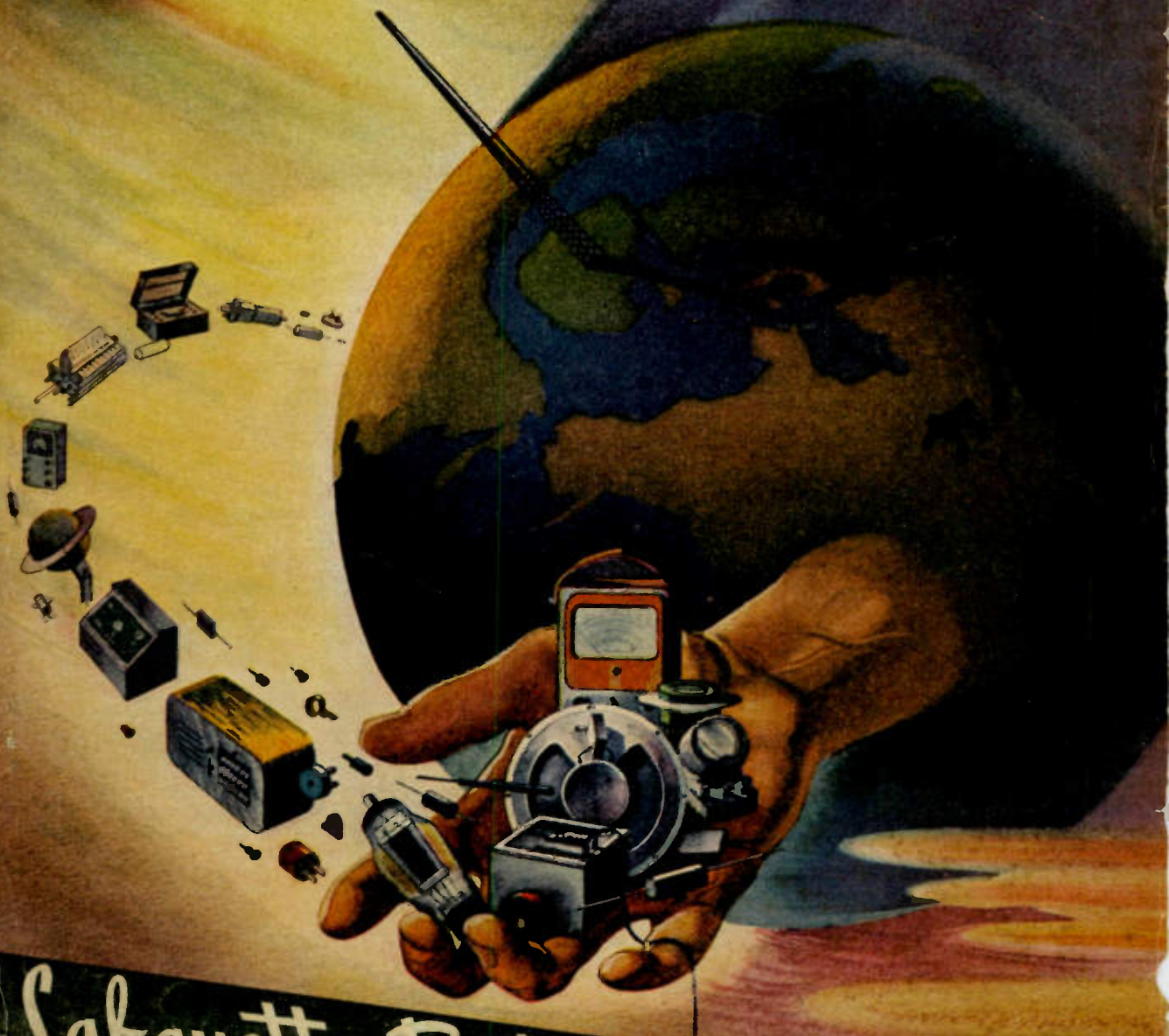


RADIO AND ELECTRONIC EQUIPMENT



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!

LAFAYETTE RADIO CORP. maintains two complete organizations strategically located in Chicago and Atlanta. Difficult as it is to maintain our motto of "Same-Day-Delivery" in these times, we still manage to live up to it in the vast majority of cases. Both Chicago and Atlanta are equipped with Teletype service for your greater convenience; call CG 320 for Chicago, AT 398 for Atlanta.

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. Our Special Schools Division has been expanded and enlarged to provide consultation service to schools and colleges on radio training and engineering programs. Lafayette's Special Training Kits are meeting with ever-widening demand. Brochures describing our kits, for use in educational programs, available on request.

Lafayette Radio Corp.

Save Time . . . Save Trouble . . . Save Expense
Depend upon Lafayette Radio Corporation
to See You Through

IMPORTANT NOTICE!

Lafayette Radio Corp plans for the postwar electronic era call for many new and startling developments and innovations. Reserve your copy now of the Lafayette postwar catalog . . . to be issued as rapidly as conditions permit.

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 ★ 265 Peachtree St.
Teletype CG320 Phone Walnut 5140
ATLANTA 3 Teletype AT398



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.

TYPE	NET PRICES	
	RCA	LAF.
01A	\$0.50	\$0.31
0A4G	.95	.....
0Z4†	.91	.....
0Z4G	.91	.71
1A3	.73	.71
1A4P	.91	.71
1A5GT/G	.62	.48
1A6	.73	.56
1A7G	.91	.71
1A7GT/G	.73	.56
1B4P	.73	.56
1B5/25S	.73	.56
1B7GT	.73	.....
1C5GT/G	.73	.56
1C6	.73	.56
1C7G	.73	.56
1D5GP	.73	.56
1D5GT	.73	.....
1D7G	.91	.71
1D8GT	1.12	.88
1E4G	.....	.63
1E5GP	.91	.74
1E7G	1.35	1.06
1F4	.73	.56
1F5G	.73	.56
1F6	.91	.71
1F7GV	.91	.71
1G4GT/G	.62	.56
1G5G	.73	.56
1G6GT/G	.91	.71
1H4G	.56	.43
1H5G	.73	.....
1H5GT/G	.62	.48
1H6G	.73	.56
1J5G	1.12	.88
1J6G	.73	.56
1L4	.73	.....
1LA4	1.35	1.06
1LA6	1.35	1.06
1LB4	1.35	.....
1LC5	.....	1.17
1LC6	.....	1.17
1LD5	.....	1.17
1LE3	.....	.88
1LH4	1.35	1.06
1LN5	1.35	1.06
1N5G	.91	.71
1N5GT/G	.73	.56
1N6G	.73	.56
1P5GT	.91	.71
1Q5GT/G	.91	.71
1R5	.91	.71
1SA6GT	.....	.83
1SB6GT	.....	.83
1S4	.91	.71
1S5	.91	.71
1T4	.91	.71
1T5GT	.91	.71
1V	.56	.43
2A3	1.12	.88
2A4G	1.30	1.17
2A5	.56	.43

TYPE	NET PRICES	
	RCA	LAF.
2A6	\$0.56	\$0.43
2A7	.62	.48
2B7	.73	.56
2E5	.73	.66
3A8GT	1.35	1.06
3B5GT	.....	.83
3Q4	.91	.83
3Q5GT/G	.91	.71
3S4	.91	.71
5T4†	1.12	.....
5U4G	.56	.43
5V4G	.91	.71
5W4†	.62	.....
5W4GT/G	.50	.40
5X4G	.62	.48
5Y3GT/G	.38	.30
5Y4G	.41	.31
5Z3	.62	.48
5Z4†	.73	.....
6A3	1.12	.88
6A4/LA	.91	.71
6A5G	1.65	1.12
6A6	.91	.71
6A7	.56	.43
6A7S	1.35	.....
6A8†	.73	.....
6A8G	.56	.43
6A8GT	.56	.43
6AB5/6N5	.91	.71
6AB7/1853†	.91	.....
6AC5GT/G	.62	.48
6AC7/1852†	1.12	1.06
6AD6G	.91	.71
6AD7G	.91	.83
6AE5GT/G	.73	.56
6AE6G	.73	.56
6AE7GT	.73	.56
6AF6G	.91	.71
6AG5	1.35	.....
6AG7†	1.35	.....
6B4G	1.12	.88
6B5	1.12	.88
6B6G	.62	.....
6B7	.73	.56
6B7S	1.35	.....
6B8†	1.12	.....
6B8G	.73	.56
6B8GT	.....	.56
6C5†	.62	.....
6C5G	.56	.43
6C5GT/G	.56	.43
6C6	.56	.43
6C7	1.35	1.06
6C8G	.91	.71
6D6	.56	.43
6D7	1.35	.....
6D8G	.91	.71
6E5	.62	.48
6E6	1.12	.88
6E7	1.35	1.06
6F5†	.62	.....
6F5G	.62	.48

