps



"White" lamps provide a quality of light approximating that of an ordinary incandescent lamp. "Daylight" lamps approximate that of ordinary daylight. All supply several times the usable light output of ordinary incandescent lamps. Rated life better than 2500 hrs.

White Daylight		Dimen.		Lots		Lots		Ea.	
Stk. No.	Stk. No.	L x D	Watts	Ea.	of	Ea.	of	Ea.	of
C25533	C25534	T5	9x 5/8"	6	\$0.70	8	\$0.56	24	\$0.53
C25527	C25528	T5	12x 5/8"	8	.80	7	.64	24	.60
C25496	C25497	T8	18x1"	15	.57	9	.46	24	.43
C25525	C25526	T12	18x1 1/2"	15	.70	8	.56	24	.53
C25529	C25530	T12	15x1 1/2"	14	.70	8	.56	24	.53
C25535	C25536	T12	24x1 1/2"	20	.70	8	.56	24	.53
C25537	C25538	T8	36x1"	20	.70	8	.56	24	.53
C25539	C25540	T12	48x1 1/2"	40	.95	6	.76	24	.71
C25531	C25532	T17*	60x2 1/2"	100	2.15	3	1.72	12	1.61

\*100-watt lamps have mogul 2-pin base; all others have standard 2 pin base. Approx. shipping weights: 6 and 8-watt—1 1/2 lbs.; 14, 15, 20-watts—2 lbs.; 30 and 40 watt—3 1/2 lbs.; 100-watt—8 lbs.  
**NOTE: When purchasing lamps with any fluorescent fixture listed use list "Lots of" price instead of single price.**

## Fluorescent Sockets



For T-8 and T-12 lamps. Combination sockets include socket for starter. All are molded of durable heatproof plastic having a high insulating value. T17 sockets include one plain and one combination socket.

No.	Each
C13803—Comb. black.....	28c
C13804—Comb. white.....	30c
C13805—Plain black.....	16c
C13806—Plain white.....	18c
C13807—Starter only.....	13c
C13801—Comb. White.	
For T-17 lamps. Per Pair	<b>93¢</b>
C13808—Plain Black.	
For T-5 lamps. Per Pair	<b>64¢</b>



## Fluorescent Starter Switches

C13802—FS-5. For 6" 4-W.; 9" 6-W and 12" 8-W. lamps. **32¢**  
**Your Cost.....**  
 C13810—FS-2. For 18" 15-W.; 24" 20-W. lamps.  
 C13811—FS-4. For 36" 30-W.; 48" 40-W. lamps.  
 Either Above..... **27¢**  
 Each.....  
 C13820—FS-7. For 36" 65-W. lamps.  
 C13813—FS-6. For 60" 100-W. lamps.  
 Either Above..... **60¢**  
 Each.....

## Industrial Light Accessories

C25690—U/L Approved Cord and Plug set 6 1/2' long with ground lead and bushing. **65¢**  
**Your Cost.....**  
 C25691—Levolier Switch with pull chain. **Your Cost..... \$1.11**  
 C25692—8" Electro Galvanized Tenso Chains with S Hooks. **Per Pair..... 49c**

## Fluorescent Ballasts



High power factor (H.P.F.) units have a factor of from 90 to 100%. Normal power factor (N.P.F.) units from 55 to 63%. All units are Underwriters Approved. All ballasts are for 105-125 V. 60 cyc. A.C.

SINGLE LAMP H.P.F.				SINGLE LAMP N.P.F.			
Lamp	Stock	Wt.		Stock	Wt.		
Watts	No.	Lbs.	20 or Over	No.	Lbs.	Ea.	20 or Over
15	C25612	3	\$2.35 \$2.02	C25616	2	\$0.56	\$0.48
20	C25613	3	2.35 2.02	C25617	2	.56	.48
30	C25614	5	3.65 3.13	C25618	3	2.06	1.76
40	C25615	5	3.65 3.13	C25619	3	2.06	1.76

## TWO LAMP H.P.F.

Have built-in compensator for quick starting of second lamp and to minimize stroboscopic effect.

Lamp	Stock No.	Shpg. Wt.	YOUR COST	20 or Over
15 Watts	C25608	4 lbs.	\$3.34	\$2.87
20 Watts	C25609	4 lbs.	3.34	2.87
30 Watts	C25610	7 lbs.	5.06	4.34
40 Watts	C25611	7 lbs.	4.80	4.12

## SPECIAL TWO LAMP H. P. F.

Reduced Stroboscopic effect. Requires no compensator.  
 Lamp Stock No. Shpg. Wt. **YOUR COST** 20 or Over  
 2 40 Watts C25605 4 1/2 lbs. \$4.29 \$3.68  
 Dual 100 watt power factor corrected ballast. 2 3/4"x3 1/8"x19 1/2"  
 C25622—14 1/2 lbs. **Your Cost \$8.40**

## 6-Watt Ballast and Socket

6-watt Ballast with built-in socket for starter. For 110-125 V. 60 cycles A.C. Less starter. Wt. 3 lbs.  
 C25624—Your Cost..... **90¢**



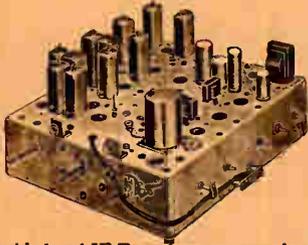
## CLAROSTAT Fluorescent AC to DC Conversion Ballasts

Fluorescent desk lamps designed for operation on AC may be used on DC of equivalent voltage by using one of these ballasts. Ballast has a receptacle at one end and a standard two-prong plug at the other. Ballast is first plugged into the power line outlet and the lamp plug is then inserted into the ballast. Employs a glass-insulated resistor.  
 3 3/8"x1 1/2" Wt. 2 lbs.  
 C13818—195 ohms for use with 15-watt lamps on 120 V. DC.  
 C13819—144 ohms for 20-watt lamps on 120 V. DC.  
**Either Type, Your Cost..... 98¢**



# SPECIAL VALUES *Quantities Limited*

## RCA TELEVISION CHASSIS



A remarkable buy in one of the finest television receiver chassis ever manufactured! Complete sound and picture channels for 5 bands, 44-50 MC, 50-56 MC, 66-72 MC, 78-84 MC and 84-90 MC. Overall video band width, 4 MC. Scanning is interlaced, 441 lines. Of course we removed the tubes and sent them to war, but the parts alone are worth more than the price we are asking. Includes a complete High-Frequency band switching coil assembly with coils wound on polystyrene forms, 11

wide band IF Transformers wound on Styrol (Humidity-resisting) forms, over 75 tubular by-pass condensers and FP type filter condensers, over 100 resistors, 7 potentiometers, statite sockets, numerous chokes, etc. All components are ideal for high-frequency experimentation. Chassis measures: 17x16x8 1/2 ins. overall. Uses 3 6AC7, 2 6J5, 5 6AB7, 2 6H6, 1 6SQ7, 1 6SK7, 4 6N7, 1 6Y6G, 1 6L6, 1 5V4G and 1 1803-P4 or 1 1804-P4 (No tubes are supplied). Complete with circuit diagrams and instructions. Shpg. wt. 23 lbs.

**C2263—Specially Priced..... \$29.50**



## GE Mazda Fluorescent Lamps



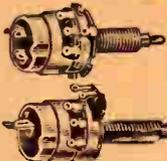
"White" lamps provide a quality of light approximating that of the ordinary incandescent lamp. "Daylight" lamps approximate that of ordinary daylight. All supply several times the usable light output of ordinary incandescent lamps. Rated life better than 2500 hrs.

White Stock No.	Daylight Stock No.	GE No.	Dimen. LxD	Watts	Each	Lots of Each	Lots Each
C25533	C25534	T5	9x 5/8"	6	\$0.70	8 \$0.56	24 \$0.53
C25527	C25528	T5	12x 5/8"	8	.80	7 .64	24 .60
C25496	C25497	T8	18x1"	15	.57	9 .46	24 .43
C25525	C25526	T12	18x1 1/2"	15	.70	8 .56	24 .53
C25529	C25530	T12	15x1 1/2"	14	.70	8 .56	24 .53
C25535	C25536	T12	24x1 1/2"	20	.70	8 .56	24 .53
C25537	C25538	T8	36x1"	30	.70	8 .56	24 .53
C25539	C25540	T12	48x1 1/2"	40	.95	6 .76	24 .71
C25531	C25532	T17*	60x2 1/2"	100	2.15	3 1.72	12 1.61

\*100-watt lamps have mogul 2-pin base; all others have standard 2-pin base. Approx. shipping weights: 6 & 8-watt—1 1/2 lbs.; 14, 15, 20-watt—2 lbs.; 30 & 40 watt—3 1/2 lbs.; 100-watt—8 lbs.

**NOTE:** When purchasing lamps with any fluorescent fixture listed use 1st "Lots of" price instead of single price.

### Auto Radio Volume Control Kit



FOR LATE MODELS

A selection of three hard-to-get dual tone and volume controls for late model auto sets. Includes control with SP3T tone switch front section and 1 Meg. rear section tapped at 275M Ohms, control with 275M Ohm front section and 1 Meg. rear section tapped at 300M Ohms and control with 350M Ohm front section and 1 Meg. rear section tapped at 275M Ohms. All controls have long bushings and are complete with power switch. Front sections operate with the familiar wing knob and rear section by regular 3/8" auto knobs. No knobs are supplied with this kit. Shpg. wt. 1 lb. **C12957—Your Cost \$59¢ per Kit of 3.**

### Push Button Switch



Six button switch, one button three pole double throw, rest are double pole, single throw, non-shorting. Less knobs. **C9582—Specially Priced..... 79¢**



500,000 OHM MIDGET VOLUME CONTROL with SPST Switch. Split

Knurl Shaft 1" long. **C8130—Your Cost..... 43¢**

500,000 OHM VOLUME CONTROL. Same as above but with Split Knurl Shaft 1 1/8" long, with SPST Switch. **C8132—Your Cost..... 43¢**

3 MEGOHM VOLUME CONTROL TAPPED at 1 Megohm 1/4" shaft 2" long. Less Switch. **C8135—Your Cost..... 37¢**

375,000 OHM VOLUME CONTROL with 1/4" Round Shaft 1 1/8" Long. Less Switch. **C8136—Your Cost..... 34¢**

DUAL VOLUME CONTROL 2 MEG FRONT 40 M Rear. Can be used in Bass-Treble Boost Tone Circuits. 1/4" round shaft, 1/2" long from bushing. **C8137—Your Cost..... 47¢**

### Antenna Connector

Two-piece metal container, fibre inside insulation. 12 for..... **65¢**  
**C16714—Your Cost..... 6¢**

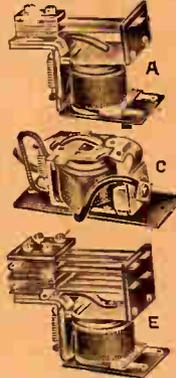
## RELAYS at a SAVING!

### LEACH 4-Pole Relay



A heavy duty relay with two sets of SPDT contacts, and two sets of SPST contacts, normally open. All metal parts are brightplated and all soldered joints are carefully enamelled to prevent corrosion. Contact arms and springs are heat-treated beryllium copper, and contact are 1/4" pure silver, slightly crowned. Each set of contacts is rated at 6 amperes at 115 volts AC. Relay coil consumes 6 VA at 115 volts AC. Normal pull-in voltage, 92 volts; drop-out voltage 75 volts. Base and insulation are natural brown canvas bakelite. Base size 3 1/4" square, 1/4" thick. Overall height 1 1/2". Shpg. wt. 1 lb. **C14251—Leach No. Z129BF—Your Cost \$3.95**

### RELAYS



Sturdy, compact relays of nationally known manufacture, with heavy wiping contacts, high grade insulation and rigid construction throughout, insuring dependable trouble-free operation and long life.

(A) SPST Contacts, normally open, with 6 volt AC coil **C14306—Your Cost 93¢**

(B) SPST Contacts, normally closed, 110 volt AC coil. **C14308—Your Cost \$1.17**

(C) Midget type, SPST Contacts, normally closed 110 volt AC coil. **C14307—Your Cost \$1.00**

(D) Midget type DPST Contacts, normally open, 110 volt AC coil. **C14309—Your Cost \$1.30**

(E) Three sets SPST Contact, normally open, one set SPST contacts, normally closed, 110 volt AC coil. **C14310—Your Cost \$1.97**

### STEPPING RELAY

Eleven position stepping relay complete with three switch sections already mounted. One switch section is S.P. eight position shorting type one section is S.P. four position, and remaining section is D.P. eleven position. These switch sections may be removed and standard switch sections with the desired contact arrangements easily substituted. An ideal unit for simultaneous remote control changes in several circuits or for quick coil changes in transmitters, etc. Relay coil operates on 6 Volts DC. Shpg. wt. 1 lb. **C14250—Your Cost \$59¢**



### REMOTE CONTROL RELAY

Consists of SPST-relay, contacts normally open, with 6.3 volt AC coil with DC resistance of 2.2 ohms, mounted in sturdy metal box measuring 3 1/4x3x2" with 20' cord and plug for connection to AC line, and 6 ft. cord and socket. Relay coil is connected to standard polarized AC socket mounted on box, and has sufficiently low resistance so that if connected in series with an appliance drawing between 1 and 2 amps, the relay will close and turn on another appliance automatically. Contacts will handle approximately 1000 VA AC non-inductive load. **C14246—Shpg. wt. 2 lbs. \$1.39 Your Cost**



### Haydon Timing Motors

For operating timing devices, models or for any application where a small, silent, dependable motor is required. Completely encased with plastic window to indicate when motor is running. One-eighth inch shaft extends 1/8" from rear of motor. Operates on 115 volts 60 cycle AC at 5 revolutions per minute. 6 in. leads. 2 3/8x2 1/8". Compact, powerful motors. Shpg. wt. 1 lb. **C14706—Right Hand Rotation. \$1.29**  
**C14703—Left Hand Rotation. \$1.29**  
**Your Cost, Ea. \$1.29**  
**Either Type \$1.29**



### JANETTE ROTARY CONVERTER



A dependable, quiet power unit which delivers 110 V AC at 225 watts from 32 volt DC line. Janette type CA-16, complete with rubber connecting cords for 32 volt source and 110 volt output. Less radio filter. Rubber mounting feet for quiet operation. Shpg. wt. 26 lbs. **C17228—Your Cost \$32.63**



# Transmitting KEYS and ACCESSORIES

## SIGNAL Practice Key Model R-50

Cast base black ripple finish. Coin silver contacts. Parts are heavily plated. Easily adjustable. Shpg. wt. 1 lb. **C14009—Your Cost. \$1.03**

## SIGNAL Key With Switch

A telegraph key with a switch to close the contacts. Polished lacquered brass base. Shpg. wt. 1 lb. **C14017—Your Cost \$2.00**  
**C14005—Less Switch..... \$1.65**

## "Original" Vibroplex



For all types of communications work where speed and perfect Morse are essential. Single lever. Two pairs of contact points; one for dots, other for dashes. Easy to adjust. Has unlimited sending possibilities. Polished parts with black base. Supplied complete with cord and wedge. Shpg. wt. 5 lbs. **C14057—Your Cost..... \$15.95**

## SIGNAL Model R-68 Code Practice Set



Key and high frequency buzzer on a polished hardwood base. Hook battery to terminals (1 1/2 volt cell required, not supplied) and it is ready to operate. Metal code plate on base. Wt. 2 lbs. **C14001—Your Cost \$2.35**

**Type R-60 BUZZER ONLY:** Fully adjustable. Has standard resistance of 2 ohms. Black crystal lacquer finish. **C14006—Your Cost.... 73¢**

## "Champion" Vibroplex



Inexpensive and has exceptional sending qualities; clarity, speed and ease of operation. Single lever with two pairs of contact points (one for dots, one for dashes). Easy to adjust. Black crystal finish metal base. All parts above base in bright finish. With cord and wedge. Shpg. wt. 4 lbs. **C14058—Each..... \$9.95**

## Carrying Case For Keys



Plush-lined case finished in handsome black morocco. Reinforced corners. Flexible leather carrying handle. Has lock and key. Inside dimensions: 6 1/4" long, 3 3/4" wide, 4 1/4" high. Shpg. wt. 3 lbs. **C14059—Your Cost Each..... \$3.50**

## SPEED-X KEYS and ACCESSORIES

### Model 321 Senior Key

Heavy duty hand key with 1/4" pure silver contacts. Navy type knob. Die cast heavily plated base and key arm. Adjustable steel bearings; concealed brass connector strip. Shpg. wt. 2 lbs. **C14039—Your Cost.. \$2.35**

### Model 300 Practice Key

Has two adjustments. Base of molded bakelite. 1/4" coin silver contacts. Machined parts in bright finish. Wt. 1 lb. **C14041—Your Cost..... 88¢**  
**Mod. 305.** As above, with metal base. **C14053—Your Cost..... \$1.03**

### Model 310 Manual Key

Heavy die-cast metal base finished in black wrinkle enamel. Smooth adjustable bearings. 1/8" pure silver contacts. Low cost key for light duty work. Shpg. wt. 1 lb. **C14051—Your Cost. \$1.47**  
Like above, but with switch. **C14052—Your Cost..... \$1.76**

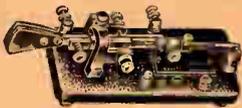
### Constant Tone Buzzer

Black bakelite base and cap. Silver contacts. Adjustment on vibrator. Resist. 2 ohms. Operates on 2—1 1/2 v. cells or "C" battery. **C14021—Your Cost. 73¢**  
**C19840—1 1/2 V. cells. Ea..... 4 1/2¢**  
**C20181—"C" Batt. Ea..... 30¢**

### Model 301 Key

General purpose key with molded black bakelite base. Well insulated. Adjustable bearings. 1/4" silver contacts. **C14040—Each..... \$1.26**  
As above, with switch. **C14044—Your Cost..... \$1.47**

### Model 515 Hi-Speed Key



Sturdy, heavy duty high speed key for communications work. Has two sets of 3/8" silver contacts. Metal parts heavily plated; base has black wrinkle finish, is 3x6 1/2x 3/8". High quality construction. Less switch, cord and plug. Shpg. wt. 4 lbs. **C14033—Each..... \$5.44**  
Cord and plug for above. **C14054—Your Cost..... 59¢**

### Code Practice Set

**Model 450**  
Comprises a constant frequency adjustable buzzer and a standard hand key with 1/8" silver contacts, mounted on a brown bakelite base 6x4". Metal parts plated. Code card included. Uses 2—1 1/2 volt cells (not included). **C14027—Single Set. \$1.62**  
**Your Cost..... \$1.62**  
**C19840—1 1/2 V. cell. Ea..... 4 1/2¢**

## G.L. Automatic Tape Senders



Model J. Compact, easy to operate and highly accurate. Blank tape is spaced and punched, then run through the sender at speeds from 10 to 60 words per minute. For 110-120 volts a.c. With cord and plug. 5x5x3". Supplied with 5 rolls of blank tape. **Shipped Postpaid in U.S.A. C14022—Each \$12.50**  
**C14023—1000 Ft. Roll Tape. \$1.00**



Model S. Deluxe compact automatic tape sender. Has silent 110 volt a.c. motor providing variable speed from 4 to 60 words per minute. Only 3 controls motor switch, contact switch and speed control. Terminals for osc. or buzzer. With 10 rolls double perforated tape (20 practice lessons). 5 1/2x1 1/2x 6". **Shipped Postpaid in U.S.A. C14060—Each \$17.50**

## Bakelite Key Knobs

Brilliant black bakelite. Navy knob (illustrated) with disc. **C14037—Each 18¢**  
Flat paddle (not illustrated) as used on most speed keys. **C14038—Your Cost..... 18¢**