TYPE	NET PRICES	
	RCA	LAF.
6F5GT/G	\$0.56	\$0.43
6F6†	.62	.....
6F6G	.50	.38
6F7	.91	.71
6F8G	.73	.56
6G6G	.73	.56
6H4GT	1.12	.79
6H6†	.62	.....
6H6GT/G	.62	.48
6J5†	.50	.....
6J5GT/G	.50	.38
6J7†	.73	.....
6J7G	.62	.48
6J7GT	.62	.48
6J8G	.91	.71
6K5G	.62	.48
6K5GT/G	.62	.....
6K6GT/G	.56	.43
6K7†	.62	.....
6K7G	.62	.48
6K7GT	.56	.43
6K8†	.73	.....
6K8G	.73	.56
6K8GT	.73	.56
6L5G	.62	.48
6L6†	1.12	.....
6L6G	1.12	.88
6L7†	.91	.....
6L7G	.91	.71
6N6G	1.35	1.06

TYPE	NET PRICES	
	RCA	LAF.
6N7†	\$0.91	.....
6N7G	.91	\$0.71
6N7GT/G	.91	.....
6P5GT/G	.44	.33
6P7G	1.35	1.06
6Q7†	.73	.....
6Q7G	.50	.38
6Q7GT	.50	.38
6R7†	.91	.....
6R7G	.62	.48
6R7GT/G	.50	.38
6S7†	.91	.....
6S7G	.91	.71
6SA7†	.56	.....
6SA7GT/G	.62	.48
6SC7†	.73	.....
6SC7GT	.....	.59
6SD7GT	.73	.59
6SF5†	.56	.....
6SF5GT	.56	.43
6SF7†	.73	.....
6SF7GT	.....	.59
6SG7†	.73	.....
6SG7GT	.....	.59
6SH7	.73	.....
6SH7GT	.....	.88
6SJ7†	.62	.....
6SJ7GT	.62	.48
6SK7†	.56	.....
6SK7GT/G	.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 ¹	6B6	6Q7, 6SQ7 ¹ , 75 ²
1A4	1B4, 1D5 ² , 1E5 ² , 34	6C5	6J5, 6L5, 70 ³
1A5	1T5 ² , 1LA4 ²	6C6	6J7 ² , 6SJ7 ² , 6U7 ² , 77
1A6	1D7 ² , 1C6 ²	6C8	6F8, 7N7 ²
1A7	1B7, 1LC6 ²	6D6	6K7 ² , 6SG7 ² , 6SK7 ² , 78
1B7	1A7 ² 28 ohms	6E7	6D9 ² , 6SG7 ² , 6U7 ² , 78 ²
1C5	1Q5	6F6	6K6, 42 ²
1D5	1E5, 34 ²	6H6	7A0 ^{2,4} 42-50 ohms
1E4	1G4, 1LE3 ²	6K7	6M7, 6R7 ¹ , 6S7 ¹ 42-50 ohms, 39/44 ²
1H4	30 ²	6L6	6V6
1H5	1LH4 ²	6N7	6A6 ² , 6Y7, 70 ²
1LC5	1LN5, 1P5 ² , 1N5 ²	6Q7	6SQ7 ¹ , 7C7 ² , 75 ²
1N5	1E5 ² , 1LN5 ² , 1P5	6SA7	6A7 ² , 6A8 ¹ , 6D8 ⁴ 42-50 ohms
2A3	45		
2A4	205 ¹	6SC†	7F7 ²
2X2	879	6SK†	6K7 ¹ , 6SG7 ¹ , 6SS7 ¹ 42-50 ohms, 78 ²
5T4	5U4, 5X4 ¹ , 33 ²		
5U4	5Z3 ² , 5X4 ¹	6W5	6X5 ⁴ 15-20 ohms
5Y3	5Y4 ¹ , 5Z4 ¹ , 90 ²	6W6	6Y6
5Y4	5Y3 ¹ , 5Z4 ¹ , 90 ²	6Z3	1V
6A3	6B4 ²	7A4	6C5 ² , 6J5 ² , 76 ²
6A5	6N6 ²	7A7	7H7, 7B7 ⁴ 42-50 ohms, 78 ²
6A6	6N7 ² , 6Y7 ² , 70 ²	7B4	6F5 ² , 6K5 ²
6A7	6A8 ² , 6SA7 ² , 6D8 ^{2,4} 42-50 ohms, 7B8 ²	7B5	6K6 ²
6A8	6A7 ² , 6SA7 ¹ , 6D8 ³ 42-50 ohms, 7B8 ²	7B6	6Q7 ² , 6SQ7 ² , 75 ²
		7B8	7A8 ⁴ 42-50 ohms

† 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			NET PRICES			NET PRICES			NET PRICES		
TYPE	RCA	LAF.	TYPE	RCA	LAF.	TYPE	RCA	LAF.	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	12B7/1A7	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 ² , 6V6 ²	37	76
7C6	6T7 ²	38	6K6 ²
7E6	6R7 ² , 6SR7 ²	40Z5, 45Z5	35Z5*67 ohms
7E7	6B7 ² , 6B5 ²	41	6K6 ²
7F7	6SC7 ²	42	6K6 ² , 41 ² 21 ohms
7G7/1232	7V7	43	25A6 ² , 25C6 ² , 25L6 ²
7J7	6K8 ² , 6I9 ²	44	39/44, 6K7 ²
7H7	7L7, 6SD7 ²	45	2A5 ²
7Q7	6A7 ² , 6A8 ² , 6SA7 ²	50A5	50C6 ² , 50L6 ²
7Y4	6X5 ²	50L6	50A5 ² , 50C6, 35L6 ² 100 ohms
12A8	12SA7 ¹ , 6D8 ² 42-50 ohms	50Z7	50Y6 ¹ (omit pilot lamp)
12B7	14A7/12B7	51	35/51
12J7	12SJ7 ¹ , 12SG7 ¹	56	27
12K7	12SJ7 ¹ , 12SK7 ¹ , 12SG7 ¹ , 14A7/12B7 ²	59	2A5 ²
12Q7	12SQ7 ¹ , 12SR7 ¹	70A7	70L7 ¹ (omit pilot lamp)
12SA7	12A8 ¹ , 14Q7 ² , 6D8 ^{1,2} 42-50 ohms	75	6Q7 ² , 6SQ7 ²
12SG7	12K7 ¹ , 12SK7 ¹ , 14A7/12B7 ²	76	37
12SJ7	14C7 ²	77	6C6, 6J7 ² , 6SJ7 ²
12SK7	12SJ7, 12SG7 ¹	78	6D6, 6K7 ² , 39/44 ²
12SQ7	12Q7 ¹ , 12SR7 ¹	79	6A6 ² , 6N7 ² , 6Y7 ²
25A6	25L6, 43 ² , 25C6	80	5Y3 ² , 5Y4 ²
25L6	25A6	83	5U4 ² , 5T4 ² , 5V4 ²
25Y5	25Z5, 25Z6 ²	84	84/6Z4
27	56, 485	85	6V7 ² , 6R7 ²
35	35/51	89	7B5 ² , 38 ² , 63 ohms, 41 ²
35L6	6C6 ² 300 ohms 10 Watts, 50L6	95	2A5, 47 ²
35Z3	35Y4 ² , 35Z4 ²	117L7	117L7/M7
		117N7	117L7/M7 ¹
		117P7	117L7/M7 ¹

†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.	510.00
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	Pentode	13 W.	3.50
803	Pentode	125 W.	25.00
805	Triode	125 W.	13.50
806	Triode	1000 W.	22.00
807	Tetrode	30 W.	2.25
809	Triode	30 W.	2.50
810	Triode	150 W.	13.50
811	Triode	55 W.	3.50
812	Triode	55 W.	3.50
813	Tetrode	100 W.	22.00
814	Tetrode	65 W.	17.50
815	Triode	25 W.	4.50
829A	Dbl. Tetrode	40 W.	19.50
833A	Triode	300 W.	76.50
835	Triode	100 W.	15.00
836	Diode	.....	11.50
837	Pentode	12 W.	2.80
838	Triode	100 W.	11.00
843	Triode	15 W.	2.90
845	Triode	75 W.	10.00
860	Tetrode	100 W.	32.50
866A	Rectifier	.....	1.50
866	Rectifier	.....	9.00
872	Rectifier	.....	11.00
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	53.50
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	57.25
FA-15	SPDT	8	6.25

Cold-Cathode Glow Tubes

G-E Type	Max. DC V.	Max. Ma.	Net Each
75-30	75	30	51.25
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, Plotron, 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
884	Triode	6.3	2.00
885	Triode	2.5	2.00
2AP1	Cath. Ray	6.3	6.25
3PA1/	.....	.....	.....
906P1	Cath. Ray	2.5	13.50
3AP4/	.....	.....	.....
906P4	Cath. Ray	2.5	18.25
5AP4/	.....	.....	.....
1805P4	Cath. Ray	6.3	27.50
5BP1/	.....	.....	.....
1802P1	Cath. Ray	6.3	24.75
5BP4/	.....	.....	.....
1802P4	Cath. Ray	6.3	27.50
7AP4	Cath. Ray	2.5	36.00
9AP4/	.....	.....	.....
1804P4	Cath. Ray	2.5	62.60
12AP4/	.....	.....	.....
1803P4	Cath. Ray	2.5	75.00
917	Phototube	.....	3.40
918	Phototube	.....	2.30
919	Phototube	.....	3.35
920	Phototube	.....	2.70
921	Phototube	.....	2.00
922	Phototube	.....	2.00
924	Phototube	.....	2.00
925	Phototube	.....	2.00
926	Phototube	.....	3.00
927	Phototube	.....	3.70
928	Phototube	.....	2.00
931	Phototube	.....	12.00
954	Pentode	6.3	4.50
955	Triode	6.3	3.00
956	Pentode	6.3	4.50
957	Triode	1.25	3.00
958	Triode	1.25	3.00
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	Pentagrid	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

Plotrons

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	23.4	\$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	872	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)	1.35
6AB7/1853	Amplifier Pentode (Single End)	1.12
6AG7	Video Beam Power Amplifier	1.35

PHOTOTUBES

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. Rb. 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
864	Amplifier Triode (low microphonic design)	1.1	\$1.00
954	Detector, Amplifier Pentode (Acorn Type)	6.3	4.50
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, O, A	2.50	850	100	S, R	37.50
802	13*	P. R., A	3.50	852	100	T, R	16.40
803	125	P. R.	25.00	860	100	S, R	21.50
804	50*	P. R.	15.00	865	15	S, R	7.95
805	125	T. R.	13.50	1602	15	T, A	2.75
806	225*	T. R., C, C, O	22.00	1608	25*	T, R, O, C	4.00
807	30*	B, R.	2.25	1610	6	P, O	2.00
808	50	R. T., C, C, O	7.75	1613	10	R, P, O	1.55
809	30*	T. R., C, C, R	2.50	1614	21	B, R.	3.50
810	150*	T. C., C, R	13.50	1619	15	B, R, A, C, O	4.75
811	55*	T. C., R	3.50	1623	30*	R, C, T, O	2.50
812	55*	T. C., R	3.50	1624	25	B, A, R	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	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	B, R.	19.50	1633	2.5	T, A	1.50
830B	60	T, C., 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	76.50	8001	75	B, R	27.50
834	50	R, O, T, O	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	49	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
2X3 C79	H. W. Hi-Vac. Rec.	1.05	2050 Gas Tetrode	1.90
2V27	H. W. Hi-Vac. Rec.	1.30	2051 Gas Tetrode	1.95

HYTRON TUBES



Type No.	Purpose	Fil. Volts	Plate Volts	Plate Ma.	C.C.S.°	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	Triodes	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.	\$1.75
HY115 HY145	High gain non-microphonic pentode.	\$2.50
HY125 HY155	Power output A.F. pentode.	\$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	Watts No.	Power Out. Watts	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
T-40Z	40	Zero Bias Triode. For R.F. and Class "B" AF.	3.50
T-20	20	Gen. Purpose Triode. Metal Plate.	2.25
T-20Z	20	Zero Bias Triode. Metal Plate.	2.25
T-55	55	Improved model. Max. freq. 120 MC.	1.95
T-21	21	Superior Low-Power Beam Amplifier.	13.50
T-125	125	Top plate and side grid caps. Accelerating fins.	21.50
T-200	200	Similar to T-125. Super carbon anode (2½x1½").	8.00
T-203-Z	65	Zero Bias. Metal plate. Class "B" Audio.	18.50
822	200	Class "B" Audio. Carbon Anode.	1.50
866A/866		Half-Wave Mercury Vapor Rectifier.	1.00
866-Jr.		Lighter duty version of above.	1.00
249-B		Heavy duty M.V. Half-Wave rectifier.	5.00

EXPERT EXPEDITING ON GOVERNMENT AND INDUSTRIAL ORDERS

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

No.	Ohms	Ohms	Your Cost
C5334	160	24	55¢
C5335	180	25	
C5336	200	40	
C5337	200	25	
C5338	200	40	
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 phone-oscillator, inter-communicators, etc.

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

Your Cost **55¢**

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

C5244—Foreign. Each **75¢**

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 midset 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't), Each **35¢**

No.	Type	No.	Type	No.	Type
C7037	140R8*			C7042	K80B(60-92A)
C6868	165R4*(X49)	C6870	K55B	C7043	L42C(60-2037)
C6869	165R8*(50A2)		3613	C7044	L42D
C6865	185R*(60X3)	C6871	K55C(5536)		
C6866	185R4*(180KB)		115.53	C6876	L49B
C6867	185R8*(50X3T)	C6872	K55D		2UR224
C7039	BM49B		3614		69-2033
C7040	BM55B	C6873	K49B(115.41)	C6877	L49C(60-2037)
C7041	C9266	C6874	K49C(16040)	C6860	L55B
C6860	2VR215		K49D	C7045	L80B
	L55B	C6875	3334	C6870	Y-TU-9
C6859	K42B		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—Your Cost **\$3.23**

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. **65¢**



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—Your Cost **81¢**

"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

Simply 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 5 For
C12128 For Ferguson E157 \$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, Your Cost **59¢**

REPLACES ALL AC-DC BALLASTS

No.	Type	No.	Type	No.	Type
C12239	3-40	C12227	320R4*	C12237	KL-75H
C12238	4P-45	C12228	E157*	C12236	KL-50H
C12234	165R4*	C12233	KL-25	C12229	KL-50S1
C12225	200R*	C12235	KL-25H	C12230	KL-50S2
		C12232	KL-45	C12223	KL-50S3

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	Use	Each	
4-5	5A5	11-12	11A5	\$1.25
6-7	7A5	13-17	20A5	
8-10	9A5			
C19101—Socket Only			15c	

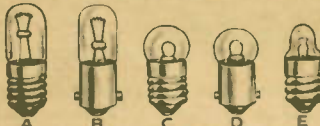
Battery Ballasts for 2 Volt-Tube Radios

To Re- place	Use Ampe- rite	To Re- place	Use Ampe- rite	To Re- place	Use Ampe- rite	To Re- place	Use Ampe- rite
1A1	5E1	1K1	5H1	6	1F1	LLL225	5E1
1E1	5E1	1N1	1N1	6AA	5E1	1A2	30
1G1	4-1	1V1	5H1	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	58.14
C12274	48	Pink	2.0	.06	15c			\$0.88
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)

Stock No.	Type	Bead Color	Volts	Amps.	Ea.	10 For	100 For	58.14
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)

Stock No.	Type	Bead Color	Volts	Amps.	Ea.	10 For	100 For	58.14
C12273	50	White	6-8	.20	10c			.59 5.39

Round Bulb, Miniature Bayonet Base (D)

Stock No.	Type	Bead Color	Volts	Amps.	Ea.	10 For	100 For	58.14
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	58.14
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



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.