## SPEED-X Practice Key

Standard spring adjustable hand key with 1/8" pure silver contacts mounted on a moulded brown bakelite base 2 3/4"x5" with circuit closing switch and terminal connections on base. All machine parts nickel plated. Wt. 8 oz. **C14071—Your Cost, Each \$1.47**



## SPEED-X Professional Semi-Auto. Key

A High-Speed chromium plated heavy steel base key with four non-slip rubber feet. 6 1/4"x3 1/2"x1 1/2". Heavy brass connector strips mounted under base. Frame has five screws for sensitive adjustments. Vibrator is designed to obtain slowest and fastest speeds. Two sets of 1/4" pure silver contacts. Pigtail connections to vibrating arm. Lock nuts on all adjustments. Paddles adjustable to any required height. Furnished with circuit closing switch. Wt. 4 1/2 lbs. **C14028—Your Cost, Each \$10.29**

## ICA Deluxe Signa-tone

### \*Code Practice Set \*Keying Monitor

A perfected Audio Oscillator, having 3 different output frequencies and a continuously variable volume control. A number of phones and keys may be connected for class room or radio club instruction. No well-equipped station should be without this keying monitor. An invaluable aid in improving any ham's "fist." Will follow the "bug" at all speeds. The Audio notes are similar to those of high quality commercial CW stations. 7 1/2" W, 4 1/2" H, 4" D. Shpg. wt. 4 lbs. Complete with tube and self contained speaker, for 110 V. AC-DC. **C14086—Your Cost, Each \$11.76**



## ICA Signa-Tone

- ★ 3 tone audio output
- ★ Continuously variable volume control

Primarily designed for class and radio club use. Originally intended for use with headphones, speakers may also be used. For 110 V. AC-DC. Complete instructions furnished for a class room setup for send-receive practice. 4"W.x4 1/2"H.x4"D. Wt. 2 1/2 lbs. **C14076—Complete with tube—Your Cost. \$8.82**



## BUD Oscillator



An audio oscillator with a built-in magnetic speaker that will operate up to twenty headphones. The internal speaker is automatically cut out of the circuit when headphones are inserted. Provided with a variable volume control and a variable pitch control for individual adjusting. Any number of keys may be connected in parallel to the oscillator for group practice. Metal case finished in grey crackle enamel. 4 1/2" H., 7 1/2" W., 3 3/4" D. **C14074—Your Cost. \$8.82**

## LINGUAPHONE Code Lesson Records



Learn code this easy way at your own convenience. Slow down or speed up your phono as you progress. Will operate on any phono or record player. Includes text book and 5 double-faced 10" discs (in album). Shpg. wt. 6 lbs. **C21895—Your Cost \$8.82**



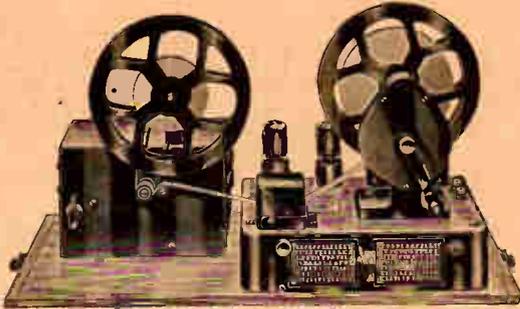
# McELROY RADIO

## THE WORLD'S BEST RADIO TELEGRAPH APPARATUS

30 years of experience in the world of radio-telegraphy is back of the McElroy equipment listed on these pages. T. R. McElroy has long been known as a designer and builder of communications equipment worthy of a champion. The fact that McElroy-engineered products are now to be found in every branch of communications and in use by Army, Navy, Coast Guard in the field and in their schools, as well as in private and public schools only serves to enhance their already enviable reputation. These products embody every proven feature to be found in comparable equipment PLUS the many important advances available ONLY in McElroy units.

Ease of operation, maintenance and repair make McElroy equipment outstanding for school use. Capable of service under the most severe conditions, they have long set the standard for operational excellence. Built to the exacting specifications of the armed forces. Because of the critical materials used in the construction of McElroy equipment, its sale is restricted to users such as the armed forces, governmental agencies, training schools and industrials who are authorized by the War Production Board to purchase such equipment. All inquiries concerning priorities, technical data not found below, and other information should be addressed to our Technical Advisory Service.

### G-813-A Electronic Keyer



An electronic keying device which utilizes a 930 photo-cell tube to produce aural reproduction of dots and dashes from a standard  $\frac{3}{8}$ " wide ink-recorded tape up to a maximum speed of 40 words per minute. The clarity and even spacing with which the signals are reproduced greatly assist students in the mastery of high-speed code. Only the signal line of the tape actuates the photo-cell; there are no chirps or key-clicks, no annoying constant tone at beginning or end of tape, or during adjustment. Adjustment and operation of the machine are surprisingly simple and non-critical. Tapes which have undergone excessive wear will still operate the unit with surprising efficiency. No sprockets are used in tape puller—rubber drums supply light pressure to propel tapes, so that they have an extremely long useful life. Tapeholders accommodate standard 16 mm. 400 foot movie reels. A 400 foot roll of tape will provide one hour of code practice at 20 words per minute. Sufficient output is provided to operate up to 300 pairs of headphones in parallel, with no special impedance matching necessary. Headphone jack on keyer allows monitoring of output at all times.

The complete unit consists of Electronic Keying Unit, with audio oscillator and amplifier; a dependable variable speed tape puller; and a well built hand rewind. Uses one 930 photocell, one T7 exciter lamp, and four 117N7GT tubes. Keyer Chassis measures  $10\frac{3}{8}$ " x  $11\frac{1}{8}$ " x  $11\frac{1}{2}$ ". Tape Puller measures  $8\frac{1}{2}$ " x  $5\frac{1}{2}$ " x  $4\frac{3}{8}$ ".

**C14094—McElroy G-813-A Electronic Keyer** complete with all tubes, exciter lamp instructions, ready to operate. For 110 volts AC or DC. Shpg. wt. 50 lbs.

**Your Cost.....\$150.00**

### G-913-A School Recorder

#### With TP-845 Tape Puller

The Model G-913-A School Recorder will operate at speeds of up to 100 words per minute, recording clearly, on standard  $\frac{3}{8}$ " wide blank paper tape, signals of readable strength from any radio communications receiver, or by attaching a key to the terminals provided, hand sending by students or instructors. Operators

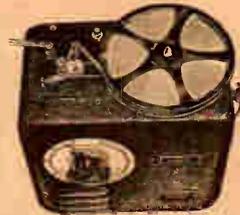


are enabled to examine actual printed examples of their techniques, providing a visual demonstration of the defects in their sending, and by utilizing the G-813-A Keyer, may listen to an accurate and faithful reproduction of the signals they have sent. Ideal for making special tapes for instructional purposes. Tapes can be used for teaching slip-tape sight reading, or used in the G-813-A Electronic Keyer for regular code instruction. Consists of the TP-845 tape puller, an electronic "Sound Gate," and an inked-stylus recording head all housed in a sturdily built metal cabinet for table operation. The unit can also be mounted on a standard panel for rack mounting. Tape Puller uses induction type AC motor for constant speed regardless of setting of speed control. Use telegraph blue ink for sight reading, and Higgins India or any other fast drying opaque ink for use with Electronic Keyer. Complete with two 117N7GT and one 117Z6GT tubes. Overall dimensions, 25" long, 14" wide, 14" deep.

**C14095—McElroy Model G-913-A School Recorder** as described above, complete with tubes and instructions. For operation on 110 volts AC. Shpg. wt. 40 lbs.

**Your Cost.....\$150.00**

### New Model TP-890-A Tape Puller



This professional type tape puller is perfectly adaptable to both commercial and instructional use. Has newly designed motor, oversized and capable of sustaining constant speeds. Speed control permits adjustment to speeds of up to 100 words per minute, with extreme accuracy. Motor unit is housed in a louvered metal cabinet  $11$ " x  $10$ " x  $10$ ". Take up reel can be disengaged for rewinding or operation of motor while tape is stopped. Shpg. wt. 18 lbs.

**C14096—Your Cost.....\$135.00**

### McElroy Hand Rewind



An exceptionally well-built unit for all rewind uses. Uses  $\frac{1}{4}$ " steel cut gears with  $\frac{3}{16}$ " oilite bearing mounted steel shafts.

Sturdy, screw mount base. Comes complete with one 400 foot 16 mm. reel. Shpg. wt. 3 lbs.

**C14088—Your Cost.....\$9.00**

Additional 400 ft. reel..... 29c

**C14089—Your Cost..... 29c**

### McElroy Tape Stand



A sturdy unit with heavy diecast base and adjustable reel holder. Accommodates a 400 ft. 16 mm. reel. Shpg. wt. 10 lbs.

**C14078—Your Cost.....\$30.00**

**C14079—Your Cost.....\$3.00**

### McElroy Code Practice Tapes

For use with Model G-813-A Electronic Keyer or similar unit. These tapes are made from U. S. Army master rolls and are excellent for all training purposes. Uses International Morse Code, heavily inked. Each tape will provide approximately one hour's practise at 20 w.p.m. Set comprises 15 tapes on 400 ft. reels. Housed in slotted and numbered wood carrying case with lock-on cover. Wt. 20 lbs.

**C14070—Your Cost.....\$45.00**



### Blank Tape for Recorders



For use with G913-A or SR900-A recorder or any commercial recorder using  $\frac{3}{8}$ " tape. Rolls 400 feet long; will take an hour's recording at 20 w.p.m. 25 rolls per package. Shpg. wt. 15 lbs.

**C14072—Per Package.....\$7.50**

# CODE APPARATUS



BY THE WORLD'S CHAMPION OTHER RADIO TELEGRAPHER

## Model MS-700 Master Oscillator



A very fine code oscillator—especially designed for individual or class code learning. Will actuate up to 300 phones with excellent results. Has variable tone control, with tone adjustable from 500 to 1550 cycles; Terminals are provided for headphones and any number up to 300 may be used by connecting the phones in parallel, with no other matching devices. The headphone circuit is completely isolated from the power line and any direct current, permitting phones with exposed terminals to be used without danger

of shock. Built in speaker can be easily disconnected, if desired, when phones are used. Operates on 110 volts AC or DC. In beautiful bakelite cabinet, with switch, line cord and plug. Shpg. wt. 7 lbs.

**C14085—Your Cost \$11.85**

## MS 700-P Oscillator Code Practice Set

Similar to Model MS 700 described above, but with built-in telegraph key. An ideal practice set that is being used extensively by all branches of the armed forces for learning code. External connections are provided for additional keys and headphone. Wt. 8 lbs.

**C14090—Your Cost \$15.90**

## New Model McElroy XTR-442B Transmitter

**High Speed Perforated-Slip Code Transmitter** used by **RCA Communication, Mackay Radio Globe Wireless Press Wireless Military and Naval Service.**



This transmitter, in response to Wheatstone perforated tape, will open and close a keying circuit to execute mechanically precise dots and dashes. Constructed for constant duty in keying radiotelegraph transmitters in communications work, or keying audio oscillators for code training purposes. Speed control rheostat permits gradual and positive speed control throughout the entire range, from 4 to 300 words per minute. Rate of transmission is indicated directly on rheostat dial, calibrated accurately in words per minute. Contacts in automatic head actuate an electronic control circuit, which actuates relay with SPDT contacts for keying. This prevents overload on auto head contacts and insures trouble-free operation with a minimum of attention.

It is advisable not to use a tape puller with the XTR-442 to eliminate drag on the tape. Tape should be fed into a basket and then rewound on a hand rewind (see listing opposite page) to prolong the usable life of the tape. Tape is driven by a heavy duty AC-DC motor, perfectly stabilized by a dynamic flywheel, which insures absolutely constant rate of transmission regardless of speed setting. Overall size: 18"x14"x13".

**C14081—McElroy XTR-442 Automatic Transmitter.** Shpg. wt. 45 lbs. **Your Cost \$600.00**

Duplicate tapes made from your master rolls. **C14075—400-ft. duplicate, Your Cost \$4.50**

## PRF-443 Wheatstone Code Tape Perforator

The Wheatstone Code Tape Perforator is unquestionably one of the outstanding contributions to the art of radio telegraphy. Actuated by 110 volt AC or DC, it prepares tape cleanly and accurately at speeds up to 50 words per minute, for feeding through automatic transmitters, such as the XTR-442, shown at left. Very simple to operate. Unit is placed in position similar to hand telegraph key. Depressing the dot or dash lever closes electrical contacts actuating a powerful die mechanism. Does not necessarily require experienced radiomen to operate effectively. Anyone with basic knowledge of code sending can prepare perfect tape for transmission in International Morse, or other codes. May be used fully automatic providing a continuous series of characters, or may be operated semi-automatically to form only one character at a time. Use of the perforator and machine sending assures perfect transmission, eliminating inadequate hand sending and repetition requests. Size: 18 1/2"x15"x7". Complete with spare punch head. Shpg. wt. 35 lbs.



**C14082—PRF-443 Perforator.** **Your Cost \$600.00**

## Model 200 "Stream" Hand Key



A professional telegraph key in both performance and appearance. Uses 3/16" coin silver contacts. The scientifically designed key lever is balanced between two accurately machined bearing screws and the entire key is mounted on a sturdy black crackle finished metal base, equipped with a circuit closing switch. Shpg. wt. 2 lbs.

**C14092—Your Cost \$2.25**

## Model 300 DE LUXE "Stream" Hand Key

The finest hand key obtainable. Similar to Model 200, but finished in polished chrome and nickel.

**C14091—Your Cost \$3.45**

## Model CP 500 Speed Key

Makes rhythmical sending a real pleasure. Contact points are 3/16 inch silver. Right and left arm tension springs, contact spacings and vibrating arm are fully adjustable. Base is Grey wrinkle finish—all other metal parts are bright chrome. Size: 3 3/4"x6 1/4"x3 1/4".



**C14087—Wt. 6 lbs. Your Cost \$11.85**

## Model CP 800 DE LUXE Speed Key

The finest commercial or amateur bug available. Same as above but massive base is finished in a highly polished chrome, as are all the metal parts of the super-structure and lever. Main and U spring of carefully selected blue steel. With connecting cord.

**C14093—Your Cost \$15.90**

## New Model McElroy SR-900A High Speed Recorder

**Records Signals At Speeds Up To 1000 Words Per Minute**



Unlike recorders which require overcoming inertia of a mechanical spring action, this High Speed Recorder utilizes a constantly energized exciter coil. Change in polarity occurs when a signal impulse is transmitted to it, and coil and stylus move without resistance. At end of signal impulse polarity of coil is changed and stylus returns to non-signal position with equal force.

Operates directly from output of any radio communications receiver. Background noises, weaker interfering signals and static are rejected by amplifier and selector incorporated in this recorder. Inking mechanism feeds directly down; pen records in vertical position. Tape puller built in with tape reel mounted on panel.

Completely enclosed for table operation, but can be mounted in standard radio panel for monitoring purposes if desired. Size: 14"x22 1/2"x19". Shpg. wt. 90 lbs.

**C14083—McElroy SR-900A. Recorder.** **Your Cost \$600.00**

## McElroy Model TG-815 Tape Bridge



For use with 3/8" wide ink-recorded tape, and any make of typewriter. Allows tape to pass freely and smoothly before operator for transcription on typewriter. Bridge supports are readily adjustable to suit individual preference. Maximum overall height 10", width, 25". Shpg. wt. 10 lbs.

**C14080—Your Cost \$30.00**

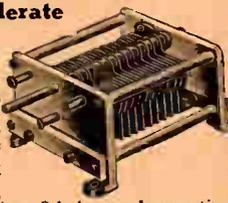
**|| EXPERT EXPEDITING ON GOVERNMENT AND INDUSTRIAL ORDERS ||**



# NATIONAL EQUIPMENT

## "TMC" Moderate Power Units

For use with RK18, RK20, 800, 830, 203A, 210, etc. Air gap is .077"; buffed plate edges; aluminum plates and heavy aluminum frame; Insulantite insulation; 3-hole panel mounting with bolts and spacers; flanged legs for base mounting; 1/4" shafts, 1 1/2" long; overall size: 3 1/8" wide, 2 3/8" high (except TCN).



**Letter D after type denotes split stator.**

Stock No.	Nat'l No.	No. of Cap. Mtd.	No. of Plates	Peak Volts	Your Cost
C14592	TMC-50	7	3000		\$2.64
C14593	TMC-100	13	3000		3.00
C14594	TMC-150	21	3000		3.45
C14596	TMC-300	39	3000		4.35
C14595	TMC-100D	13-13	3000		4.95
C14261	TCN*		6000		2.40

\*For neutralizing 203A, 852, 204A, etc.

## Midget Receiving Condensers

"ST" types 180° straight-line wavelength plates; "SE" types 270° rotation straight-line frequency plates. 1/4" shafts.

No.	Type	Mmfd.	Plates	Each
C14300	STHS15	15	3	50.90
C14299	ST35	35	9	.99
C14291	ST50	50	11	1.20
C14293	ST100	100	20	1.50
C14295	ST140	140	27	1.65
C14294	ST150	150	29	1.65
C14296	STH250	250	32	1.98
C14303	STD-50	50-50	11-11	2.40
C14280	SE-50	50	11	1.50
C14282	SE-100	100	20	1.80
C14287	SEH335	335	43	2.31
C14476	STN*	18	7	1.20

\*For neutralizing 10, 45, 47, etc.: 3000 V.P.

## Experimenters' Midget Condensers

A low-priced unit for receivers, transmitters and experimental work. Non-corrosive brass plates. Bakelite insulation. 1/4" shafts.

No.	Mmfd.	Plates	Spacing	Each
C14327	15	5	.045	57c
C14344	25	7	.045	57c
C14392	35	10	.045	66c
C14342	50	6	.017	60c
C14322	100	12	.017	66c
C14343	140	15	.017	84c

## "TMS" Low Power Units

Aluminum plates; heavy aluminum frames; Insulantite insulation; 1/4" shafts, 1 1/2" long; both panel mounting and 2-hole base mounting; adjustable rear bearing; TMS units have .026" air gap. TMSA units, .065"; all screws have lock-washers; overall dimensions: 1 3/4 x 2 1/2 x 2 1/4". Shpg. wt. 3 lbs.



**Stock No. & Cap. Mmfd. Plates Volts Your Cost**

C14550	TMS-100	9	1000	\$1.65
C14551	TMS-150	14	1000	1.80
C14552	TMS-250	22	1000	1.98
C14553	TMS-50D*	5-5	1000	2.55
C14554	TMS-100D*	9-9	1000	3.00
C14549	TMS-300	27	1000	2.40
C14555	TMSA-35	7	2000	1.98
C14556	TMSA-50	11	2000	2.16

\*Split stator models.

## Ultra Midgets "UM" Condensers

Especially designed for ultra-high frequency circuits. Mounted on insulantite base 1 x 2 3/8"; can be mounted in shield can. Shafts extend for ganging. UMB25 has two stators and a single rotor.



No.	Type	Mmfd.	Gap	Each
C14336	UM-15	15	.017"	50.84
C14337	UM-35	35	.017"	.99
C14338	UM-50	50	.017"	1.05
C14339	UM-75	75	.017"	1.14
C14340	UM-100	100	.017"	1.26
C14340	UMA-25	25	.042"	1.20
C14341	UMB-25	25-25	.017"	1.20

## "NC-600" Neutralizing Condenser

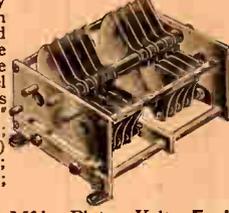
Small neutralizing condenser for use with 6L6's and similar beam power output tubes. Capacity adjustable by means of a thumb screw from .5 to 4 mfd. Insulantite insulation. Shpg. wt. 6 oz.