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		
C12263	S14	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	1/2		
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 1/4" except C13327 which is 2". C13387 requires 1 1/4" socket hole in addition. C13331—Candelabra (B) C13330—Miniature (B) C13327—Edison (B) C13387—Candelabra (A).....28c

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	1/2	
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 1/4" 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. Each...15c C12258—3 watts. Each...25c Type C-7. As above, but cone shape, 7 watts. Available in White Frosted—C12280; Clear—C12275. Either Type, Each...10c

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 1/8" long. C12272—10 for \$3.30. Each...36c

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 49c 107 10 7.5 49c 854 8.5 4.0 75c 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 1/4" 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 1/2" mounting hole. Jumbo brackets have 3/4" jewel, requiring a 11/8" hole. Available with Candelabra 110 V. Miniature Bayonet and Miniature Screw base sockets.

Base Type	Standard Size		
	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
Assembly With 3/4" Jewel Each
Min. Screw C6330 C6331 C6332 42c
Cand. C6333 C6334 C6335 42c

Front Removable Jewel Brackets



Mounts in 1 1/4" 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, Each...27c Same, but Miniature Bayonet Base C6408—Red C6409—Green C6410—Amber C6411—Opal Any Type, Each...27c

Giant 1" Jewel Brackets

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

Color	Candelabra Base	Miniature Base	Bayonet Base
Red	C6403	C6404	C6405
Opal	C6321	C6324	C6327
Green	C6322	C6325	C6328
Amber	C6323	C6326	C6329

Any Type Above, Each...70c



Tru-test Bulb's Eye
Takes Candelabra base bulbs type S-6. For panels up to 3/8" thick. 1" diameter glass jewel with set of 4 color discs—red—green—amber—white. Polished chrome. Jewel bezel. C14174—Your Cost...59c C14175—Similar to above, but with red or green faceted 1" jewel. Specify color. C14176—Same but with miniature base. Either Type, Your Cost Each...59c

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 Either Type, Your Cost...\$1.08

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 x 1 1/4". Bulb not supplied. Each Lots of 10 C6445—Your Cost...19c \$1.65

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 top 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 3/4 x 1 13/16	1	4	31c
C19867	2370	4 1/2	4 x 3 3/8 x 1 1/2	2	10	30c
C19868	5540	7 1/2	3 3/4 x 4 x 7/8	1	4	48c
C19862	5156	22 1/2	3 3/4 x 4 1/4 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.

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	45	5 7/8 x 4 3/4 x 2 3/8	4	5	\$1.16
C19863	4156	brass	22 1/2	3 x 3 3/8 x 2 3/8	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	Type	Dimensions H. W. D.	Shpg. Wt. Lbs.	Unit Pkg.	Single Each
C19829	C19825	2308	Regular	7 1/2 x 8 x 2 7/8	8	6	\$1.33

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

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

SPECIAL PURPOSE BATTERIES FOR TEST INSTRUMENTS AND LABORATORY USE

Stock No.	Burgess No.	Terminals	Volts	Shpg. Wt.	W-D-H Size	Your Cost Each
Radio "A" Batteries						
C19844	F2BP	Screw	3	12 oz.	2 1/2 x 1 1/2 x 1 1/8	50.34
C20678	2FBP	Screw	1 1/2	12 oz.	2 1/2 x 1 1/2 x 1 1/8	.34
C20679	F2BP	.....	3	1 lb. 5 oz.	5 1/2 x 1 1/2 x 1 1/8	.60
C20680	F4BP	Screw	6	1 lb. 6 oz.	2 1/2 x 2 1/2 x 3 1/8	.42
C20681	44	Screw	1 1/2	10 oz.	1 7/8 x 1 1/2	.45
Radio "B" Batteries						
C20682	A15ST	Strap	22 1/2	15 oz.	3 1/2 x 2 1/2 x 2 1/8	.60
C20683	X30X	Screw	45	12 oz.	2 1/2 x 1 1/2 x 1 1/8	1.80
C19865	Z30N	Screw	45	1 lb. 4 oz.	3 x 1 1/2 x 4 1/8	1.15
C20684	Z30NX	Screw	45	1 lb. 4 oz.	3 x 1 1/2 x 4 1/8	1.50
Radio "C" Batteries						
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 1/2 x 1 1/2 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
"A" Batteries						
C20688	1ES	Metal Cap	1 1/2	2 oz.	1 3/8 x 1 1/8 diam.	50.07 1/2
C20689	2ES	Metal Cap	1 1/2	5 oz.	2 1/2 x 1 1/8 diam.	.07 1/2
C20690	CE	2-Hole Socket	1 1/2	5 oz.	2 3/8 x 1 diam.	.15
C20691	TE	2-Hole Socket	1 1/2	5 oz.	3 1/8 x 1 1/8 diam.	.19
Standard "B" Batteries						
C20692	W15E	3-Hole Socket	22 1/2	6 oz.	1 1/2 x 1 1/8 x 3 1/8	.94
C20693	W22E	3-Hole Socket	33	7 oz.	2 1/2 x 1 1/8 x 3 1/8	1.13
C20694	XX30E	3-Hole Socket	45	7 oz.	2 1/2 x 1 1/8 x 3 1/8	1.35
For Carbon Hearing Aids—Universal Batteries						
C20695	T2R	Uni. Flexible Block	3	12 oz.	1 1/2 x 2 3/8 x 4 1/8	.36
C20696	T3R	Uni. Flexible Block	4 1/2	12 oz.	1 1/2 x 3 3/8 x 4 1/8	.45
For Western Electric Ortho-Technic Models						
C20697	C3WE	4-Hole Socket	4 1/2	12 oz.	1 1/2 x 3 3/8 x 2 3/8	.43
C20699	T2WE	4-Hole Socket	3	9 oz.	1 1/2 x 2 1/8 x 4 1/8	.45
C20698	T3WE	4-Hole Socket	4 1/2	12 oz.	1 1/2 x 3 3/8 x 4 1/8	.51

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 3/8 x 2 3/8 x 1 1/8	50.33
C19846	4F2H	3	3 lbs.	2 3/8 x 3 1/8 x 5 3/8	.77
C19847	4F4H	6	7 lbs.	2 3/8 x 8 1/2 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	5¢ Ten Ass't'd for 45c
C20592	(2)	3-prong "C"	4 1/2 V. "C" Batteries	
C20593	(3)	5-prong "C"	22 1/2 V. "C" Batteries	
C20590	(4)	2-prong "A"	4 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	

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 3/8 x 2 3/8 x 4 1/8. 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 3/4.

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—**\$2.35**

Your Cost Each.

C20606—Resistor. Each. **25c**

PORTABLE "A" BATTERIES

COMPARATIVE TYPES

Stock No.	Burgess No.	Your Cost	Volts	Size L x W x H	Usa-Lito	Eveready	Bright Star	Ray-o-Vac.	Shpg. Wt. Lbs.
C19854	2F	28	1 1/2	1 1/2 x 1 1/2 x 4 3/8					1
C19850	4F	35	1 1/2	2 3/8 x 2 3/8 x 4 1/8	634	742	462	P64A	2
C20610	G3	32	4 1/2	4 x 4 2/8 x 1 3/8	683	746	361	P83A	2
C19842	F4P1	38	6	2 3/8 x 2 3/8 x 4	639		646	P694A	2
C20613	2F4L	70	6	3 3/8 x 1 1/2 x 10 1/8	646	747	868	P698L	4
C19843	G5	52	7 1/2	3 3/8 x 2 1/2 x 4 3/8	687	687	561	P85A	3

PORTABLE "B" BATTERIES

C20627	XX45	1.60	67 1/2	1 1/2 x 2 1/2 x 3 1/8		467		4367	1
C20614	B30	1.05	45	2 3/8 x 4 1/8 x 5 3/8	624	762	30-03	P5303	3
C20616	Z30	1.12	45	3 1/8 x 2 1/2 x 4	620	738	30-33	P7R30	2
C20617	M30	1.05	45	5 3/8 x 3 3/8 x 1 3/8	640	482	30-33	P5S30	4

COMBINATION PACKS FOR PORTABLES

C19871	5DA60	2.36	1 1/2 & 90	5 3/8 x 2 1/2 x 6 7/8	AB665				5
C19874	6FA60	2.44	1 1/2 & 90	11 1/8 x 6 1/2 x 1 1/2	AB667			AB84	6
C19875	4GA42	1.82	1 1/2 & 63	9 x 2 x 4 3/8	AB669			AB419	5
C20618	G4B50	2.23	6 & 75	4 1/8 x 12 3/8 x 2 3/8	AB670				7
C20624	6TA60	2.52	1 1/2 & 90	9 1/2 x 2 1/2 x 4 1/2					5 1/2
C20620	G6B80	2.60	9 & 90	13 3/4 x 4 1/2 x 2 1/2					8 1/2

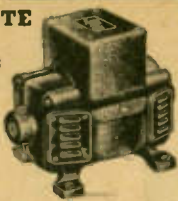
COMBINATION PACK FOR FARM RADIOS

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

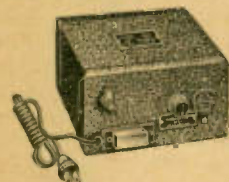
LAFAYETTE Rotary Converters With Radio Filter



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.

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 1/2". Shpg. wt. Standard models 18 lbs.

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

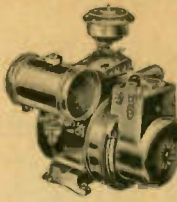
Hydrometer

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 3/4" deep. Finished in black wrinkle. For 115 volts, 50/60 cycles a.c. operation. Shpg. wt. 5 lbs.



C15696—Your Cost \$6.24

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 1/2 x 5 1/2". For 115 V. 50/60 cycles a.c. Shpg. wt. 11 lbs. For 6-volt batteries.



C15700—Your Cost \$11.76

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 1/2". 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 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.



C17217—Your Cost \$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	Vltg.	Output	Voltage	Output	Type	Each
C6090	VP-551	6.3	125-150-175-200	100 ma.	Self-Rect.		\$10.33
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

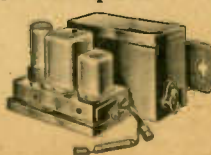
Replacement Vibrators for Vibrapacks

No.	Vibrapacks	Type	Each	No.	Vibrapacks	Type	Each
C6062	VP-551, 552, 540	725	53.88	C6064	VP-G556	G-725	54.59
C6063	VP-553, 554, 555†, 557†	825	3.18	C6065	VP-F558	F-826	3.50

†—Two vibrators required.

MALLORY VP-540 Filtered Vibrapack

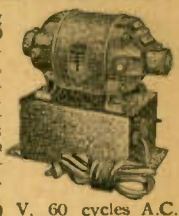
A complete "B" power unit that operates from any 6 volt storage battery and delivers 250 volts at 60 ma., closely matching the power requirements of most auto, marine and aircraft receivers. The self rectifying unit is fully filtered. Complete with overall dust cover and special mounting bracket. Size: 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 filters. 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.	\$2.94
C21901	B	2 amps.	
C21902	C	2 amps.	\$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.

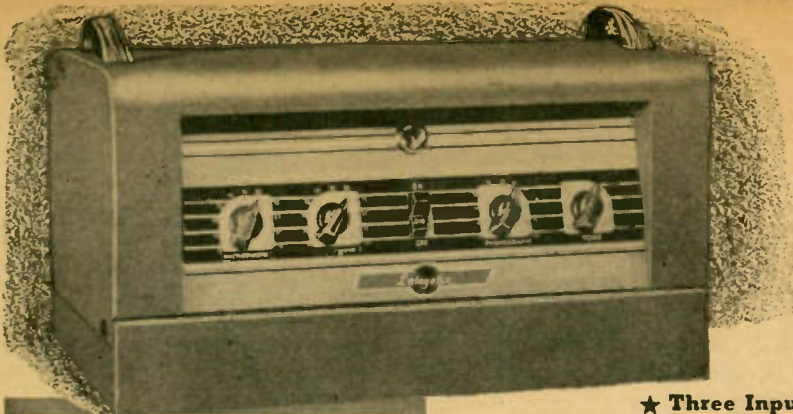
The chart below has proved beneficial to many in selecting amplifiers and systems for various locations. This chart is accurate for all normal conditions of noise level. Where noise level is higher for a given location, select the next larger size amplifier; where noise level is lower the next smaller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

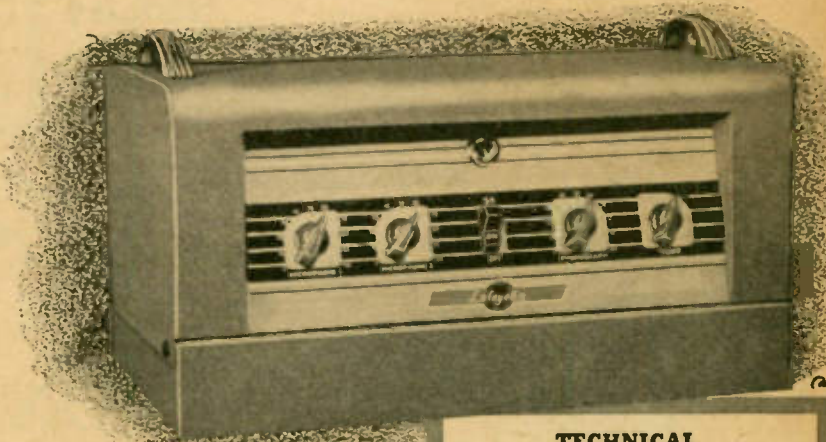
Low Impedance Amplifier

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 EL30 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 impedance 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, 17 $\frac{1}{4}$ "x10"x12 $\frac{1}{2}$ ". Shpg. wt. 68 lbs.

Your Cost **\$95.55**

Low Impedance Amplifier

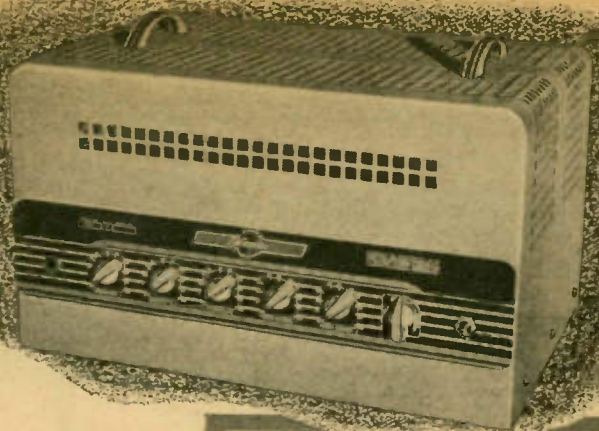
Model EL75—Lafayette 70 watt amplifier, similar to above, but with first microphone input channel equipped for low impedance. Uses special high fidelity input transformer, mounted right on chassis. Humless. Tapped at 50, 200, 500 ohms. With tubes. Shpg. wt. 70 lbs.

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.

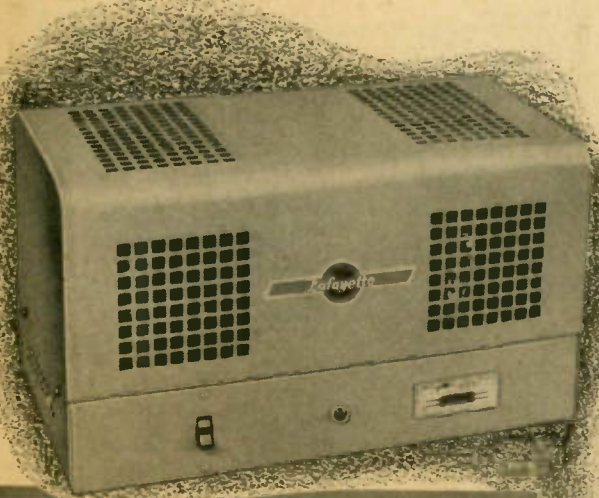
REMOTE CONTROL PROVISION: Built-in provides complete mixing and fading any two of the 3 available inputs from remote point.

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, 2-5K4G, 2-5W4GT.

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

DIMENSIONS: 17 $\frac{1}{4}$ "x10"x12 $\frac{1}{2}$ ".



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, 16 $\frac{1}{2}$ " wide, 9 $\frac{1}{2}$ " high.

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**

Lafayette

18^T

MOBILE

Amplifier



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

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, 14¼" wide, 8¼" high.

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.

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. **\$54.30**
 Your Cost (less phono motor).....

Lafayette

8

WATT 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.