C14252—Your Cost Each..... **30¢**

## "TMA" Heavy Duty Units

Plates of heavy aluminum with buffed rounded edges. Insulantite insulation; 4-hole bolt-spacer panel mtg.; 1/4" shafts 1 1/2" long; 4 3/4" wide, 3 1/8" high; type A (last letter) have .171" gap; type B, .265"; type C, .359".



No.	Type & Mfd.	Plates	Volts	Each
C14369	TMA-100B	23	9000	\$8.10
C14328	TMA-50A	7	6000	3.90
C14329	TMA-100A	15	6000	6.00
C14330	TMA-150A	21	6000	7.20
C14332	TMA-50DA*	8-8	6000	6.60
C14333	TMA-100DA*	14-14	6000	10.50
C14544	TMA-150B	35	9000	10.20
C14545	TMA-60DB*	15-15	9000	11.10
C14546	TMA-50C	13	12000	4.80
C14548	TMA-40DC*	11-11	12000	8.10

\*Split stator units.

## "NC-800" Neutralizing Condenser

High voltage Disc type neutralizing condenser for RCA 800, 35T, HK54 and similar tubes. Low loss steatite insulation. Has micrometer screw adjustment. Three-hole mounting bracket. Shpg. wt. 1 lb.



C14259—Your Cost..... **\$1.80**

## NATIONAL Shaft Couplings and Bushings

**A (Coupler)**  
Sizes Fig. Stock No.  
Inches No. Insul. Brass  
1/4 x 3/8 A C15014 C15000  
3/8 x 3/8 A C15006 C15001  
1/2 x 3/8 A C15008 C15002  
3/4 x 3/8 B C15017 C15004  
1 x 3/8 B C15018 C15005  
1 1/4 x 3/8 B C15009 C15003

**B (Extender)**  
Stock No.  
C15000  
C15001  
C15002  
C15004  
C15005  
C15003

Your Cost, Any Type.....12c  
10 For.....\$1.08

**Split Bushing**  
Type C. For increasing shaft diam. from 1/4" to 3/8". Brass, 3/8" long.  
C9730—Your Cost Each.....6c  
10 For.....54c

## Brass and Fibre Shaftings

Fine for extensions. 1/4" diam.  
C15010—6" Brass **12¢**  
C15011—6" Fibre  
Your Cost.....  
C15012—12" Brass **23¢**  
C15013—12" Fibre  
Your Cost.....

## Flexible 1/4" Shaft Coupler

For use in coupling two 1/4" shafts or for extending a shaft at an offset angle. Insulated.

C9751—Bakelite. **30¢**  
Your Cost Each.....  
C9750—Ceramic. **38¢**  
Each.....

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## Flexible Shaft Couplings

Insulantite insulation with short length of flexible shafting. Will drive shaft at any angle up to 90°. Takes 1/4" shafts.

Shpg. wt. each, 8 oz.  
C14530—TX-12. 4 3/8". **84¢**  
Your Cost Each.....  
C14529—TX 13. 7 7/8". **99¢**  
Your Cost Each.....  
C14531—TX-11. Without Insulantite insulation. 4 5/8". **42¢**  
Your Cost Each.....

**Solid 1/4" Shaft Couplings:** Solid insulantite.  
C14501—TX-1. 1 1/4". Ea. **66¢**  
C14502—TX-2. 3 1/4". **75¢**  
Your Cost Each.....

## NATIONAL Shaft Couplings

All take 1/4" shafts.  
TX-8: Insulantite ins. C8461— **51¢**  
Each.....  
TX-9: Steatite insulation. C8470—Ea. **75¢**  
Each.....

TX-10: Canvas bakelite insulation. C8471—Each..... 36c

**Panel Bearing Assembly**  
Use with rigid or flexible coupling when mounting. For up to 3/8" panels.  
No. Size Each  
C9563—3" long. 1/4" Shaft..... 22c  
C9562—5" long. 1/4" Shaft..... 27c  
C9564—Bearing only..... 11c

## Truest Midget Single Gang Condensers

With all the features and characteristics of larger units. Ideal for limited space apparatus. Rotor and stator plates, firmly staked into position. Lo-loss bakelite insulation. Improved ball bearing. Counter-clockwise rotation for all types. 1/4" shafts. 1 1/2 x 1 1/2 x 1 1/2" deep. Less trimmers. Wt. 1 lb.

No.	Mmfd.	Each	No.	Mmfd.	Each	No.	Mmfd.	Each
C10189*	15		C10193*	75		C10197	365	
C10190*	25		C10194	100		C10198	410	
C10191*	35	<b>79¢</b>	C10195	150		C10199	450	<b>85¢</b>
C10192*	50		C10196	250				.85c *—Double spaced.

## Truest Gang Condensers

All feature heavy metal plates, ball bearing rotors and bakelite insulation. Two and three gang units supplied with trimmers on the side. Shafts 1/4" dia., 1 1/2" long. Each with split bushing for 3/8" dials. All 1 1/2" high, 3 3/8" wide. Shpg. wt. 2 lbs. All 365 mmmfd. per section except cut sections on 456 Kc Super types.

No.	Each	Gangs	Length	Rotation	456 Kc Super
C9710	\$1.10	1	1 3/8"	counter-clock	No. Each
C9711	1.39	2	2 1/2"	counter-clock	C9798 \$1.85
C9712	2.05	3	3 3/8"	counter-clock	C9799 2.60
C9720	1.10	1	1 3/8"	clockwise	
C9721	1.39	2	2 1/2"	clockwise	C9796 1.45
C9722	2.05	3	3 3/8"	clockwise	C9797 2.10

## ICA Midget Condensers

For communications receivers and transmitters. Compact, rugged and highly efficient. Ceramic insulation, sturdy lug terminals, single hole mounting feature, etc. 1/4" shaft plated to resist corrosion. With mounting nut. Shpg. wt. 1 lb.

C9728	Capacity 3.5 to 25 mmmfd. 4 plates.	Each.....	76c
C9731	Capacity 6 to 80 mmmfd. 11 plates.	Each.....	88c
C9727	Capacity 14 to 100 mmmfd. 14 plates.	Each.....	94c
C9714	Capacity 7 to 14 mmmfd. 19 plates.	Each.....	\$1.03

# HAMMARLUND Variable CONDENSERS

## Type "MC" Midget Units



Cadmium-plated soldered brass plates; Isolantite insulation; heavy aluminum ends; single-hole mount; .0245" gap; .0225" plates; 1/4" shaft, can be ganged; silver plated Beryllium wiper; 500-volt a.c. test.

No.	Plates	Cap. Mmfd.	Each
C8503*	3	5.5-20	\$1.32
C8504*	5	6.35	1.38
C8505*	7	6.5-50	1.44
C8506†	11	8-80	1.56
C8507*	11	7.3-80	1.56
C8508*	14	8.3-100	1.68
C8509†	14	7.5-100	1.68
C8510†	19	9-140	1.80
C8514*	19	10-140	1.80
C8511†	27	10.3-200	1.98
C8512†	34	12-260	2.16
C8513†	43	13.5-320	2.40

†Midline. \*Semi-circular plates.

## Dual-Spaced Midgets

.0175" air gap; Isolantite insulation; single-hole mount; compact.

No.	Type	Mmfd.	Each
C8527	MC20MX	20	\$1.44
C8468*	MC20SX	20	1.44
C8488*	MC35MX	32	1.56
C8489*	MC50MX	50	1.68
C8502	MC100SX	100	2.10

†Straight Line.

## Type APC Aid-Padding Condensers

Insolantite base soldered brass plates; 0.15" air-gap; only 1 1/2" x 1 1/2" x 1 1/2" high. Screw-driver adjustment; maintain constant capacity under all climatic conditions.

No.	Cap.	Mmfd.	Each
C8623	3 to 25		\$0.78
C8624	3.9 to 50		.90
C8625	4.5 to 75		1.02
C8626	5.5 to 100		1.14
C8743	6.5 to 140		1.35

## BUD Jr. X'mitting Condensers



Excellent suited for low and medium power transmitters, etc. Each require panel space of 3x2 1/2". Rigid and perfectly spaced. Aismag rotor insulation. Brass rotor and stator plates, cadmium plated. Panel m't'g., plus brackets for chassis m't'g.

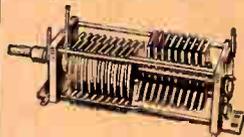
Stock No.	Max. Mmfd.	Air Gap	Rear L't'h.	Your Cost
C10621	50	.051"	2 1/4"	\$2.15
C10622	100	.051"	2 3/8"	2.32
C10623	145	.051"	2 7/8"	2.73
C10624	250	.051"	4 5/8"	3.38
C10625	25	.078"	2 1/8"	2.11
C10626	55	.078"	3"	2.47
C10627	110	.078"	4 1/8"	3.00
C10628	20	.144"	3"	2.32
C10629	55	.144"	4 5/8"	3.00
C10630	105	.144"	7 1/4"	4.00
C10631	18	.175"	3 3/8"	2.59
C10632	55	.175"	5 1/8"	3.85
C10633	100	.175"	9 1/4"	5.11

## 6L6 Neutralizing Condenser



Range 1 to 9 m.mfd. For tubes like 6L6, 6V6, 807, RK49, RK39, etc. Shpg. wt. 1 lb. C9569—Your Cost **88¢** Each.

## Type "HFA" and "HFB" Condensers



All cadmium plated brass parts. Isolantite end plates HFB models have insulated control shafts especially designed for circuits where high voltage is connected directly to the rotor; more compact; higher factor of personal safety. 100% soldered construction. 1/4" shafts; all plates semi-circular. 1 1/16" square Isolantite end plates. All rear bearings are single ball thrust.

Stock No.	Hamml'd No.	Per Mmfd.	Section No. Plates	Air Gap	Length Ins.	Your Cost
C7225	HFBD100C	100	23	.050"	4 5/8"	\$4.98
C7226	HFBD100E	100	29	.070"	6 1/4"	5.40
C7227	HFB100E	100	29	.070"	3 1/8"	3.48
C7228	HFB100F	100	39	.100	5 1/2"	4.14
C7229	HFAD100A	100	19	.020"	2 3/8"	3.18
C7230	HFAD140A	100	27	.020"	3 3/8"	3.54
C7231	HFAD100B	100	27	.030"	3 3/8"	3.24
C7232	HFAD15E	15	9	.070"	2 3/8"	2.40
C7233	HFA100A	100	19	.020"	1 1/2"	1.56
C7234	HFA140A	140	27	.020"	1 3/4"	1.80
C7235	HFA10B	10	3	.030"	2 5/8"	1.20
C7236	HFA15B	15	5	.030"	7/8"	1.26
C7237	HFA25B	25	7	.030"	3 1/2"	1.32
C7238	HFA50B	50	14	.030"	1 3/4"	1.44
C7239	HFA15E	15	9	.070"	1 3/8"	1.32
C7240	HFA30E*	30	17	.070"	2 1/2"	1.50

\*Uses rear Isolantite panel.

## "TC" X'mitting Condensers

Moderately priced heavy duty transmitting condensers featuring: heavy aluminum end plates; Isolantite cross bars; non-inductive Beryllium self-cleaning contacts; full floating rotor bearings. Type L has .025" plates with plain edges; all others have .040" rounded plates. Ideal for modern up to date transmitters with power outputs ranging from 200 watts to 1 kilowatt.



## "TC" Single Units

Stock No.	Type No.	Cap. Mmfd.	Plates	Plate Spacing	Length Ins.	Your Cost
C9049	TC-55-F	60	15	.230"	5	\$4.80
C9048	TC-150-G	165	37	.200"	9 3/4"	8.88
C9043	TC-110-H	115	23	.171"	5 5/8"	5.40
C9035	TC-90-K	95	11	.084"	2 1/16"	3.42
C9034	TC-440-L	465	43	.070"	5	5.46

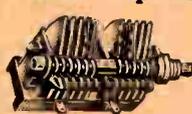
## "TCD" Dual Units\*

Stock No.	Type No.	Cap. Mmfd.	Plates	Plate Spacing	Length Ins.	Your Cost
C8940	TCD-50-H	53	11	.171"	5 5/8"	5.88
C8934	TCD-80-L	90	9	.070"	3 3/16"	4.98

\*TCD units are identical with type TC except that stator sections (capacities shown) are individual.

**NOTE!** All items on this page are available on priority only. To expedite delivery, please include highest authorized preference rating.

## "MCD" Split-Stator



Shield plate between stators. Capacities are for each section. All 3/8" behind panel.

No.	Type	Mmfd.	Each
C8519*	MCD140M	140	\$3.24
C8520*	MCD100M	100	3.00
C8521*	MCD50M	50	2.76

## Double-Spaced Split-Stator

Have wide (.0715") spacing of plates. Other specs. as above.

C8490*	MCD35MX	31	\$2.88
C8528†	MCD35SX	31	2.88

\*Midline. †Semi-Circular plates.

## "HF" Micro Condensers

Cadmium-plated, soldered brass plates; Isolantite insulation; single-hole mounting or base mounting.



No.	Mmfd.	Plates	Each
C8700	17.5	5	\$0.84
C8701	35	10	.96
C8702	50	14	1.02
C8703	100	27	1.26
C8704	140	37	1.44
C8705*	30	20	1.14

## "HFD" Dual Units

Specs. are given per section.

C8706	50	14	\$2.16
C8707	100	27	2.46
C8708	140	37	2.70
C8699*	16	11	2.04
C8709*	28.5	19	2.28

\*Indicates double spacing.

## —NOTE—

We can supply any Hammarlund or Bud product not listed here at usual discounts. Specify Mfr's. number.

# BUD CONDENSERS

## Tiny-Mite Condensers



Designed for u.h.f. circuits. Extremely compact. Have rigid construction, close fitting bearings, excellent Aismag 196 insulation. Soldered brass plates are bright cadmium plated. 3-way mounting. Shaft arrangement on single units permits ganging. Panel space required 1 1/2" x 1 1/4".

## Single-Gang Condensers

No.	Mmfd.	Plates	Each
C9539	3-15	5	\$0.76
C9540	4-25	9	.88
C9541	5-35	13	.94
C9542	6-50	19	1.00
C9543	9-100	37	1.23
C9545*	4-10	7	.82
C9546*	5-15	11	1.00
C9547*	5.5-25	17	1.09
C9548*	6-35	21	1.29

\*—Double spaced units.

## 2-Gang Condensers

Capacities are per section.

No.	Mmfd.	Plates	Each
C9512	3-15	5	\$1.71
C9513	4-25	9	1.85
C9514	6-50	19	2.00
C9515	9-100	37	2.26
C9516*	4-10	7	1.62
C9517*	5-15	11	1.76
C9518*	5.5-25	17	1.91
C9519*	6-35	21	2.06

\*—Double spaced.

## BUD TINY-MITE Air Padder Condensers



Ideal for circuits requiring a constant capacity under all conditions, such as oscillator padding circuits, I.F. transformers, fixed standard tuned circuits, etc. Fit standard 1 1/2" dia. forms. Screwdriver or hex wrench adjustment.

Stock No.	Range	Panel	Your Cost
C10088	3-15	7/8"	76c
C10089	4-25	1 1/8"	76c
C10090	6-50	1 1/2"	88c
C10091	9-100	1 7/8"	\$1.12

## Single Bearing Midgets

For portable and mobile use. Single spaced. Has rotor locking-nut and removable rotor shaft extension. When rotor shaft extension is removed, adjustment is made by means of a screw driver slot. Air gap .030"



Stock No.	Cap. Mmfd.	B'hd Panel	Your Cost
C8394	4-15	3 1/4"	\$1.00
C8395	6-35	3 3/4"	1.09
C8396	7-50	3 7/8"	1.21
C8397	8-75	1 1/2"	1.35
C8398	9-100	1 3/4"	1.31
C8399	10-150	2 1/2"	1.62

## Double-Spaced X'mitting Midgets

Hard drawn brass plates and rods electro-soldered and heavily cadmium plated. Aismag 196 insulation. Double spring rotor contacts. Wide plate spacing. Double bearings on single and 2 gang units.

No.	Mmfd.	Gap	Plates	Each
C10827	5-15	.060"	5	\$1.21
C10828	7-35	.060"	11	1.41
C10829	8-50	.060"	15	1.50
C10830	10-75	.060"	23	1.85
C10831	13-100	.060"	31	2.06

## 2-Gang Double-Spaced X'mitting Midgets

Heavy ceramic base permits mounting these double-spaced condensers directly to the chassis.

C10832	6-30*	.060"	6*	\$2.29
C10833	7-35*	.060"	11*	2.44

\*—Per section.

## Receiving Midgets

Semi-circular plate type. Have single bearing (except 2-gang which is built on ceramic base and has two bearings) and spacing suitable for receivers and x'trs.

No.	Mmfd.	Gap	Plates	Each
C10835	4-15	.024"	3	65c
C10836	5-35	.024"	5	71c
C10837	6-50	.024"	7	76c
C10838	7-100	.024"	14	94c
C10839	7-140	.024"	19	\$1.03
C10834	7-100*	.024"	14*	2.44

\*—2-Gang ratings per section.



# TRANSMITTING DIALS and KNOBS

## GORDON Hand Wheels



Bakelite Wheel with pointer. Fits all 1/4" shafts. Tuning controls that will add to the appearance of electronic equipment. Wt. 8 oz.

**C14641**—3 1/4" Wheel and Pointer with 180° scale. Each... \$1.23  
**C14642**—2 1/4" Wheel and Pointer with 180° scale. Each... \$1.06  
**C14643**—1 3/4" Wheel and Pointer with 180° scale. Each... \$1.09  
**C14644**—1 1/2" Wheel and Pointer with 180° scale. Each... \$0.76  
**C14645**—1 1/8" Wheel and Pointer with 270° scale for gain control. **Your Cost Each**... \$0.82

**HAND WHEELS** with pointer only, less scale.

**C14646**—3 1/4" **Your Cost**... 94c  
**C14647**—2 1/4" **Your Cost**... 82c  
**C14648**—1 3/4" **Your Cost**... 85c  
**C14649**—1 1/2" **Your Cost**... 53c

## JOHNSON Shaft Couplings



A) & (B) Ultrastrateite insulated units. Flexibility is obtained by cadmium plated phosphor bronze spring. (C) A solid insulated Ultrastrateite unit. Long leakage path and accurate alignment. (D) Cadmium plated brass compression unit.

Stk. No.	Shaft	Diam.	Ea.
C14313*	1/4"	1 1/2"	47c
C14314*	1/4"	2 1/2"	82c
C14315*	1/4"	2 1/2"	82c
C14316*	1/4" and 3/8"	2 1/2"	82c
C14317†	1/2"	1 1/2"	44c
C14318‡	1/2"	1 1/2"	9c

\*A & B type. †C type. ‡D type.

## JOHNSON Handle Indicators



Etched scales, zero on left) to 100. Bakelite handles.

No. 204. 4" scale. **C13015**—Each... \$59c  
 No. 206. 6" scale. **C13016**—Each... 73c

## ICA Miniature Dials



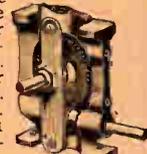
Chrome Silver dials with black etched numerals. Equipped with finger grip black knob. Only 1 1/8" diameter. Fit 1/4" shafts. Ranges from 1—10 over 180 and also 270 degrees. Ideal for matching dials on instruments, amplifiers, receivers, etc.