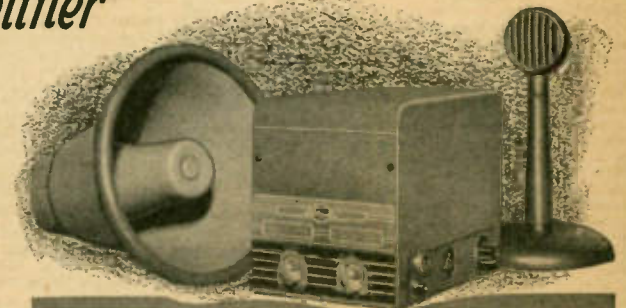
The amplifier utilizes push pull output and has stand-by switch which reduces current drain and keeps unit ready for immediate use.

This amplifier will deliver sound output equivalent to that of a 15 watt amplifier when used with the specially developed University foled 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. **\$32.05**

Your Cost.....
C24015—Heavy duty "Booster" speaker with mounting bracket and rubber rim. Shpg. wt. 8¼ 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: 5¼" wide, 7¾" deep, 6¼" high.



Lafayette

32^T

DELUXE MOBILE

Amplifier

- ★ 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. **\$116.42**
 Shpg. wt. 60 lbs. Your Cost.....
 Model EX632—Same as above, but with Electronic Hydrometer to indicate condition of battery under load. Your Cost.....\$119.36

TECHNICAL SPECIFICATIONS

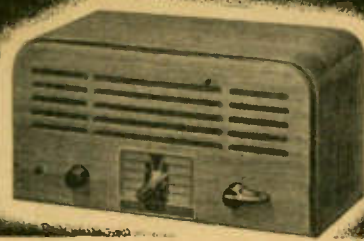
POWER OUTPUT: 32 watts normal (less than 5% distortion); 40 watts peak.
 GAIN: Microphone inputs 120 db.; Phono input 31 db.
 FREQUENCY RESPONSE: 30 to 12,000 cycles plus or minus 1 db.
 INPUT CIRCUITS: Three input channels; Two microphone, One phono. All High Impedance.
 OUTPUT IMPEDANCE: 4, 8, 15, 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

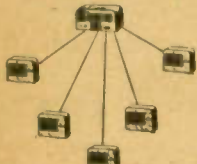


Fig. I

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

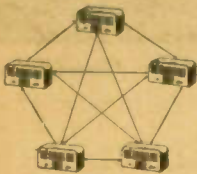


Fig. II

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

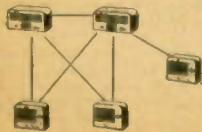


Fig. III

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 Mas-

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 1/4" x 5 1/4" x 8". Sub-Stations and Staff Stations have metal cabinets, 5 1/4" x 3 3/4" x 7". 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. **Your Cost... \$19.95**

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. **Your Cost... \$23.50**

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. **Your Cost... \$26.50**

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

The DeLuxe Intercommunication Systems incorporate all the features of the Standard Systems listed above, and in addition are considerably more powerful. The Master Stations have a full 2 1/2 watt output, SILENT OPERATION, to eliminate noises from Sub-Stations not in use; variable volume control adjustable at each Master from a whisper to full room volume; PRIVACY EARPHONE (optional) which disconnects speaker when lifted to insure absolute listening privacy. Extra power allows person at Sub-Station or Staff Station to answer at distances of 50 feet from the unit. 3000 feet of cable may be used between stations. Master Stations are housed in beautifully finished choice walnut wood cabinets, finished both back and front, measuring 12" x 6 1/2" x 5 3/4". Sub-Stations and Staff Stations are in matching walnut wood cabinets 7 1/4" x 3 3/4" x 6 1/4". For operation on 110-115 volts AC or DC.

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. **Your Cost... \$34.95**

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

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. **Your Cost... \$34.95**

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. **Your Cost... \$38.25**

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

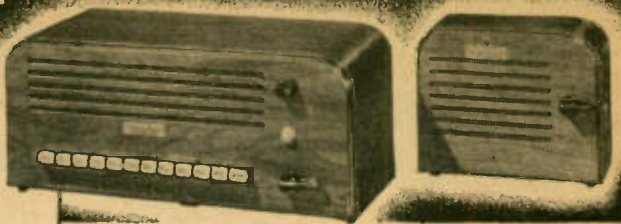
C16004—Cable for connecting Staff Stations to Masters. Per 10 ft. 85c

C16005—Cable for connecting Sub-Stations to Masters. Per 10 ft. 30c

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 2¼ watts allows persons at Staff Stations or Sub-Stations to answer 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"x6½"x7". Staff Stations and Sub-Stations have matching wood cabinets measuring 7½"x3¼"x6¼". 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 C100C—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**

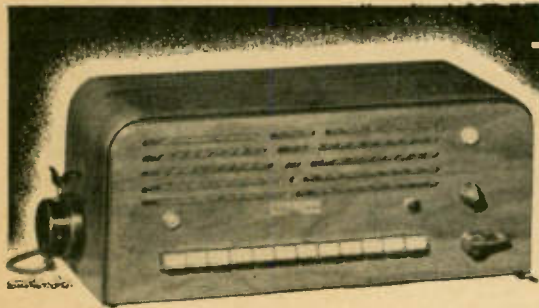
Model UC82—Sub-Station. Cannot originate calls to Masters. Shpg. wt. 4 lbs.

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 De Luxe 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"x6½"x7". Staff Stations and Sub-Stations in matching wood cabinets, 7½"x3¼"x6¼". 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 uninterruptable 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. **\$14.70**
Your Cost.....

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 Graphoil 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 $2\frac{1}{16}$ " diam. $3\frac{1}{8}$ " 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 $2\frac{3}{8}$ " diam. by $1\frac{3}{4}$ " deep over bracket. Switch extends $\frac{1}{16}$ " 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., $1\frac{3}{4}$ " thick. Button impedance 200 ohms. Shpg. wt. 1 lb. Model AR-1S. For closed cabin craft.

C13444—Your Cost..... **\$20.58**

Model AR-1M. For moderately quiet cabin craft. **\$20.58**

C13445—Your Cost.....

Model AR-ID. For open Cockpit and combat aircraft. **\$20.58**

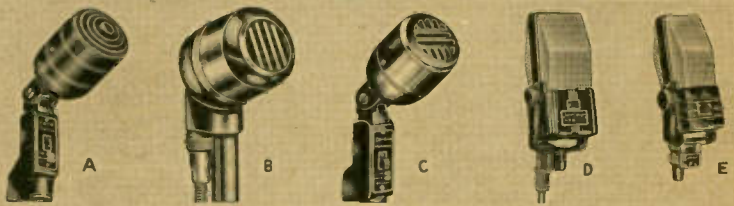
C13446—Your Cost.....

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**

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

(D) Model V-1

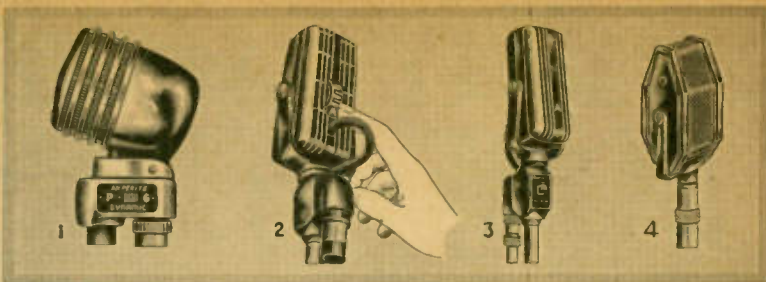
A real high-fidelity velocity microphone. Excellent for P.A., recording, etc. Small in size, yet highly flexible in operation. Carefully engineered under rigidly supervised testing. Frequency response 40-10,000 cps. Output level: -65 db. May be tilted for non-directional use. Zero cavity resonance, reduced feedback. On-off switch, 20-ft. cable. Gunmetal finish, chrome trim. Built-in xformer. Wt. 6 lbs. High impedance. **C13722**—Ea. **\$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—PGAll. 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
C13661	KTH	40-9000 c.p.s.	—30 db.	25-ft.	\$12.94
C13675	SKH	40-6000 c.p.s.	—40 db.	15-ft.	7.06
C13698	KR	40-6000 c.p.s.	Spec.	15-ft.	7.06

Model With Volume Control (3x1x5/8")

C13690	KKH	40-6000 c.p.s.	—30 db.	25-ft.	10.58
C13691	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 1/2" to 1 1/2". **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 RBHK, 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 5/8"—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 5/8"—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. 5/8"—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

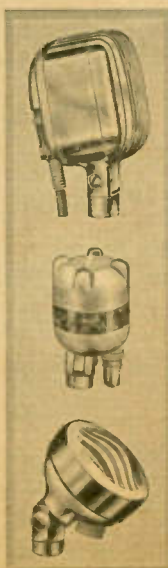
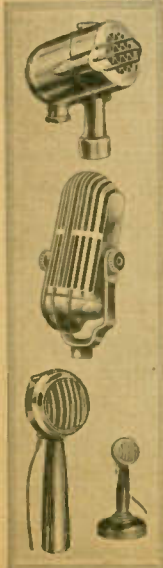
Fine response from 60 to 7500 cycles and a high output of —56 db. feature this new model. Rugged yet light in weight (app. 10 1/2 oz.). 180° vertical angular setting, and positive friction lock at the swivel. Single contact shielded plug. 12 1/2-ft. cable. Wt. 2 lbs.