**C14234**—0-10. 180°. **Your Cost** 50c  
**C14235**—0-10. 270°. **Your Cost** 50c

## MILLEN Worm Drive

Right-angle worm drive assembly for variable condensers, etc. May be panel or base mounted. Ratio 16 to 1. Frame of cast aluminum. Employs spring-loaded split gears which eliminate back lash. Driveshaft 1/4" diam.; geared shaft 3/8" diam., couples to condenser by means of flexible coupling (not supplied). Excellent for transmitters and receivers. Shpg. wt. 2 lbs.

**C9000**—Type 10.000 **\$4.50**  
**Your Cost Each**.....



## MILLEN Dial

0 to 100 Counter-clockwise, heavy gauge nickel silver dial. Metal scale is insulated from the shaft by a large black bakelite hub. Easy-to-grip type knob. Overall diameter 3 1/2". Wt. 1 lb.

**C8078**—**Your Cost**..... \$1.00



## MILLEN Dial Lock



Can be used with above dial. Fits standard 3/8" bushing. 3/16" overall. Locks panel-mounted control in pre-set position.

**C8079**—**Your Cost**..... **45c**

## Precision Vernier Dials



Have etched calibrations graduated from zero to 100. Large flanged knob has bushing for 1/4" knob-shafts. Shpg. wt. 1 lb.

No.	Dia.	Rotation	Each
C14236	4"	325°	\$1.62
C14237	2 3/4"	325°	1.23
C14238	4"	180°	1.62
C14239	2 3/4"	180°	1.23

## "B" Type Vernier Dial

Ratio variable from 6:1 to 20:1. Black Bakelite shell 4" diam.

**C14367**—Clock 200 0 in 360°.  
**C14368**—0-100-0; 180°.  
**Your Cost** **\$1.80**

**C14352**—Dial illuminator... 33c

**TYPE "BM"**—Similar to above but without variable ratio. 3" dia.

**C14371**—0-100-0; 180°.  
**C14372**—Clockwise, 200-0; 360°.  
**Your Cost Each** **\$1.65**  
 Either Type.....



## Type "N" Precision Dial

Engine divided scale and vernier. Reads to 1/10 of a division. Planetary divider ratio 5:1. Diam. 4". Bakelite knob.

**C14363**—Counter-clock. 0-100, 180°.  
**C14364**—Clockwise 100-0, 180°.  
**C14365**—Clockwise 150-0, 270°.  
**C14366**—Clockwise 200-0, 360°.  
**Your Cost Each**..... **\$4.50**



**NOTE**  
 Priority ratings are required for most X'tg. knobs listed. Include highest preference rating with your order.

## NATIONAL Type "ACN" Dial



Ideal for E.C. oscillator or U.H.F. receiver.

5-Range scale for hand calibration, with 0-100 linear scale as guide. 2 extra scales furnished. Lucite dial and pointer. 5:1 Vernier. Frame 5x7 1/4". For 1/4" shafts.

**C14474**—Wt. 2 lbs. Each... \$3.00

## NATIONAL R & O Dials



**Type R**—1 1/2" Dial. Etched nickel silver, used on many receivers. 180 degrees. Marked 0-10. For 1/4" Shaft. Shpg. Wt. 8 oz.

**C14568**—**Your Cost**..... 51c

**Type O**—3 1/4" Dial. Nickel silver. Marked 0-100. 180° counter-clockwise. Large easy-to-grip knob. For 1/2" shaft. Shpg. Wt. 10 oz.

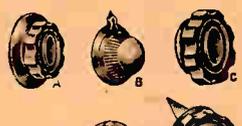
**C14567**—**Your Cost**..... 99c

## ICA Chrome Silver Dial Plates

Attractive grain satin finish. Have black Etcho-Engraving on Chrome Silver Background Plates. Finished in 3 different sizes. With various markings. Calibrations: 0-100.

Stock No.	Degrees	Dia. of Dial	Your Cost
C14184	180	2"	43c
C14191	325	2"	43c
C14192	180	3 1/4"	67c
C14193	325	3 1/4"	67c
C14194	180	4"	76c
C14195	325	4"	76c

## X'MITTER Knobs

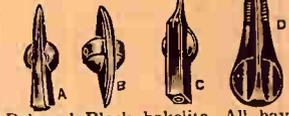


For 1/4" Shafts

Black bakelite (except\* which are black lacquered wood).

No.	Type	Size	Each	10 For
C13022	A	1 1/2" d.	23c	\$2.07
C13018	A*	1 1/2" d.	12c	1.08
C13004	A	1 3/4" d.	26c	2.34
C13017	A*	2 1/4" d.	16c	1.44
C13011	A	2 1/4" d.	32c	2.88
C13010	A	3" d.	38c	3.42
C9896	B	1 1/2" d.	16c	1.44
C13014	C	1 1/2" d.	17c	1.53
C13005	C	1 3/8" d.	21c	1.89
C13013	C	1 3/8" d.	27c	2.43
C13012	C	2 1/8" d.	30c	2.70
C9885	D	1 1/2" d.	10c	.90
C9886	D	1 1/2" d.	10c	.90
C13007	E	1 1/2" d.	34c	3.23
C13008	E	1 3/4" d.	46c	4.37
C13009	E	2 3/8" d.	54c	5.13

## Pointer and Lever Knobs



Polished Black bakelite. All have filled pointers except "D" (has ridged top). For 1/4" shafts.

No.	Lgth.	Ht.	Type	Each	10
C13027	2 1/4"	5/8"	(A)	7c	59c
C13028	1 1/2"	5/8"	(A)	6c	55c
C13029	2 1/4"	5/8"	(B)	9c	85c
C13055	2 1/4"	5/8"	(C)	7c	59c
C13052	2 1/4"	5/8"	(C)	8c	75c
C13053	1 1/2"	5/8"	(C)	5c	45c
C13024	1 1/2"	5/8"	(C)	7c	65c
C9650	1 1/2"	1 1/2"	(D)	7c	65c
C9651	2 1/4"	5/8"	(D)	8c	75c

\*Red Bakelite.

## NATIONAL HRK Bakelite Knob

Black bakelite for receivers and X'trs. 2 3/4" diam. Fits 1/4" shafts. Wt. 4 oz.

**C14564**—**Your Cost**..... **57c**

## Midget Knobs

Bakelite knobs for small sets. 1 1/8" diam. Set screw. 1/4" shaft. **Type B** without pointer.

Type A		Type B	
Stock No.	Color	Stk. No.	Each
C9676	Walnut	C9680	6c
C9677	Ivory	C9681	7c
C9678	Red	C9682	6c
C9679	Black	C9683	6c

## Radio Set Bakelite Knobs



Molded and polished walnut bakelite knobs for 1/4" shafts. All are set screw type except those marked with \* which are push-button knobs.

Type	No.	Dia.	Each	10 For
C	C9736	3/4"	5c	40c
C	C9737	7/8"	7c	65c
D	C9660	1 1/2"	7c	65c
E	C9657	1 1/2"	8c	72c
F	C9655	1 1/2"	3c	25c
G*	C9661	3/4"	3c	25c
H*	C9696	3/4"	3c	25c

## NEW! G.C. Knob Puller

Knobs that are hard to grip can be easily removed with this knob puller. Simply slip the G-C puller behind the knob and pull it off. Saves time, the cabinet, and the knob. Have one in your shop and in your tool kit!

**C15042**—**Your Cost**..... 15c

## Etched Metal Plates

Raised letters on a black etched background.

All 1 1/2" high. Wide by 3/8" high.

**With following markings:**

A.C. Input	Modulator Grid
Amp. Grid Curr.	Modulator Plate
Amp. Screen Curr.	Monitor
Antenna	Oscillator
Buffer Plate Curr.	Osc. Plate Curr.
1st Buffer Grid	Output
Filament Voltage	125 Ohm Output
Fil. 1st ON; 2nd OFF	200 Ohm Output
Gain Control	500 Ohm Output
Input	Plate
50 Ohm Input	Plate Voltage
125 Ohm Input	Power Amp. Grid
200 Ohm Input	Power Amp. Plate
500 Ohm Input	Receiver
Key	Rectifier
Microphone	Send
Modulation Ind.	Speaker

**Specify marking desired. 7c**  
**C9898**—Any Type, Each... 7c  
 10 For (any selection)..... 63c

## Dial Plates

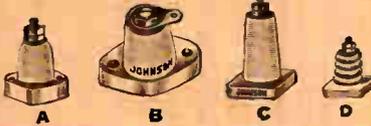
Fine etched metal black dial plates, calibrated 0-10 in 300°. 2 1/4" high by 1 1/8" wide, with four mounting holes.

**Plain Tone Record Gain Microphone**  
 Specify marking desired.  
**C9904**—5 For \$1.08. Ea. **24c**

**NOTE**  
 In addition to the knobs listed on this page, we can supply any knobs of standard manufacture. Write us about your requirements.

# ALL PURPOSE INSULATORS

## JOHNSON Stand-Off Insulators



All purpose stand-offs made of white glazed porcelain. All furnished with nickel-plated hardware as listed below.

Stock No.	Type No.	Fig.	Body Ht.	Hardware	Your Cost
C16747	24	A	1 3/8"	6/32	5c
C16746	22	A	1"	8/32	6c
C16748	22J	B	1"	Jack	8c
C16745	20	A	1 1/8"	10/32	8c
C16744	20J	B	1 1/8"	Jack	11c
C17024	65	D	1 3/8"	10/32	15c
C17025	66	C	2 3/8"	1/4-20	24c
C17026	67	C	4 1/2"	1/4-20	35c

### Strain Insulator

A 1 1/2" strain insulator loaded in compression for greater tensile strength.

C17175—Your Cost Each..... **3¢**  
10 For..... 20c

## JOHNSON Thru-Panel Insulators



Made of white glazed porcelain; non-hygroscopic. Feature great mechanical strength and increased breakdown voltage. Flat mounting surfaces with cushion washers eliminates breakage. All have longest possible leakage path. Jack types have terminals permitting connection above as well as below the panel. Nickel plated brass hardware furnished. Ideal for use as terminals on high frequency, high voltage and low frequency devices. Jack tops take standard banana plugs.

well as below the panel. Nickel plated brass hardware furnished. Ideal for use as terminals on high frequency, high voltage and low frequency devices. Jack tops take standard banana plugs.

Stock No.	Type No.	Top Ht.	Bot. Ht.	Panel Hole	Hardware	Your Cost
C16736	40	1 1/2"	1 1/2"	1/2"	10/32	18c
C16737	40J	1 1/2"	1 1/2"	1/2"	Jack	21c
C16738	42	1 3/8"	1 3/8"	3/8"	10/32	14c
C16739	42J	1 3/8"	1 3/8"	3/8"	Jack	17c
C16740	44	5/8"	5/8"	5/8"	6/32	11c
C16741	45	1 3/8"	1 1/8"	5/8"	10/32	24c
C16742	45J	1 3/8"	1 1/8"	5/8"	Jack	26c

We can supply any Johnson products not listed here, at standard discounts from the list price. Just send in your order, or write for information.

## JOHNSON Lead-In Bushings



For antenna lead-in bushings, panel bushings, and other applications where insulated mounting is required. Feature long leakage paths. Type A made of white glazed porcelain, type B made of Alsimag 196; provided with all necessary hardware. Suitable for high frequency work. Cushion washers furnished.

Stock No.	Type No.	Fig.	Dimensions	Lth.	Your Cost	
C17020	50	A	1 1/2"	3/4"	2"	12c
C17021	51	A	1 1/2"	1 1/2"	2 3/4"	21c
C17022	52	A	1 1/2"	1 3/4"	4 1/2"	29c
C17023*	55	B	1 1/2"	3/4"	1 1/2"	15c

\*—Made of Alsimag 196.

## JOHNSON Feeder Spreaders

White glazed porcelain.  
Cross section of all sizes is 3/8 x 1/2".

C17027—2" Long. Each.....	9c
C17028—4" Long. Each.....	12c
C17029—6" Long. Each.....	15c

## National Steatite Stand-Offs



Both 1 3/4" high, 1 1/2" centers. GS-8 has nut and bolt hardware; GS-9 has jack top for banana plug.

C14486—GS-8. Each..... **54¢**  
C14487—GS-9. Your Cost Each..... **75¢**

### Steatite "Cones"

Small units tapped 8/32 at each end; GS-6 and GS-7 tapped 10/32.

No.	Type	Height	Each
C14493	GS-10	3"	7c
C14483	GS-5	1 1/2"	24c
C14484	GS-6	1 1/2"	42c
C14485	GS-7	3"	75c

## PYREX Insulators

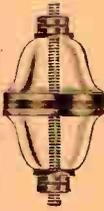


Used by the U.S. Army, Navy and commercial services. Finest glass insulators made. Long life.

No.	Type	In.	Rating	Each
C16805	67007	3 3/8"	Med.	\$0.20
C16806	67017	7 1/2"	1 1/2 Kw.	.79
C16807	67021	12 1/4"	1 1/2 Kw.	2.40

## PYREX Double Lead-Ins

Have high dielectric strength and low loss. Flanges are wide and flat. Supplied with two rubber gaskets for watertight seal, four jam nuts, two metal washers and two rubber washers. Will provide for better operation under adverse conditions. Wt. 2 lbs.



No.	Type	O.D.	Rod	Each
C16813	67104	2 1/2"	15"	\$1.76
C16814	67105	2 1/2"	20"	1.84
C16817	67115	6 1/2"	15"	2.80

## PYREX Assembled Navy Type Insulators



Both types have flanges 8 3/4" in dia. with six 1/2" studs equidistantly spaced on 7 3/4" bolt circle and are approximately 6" high from bottom of lower flange to top of center pin. 1 1/2" center pin is 3/8" dia. with 16 threads per inch. Clear Pyrex bowls.

No. 67071 (left) has studs 1 1/2" long and in bottom flange three countersunk 1/2" holes on 7 3/4" circle.



C16818—Your Cost. No. 67076 (right) with 1/8" thick template ring; 2 1/2" studs.  
C16819—Your Cost..... **\$16.00**

## Insulante Plug & Socket

For use with XR—16 coil forms. PB-16 Plug.

C14614—27¢
C14615—33¢

## Glazed Porcelain Wall Insulator

For supporting wiring or apparatus. Glazed, ridged porcelain; 2 1/8" high. Plated nut and screw.

C16735—Each..... **11¢**  
10 For..... 99c

## Pyrex Stand-Offs

Non-hygroscopic. Oval base 3 1/4 x 1 1/4"; dia. of glass 1 1/2". Flashover value 22.5 and 58 kv. respectively (when dry). Shpg. wt. 2 lbs. 3" high. No. 67106.

C16808—Each..... **\$1.80**  
7" high. No. 67107.  
C16809—Each..... **\$2.00**

## PYREX Airplane Insulators

High dielectric strength and low power loss. 3 1/2" O.D.; length 4". With brass fittings as illustrated. No. 67080.

C16810—Each..... **\$2.80**

## PYREX "Navy" Bowls

Clear, Navy type bowls having high dielectric strength and low loss. Overall height 4 3/4". Have hole for center rod.

C16815—No. 67009. Base 6 1/8" } 80c  
C16816—No. 67037. Base 6 1/8" } ea.

## Strap Insulator

Heavy duty porcelain to mount large diam. tubing or antennas to poles and vent pipes. 18" strap will accommodate pipes up to 6" diam. 10-24x3" stud.

C17106—Your Cost Ea. **25¢**

## NATIONAL Insulante Stand-Offs

Metal mounted top and bottom. Shaped for maximum efficiency. Ideal for r.f. choke cores.

No.	Type	Dia.	Ht.	Each
C14479	GS-1	1/2"	1 3/8"	24c
C14480	GS-2	1/2"	2 3/8"	30c
C14481	GS-3	3/4"	2 3/8"	60c
C14482	GS-4	3/4"	4 3/8"	75c
C14475	GS-4A	3/4"	6"	\$1.05

## BIRNBACH Stand-Offs

Made of white, brilliantly glazed porcelain, for maximum insulation. Ideal for mounting condensers, coils, tube sockets

and other high frequency apparatus. Complete with nickle plated brass hardware.

No.	Ht.	B. Dia.	Thread	Ea.
C17001	5/8"	5/8"	6-32	7c
C17002	1 1/8"	1 1/8"	8-32	9c
C17003	1 1/2"	1 1/2"	10-32	11c
C17004	2 1/4"	1 1/2"	1/4-20	18c
C16998	1"	1 1/8"	Jack*	12c
C16999	1 1/2"	1 1/8"	Jack*	14c

\*Standard banana jacks; on top.

## Steatite Buttons

Simplifies wiring. Use as binding post, binding post insulator or as standoff insulator. Special screw locks both sections. 3/4" dia. 6/32 stud.

C16711—Each. **15¢**

## MILLEN Stand-Offs

Made of Quartz Q, a highly polymerized styrene having remarkably low R.F. losses and high resistance to voltage breakdown. Have fitted metal tops. Ideal for low-loss forms.

No.	Type	Dia.	Lth.	Each
C8008	30001	1/2 x 1 3/8"		15c
C8009	30002	1/2 x 2 3/8"		21c
C8010	30003	3/4 x 2 3/8"		55c
C8011	30004	3/4 x 4 3/8"		65c

## MILLEN Feed-Through Bushing

Small insulante unit; lead shoulder for 1/4" hole.

C7999—5 For..... **25¢**

## Large Stand-off Insulator

Extra-heavy glazed porcelain. Ribbed body for increased surface area. 4" long. Has hole for wire.

C16800—Your Cost..... **11¢**  
10 For..... 95c

## NATIONAL Insulators

AA-3 Feeder Spreader (top) is 6 1/2" long, 3/8" diameter. Will give 600 ohm surge impedance with No. 12 wire.

C14498—Each..... **36¢**

AA-6 Antenna Insulator (bottom) 1 1/2" dia., 4 1/4" long.

C14499—Each..... **54¢**

## BIRNBACH X-mitter Lead-in Insulators

Each 2 1/2" high, of vitrified glazed porcelain. With nickel-plated brass hardware. Also have lead and cork washers to make watertight seals.

No.	Rod	Bushing	Each
C17037	10" Metal		68c
C17038	15" Metal		76c
C17039	10" Porcelain		88c
C17040	15" Porcelain		\$1.12

## BIRNBACH Hi-Voltage Feed-Through Insulators

Has high dielectric and mechanical strength. Extra long leakage path. Bottom sleeve tapped. Height 1 3/8"; base dia. 2"; mtg. hole 1 1/4". Hdw. 1/4-20.

C16712—Each..... **32¢**

## ICA Standoff Insulators

Made of white glazed insulux.

C16730—1" High... 7c  
C16731—1 1/2" High... 9c  
C16732—1 3/4" High... 11c

## ICA FEED-THROUGH INSULATOR

C16733—3/8" High, require 3/8" Mtg. Hole..... 12c



# CHOKES and COILS



## HAMMARLUND Heavy-Duty R.F. Choke



For high power rigs working in the 20, 40, 80 and 160-meter bands. Six pies on Isolantite core carry 500 ma., continuous. Inductance 2.5 mh., d.c. resist. 80hms. For parallel feed. Effective from 1500 to 30,000 kc. Type CH-500.

**C8522—Your Cost \$1.05**

## Isolantite R.F. Choke

For short and ultra-short wave receivers and transmitters. Four windings carry 125 ma., inductance 8 mh., d.c. resistance 70hms. 1 3/4 x 3/4". Type CH-8.

**C8524—Your Cost .90¢**

## Midget R.F. Choke

5 universal-wound pies on Isolantite core 1 1/2" long, 1/2" in diameter. Inductance 2.1 mh., d.c. resistance 35 ohms, rated at 125 ma.

**C10022—Type CH-X Your Cost Each .30¢**

## 250 Ma. Choke

Similar to above in design but rated at 250 ma. for use in medium power rigs; inductance 1 mh.; 10 ohms d.c. res.

**C10038—Each .30¢**

## BUD UHF R.F. Choke

5.7 microhenries at 750 ma.

**C10108—Each .18¢**

## NATIONAL R100, 100U, 300 Chokes



**R100.** (A) For receivers and low-power transmitters. Four sections on Isolantite. Wire leads. Induct., 2 1/2 mh., DC resist., 50 ohms, rating, 125 ma., dist. cap., 1 mfd. **C14429—Each .30¢**  
**R100U**—Same as above, for chassis mounting. (B) **C14421—Your Cost .36¢**  
**R300**—Like R100, but 1 mh. induct., 10 ohms DC; 300 ma. 1 mfd. dist. cap. (A) **C14422—Your Cost .30¢**

## HAMMARLUND Bakelite-Cased Chokes

Very effective for broadcast and SW receivers. Large inductance, low distributed capacity. Bakelite case 1 3/16" diam., 1 3/8" high.

Type RFC85—Passes 60 ma. 85 millih., 215 ohms. **C8525—Your Cost \$1.80**

Type RFC200—250 millih. at 60 ma., 420 ohms. **C8526—Your Cost \$2.10**

## BUD H.F. R.F. Choke

0.5 mh. at 250 ma. DC resistance 16 ohms. 1/2" Isolantite core.

**C10124—Each .53¢**

## OHMITE R.F. Chokes



Solenoid chokes designed to avoid fundamental or harmonic resonations. All 1000 ma. No brackets on 2 1/2 or 5 meter chokes.

Stock No.	Band Meters	Mic. Hya.	Dimens.	Your Cost
C10083	2 1/2	2.0	1 3/4 x 1 1/2	15c
C10079	5	5.5	1 3/4 x 1 1/2	15c
C10080	10 & 20	30	3 x 3	47c
C10081	20 & 40	90	6 x 4	71c
C10082	20 to 160	200	6 1/2 x 3 1/2	97c

## TRUTEST R.F. Chokes

Four pie wound sections on Isolantite form. 2.5 mh., 150 ma. 50 ohms d.c. resistance distributed cap. 1 mfd.

**C10106—Each .15¢**

**C10107**—Same but heavily impregnated. **Each .19¢**

**C10109**—2.1 mh., 250 ma. heavy duty choke. **Each .23¢**

## MILLEN Hash Filters

To eliminate interference caused by mercury vapor rectifier tubes. Type "A" is for 82 or 83 tubes. "B" is for 866s. Connect in each plate lead, close to tube.

**C8060—"A" Your Cost \$1.00**

**C8061—"B" Your Cost, per Pair \$1.25**

## TRUTEST Transmitting Chokes



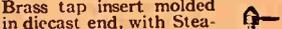
Tapered 6 section winding on a ceramic dowel. Distributed capacitance

1 mfd. D.C. resistance is 5 ohms for the first, 12.5 ohms for the second and 34.9 ohms for the last.

Stock No.	Milli-henrys	Cap. Ma.	Your Cost
C10234	2.8	1000	\$1.29
C10235	5.5	500	1.14
C10229	5.9	200	1.14

## Millen RF Choke

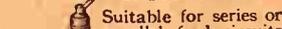
Brass tap insert molded in diecast end, with Steatite standoff at other end. 2.5 mh.; 50 ohms D.C. resistance. 125 ma. capacity. **C8058—Your Cost Each .36¢**



## NATIONAL R-175 Choke

Suitable for series or parallel feed circuits in rigs up to 3000 volts modulated plate supply. DC resistance 6 ohms; DC current rating 800 ma.; inductance 225 microhenries; distrib. cap. 0.6 mfd.; 12,500 volts insul.

**C14398—Each \$1.80**



## BUD 50-W Plug-In Coils

Air-wound plug-in oscillator and buffer coils. Fit 5-pr. socket. End link coils not tapped, others center-tapped. Ceramic base.

Center Link	End Link	Vari. Band	Cap Mfd	Your Cost
C10634	C10640	C10602	160M 90	\$1.03
C10635	C10641	C10603	80M 75	.97
C10636	C10642	C10604	40M 50	.97
C10637	C10643	C10605	20M 33	.97
C10638	C10644	C10606	10M 28 1/2	.97
C10639	C10645		5M 18	.79

\* 95 mfd. for variable link coil. † 21 mfd. for variable link coil.

## TRUTEST Bakelite Ribbed Plug-In Coil Kit



On ribbed, natural color Bakelite forms. Space windings. Wave-range printed on card on each coil. For .00014 or .00015 mfd. tuning. Windings comprise tickler and grid input.

**4-PRONGS—2 WINDINGS**

Set of four 4-prong coils cover 15 to 217 meters. **C9982—Your Cost \$1.47**

**C9982—Your Cost \$1.47**

Two coils to cover broadcasting 190-550 meters. **C9983—Your Cost \$1.18**

## TRUTEST Tube Base Short-Wave Coils

Wound on Bakelite tube bases with 4 prongs. Covers 16 to 225 meters. Tunes with either .00014 or .00015 mfd. condenser. **C9981—Set of 4 coils Your Cost, Special .72¢**

**C9981—Set of 4 coils Your Cost, Special .72¢**

## PLUG-IN COILS AND FORMS

### HAMMARLUND "XP53" Short-Wave Plug-In Coils



Provide maximum signal strength and greatest selectivity on all bands. Precision wound on natural amber colored ribbed forms. Have flange grips for easy handling, and meter indexes for wave-length inscriptions. 1 1/2" diameter, 2 1/4" long (exclusive of prongs). Have shelf for padding condenser. Fit standard sockets.

### SWK4—4-Prong Kit

Kit for four 2-winding coils covering from 17 to 270 meters with 140 mfd. condenser. **C9788—Your Cost \$2.55**

### Individual 4-Prong Coils

Stock No.	Meters	Each
C8500	10 to 20	75c
C8474	17 to 41	75c
C8475	33 to 75	75c
C8476	66 to 150	60c
C8477	135 to 270	60c
C9790	250 to 560	75c

### SWK6—6-Prong Kit

Kit of four 3-winding coils covering from 17 to 270 meters with 140 mfd. condenser. **C9789—Your Cost \$3.00**

### Individual 6-Prong Coils

Stock No.	Meters	Each
C8501	10 to 20	90c
C8478	17 to 41	90c
C8479	33 to 75	90c
C8480	66 to 150	75c
C8481	135 to 270	75c
C9791	250 to 560	90c

### HAMMARLUND "SWF" Low-Loss Forms

Made of XP53 low-loss dielectric. Natural amber color. All forms are grooved and equipped with flange grips for easy handling. Meter indexes for wave-length inscriptions. 1 1/2" dia., 2 3/8" long.

**C9970—4 Pr. Each .30¢**

**C9971—5 Pr. Each .36¢**

**C9972—6 Pr. Each .36¢**

### "TCF" Giant Forms

Similar to above, but for large transmitting coils. Groove ribbed for air-spaced windings. Supplied with brackets for base mounting. 2 1/4" winding space; 3" long exclusive of prongs.

**C8740—4 Pr. Each .48¢**

**C8741—5 Pr. Each .48¢**

### TRUTEST Plug-In Coil Kits



Space wound on molded Bakelite forms 1 1/4" in diameter and 2 1/4" high. Have rims for easy handling. Tune with .00014 mfd. condenser.

**4-Prongs—2 Winding**

**C10040**—Kit of 4 coils covering 10-200 meters. **Your Cost \$1.08**

**C10041**—Broadcast coils. Two coils, 120-540 meters. **Your Cost .95¢**

**6-Prongs—3 Windings**

**C10042**—Kit of 4 coils covering 9.5-200 meters. **Your Cost \$1.62**

**C10043**—Broadcast coils. Two coils, 100-570 meters. **Your Cost \$1.27**

## Isolantite Coil Forms

Equipped with a black enameled grip handle. Size 1 1/2" diameter, 2 1/2" high, form only. Ample holes are provided for taps, etc.

**C10056**—4-prong form

**C10057**—5-prong form

**C10058**—6-prong form

Type CF **Your Cost 96¢ Each**

## TRUTEST Giant Coil Forms

Low-loss amber, ribbed for air-spaced winding. Have knurled flange for easy handling, and groove for wave-band index. 2 1/4" in diameter, 3 1/2" high, 3 1/4" winding space; eight ribs.

**C14385** 4 Prongs 53c Each

**C14386** 5 Prongs 56c Each

**C14387** 6 Prongs 65c Each

## Medium Coil Forms

As above, but undrilled and 1 1/2" diameter, 3 3/4" high. Bakelite.

**C9630**—4-Prong } **Each .26¢**

**C9631**—5-Prong } **Each .29¢**

**C9632**—6-Prong } **Each .29¢**

## TRUTEST Plug-In Coil Forms

Blank Bakelite forms only, for winding coils to your own spec's.

**C10060**—4 prongs

**C10061**—5 prongs

**C10062**—6 prongs

**Your Cost Each .21¢**

## TRUTEST Ribbed Bakelite Forms

Coil forms only as used in kits at left. Of molded Bakelite 2 1/4" high, 1 3/8" in dia. With rimmed tops.

**Stock No. Prongs Your Cost**

**C9988** 4 } **Each .24¢**

**C9989** 5 } **Each .24¢**

**C9990** 6 } **Each .24¢**



# REPLACEMENT COILS and CHOKES

## CARRON Standard I. F. Transformers



Built to highly exacting standards, these double tuned I. F. transformers will assure excellent results. Low loss trimmers. In 1 3/4 x 1 3/8 x 3 1/2" shield can. Spaced leads eliminate "flutter" under vibration. Frequency 456 Kc. C10147—Input

C10148—Output  
Either Above, Each... **88¢**

## CARRON Midget Iron Core & Standard I. F. X'formers

Designed for use with modern tubes. Wound with Litz wire. Ceramic base trimmer; polystyrene impregnated winding forms double tuned. Leads from trimmer spaced away from windings. For use in one or two stage amplifiers. Only 2 1/2 inches high, 1 1/4" square.



Iron Core 456 Kc.

C10204—Input  
C10205—Output  
Either Above, Each... **\$1.03**

Standard 456 Kc.

C10206—Input  
C10207—Output  
Either Above, Each... **73¢**

## CARRON Cartwheel I. F.



For unshielded operation in midget radios. Not to be used where original was in shield can; not to be placed in a shield. Tunes to 456K.

C10146—Each... **65¢**

# Carron COILS

**Electrical Coils to Your Specifications**  
We are prepared to furnish all types of electrical windings to your specifications—solenoid, form and bobbin windings, universal and universal progressive wound coils. Send us your coil specification for quantity quotations and delivery.

## CARRON Slipover Replacement Primaries



Permit serviceman to make repairs with minimum of expense and time. Antenna inductance 1.7 MH. R.F. inductance 3.5 MH. Individually packed to prevent tangling of long leads. Directions for use included. Stock No. Type Inside Diam.  
C10300 Antenna 3/8 ins.  
C10301 R.F. 3/8 ins.  
C10302 Antenna 1/2 ins.  
C10303 R.F. 1/2 ins.  
C10304 Antenna 13/16 ins.  
C10305 Antenna 1 1/16 ins.  
C10306 Antenna 1 1/16 ins.

Any Type Above, Your Cost, Each... **21¢**

## Dowel Type Primaries

For use inside of coil form. Drilled dowels 1/2 inch long. R.F. inductance 3.5 MH.

C10201 1/2" Outside Coil Diam.  
C10202 1/2" Outside Coil Diam.  
Either Above, Your Cost, Each... **21¢**

## Oscillator Coils for "Electron Coupled" Converter Tubes



Use with converter tubes such as the 6SA7. Furnished in dowel wound types for operation with 455.6 Kc I. F. frequencies only. C10237—Your Cost... **44¢**

## CARRON R. F. Chokes

All purpose r.f. chokes wound on seatite dowels. Both winding and dowel impregnated, sealed permanently against humidity. Accurately rated. Mounted on "L" bracket, placing lugs in easy connecting position. Excellent replacements.



Stock No.	Inductance in MH.	Your Cost ea.
C10208	2.5	<b>24¢</b>
C10209	5.5	
C10210	7.5	
C10211	10.0	29c
C10212	30.0	35c
C10213	60.0	41c

## Unshielded Universal Adjustable Coils



Exact inductance of replaced coil covering 550-1715KC matched easily. Oscillator coil adjustable from 175 to 520 kc. Have universal mounting facilities and can be mounted in original shield or used as is. Inductance adjusted by slipping core in or out of coil and then set with radio cement. C10307—Antenna  
C10308—Auto Radio Antenna  
C10309—R.F.  
C10310—Oscillator  
Any Type Above, Your Cost, Each... **59¢**

For listing of Carron replacement cones and field coils see page 23.

## Ultra Midget Coils

Furnished shielded and unshielded. Universal Progressive bank wound with "litz" wire on impregnated tubes. Tapped for the police band. Even gain over broadcast band. Tune 550-1715 kc with 365 MMF condenser. Size 1 1/4 x 1 1/4" long. Mounting centers 1 1/4".



Shielded Type  
C10311—Antenna  
C10312—R.F. Each **41¢**

Unshielded Type  
C10313—Antenna  
C10314—R.F. Each **32¢**

## Pee Wee and R. F. Coils



Designed for service replacement in miniature sets. Secondaries "progressive" wound with Litz wire on 1/2 x 1/2" impregnated forms. High impedance primaries and coupling turns provided to give maximum response thruout B.C. band. Ear lug mounting also perforated bracket for all mounting methods.

C10315—Antenna  
C10316—R.F. Each **32¢**

## Litz Ant. & R. F. Coils

Employ new type bank winding for practically constant gain and selectivity over B.C. band. High impedance primaries. Tune 540-1500 kc with 356 MMF condenser. Impregnated 7/8 x 2 1/4" tube. Round cans with spade bolt mtg. on 1 1/4" centers. 1 1/2 x 2 1/4".



Shielded Type  
C10317—Antenna  
C10318—R.F. Each **47¢**

Unshielded Type  
Univ. bracket; standoff mountg.  
C10319—Antenna  
C10320—R.F. Each **41¢**

## "Universal-Adjustable" Iron Core Antenna, R. F. and Oscillator Coils

Will replace broadcast band coils in practically any receiver. Will accurately track with other coils in the receiver when properly adjusted. Exact inductance of burned out coil easily matched with screw driver adjustment of the iron core. Will improve gain and selectivity. Oscillator coil can be adjusted from 175 to 520 kc. and used with either cut plate or padding condenser circuits.



Unshielded Coils  
Stock No. Type Each  
C10007—Antenna } **80¢**  
C10008—RF }  
C10009—Oscillator }

Shielded Coils  
As above but with Black crackle cans 1 3/4" square, by 2 1/2" high.  
C10120—Antenna Each  
C10121—RF } **\$1.29**  
C10123—Oscillator }

## "Permeability Tuned" I.F.'s

Drift-proof transformers similar to the above but permeability tuned with adjustable iron cores. 1 3/4 x 1 3/8 x 3 1/2".  
C10386—456 kc.\* Input  
C10387—456 kc.\* Interstage  
C10388—456 kc.\* Output  
\*Range 440-500 kc.  
Any Above Each... **\$1.94**

# Meissner COILS

## MEISSNER "Plastic" I.F. Coils Stable—Compact—Wide Range

A new transformer in which the trimmer base and the coil form (dowel) are moulded in one piece. The use of a special plastic material permits holding dimensions to within .0005". Trimmers "floated" away from the base with an air-gap between the bottom plate and plastic base. Wide range. Compact in size; 1 1/4" square by 2 1/2" high. Specially-served Litz wire. Double tuned. Metal shield can. Unaffected by temperature or humidity. Suitable for Input and Output.



Stk. No.	Meissner No.	Set at Kc.	Range KC	Each
C10373	16-6649	175	140-200	<b>65¢</b>
C10376	16-6652	262	200-310	
C10379	16-6655	370	305-480	
C10383	16-6658	456	400-550	

## Oscillator Coils

For 190 to 550 meter broadcast band. Used with .000365 mfd. condensers. Shielded type is 1 1/4" H. 1 1/2" D. Used with I.F. x'fms. and r.f. and antenna coils. Padders not supplied.



No. Shielded	Freq. K.C.	Padder Mmf.	No. Unshielded
C10029	175	900	C10028
C10031	456	350	C10030

Your Cost—Shielded... **62¢**  
Your Cost—Unshielded... **48¢**

## Compact Ant. and R.F. Coils

Compact coils designed particularly for use where space is limited. 190-550 meters with 365 mmfd. variable condenser. High impedance primary. Litz secondary. Form is 5/8" diam., 1 1/4" long. Shielded coils mounted in 1 1/2" d. cans 2" high. Shpg. wt. 1 lb. each.



SHIELDED  
C10005—Ant. Coil }  
C10006—R.F. Coil } Ea. **39¢**  
UNSHIELDED  
C10003—Ant. Coil }  
C10004—R.F. Coil } Ea. **29¢**

In addition to the Meissner items listed above, we are still able to supply many of the Meissner numbers formerly available. Write for information and prices on your requirements.

## DeLuxe Air-Tuned Iron Core I.F. X'formers

High gain Ferrocart I.F. transformers tuned with "Align-Aire" air-tuned trimmers. Excellent for communications and other receivers. Non-microphonic. Air trimmers permit 3600° of micrometer tuning. Double tuned. Black crackle finished cans 2x2x4 1/4". Set at 456 KC. Freq. range 415 to 540 KC.



C10264—Input  
C10265—Interstage } Each  
C10266—Output } **\$3.23**

## Ferrocart (Iron Core) IF Transformers

Double-tuned I.F.'s with low-loss trimmers. Accurately made of the best materials and oscilloscope-tested for gain and selectivity. Mounted in 1 3/4" square by 3 1/2" high black crackle-finished cans. Leads are RMA-color-coded.



Input Output KC  
C9689 C9687 456 360-600  
Your Cost Each... **\$1.29**

## MEISSNER Manual

A handy "How to Build" instruction manual. Instructions on how to build all Meissner models from 1 tube through FM and television receivers. C19978—Your Cost... **48¢**



# All-Purpose RELAYS

## Relays by GUARDIAN Overload Relays



Oversize silver SPST contacts rated at 1500 watts non-inductive or 1000 watts inductive 110 volt AC load. Contacts lock open, cannot be reset, or held in contact until overload is removed. Coil insulated for 200 volts—to be used in series with negative lead in DC power supplies.

- C14113**—Guardian L250. Breaks circuit at 250 MA. Maximum drop across coil 10 volts. **Your Cost... \$5.06**
- C14122**—Guardian L500. Breaks circuit at 500 MA. Maximum drop across coil 5 volts. **Your Cost... \$5.06**

**Antenna and High Frequency Relays**  
Low capacity oversize silver contacts handle 1 KW in AF or RF circuits at frequencies up to 28 MC. Alsimag insulation; 110 volt AC coils.

- C14118**—Model R-100 SPST, Normally Open. **Your Cost... \$1.85**
- C14115**—Model R-100-B SPST, Normally Closed. **Your Cost... 1.85**
- C14117**—Model A-100 DPDT. **Your Cost... 4.03**
- C14114**—Model A-100-C SPDT. **Your Cost... 2.23**

**Keying Relay—SPST Normally Open**  
Silver contacts handle 1500 watts non-inductive or 1000 watts inductive at 110 volt AC. Clean make and break at potentials of up to 2000 volts. Insulated for 5000 volts. Coil operates on 1 1/2 to 4 volts DC or 5 to 16 volts AC.