C13586—Hi-Impedance.
C13587—200 ohms.
Either Type, Your Cost..... **\$12.93**

Model C6 Crystal Mike

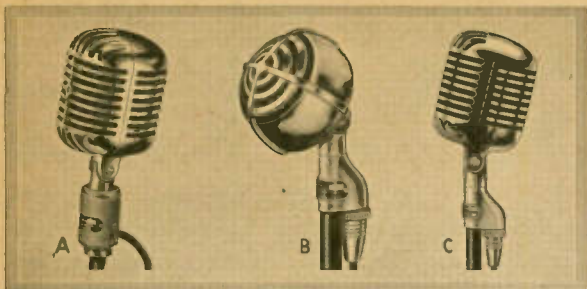
Has a crystal driving lever twice as efficient providing twice the output with equal sound pressure. Broader response—better bass. Output approx. —48 db. Swivel head. 7-ft. cable with connector at mike end. Range: 40-9000 c.p.s. Chrome finish. Overall height 3". Diameter 2 3/4". Standard 5/8"—27 thread. 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 limacon 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 3/4", depth 3 3/4". Fits standard 3/8"-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..... **\$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 3/8"-27 thread for mike. Wt. 4 lbs. (Less Mike).

C13643—

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 3/4" wide, 1 1/4" 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.

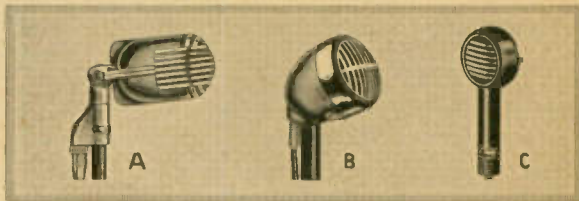
YOUR COST..... **\$14.70**

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 1/4", Length 4 1/8". 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.

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 1/4", 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 3/8"-27. Height over all 6 1/4". Base diam. 4 1/2". Length of handle 5 3/4". 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—

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".
5¢
C20842—Per Foot.....
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 shielding with outer covering of rubber. Abrasion proof.
51 1/2¢
C16079—Per Foot.....
C16201—50-Foot Roll..... \$2.60
C16202—100-Foot Roll..... 4.65

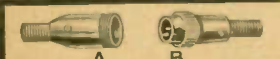
3 and 5 Conductor Shielded Cable



Three color-coded stranded conductors in tightly woven tinned copper shield. 3/8" outer covering of high-percentage rubber.
61 1/2¢
C16145—Per Foot.....
C16206—50-Foot Roll..... \$3.09
C16207—100-Foot Roll..... 5.95
 Similar to above, but 5-conductor.
C16100—100-Foot \$9.00.
Your Cost per Foot..... 10¢

Microphone Fittings

Brass, chrome finish. Threaded 3/8"-27.
(A) Couples two fittings threaded 3/8"-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 3/8" hole. (C).
Your Cost Each..... 24¢
C12574—Female chassis connector with riveting plate. Single 3/8" 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 3/8" hole. Your Cost
27¢
C12575—Female chassis connector with riveting plate. Single 3/8" 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 3/8"-27 thread to fit standard mikes. Extends from 35" to 68". Has 10" dia. base with gray crinkle finish. Shpg. wt. 19 lbs.
\$4.45
C13647—Each

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. 3/8"-27 thread on flexible gooseneck. Shpg. wt. 2 lbs.
\$1.95
C13451—Each

Banquet Stand Two-Tone Model.



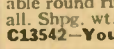
Heavy brass chromed and tubing; black wrinkle finished base, 5 1/2" diam., with rubber bumpers. Has 3/8"x27 thread to fit all standard microphones. 3 1/2" high. Less mike. Wt. 4 lbs.
\$1.25
C13583—Your Cost

Carbon Mike Stand



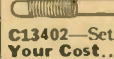
Has 5 1/2" octagonal ring, 8 springs supplied. Overall height 9". Removable ring. Black enamel wrinkle finish.
\$1.47
C13540—Wt. 4 lbs.
Your Cost

DeLuxe Banquet Stand



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

Microphone Springs

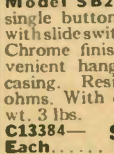


Made of fine tempered steel.
17¢
C13402—Set of 8.
Your Cost

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.
\$3.23
C13381—Each

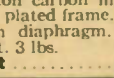


Model SB2: Sensitive single button hand mike with slide switch in handle. Chrome finish. Has convenient hanger on mike casing. Resistance 200 ohms. With cable. Shpg. wt. 3 lbs.
\$6.47
C13384—Each

TRUTEST Two-Button Carbon Mike

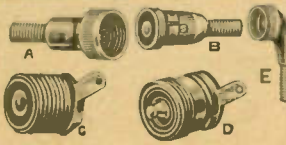


High quality 2-button carbon mike. Range: 45-7000 c.p.s. Heavy chrome plated frame. Pure 24 k. gold contacts. Duraluminum diaphragm. 3" diam. 2" deep. With rings. Shpg. wt. 3 lbs.
\$4.35
C13420—Your Cost



AMPHENON 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.
\$26¢
C13388—MC1F
Your Cost

Microphone Switch



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

"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'ms or P.A. systems. Shpg. wt. 3 lbs.
\$5.88
C13373—Your Cost

Carbon Granules

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

Mike Cable Clip

Nickel plated brass. Holds cable close to stand.
9¢
C13661—Each

SHURE Stand Switches

Type A80B: (top) For any mike. Standard 3/8"-27 thread. Unwired. Shpg. wt. 1 lb.
\$1.47
C13639—Each
Type A83A: (below) For Shure cable connector mikes. No wiring required. Shpg. wt. 1 lb.
\$2.35
C13594—Each

ICA Shielded 3 Way Microphone Plug



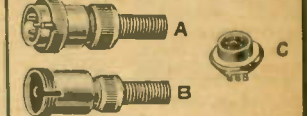
Barrel is made of nickel plated brass. Fully insulated bushing.
\$91¢
C13519—5 For \$4.10. Each
 As above but with bakelite barrel.
C13521—5 For \$2.93
Your Cost..... 65¢

ICA Shielded 3 Way Jack



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

Shielded Locking Type Microphone Connectors



MC series. With polarized shells. Can be used on 27 stands. Locking ring on male, and cable clamps on both, with spring cord protector. Interchangeable bakelite elements. Coupled, 2 1/2"x3/8".
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

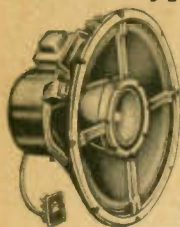
Female for panels up to 3/4". Male, with ring, for panels up to 3/8" thick. Recessed contacts.
\$59¢
C13307—3pr. Female
C13308—3pr. Male
\$65¢ Ea.
C13309—4pr. Female
C13310—4pr. Male

KEEP BUYING MORE AND MORE WAR BONDS AND STAMPS



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.

C19007—Shpg. wt. 24 lbs. **Your Cost** **\$41.16**

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. **Your Cost** **\$29.11**

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)

C19008—Shpg. wt. 16 lbs. **Your Cost** **\$17.35**

JENSEN "CA" Bass Reflex Enclosures



Handsome 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.