- C14123**—Model K-100. **Your Cost... \$3.70**
- Break In Relay**  
Specifically designed for break-in operation of transmitters. 1/4" fine silver contact points handle 1500 watts non-inductive or 1000 watts inductive 60 cycle AC. Two sets of SPST contacts, 110 volt 60 cycle coil.
- C14125**—Model B-100. **Your Cost... \$5.06**



## LEACH Four-Pole Relay

A heavy duty relay with two sets of SPDT contacts, and two sets of SPST contacts, normally open. All metal parts are brightplated and all soldered joints are carefully enamelled to prevent corrosion. Contact arms and springs are heat-treated beryllium copper, and contacts are 1/4" pure silver, slightly crowned. Each set of contacts is rated at 6 amperes at 115 volts AC. Relay coil consumes 6 VA at 115 volts AC. Normal pull-in voltage, 92 volts; drop-out voltage 75 volts. Base and insulation are natural brown canvas bakelite. Base size 3 1/4" square, 1/4" thick. Overall height 1 1/4". Shpg. wt. 1 lb.

- C14251**—Leach No. 2129BF. **Your Cost... \$3.95**

## ALLIED Control Relays

Type "PC". Available for AC, DC and plate circuit operation. Plate circuit type (2500 ohms) can be adjusted to pull in at from 6 to 8 ma. and drop out at 3 to 5 ma. Contact ratings of all models 5 amps. of non-inductive AC load (not to exceed 10 operations per minute at maximum rating; speed can be increased with smaller loads). Contacts of coin silver. Insulated bracket.



S.P.D.T.	Each	Coil	D.P.D.T.	Each
<b>C14105</b>	<b>\$1.57</b>	2500—ohms	<b>C14097</b>	<b>\$2.94</b>
<b>C14106</b>	<b>1.67</b>	6 V. AC	<b>C14098</b>	<b>3.14</b>
<b>C14107</b>	<b>1.57</b>	6 V. DC	<b>C14099</b>	<b>2.94</b>
<b>C14108</b>	<b>1.67</b>	110 V. AC	<b>C14121</b>	<b>3.14</b>

## WARD-LEONARD Relays

### Standard-Antenna Change-over



Mycalex base and cross-arm. Coil consumption 3 to 4 watts at 110/120 V. 50/60 cycles A.C. Wiping make and break silver-to-silver contacts. Base 2 1/2"x2 1/2".

- Double-pole double-throw, single break.** Shpg. wt. 1 lb.
- C14148**—Type 507-531. Each... **\$4.70**

**With Break-in (No. 507-534)**  
Same as above but with two additional single poles. One normally closed, the other normally open. Base: 3 3/8"x2 3/8". Shpg. wt. 1 lb.

- C14131**—**Your Cost... \$6.47**

**Remote Control Heavy Duty Midget Single-pole double-throw,** single break. 110 V. A.C. operation. Silver to silver self-cleaning contacts. Rating: 20 amps. A.C. normally open, 15 amps. A.C. normally closed. Size: 2 3/8"x1 1/2". Shpg. wt. 1 lb. Type 507-549.

- C14124**—**Your Cost... \$2.94**

**Thermal Time-Delay Relay**  
For rectifier tube protection. **Single-pole double-throw,** single break. Timing adjustable from 15 to 45 sec. 4 amp. contacts. Dust proof cover. 110/120 V. 50/60 cyc.

- C14129**—4 1/2"x4 3/8". **Your Cost... \$8.82**

Relays are available on priority only. To expedite delivery, please include your highest preference rating.

## POTTER-BRUMFIELD Relays

### Type "PR"



Designed for motor starting up to 1 HP, heater load to 20 amperes, or any control circuit requiring fast positive switching. Full floating contact carrier positively locked in place. Coil operates on only 4 volt-amperes or approximately 3 watts. Will not heat in continuous duty. 3/8" silver contact points rated in double break type at 20 amperes non-inductive at 110V. AC or 10 amps. 110V. DC, or 1 HP 110 or 220V. single phase motor. Single break types carry non-inductive loads of 15 amps. 110V. AC, 8 amps. 110V. DC or 220V. AC. Size: 2 3/8" long, 2 3/8" wide, 2" high. Shpg. wt. 2 lbs. each.

No.	Type	Contacts	Coil Vlt.	Each
C14254	PRA-1	SPST-DB-NO*	6V/60c AC	\$2.50
C14255	PRA-1	SPST-DB-NO*	110/60c AC	2.50
C14256	PRA-2	SPST-DB-NC*	6V/60c AC	2.50
C14257	PRA-2	SPST-DB-NC*	110/60c AC	2.50
C14258	PRA-3	SPDT	6V/60c AC	2.75
C14262	PRA-3	SPDT	110/60c AC	2.75
C14263	PRA-4	DPST-NO	6V/60c AC	3.60
C14264	PRA-4	DPST-NO	110/60c AC	3.60
C14265	PRD-1	SPST-DB-NO*	6V/DC	2.45
C14266	PRD-1	SPST-DB-NO*	24V/DC	2.45
C14267	PRD-2	SPST-DB-NC*	6V/DC	2.45
C14268	PRD-2	SPST-DB-NC*	24V/DC	2.45
C14269	PRD-3	SPDT	6V/DC	2.70
C14270	PRD-3	SPDT	24V/DC	2.70

\*NO—normally open. \*NC—normally closed.

### EBY Sensitive Relays

For all work requiring a highly sensitive relay. Contacts handle 110 V. A.C. at 2.5 amp. or 110 V. D.C. at 1.5 amp.

- C14171**—1000 ohm coil. **Each... \$5.00**
- C14177**—2500 ohm coil. **Each... 5.14**
- C14178**—5000 ohm coil. **Each... 5.29**
- C14179**—10,000 ohm coil. **Each... 5.59**

### "MR" Series



A more compact relay for lighter loads than the one listed above. Will handle 8 amps. AC or 4 amps. DC non-inductive loads. Adjustable spring. No current carried thru spring. 2 3/8" L., 1 3/8" W., 1 3/8" H. AC coils require approx. 2 watts; DC approx. 1 1/2 watts.

No.	Type	Contacts	Coil Vlt.	Each
C14271	MRA-1	SPDT	6V/60c AC	\$1.55
C14272	MRA-1	SPDT	110V/60c	1.55
C14273	MRA-4	DPDT	6V/60c AC	2.20
C14274	MRA-4	DPDT	110V/60c	2.20
C14275	MRD-1	SPDT	6V/DC	1.55
C14276	MRD-1	SPDT	24V/DC	1.55
C14277	MRD-4	DPDT	6V/DC	2.20
C14278	MRD-4	DPDT	24V/DC	2.20

**Plate Circuit Type:** similar to above but only 1 1/2" high. Handle 6 amps. 110 V. AC.

- C14279** MRS291 SPDT 2500-ohm coil **\$1.00**
- C14281** MRS292 SPDT 5000-ohm coil **\$1.15**

### Automatic Lock—Relay Electrical Release



Employs two coils—one to operate relay and another to release the lock. When the circuit to the operating coil is closed momentarily the normally closed contacts

open and the normally open ones are closed with the relay remaining in this position even with the current removed from the coil. In order to return the contact positions to normal, current is applied to the "release" coil which removes the automatic lock and allows the relay to return to its original position. 3 1/2", 2 1/2", 1 3/4".

- C14142**—ELA-6. DPDT contacts. 110 V. 60 cycle AC coils. Shpg. wt. 2 lbs. **Your Cost... \$3.10**

## AMPHENOL "912-B" Sheets



Strong, clear flexible material (Polystyrene) for high frequency, RF or high-voltage work. Does not deteriorate with age and will not discolor. Absorbs little moisture; water content only .8%. Can be cut, drilled, machined, etc. Can be shaped when heated.

Stock No.	Overall Dimensions	Your Cost Each
C8071	6x8x1/8"	\$0.59
C8072	6x8x1/4"	1.18
C8073	6x8x3/8"	1.76

## Amphenol "912-B" Strips

A synthetic resin having transparency greater than most glass and having good electrical insulation characteristics. Can be shaped (when heated), drilled, cut, etc. Very strong. In strips 12" long, 1/4" thick. For Coil supports, transmission line spreaders, trimmer bases, or binding post or tip jack mounting strips.

No.	Width	Each
C8063	1 1/2"	16c
C8064	2 1/2"	21c
C8065	3 1/2"	24c
C8066	4 1/2"	30c

For U.H.F. antenna, RF and oscillator coils. 1 1/4" long, 3/4" dia. Raised hole in center, for self tapping screw. Drills easily.

- C11577**—**Your Cost... 9¢**

## Polystyrene Rods



Molded from pure polystyrene. 6" and 12" lengths for machining special coil forms and low loss parts.

C8074	1/4" dia. x 6" L.	11c
C8075	3/8" dia. x 6" L.	13c
C8076	1/2" dia. x 6" L.	23c
C8067	1/4" dia. x 12" L.	21c
C8068	3/8" dia. x 12" L.	24c
C8069	1/2" dia. x 12" L.	45c

## Insulating Tubing



In natural smooth black. 1/16" thick wall.

Stock No.	Out. Diam.	Per Foot	Per Inch
C13150	1"	46c	5c
C13151	1 1/2"	60c	6c
C13152	2"	72c	7c
C13153	2 1/2"	85c	8c
C13154	3"	98c	9c

Natural Tan Color, 1/16" Wall

C13129	1/4"	39c	3 1/2c
C13130	3/8"	39c	3 3/2c
C13131	1/2"	45c	4c
C13132	3/4"	49c	4 1/2c



# HEADPHONES and ACCESSORIES

## BRANDES "Admiral" Headphones



Compact, efficient phones featuring powerful magnets, molded caps, steel headbands with new type adjustable clips, concealed terminals. With 5-ft. cord.

**C13928**—2000 ohms **\$1.97**  
Per Set

**C13929**—3000 ohms **\$2.14**  
Your Cost, Per Set

**C13930**—5000 ohms **\$2.57**  
Your Cost, Per Set

## BRANDES "Superior" Headphones

The old standby in the radio field. Similar to above, but with exposed screw terminals. 2000 ohms.

**C13925**—Your Cost, Per Set **\$1.87**

### Headphone Caps and Diaphragms

**C13936**—Bakelite Cap (fits all models). Each **18c**  
**C13935**—Aluminum Cap (fits all models). Each **18c**  
**C13937**—Diaphragm only (fits all models). Each **5c**

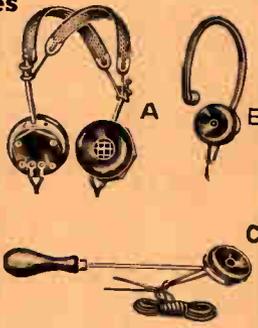
## BRUSH Crystal Phones

Range 60 to 10,000 c.p.s. High impedance. Molded brown cases sealed to insure against tampering. Light and comfortable.

**Double Headset**, Fig. A. Two phones. Padded adjustable headband. With 5 ft. cord. **C13924**—**\$6.47**  
Your Cost

**Single Headset**, Fig. B. Metallic headband with rubber end cushion. 5 ft. cord. **C13922**—Your Cost **\$3.47**

**Lorgnette Phone**, Fig. C. Single phone with chromium and black enameled handle. Extends from 12" to 17". 5 ft. cord. Shpg. wt. 1 lb. **C13923**—**\$4.41**  
Your Cost



## HEADPHONE ACCESSORIES

There are still available Bakelite caps, diaphragms, etc. for some of the headphones listed on this page. Give us your requirements and we will be happy to quote on availability and price.

### Glass-Enclosed Crystal Detector



Dust-proof. An easily adjusted crystal unit equipped with a super-sensitive mineral and a cats whisker.

**C13916**—**23¢**  
Each

### Stand with Crystal

Ball and socket swivel arm for contacting any point on crystal quickly and easily. Attractively mounted. Furnished with crystal that is tested for extra sensitivity. Clip terminals.

**C13917**—Complete **14¢**  
10 For **\$1.26**



### Fixed Crystal Detector in Bakelite Case

Supersensitive point found by meters and fixed permanently. In Bakelite case with screw connections.

**C13913**—Your Cost **46¢**



### Mounted Galena Crystal

Galena (lead sulphide) has been used for years because of its extreme sensitivity. These units have been carefully selected and tested. 10 For 54c.

**C13900**—Your Cost **6¢**



### Super-Sensitive Crystal

Gets more stations and gets them louder. Each crystal is meter-tested after selection.

**C13901**—Each **12¢**  
10 For **\$1.08**

### Cat Whiskers

Finest wire—correct tension—holds that sensitive spot.

**C13921**—Envelope of 3. Your Cost **9¢**



All Headphones are currently available only on priority. For immediate delivery, please extend your highest priority rating with your order.

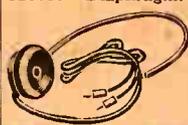
## "EMPIRE" DX Type Headphones

Made especially for DX fans. Have featherweight shells and a one-piece adjustable steel headband with adjustable clips. Each unit has a powerful bi-polar magnet and a BAKELITE CAP. Highly sensitive. Wt. 2 lbs.

**2000-Ohm Headset** **C13892**—Complete. **\$1.05**  
Your Cost

**C13893**—3000 ohms **\$1.33**  
Your Cost

**C13894**—Cap for above, Each **12c**  
**C13895**—Diaphragm, Each **5c**



### "EMPIRE" Single Unit Headsets

Similar to above, but one phone. Clock-steel band permanently attached; with 4 1/2 ft. cord.

**C13896**—1000-ohm single set. **71¢**  
Your Cost

**C13897**—1500-ohm single set. **84¢**  
Your Cost

## TRIMM Featherweight Phones

Lightweight—only 4 oz. Beautifully made. Bakelite shell and cap. Forged cobalt steel magnets. Adjustable steel headband.

**C13919**—24,000 ohms impedance.

**C13918**—4,000 ohms impedance. **\$5.88**  
Your Cost Each

**TRIMM Dependable Headset**

Well made low priced set. Bakelite shells and caps. Chrome steel magnets.

**C13914**—2000 ohms. **\$2.23**  
Your Cost Per Pair

**Professional Headset**: Similar but 4,000 ohms. **C13915**—Each **\$2.73**

**Commercial Headset**: DeLuxe super-sensitive phones. Exceptionally rugged. 3 year guarantee. A favorite of commercial operators.

**C13908**—17,000 ohms imp., with army-navy type plug. **\$9.40**  
Your Cost, Either Type

**C13909**—Same but 600 ohms impedance. **\$8.23**  
Your Cost

**C13912**—Same as **C13908** but less plug. **8.23**  
Your Cost

**C13938**—Same as **C13939** but less plug. **8.23**  
Your Cost



## CANNON-BALL Headphone Kit



When installed, the user can enjoy headphone reception only, speaker reception only or both together. Complete outfit consists of: 18' connecting cable, adapter with three-way switch and terminal jacks on an insulated panel, special Empire phones with 6-ft. cord and complete installation instructions. Shpg. wt. 3 lbs.

**C13944**—Your Cost, Complete Kit **\$2.09**

### Cannon Ball "Chief" All Bakelite Phones

High grade, sensitive phones in molded bakelite housings. Provided with leather covered adjustable head band and 5-ft. cord. Concealed terminals. Wt. 2 lbs.

**C13948**—Per Set **\$2.18**  
**C13949**—Per Set **\$2.33**



### Headphone Adapter

With 18' Cable. On fibre panel 2x2". For all sets.

**C13942**—Each **90¢**



### Extension Cord Connector

Has 2 openings, at either end, for inserting two pin tips. Molded body.

**C13051**—Each **10¢**  
10 For **90c**



## ARMY-NAVY Type Headphones



Sensitive and durable to meet Army and Navy specifications. Extra heavy duty bakelite cap, brass shell. Bi-polar magnets. 6-ft. cord.

Moisture proof. Shpg. wt. 2 lbs.

**C13926**—17,000 ohms impedance.

**C13927**—Same as above, but low impedance type. **\$10.95**  
Your Cost Each

**C14969**—Army-Navy type plug. Hard rubber insulation. Black acetate shell. Fits standard phone jacks. Each **\$1.32**

### Headphone Cushions

Soft rubber. Fit all type headphones.

**C13943**—Pair **65¢**  
10 Pairs for **\$5.85**



## Phone and Speaker Cords



### Cotton Braid Insulation

No.	Type	Feet	Each
<b>C13955</b>	Double*	5	<b>27¢</b>
<b>C13956</b>	Double†	5	<b>27¢</b>
<b>C13957</b>	Single†	5	<b>14c</b>

### Rubber Phone Cord

Headphone cord. **C13959**—Double\* 6-ft. **65¢**

### Extension Cords—Tinsel Center

Stock No.	Feet	Your Cost
<b>C13945†</b>	10	25c
<b>C13946†</b>	20	36c
<b>C13947†</b>	30	55c

\*Spade tips one end; straight tips other. †Pin tips both ends.

### Popular Phone Plugs

For 1 or 2 phone or speaker cords. Bakelite shell. 2 3/4" x 3/4".

**C14974**—Black **32¢**  
**C14971**—Red. Each **32¢**  
10 For **\$2.85**

**Metal Shell Type**

Same with nicked brass shell 3 1/4" x 3/4". 10 For **\$4.75**

**C14970**—Each **53¢**

**"Stubby" Metal Shell**

As above but with short metal shell 2 1/4" overall. 10 For **\$3.75**

**C14959**—Each **42¢**

**Midget Bakelite Plug**

Bakelite shell. 2 1/4" overall x 1/4" diameter. Solder lug connections.

**C14960**—Black **C14963**—Red  
Your Cost 10 For **\$2.85**

Each **32¢**

▲ For a complete listing of all types of phone plugs please refer to pages 19, 26, 86. ▼

# PROGRESSIVE RADIO

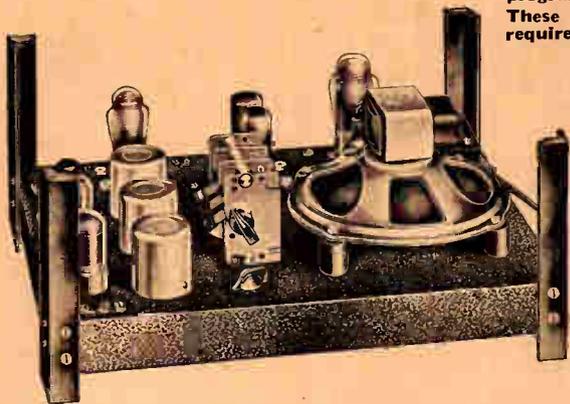


A progressive radio training program, from fundamentals through basic receiver and transmitter operation, may be designed around these kits. After construction of the complete series, matched individual units may be hooked up together for further instruction in modulation, frequency checks, antenna measurements, etc. (Lafayette's Engineering Service will gladly supply other kits, should your program so require.)

These kits include all components required as well as hardware, wire,

solder, etc. Chassis and cases are punched and finished. Large, easy-to-read schematic diagrams are supplied. Quality parts and ease of assembly permit units to be torn down and re-wired time and again.

These kits have been supplied in large quantities for use in the U. S. Army Training Schools and the U. S. Army Signal Corps courses. For more detailed information on our Training Kits send for our special Radio Training Kits Circular.



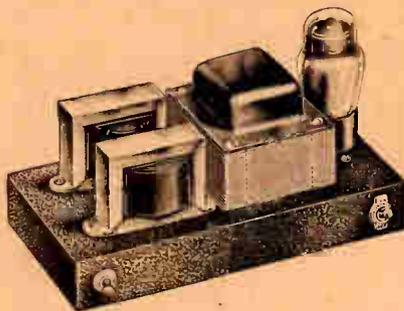
## 7 Tube TRF Demonstrator Kit

Comprises many progressive project possibilities in one unit. Can first be assembled to operate as a battery-powered detector. Rectifier can then be wired in for A.C. operation. This can be followed by a single r.f. stage, then a single a.f. stage. Later another stage of r.f. can be wired, to be completed by the final push-pull power output stage. Tip jacks and jumpers are provided as a means of operating each stage separately or in conjunction with other stages after assembling. Chassis of ample size so that voltage output and other measurements can be made conveniently from the top of chassis. Frequency coverage from 550 to 1700 Kc.

Tubes used: 2—6SK7 r.f. amplifier stages; 1—6C5 detector; 1—6L5 1st a.f. and 2—6V6GT push-pull beam power audio output and an 80 rectifier. Operates from 115 volt A.C. 50-60 cycle source; battery supply plug provided for use in primary stages until power supply section is completed.

Chassis has corner posts to support assembly on bench. Chassis size: 3x13x17". Complete with all parts, tubes, speaker, but less batteries. Shpg. wt. 20 lbs.

**LRC-70—Your Cost.....\$22.31**



## Power Supply Kits

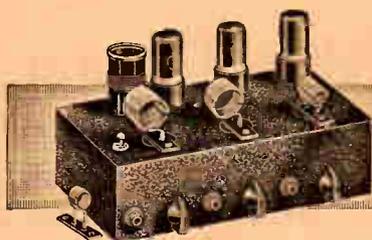
Designed as companion units to operate the Lafayette kits requiring external power source. Use of these power supplies reduces cost and unnecessary duplication of parts since only one or two supplies are needed to operate a complete series of kits. Tapped variable voltage divider provides intermediate voltages which, with both filament and high voltages, are terminated at a standard 7 prong socket. All Lafayette kits use the same standardized socket and plug arrangement, allowing instant interchangeability. Three section filter, with two heavy duty chokes, and a switch to disconnect the input filter condenser to demonstrate differences between condenser and choke filter input. In addition to their use as power source for the Lafayette kits described, these dependable units may also be used as a hum-free supply for other receivers, amplifiers, and small transmitters. Complete with all parts and an 80 type rectifier tube; ready to assemble and wire. Chassis size: 5x9 1/2 x 1 1/2". For 115 volts 50-60 cycles A.C.

**LRC-20—350 V. at 70 Ma and 6.3 V. at 3A. \$7.75**

Shpg. wt. 12 lbs. **Your Cost.....\$7.75**

**LRC-30—350 V. at 140 Ma and 6.3 V. at 3A. \$11.00**

Shpg. wt. 15 lbs. **Your Cost.....\$11.00**



## High Frequency Transmitter Kit

An ideal unit for instruction in high frequency techniques, exciter circuits and frequency multipliers. Oscillator circuit operates on 7 MC as either crystal controlled or electron coupled oscillator at the flip of a toggle switch. Second stage operates as doubler or quadrupler depending on choice of final operating frequency, and final stage operates as doubler to 28 or 56 MC. Jacks are provided in the cathode circuits of each stage for plate current readings. The LRC-40 amplifier kit may be used as a modulator, and power may be supplied for both modulator and transmitter by one LRC-30 or two LRC-20 power supply kits. One LRC-20 will operate the transmitter alone.

Complete with three 6V6GT tubes, 28 and 56 MC coils, and all other necessary parts. Less crystal. Chassis, 5 1/2 x 10 x 3". Shpg. wt. 8 lbs.

**LRC-60— \$15.90**

Your Cost.....



## Audio Amplifier Kit

A high gain two stage resistance coupled amplifier, utilizing a 6SJ7 input stage, and 6F6 output stage. Has sufficient gain to operate with high impedance microphones or phono pickups. Because of its excellent response characteristics and simplicity it is ideal for use in plotting response curves and in teaching basic audio theory. Fully shielded output transformer with 4-8-16-500 ohm output impedances. Can be used to amplify the LRC-10 kits, or as a modulator for the LRC-60 transmitter kit. One LRC-20 supply will operate the unit alone; use two LRC-20 or one LRC-30 supply if used with the LRC-60 transmitter. Complete with input and output connectors, tubes, and all other necessary parts. May be used with any good PM speaker. (Not supplied.) Chassis: 5x9 1/2 x 1 1/2". Shpg. wt. 8 lbs.

**LRC-40— \$7.25**

Your Cost.....



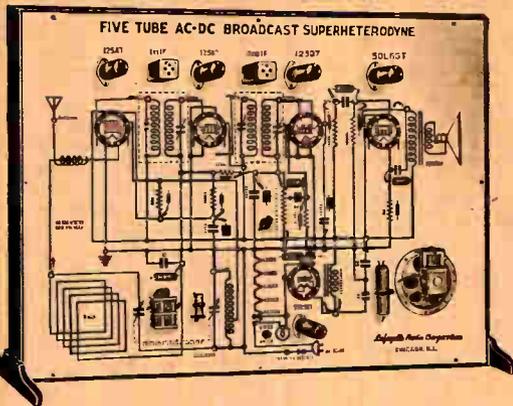
## Signal Generator Kit

All essentials for building an electron coupled oscillator using a 6SK7 tube to provide a reliable unmodulated signal source free from frequency drift. May be used to align receivers or to demonstrate oscillator circuits, and if properly calibrated, as a simple frequency meter. Plug-in coil form and magnet wire furnished; Winding coils to desired frequency provides excellent training in computing inductance and capacity. (Factory wound coils for specified frequencies can be supplied on quantity orders.) Has phone jack on front panel for external modulation, and pin jacks for output on top of case. Requires LRC-20 power supply for operation. Metal cabinet measures 5x9x6", with carrying handle. Complete with tube, all necessary parts, and diagram, but less power supply. Shpg. wt. 9 lbs.

**LRC-100— \$8.50**

Your Cost.....

# TRAINING KITS BY Lafayette



## 5-TUBE AC-DC DEMONSTRATOR

An excellent demonstration unit designed principally to simplify instruction in the theory of radio circuit design and operation, circuit analysis and trouble shooting, and proper use of test equipment in repair work. Multiple snap connectors are used on each tube element for signal and voltage measurement; also at circuit junctions so that each coil, condenser or resistor may be opened, or, where it will not damage the unit, shorted out to simulate actual conditions in defective receivers. Circuit diagnosis by use of test equipment can be practised without necessity of wiring in parts which are actually defective.

All trimmers are easily accessible from the front of the panel for demonstration of alignment procedure.

Consists of a 5 tube AC-DC superheterodyne, covering a frequency range of 540 to 1600 KC, with the following tube line-up: 12SA7 1st detector and oscillator; 12SK7 intermediate frequency amplifier; 12SQ7 2nd detector and 1st audio; 50L6 beam power output; 35Z5 rectifier.

Component parts are mounted adjacent to their schematic positions on a large diagram printed in four colors on an off-white background. Grid circuits are in green, plate circuits are in blue, positive potential (B plus) circuits are in red, and the balance of the circuit is in black, in accordance with RMA standards. Durable enamels, which will not easily chip or scratch, are used throughout.

The imprinted 30"x36" Lignolite panel mounts in a handsome black-lacquered hardwood frame, doubly reinforced at each corner, which measures 30 3/4" high, 36 3/4" long, and 3" deep. The assembled unit may be hung on a wall, or placed on a desk or bench in vertical position. Two removable mounting feet provide adequate and sturdy support.

For operation from any 110-120 volt, AC or DC, 50-60 cycle power source. Available in kit form, with every necessary part supplied, and with four-color panel completely finished and drilled, or in completely assembled and wired form, ready for operation.

**LRC-80**—Lafayette Demonstrator, in kit form. **\$39.50**  
**LRC-81**—As above, assembled and wired. **\$57.50**



## COMPLETE TRANSMITTER TRAINING KIT

This excellent training kit consists of a 6L6G Hartley type oscillator, a 6L6G neutralized amplifier, a 6L6G modulator and 5Z3 rectifier.

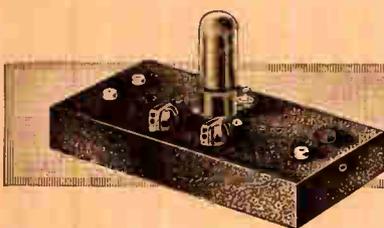
All coils are ready-wound on porcelain forms, using heavy copper wire to prevent easy damage. Completely punched and formed chassis of heavy enamelled steel. With the exception of meter and microphone every necessary part is supplied, including a neon bulb for meter-less tuning and a Mazda bulb for dummy loading. An antenna tuning circuit is provided, which works into low impedance antenna or a dummy load. Cathode circuit of the modulator tube provides button current for any single button carbon mike.

All controls and switches are located on the front panel with the exception of the gain control, which is located on the rear of the chassis and may be adjusted by means of a screwdriver. Three toggle switches control the power supply, one in the AC line, one in the negative power supply lead (to control the plate supply to the tubes without the necessity of removing filament voltages), and one to remove the plate supply to the RF amplifier stage while neutralizing. A red pilot light in the filament circuit indicates when AC power is on, and a green pilot light in series with the negative lead lights when plate voltage is applied and at the same time acts as a fuse to prevent excessive current from damaging any of the component parts. The green pilot also aids in tuning if no meters are available, with lowest brilliance indicating resonance. Off resonance current, however, will not injure tubes or parts. Oscillator tuning control calibrated throughout range of transmitter, 3.1 to 6.5 Mc. Oscillator circuit may be keyed for CW. Metering jacks provided in oscillator, amplifier and modulator cathode circuits.

Chassis measures 17x10x3" with corner posts extending 5" above chassis to permit placing unit in any position for wiring or test. Kit includes all tubes, coils, chassis, wire, hardware, solder, etc., all packed in a compartmentized carton with location diagram printed in lid of carton.

Parts list, chassis layout and oversize schematic diagram supplied with each kit. Shpg. wt. 20 lbs.

**LRC-150**—Your Cost. **\$29.00**



## Vacuum Tube Voltmeter Kit

Designed expressly to demonstrate the basic principles of the vacuum tube voltmeter. May be used in plotting tube characteristic curves. Non-current type—draws no current from the circuit under test. Uses a 1G4GT tube, 1 1/2 volt "A" battery and 45 volt "B" battery. Tip jacks provided for connecting operating voltages, voltages to be tested, and an external 0-1 milliammeter. When properly adjusted 1MA. meter will show 1 MA. at zero volts and slide back .1 MA. per volt until at 4 MA. it ceases to be linear. Max. input voltage 6 volts at impedance of 500,000 ohms. Complete in black wrinkle chassis, 5x9 1/2 x 1 1/2". With tube, less meter and batteries. Shpg. wt. 5 lbs.

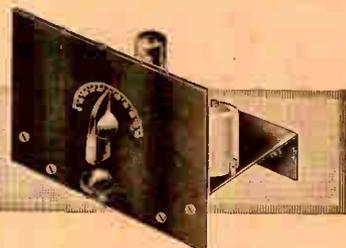
**LRC-50**—**\$3.50**  
 V. T. Voltmeter Kit



## Field Strength Meter Kit

Excellent for output measurements, plotting of antenna radiation patterns, monitoring of modulated signals, and, when properly calibrated, for rough frequency checks. Uses a 1G4GT as a simple diode detector entirely self-contained in a shielded metal case with convenient carrying handle. Coils are furnished to cover the 28 MC and 56 MC amateur bands, for use of this kit in conjunction with the Lafayette LRC60 transmitter kit. Coils for other frequencies may be easily hand-wound, or will be supplied to special order in lots of no less than 50. Tip jack mounted on top of case for external antenna. Output jacks are provided for meter and headphones, which may be used separately or simultaneously. Adequate room is provided inside case for 1 1/2 volt battery, which is the only power required for operation. Supplied with tube, 28 and 56 MC coils, and punched and drilled case measuring 5x9x6", but less battery, meter, and headphones. Shpg. wt. 9 lbs.

**LRC-90**—**\$6.50**  
 Your Cost



## One and Two Tube Kits

Ideal for use in elementary radio training, for instruction in detector operation, regeneration, and simple alignment procedure. Both kits use a 6J5GT regenerative detector, and the two tube kit has a 6SK7GT RF stage in addition. Identical chassis and panels are used in both kits, so that the one tube kit may be easily converted to a two tube with an RF stage with a minimum of additional parts. Frequency range 550 to 1700 KC. Operates from either LRC 20 or LRC 30 power supplies. Chassis and panel completely formed and punched. Panel size, 5 1/2 x 7"; Chassis 7" x 4 1/2 x 1 1/4". Complete with tubes, but less headphones and power supply. Shpg. wt. 3 lbs.

**LRC-10A**—One tube kit. **\$4.52**  
 Your Cost  
**LRC-10B**—Two tube kit. **Your Cost \$5.93**  
**LRC-10C**—Parts to convert 1 tube into 2 tube. **Your Cost \$1.58**

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# HOW TO ORDER BY MAIL FROM Lafayette Radio Corporation

CHICAGO 7, ILL.  
901 W. JACKSON BLVD.  
PHONE: HAYMARKET 0422 • TELETYPE NO. CG 320

MAIL YOUR  
ORDERS TO

ATLANTA 3, GA.  
265 PEACHTREE STREET  
PHONE: WALNUT 5140-1 • TELETYPE NO. AT 398

## PRIORITY INFORMATION

### RADIO SERVICEMEN - DEALERS - REPAIRMEN

You are permitted, under W.P.B. order L-265 to purchase needed repair parts. For further information on how to do so see page 1.

### GOVERNMENT AGENCIES - INDUSTRIALS - SCHOOLS

Always submit your highest priority for best possible deliveries. High priorities frequently enable us to obtain material otherwise unavailable.

### HOW TO ORDER

Use our convenient order blank (additional blanks sent on request). Please write in ink, legibly, and not more than ONE item to a line. Make sure you write the exact stock number and that the price is the one quoted for the item you want. Specify how we shall make shipment by checking the preferred square "Parcel Post", "Express", etc. We shall follow your instructions, but will change them wherever we are sure that such a change is to your better interest. Please keep all correspondence or remarks relative to your order on a separate sheet of paper. Make sure you include sufficient postage; all overpayments promptly refunded (if overpayment is under 10c, we will credit your account).

### DOMESTIC ORDERS

We buy for cash and sell for cash; this explains our low price policy. We do not carry credit accounts, and we pass on to our customers all savings affected by the elimination of costly bookkeeping. We will ship C.O.D. if desired, providing a deposit of at least 20% accompanies your order. C.O.D. parcels may be shipped ONLY to places in the 48 states of the U.S. and to U. S. territories. On small orders, remittance in full saves you extra costs.

### FOREIGN ORDERS

On foreign orders we require payment in the United States by irrevocable and confirmed letter of credit against documents, or 50% deposit with order, balance sight draft against B/L. All quotations F.O.B. our warehouse, with slight additional charge for export packing. Orders up to \$25.00 payable in full in advance, including postage. All remittances payable in U. S. funds.

### 2% TRANSPORTATION ALLOWANCE

On mail orders of \$25.00 or more, we allow you to deduct 2% from the total as transportation allowance, with the following exceptions: All Lafayette and National Co. products; all items sold under Fair Trade regulations; all items marked "Shipped Postpaid".

### RETURNS

If you find it necessary to return any merchandise for adjustments, please write in advance stating the following: reason for return—when and where purchased—number of sales slip (if purchased over the counter). If your shipment is received damaged, obtain a report from the postmaster or express agent and mail it to us. Use a separate sheet of paper for all adjustment matter; do not add remarks to a new order for parts. Do not include money in the package you return. When returning merchandise, pack carefully, insure, and write your name and address on all packages and letters. Adjustments may take 10 days.

### FINAL PRICES

Prices shown in this catalog are net, and except where marked "POSTPAID," do not include postage. All discounts have been deducted, including 2% discounts for cash. Prices are subject to change without notice; we give customers the benefit of all reductions taking place after the catalog is published.

### POSTPAID ITEMS

Items marked "Shipped Postpaid" do not require postage. Postpaid items refer only to shipments made within the 48 states of the U. S. only (does not include U. S. possessions).

### SENDING MONEY

The safest and best way to send money is by: American Express; Post Office or Telegraph Money Order; bank drafts; firm checks; stamps. Do not send cash. If absolutely necessary to remit cash, send by registered mail only.

## PARCEL POST RATES FOR ALL ZONES

Parcels up to 8 ounces may be shipped anywhere in the United States for 6c. Parcel post shipments to any zone must not exceed 70 pounds. The limit of size on all parcel post packages is 100 inches in length and girth combined, at

widest point. Example: a package 35 in. long, 10 in. wide and 5 in. high measures 65 in. in length and girth combined (length 35 in., plus twice 10 in. width, plus twice 5 in. height, equals 65 in.).

Weight In Pounds	ZONES							
	First Up to 50 Mi.	Second 50 to 150 Mi.	Third 150 to 300 Mi.	Fourth 300 to 600 Mi.	Fifth 600 to 1000 Mi.	Sixth 1000 to 1400 Mi.	Seventh 1400 to 1800 Mi.	Eighth Over 1800 Mi.
1	\$0.08	\$0.08	\$0.09	\$0.10	\$0.11	\$0.12	\$0.14	\$0.15
2	.10	.10	.11	.14	.17	.19	.23	.26
3	.11	.11	.13	.17	.22	.26	.32	.37
4	.12	.12	.15	.21	.27	.33	.41	.48
5	.13	.13	.17	.24	.33	.40	.50	.59
6	.14	.14	.19	.28	.38	.47	.59	.70
7	.15	.15	.21	.31	.43	.54	.68	.81
8	.16	.16	.23	.35	.49	.61	.77	.92
9	.17	.17	.25	.38	.54	.68	.86	1.03
10	.18	.18	.27	.42	.59	.75	.95	1.14
11	.19	.19	.29	.45	.64	.82	1.04	1.25
12	.21	.21	.31	.49	.70	.89	1.13	1.36
13	.22	.22	.33	.52	.75	.96	1.22	1.47
14	.23	.23	.35	.56	.80	1.03	1.31	1.58
15	.24	.24	.37	.59	.86	1.10	1.40	1.69
16	.25	.25	.39	.63	.91	1.17	1.49	1.80
17	.26	.26	.41	.66	.96	1.24	1.58	1.91
18	.27	.27	.43	.70	1.02	1.31	1.67	2.02
19	.28	.28	.45	.73	1.07	1.38	1.76	2.13
20	.29	.29	.47	.77	1.12	1.45	1.85	2.24
For Each Added lb. Add	1c	1c	2c	3½c	5c	7c	9c	11c

## EXPRESS CHARGES

Express charges are also determined by the weight of the shipment and distance of the consignee from shipper. The following chart enables you to estimate charges.

Maximum Distance in miles	50 Mi.	150 Mi.	300 Mi.	500 Mi.	750 Mi.	1000 Mi.	1500 Mi.	2000 Mi.
cost up to 5 lbs.	\$0.25	\$0.25	\$0.25	\$0.30	\$0.35	\$0.45	\$0.50	\$0.72
" " 10 lbs.	.30	.30	.31	.40	.50	.65	.70	1.34
" " 15 lbs.	.30	.34	.41	.51	.67	.73	1.00	1.96
" " 20 lbs.	.30	.42	.51	.64	.85	.94	1.30	2.57
" " 25 lbs.	.35	.50	.61	.78	1.04	1.15	1.60	3.19
" " 35 lbs.	.45	.66	.82	1.05	1.41	1.57	2.20	4.42
" " 45 lbs.	.55	.82	1.02	1.34	1.79	1.99	2.80	5.66
" " 55 lbs.	.65	.98	1.23	1.59	2.16	2.40	3.40	6.89
" " 75 lbs.	.85	1.30	1.63	2.13	2.91	3.24	4.60	9.36
" " 95 lbs.	.99	1.60	2.04	2.67	3.66	4.08	5.80	11.83
For Ea. 100 lbs.	.99	1.60	2.04	2.70	3.74	4.18	6.00	12.34

### INSURANCE

Parcel post insurance rates are: 5c for parcels up to \$5.00; 10c for parcels from \$5.01 to \$25.00; 15c for parcels from \$25.01 to \$50.00; 25c for parcels from \$50.01 to \$100.00. After \$100.00 the charge for each additional \$50.00 is 5c extra. ALL PARCELS WE SHIP MUST BE INSURED.

Express insurance rates are: for shipments under \$50.00, no extra insurance charge; for shipments valued from \$50.01 to \$150.01 charge is 10c. For each additional \$100.00 value or portion thereof, charge is 10c.

### EXPRESS & FREIGHT SHIPMENTS

Express and freight shipments are sent transportation charges collect. If your station has no agent, please send sufficient money to cover transportation. Charges are the same either way. All over-payments are promptly refunded.

### C.O.D. SHIPMENTS

Transportation charges on C.O.D. parcels are slightly higher than those sent prepaid. C.O.D. charges in addition to the regular postage costs outlined above are as follows (including insurance): When value of parcel is up to \$5.00 the extra charge is 12c; \$5.01 to \$25.00 the extra charge is 17c; \$25.01 to \$50.00 the extra charge is 22c; \$50.01 to \$100.00 the extra charge is 32c; \$100.01 to \$150.00 the extra charge is 40c; \$150.01 to \$200.00 the extra charge is 45c. For each \$50.00 value above \$200.00 the charge is 5c more (including insurance). The Post Office also charges an extra small money order fee on each C.O.D. parcel. Save these fees by remitting in full.

**NOTE:** Equipment built or ordered especially to meet customers requirements not subject to exchange, credit or refund. All orders for special merchandise must be accompanied by a deposit.

# hallicrafters

COMMUNICATIONS-EQUIPMENT



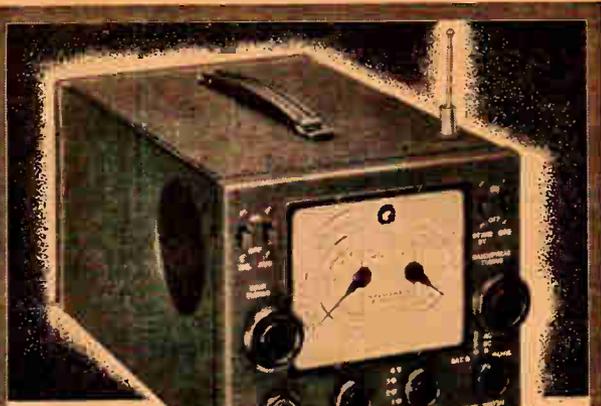
## Model S-22R SKYRIDER MARINE

While designed particularly for marine use in the 600 and 700 meter bands, this receiver is capable of covering a complete tuning range from 16.7 to 2730 meters (110 kc to 18 mc) thus making it ideal for any commercial or other service requiring a receiver operating within this range. The complete range is covered in four bands with an accurately calibrated main tuning dial having a scale length of 339° and a separate mechanical band spread dial. Both sensitivity and selectivity are of a high order. Image rejection at the higher frequencies is particularly good due to the use of 1600 kc i.f. transformers.

Other features include: beat frequency oscillator, matched built-in speaker, automatic volume control, individual coils for each band, sensitivity and gain controls, pitch control, tone control, send-receive switch and phone jack. The receiver is designed for operation from either 110 volts a.c. or d.c. Can be operated from 6-volt d.c. storage battery by using converter listed below. The complete receiver is housed in an attractively finished steel cabinet measuring 18½x9¼x8½".

**C21078**—Model S-22R SKYRIDER MARINE for 110 V. a.c. or d.c. With tubes and speaker. Shpg. wt. 35 lbs. **\$74.50**

**Your Cost**.....  
**C14225**—ELECTRONIC Converter Model 302 for 6-volt battery operation of Skyrider Marine. Shpg. wt. 11 lbs. **\$19.40**  
**Your Cost**.....



## Portable Model S-29

## SKY TRAVELER

The most sensational portable ever designed! Not just a midget stuck into a carrying case, but a precision-built communications receiver in portable form. All the selectivity, sensitivity and stability you would expect only from the finest fixed station sets is yours in this new receiver that is truly universal. It will operate on either 110 volts a.c. or d.c. or from its self-contained batteries (approximate battery life 100 hrs.). It has a self-contained collapsible antenna which can be extended to nearly 3 feet. It covers four complete bands—542-1490 kc, 1.43-4.35 mc, 4.12-11.9 mc and 11.26-30.5 mc. Employs an r.f. stage on all bands. Incorporates an automatic noise limiter, electrical bandspread, high gain antenna coupling circuit, permeability tuned r.f. and i.f. circuits, neon lamp indicator, etc.

The average sensitivity is below two microvolts on all bands. Tube lineup: 1T4 r.f. amp., 1R5 mixer, 1P5GT 1st i.f., 1P5GT 2nd i.f., 1H5GT 2nd det.-a.v.c. 1st audio, 3Q5GT output amplifier, 1G4GT beat oscillator, 1G4GT noise limiter and 50Y6GT rectifier. Controls include: main tuning—band spread—R.F. gain—A.F. gain—band switch—power switch—a.v.c. "off-on" switch—BFO "off-on" switch—ANL "off-on" switch—send-receive—standby switch. Connectors: doublet antenna socket—long antenna socket—phone jack. Dimensions: 7" high, 8½" wide and 13¼" deep. All operating controls on front panel. Net weight including all batteries is 18 lbs. Shpg. wt. 23 lbs.

**C21084**—Model S-29 Sky Traveler. **\$69.50**  
**Your Cost, Complete with Batteries**.....



## Model S-20R SKY CHAMPION

The new improved model of this famous communications receiver now employs nine tubes and incorporates many new and valuable features. Covering the complete range from 545 kc to 44 mc in four bands it employs a stage of pre-selection on each band for added sensitivity and selectivity. It performs like a thoroughbred and is instantly responsive to each control. Among the controls provided are: r.f. gain or "sensitivity", audio gain or "volume", tone control, automatic volume control switch, beat frequency oscillator switch with its attendant "pitch" control, band switch, main tuning control and separate band spread control, "off-on" switch and "stand-by" or "send-receive" switch. Among the circuit features you will find: electrical band spread, automatic noise limiter, two i.f. stages, drift compensated high frequency oscillator, r.f. amplifier, etc. While the receiver is designed for 110 volts 50/60 cycles a.c. operation a plug and jack is provided to permit operation from batteries or vibrapack.

The tube lineup: 6SK7 R.F. Amplifier, 6K8 1st Detector-Mixer H.F. Oscillator, 6SK7 1st I.F. Amplifier, 6SK7 2nd I.F. Amplifier, 6SQ7 2nd Detector, A.V.C. 1st Audio, 6F6G 2nd Audio, 6H6 Noise Limiter, 6J5GT B.F.O. and 80 rectifier. A matched built-in speaker and inertia type tuning controls further add to the completeness of this excellent receiver. It is housed in an extremely attractive steel cabinet measuring 18½x9¼x8½". Shpg. wt. 34 lbs.

**C21093**—Model S-20R SKY CHAMPION complete with tubes and built-in speaker. **\$54.50**  
**Your Cost**.....



## Model SX-25 SUPER DEFIANT

One of the finest values that Hallicrafter has ever offered in the communications field! It has so many outstanding features that we hardly know where to begin. Most unusual in a receiver at this price are perhaps its extreme selectivity and its more and better audio amplification. Then there is the automatic noise limiter, the separate calibrated band spread dial for the 10, 20, 40 and 80 meter bands, the compensated ultra-stable oscillator, the six-step variable selectivity control, the "S" meter, the 8-watt push-pull output stage, the laboratory checked piezo quartz crystal filter. Four tuning bands cover the complete range from 540 kc to 42 mc. The tube lineup: 6SK7 1st r.f. amp.; 6SK7 2nd r.f. amp.; 6K8 1st detector-mixer-h.f. oscillator; 6SK7 1st i.f. amp.; 6SK7 2nd i.f. amp.; 6SQ7 2nd det.-AVC 1st audio amp.; 6SQ7 phase inverter; 2-6F6 p.p. output stage; 6H6 automatic noise limiter; 6J5GT beat frequency oscillator and 80 rectifier. Send-receive terminals, headphone jack, 5000 ohms or 500 ohm output, posts for single wire or doublet antenna are provided. Both i.f. stages are expanded in the "Broad IF" position for high fidelity performance. The automatic volume control circuit keeps most signals at a uniform level. The automatic noise limiter reduces interference by as much as 70%. The extremely low noise level of the Super Defiant makes it sensitive to very weak signals. Cabinet dimen.: 19½" long, 9½" high and 11¼" deep. For 110 V. 50/60 cycle a.c. operation. A socket is provided for d.c. operation from either batteries or a vibrapack. Shpg. wt. 67 lbs.

**C21240**—Model SX-25 complete with tubes, crystal; less speaker. **\$94.50**  
**Your Cost**.....

**C21193**—10" PM Speaker in Table Model Cabinet. Shpg. wt. 17 lbs. **\$15.00**  
**Your Cost**.....



## HALLICRAFTERS SX-28 Super Skyrider

One of the finest communications receivers made. 15-Tube superhet covers from 550 kc to 42 mc in six bands. Each control performs a definite function that contributes to the outstanding reception capabilities of the unit, and all the controls are conveniently arranged for effortless tuning.

The I.F. amplifier has been designed for permanency of adjustment under conditions of extreme changes in temperature and humidity as well as unusual mechanical vibration. Incorporates variable A.N.L. control.

**Circuit features include:** 2 r.f. stages, push-pull high fidelity audio, 6-step wide range selectivity, band pass audio filter, wide angle "S" meter, phono jack, adequate headphone output, improved signal to noise ratio, 80/40 20/10 meter amateur bands calibrated, temperature compensated h.f. oscillator. The chassis is of No. 14 gauge steel cadmium plated. The 8 3/4 x 19" rack type panel is of 1/8" thick steel with etched control markings and finished in Morocco. Cabinet dim.: 20 1/2 x 14 1/2 x 9 1/2" deep. Cabinet is finished in machine tool gray wrinkle.

**C21083—Model SX-28** with crystal and tubes but less speaker. Shpg. wt. 90 lbs. For 110 volts 50/60 cycles a.c. operation. **\$179.50**

**YOUR COST** ..... \$15.00  
 10" PM Speaker in Table Model Cabinet. Shpg. wt. 17 lbs.  
**C21193—YOUR COST** .....



## ECHOPHONE Model EC-1

A 6-tube, 3-Band genuine communications receiver for A.C.-D.C. use. Incorporates the following features: Three band coverage from 550 kc to 30.5 mc (550 to 9.85 meters); Electrical band spread on all bands; Beat Frequency Oscillator; Self Contained Speaker; A.F. Gain Control; Stand-by Switch; A.V.C. "on-off" switch. Tube complement: 12K8 converter, 12SK7 i.f. amplifier, 12SQ7 detector, A.V.C., first audio. 35L6GT power output, 12J5 Beat Frequency Oscillator and a 35Z5 rectifier. The large dial is calibrated in megacycles with all important service bands indicated. Panel controls include: Main Tuning, Bandspread, Bandswitch AF Gain Control, Standby Switch, Speaker-Headphone Switch, Combined BFO-AVC ON-OFF Switch. Incorporates features which assure the type of reception usually found only in expensive receivers. Housed in an attractively finished gray crinkle lacquer metal cabinet. Speaker is mounted in cabinet with opening at top. Size: 7 1/2 x 10 7/8 x 7 3/8". Shpg. wt. 14 lbs.

**C21332—Complete with tubes. \$24.50**  
**YOUR COST** .....

# Communications Receivers



## NATIONAL Model NC-200-TG

Uses a 12-tube superhet circuit that is inherently stable with all components operated well below their normal ratings insuring long life and trouble-free operation. Tubes used: 6SK7 r.f. preselector; 6K8 1st det.; 6J5 h.f. oscillator; 6K7 1st i.f.; 6SK7 2nd i.f.; 6C8G 2nd detector; 6SJ7 AVC; 6SJ7 BFO; 6F8G phase inverter; 2-6U6G push-pull audio and 5Y3G rectifier. Outstanding feature is the new tuning and band-switching arrangement having TEN accurately calibrated ranges each with its individual dial scale. Six ranges cover 490 kc to 30 mc continuously, including the 500 kc marine frequencies. 4 band-spread ranges for the 10, 20, 40 and 80 meter amateur bands are spread out over the major portion of the scale. Range indicator system as part of the dial indicates band in use. Same knob used for tuning and band selection. Utilizes new crystal filter, has selectivity adjustable in 6 steps. Phasing circuit provides rejection ratios as high as 10,000 to 1. Calibrated signal strength meter. Special socket and plug for emergency or portable battery operation. In metal cabinet, 19 1/4 x 10 1/2 x 12 1/4" with speaker in matching cabinet, 15 1/2 x 10 1/2 x 9 3/4". With all tubes and crystal filter. Wt. 107 lbs. Less speaker.

**C21260—NC-200-TG.** Complete with all tubes, and built-in crystal filter. **\$159.50**

**YOUR COST** .....  
**C21339—NC-215—10" Speaker in cabinet.** **\$15.00**  
**YOUR COST** .....



## HAMMARLUND "SUPER-PRO"

This 18-tube professional type receiver is designed for commercial services where peak performance and unlimited flexibility are paramount. Every feature for improved performance has been built into the "Super-Pro". Ideal for commercial or military service where exceptional performance is demanded. Full range selectivity from 100 cycles to approximately 16 kc permits maximum use of the extreme sensitivity of set. The crystal filter has five ranges of selectivity varying from "single signal" to 2 1/2 kc for phone reception. Overall I.F. selectivity is variable from 3 to 16 kc by mechanically changing coupling in the I.F. transformers. Features two stages of tuned r.f.; variable selectivity crystal filter; noise limiter; "S" meter; full electrical band spread; BFO; 3-stage audio. Available in two A.C. In black wrinkle finish metal cabinet, 21 1/2 x 15 1/4 x 12 1/4".

**C21041—Model SP-210-X.** For 110 volts, 60 cycles power supply, 10" dynamic speaker and crystal. Shpg. wt. 115 lbs. **\$318.00**

**YOUR COST** .....  
**C21043—Model SPR-210-X.** Same as above, but for rack mounting. With dust cover. **\$328.50**

**C21045—Model SP-210-SX.** For 7.5-240 meters. With tubes, power supply, 10" dynamic speaker, crystal. **\$328.50**

**YOUR COST** .....  
**C21047—Model SPR-210-SX.** As above, but for rack mounting, with dust cover. **\$318.00**

**YOUR COST** .....  
**\$328.50**

# Lafayette **35** WATT Amplifier



## The Amplifier to Satisfy All Moderate Power P.A. Requirements

★ Four Input Channels—Three Microphone and One Phono

★ New Triple Range Electronic Compensator—Bass, Treble, Intermediate

Now, more than ever before, industry and the Armed Forces require an amplifier which will deliver under the most severe conditions—and continue to stand up. Wherever the need may be, in industry, on the home front, or at the war front, a Lafayette amplifier will take the punishment and do the job—for the greatest length of time.

This Lafayette 35 watt DeLux All-Purpose Amplifier is the perfect solution to your moderate-power public address and sound projection problems. Combining every desirable feature of advanced sound engineering with many new and worthwhile Lafayette developments, feature for feature it is far ahead of the field. Ideal for use in factory, office, warehouse, barracks, or arsenal—for paging, music to boost morale, air raid warnings, and many other uses. Only one of its many outstanding features is the Triple Range Electronic Tone Compensator, offering complete and instant control of three tonal ranges—bass, treble, and intermediate register, each governed by a separate electronic audio channel. The unique dual control system permits the operator to boost or attenuate the high or low frequencies to insure excellent tone and clarity, regardless of the acoustical qualities of the installation location. Completely different from conventional bass and treble equalizer circuits, inducing none of their power loss and distortion.

Four input channels are provided for three high impedance microphones and one high impedance phonograph pickup. Any high impedance crystal, dynamic or velocity microphone may be used.

Full-range electronic mixing is accomplished between all of the microphone inputs and the phono input. Each microphone channel has an individual preamplifier tube, which prevents interaction between input controls when mixing. In the Model

EL35 Lafayette amplifier, one of the microphone inputs is of the low impedance type, for uses where extremely long microphone lines are required. Taps are provided to supply input impedance of 50, 200, or 500 ohms. The remaining two microphone inputs and the phono input are high impedance type, and both low and high impedance inputs may be mixed as in the EX35. A new built-in electronic remote control circuit permits mixing and full-range volume control of any two inputs from a remote point. The SRC50 remote control unit is sold as an accessory and need not be purchased when it is not desired to operate the amplifier from a remote point.

Output impedances of 4, 8, 15, 250 and 500 ohms are brought out to a terminal strip and two speaker sockets. Output impedances at the speaker sockets may be instantly changed by means of a lead which is connected to the desired impedance on the terminal strip. This insures correct and ready matching for any number of speakers. Designed primarily for use with PM speakers or driver units, but speakers with AC field exciters may also be used. The AC line is brought out to two pins on the speaker socket for convenience in using this type of speaker.

Amplifier is housed in a sturdy, handsome metal cabinet with an illuminated sloping control panel.

A complete line of microphones is listed on pages 16, 17 and 18, speakers, wall baffles and trumpets on pages 20, 21 and 22.

**Model EX35—Lafayette 35 watt Amplifier** with high impedance inputs and all features as described above, complete with tubes and input and output plugs, but less microphone and speakers. Size 16 1/2" x 8 1/2" x 10 1/4". Shpg. wt. 45 lbs. **\$82.03**  
Your Cost.....

## TECHNICAL SPECIFICATIONS

**POWER OUTPUT:** 35 watts normal. (Less than 5% distortion); 50 watts peak.

**GAIN:** Microphone inputs 130 db; Phono input 90 db.

**FREQUENCY RESPONSE:** 30 to 14,000 cycles plus or minus 1 db. Tone compensator range; Bass Control—15db. to +13 db. at 30 cycles; Treble Control—15 db. to +8 db. at 10,000 cycles.

**INPUT CIRCUITS:** Four input channels—3 microphone inputs and 1 phono input—May be mixed simultaneously.

**INPUT IMPEDANCES:** All microphone and phono inputs high impedance. Model EL35 has one low impedance input of 50, 200 or 500 ohms and 2 high impedance microphone and 1 high impedance phono inputs.

**OUTPUT IMPEDANCES:** 4, 8, 15, 250 or 500 ohms, available at terminal strip or two speaker sockets.

**REMOTE CONTROL PROVISION:** Built-in—provides complete mixing and fading any 2 of the 4 available inputs from remote point.

**CONTROL PANEL:** Illuminated, with three microphone controls, one phono control, 2 electronic tone corrector controls and AC power switch.

**TUBES:** 3-7B4, 2-7F7, 1-7B4, 1-7C7, 1-6F6, 2-6L6G, 1-5W4, 1-5X4.

**POWER CONSUMPTION:** 190-watts. 117 volts, 50-60 cycles A.C.

**Remote Control Model SRC50—Remote control for use with either of the amplifiers listed. Complete with 50 ft. of cable and plugs. Shpg. wt. 10 lbs. Your Cost. \$6.47**

**Model EL35—Lafayette 35 watt Amplifier** similar to EX35 but with one low impedance and two high impedance microphone inputs, and phono input. Low impedance microphone input adjustable for 50, 200 or 500 ohms. **\$95.99**  
Your Cost.....

For additional amplifiers and accessory equipment see pages 10 to 22.