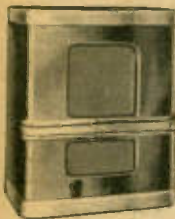
Model CA-12: For 12" speakers. Size: 27 3/4" wide, 31 1/2" high, 12" deep. Shpg. wt. 47 lbs.

C18945—**Your Cost** **\$27.10**

Model CA-15: For 15" speakers. Size: 27 3/4" wide, 31 1/2" high, 14" deep. Shpg. wt. 57 lbs.

C18946—**Your Cost** **\$31.90**

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 For Dimensions Wt. Your
No. Speakers H. W. D. Lbs. Cost

C18994 8" 24 x17 1/2 x11 1/2 35 \$11.12

C18995 10" 28 x21 x12 38 13.82

C18996 12" 30 1/2 x23 1/4 x12 47 15.58

C18998 15" 33 1/2 x25 x13 60 18.23

JENSEN MT8-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, audiotapes, 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 x24 x11 1/2. For floor or wall mounting (brackets supplied). Shpg. wt. 40 lbs.

C18947—Enclosure with 8" Speaker. **Each** **\$20.34**

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 1/2 x23 1/4 x12 3/4. Shpg. wt. 53 lbs.

C19001—Enclosure with 12" PM Speaker **Your Cost Complete** **\$28.52**

C19000—12" PM Speaker only (PM12CT). **Your Cost** **\$10.44**

C19006—12" Dynamic (G12RT). 2500 ohm field. **Your Cost** **7.35**

Transformers For Above

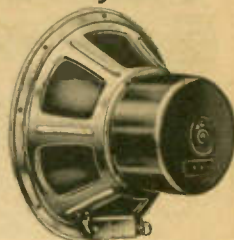
C19177—Matches voice coil to 500 ohm line. **Each** **\$1.47**

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. Watts	Field Ohms	V.C. Imp.	Shpg. 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.	\$6.91
C18992	C12-R (12")	2500 ohms	9 lbs.	\$7.50
C18993	C12-R (12")	1250 ohms	9 lbs.	\$7.50

Series "S" Dynamics

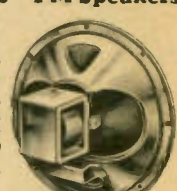


Standard Replacements. All less output transformers (see listing under Series "S" PM), excepting No. C18977 which includes a 4500 ohm transformer to match 43, etc.

No.	Model	Size	Ohms	Each
C18956	H4-S	4"	450	\$1.88
C18957	H4-S	4"	3000	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	
C18981	H6-S	6"	1800 tap- ped at 300	\$2.11
C18982	H6-S	6"	6 volt	
C18983	F8-RS	8"	2500	
C18984	F8-RS	8"	1000	
C18959	F8-RS	8"	1800 tap- ped at 300	\$2.76
C18985	G10-RS	10"	2500	\$4.05
C18986	G10-RS	10"	1250	\$4.05
C18928	G12-RS	12"	1250	\$6.00
C18987	G12-RS	12"	2500	\$6.00

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.



Stock No.	Model	Your Cost
C18960	PM4-FS, 4"	\$2.03
C18968	PM5-FS, 5"	2.06
C18969	PM6-ES, 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	\$5c
C18974	Tube	PM & H 4, 5, 6, 8	\$5c
C18975	Line	PM8 DS, FS	\$1.32
C18976	Tube	PM8 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	\$1.82
C19024	Univ. Line	A12, B12X, PM12H	\$2.44
C19025	Univ. Tube	A12, B12X, PM12H	\$2.44
C18964	Univ. Line	CS-RS, C10-RS, C12-R, PAH-8, FAB-8	\$1.82
C18965	Univ. Tube	CS-RS, C10-RS, C12-R, PAH-8, FAB-8	\$1.82
C18966	Univ. Line	PM10-GS, G10-RS	\$1.32
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.	Diameter	V.C. Dia.	Wattage Nor.-Peak	Depth In.	Shpg. Wt.	Your Cost
C19268	3 1/2"	2 1/2"	4	2 1/2"	2 lbs.	\$1.98
C19269	5"	3"	4 1/2	2 1/2"	3 lbs.	2.04
C19270	6"	4"	6	2 1/2"	3 lbs.	2.51
C19271	8"	5"	8	3 1/2"	4 lbs.	3.04
C19290	10"	1"	8	10	6 lbs.	4.38
C19272	12"	1"	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 11726GT 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.

C19901—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. Supplied **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

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 midjet 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 tapped at 300 ohms. **\$1.39**
Your Cost, Each

Special Transformers for 5" Models

Stock No.	Impedance	For Tubes	Your Cost Each, Any Type
C19286	2,000 ohms	25B6, 25L6, etc.	49c
C19287	4,000 ohms	25A6, 43, etc.	
C19288	10,000 ohms	41, 6C6G, 6A4-LA	

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"

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" 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 }



10"-12"

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 Chandelier Baffle.



KAINER Chandelier 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 luster, 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 leatherette 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)					DELUXE MODELS (Right)				
No.	Speak.	Shpg. Wt.	H. W. D.	Each	No.	Speak.	Shpg. Wt.	H. W. D.	Each
C20060	6"	8 1/2	7 1/2 x 4 1/2	\$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 5/8 x 1 1/8 x 1 1/8	2 1/2"	.79
C1535	1 1/2 x 2 1/2 x 1 3/4	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



EXPERT EXPEDITING ON GOVERNMENT AND INDUSTRIAL ORDERS



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". Dept., 20 3/4". 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 1/2" x 1 1/2". Each \$2.94

C18923—500 to 8 or 16 ohms. 1 1/2" x 1 1/2". 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. 24 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. **\$36.75**

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

Projector with Dynamic Speaker. SFB-81. **\$36.75**

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 Peri-Dynamic 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 1/4"; 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 1/2" cutout. Wt. 4 lbs.

C18930—Each.....\$5.23

ENCOY 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-impervious paint. 6-8 ohms V.C. diameter, 1 inch. Supplied less transformer. (See listing on page 20.) Shpg. wt. 3 1/4 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.....\$38.07

UNIVERSITY Driver Units

Built to the highest standards of electrical and mechanical tolerances. All employ **Ainco** 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. No.	V.C. Watts	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

Model CR-4: Heavy duty model, similar to 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 platform 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 install! 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.
4" Speaker Cones		
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 49AG385
C19371	1620	Zenith 49U334
Your Cost, Each..... 59¢		

Stock No.	Carron No.	Model No.
5" Speaker Cones		
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 (Detrola 140)
C19440	1286	Belmont 580, Emerson 250W
C19441	1626	Chevrolet 985538 (Sprk. 41045)
C19442	1491	Chevrolet 985425
C19443	1634	Chevrolet 985538 (Sprk. 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	1013	Jensen T3 (Crosley 175, 343)
C19463	1507	Jensen PM5DS, H5S
C19464	1353	Oxford 5A (Detrola 4F, 4J, etc.)
C19465	1198	Quam-Nichols (Aetna 4154W)
C19466	1387	Quam-Nichols (Air King 260)
Your Cost, Each..... 73¢		

Stock No.	Carron No.	Model No.
6" Speaker Cones		
C19525	1020	Admiral 5X, 6M, 6B, 6A, 5A
C19558	1204	Airline 62-177, 62-173, Arvin 20A
C19467	1325	Bosch 505, 4301, 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	1400	Jensen PM6C, G6R
C19507	1571	Jensen PM6GS
C19576	1285	Jensen F6R (Belmont 777)
C19471	1606	Motorola 28D
C19470	1081	Rola F5
C19472	1281	Rola DP5B (Colonial R11553)
C19473	1581	Utah 6B103
Your Cost, Each..... 88¢		

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

Stock No.	Carron No.	Model No.
8" Speaker Cones		
C19689	1347	Chevrolet 985301 (Rola)
C19548	1254	Grunow 650, 651, 661, 8A4
C19612	1411	Jensen GBR, PM8C
C19506	1200	Magnavox 154D, 48C, 158
C19508	1414	Stewart Warner R10, 102A
Your Cost, Each..... \$1.32		

Stock No.	Carron No.	Model No.
10" Speaker Cones		
C19501	1000	Atwater-Kent No. 15142, 55
C19782	1007	Atwater-Kent No. 14374
C19507	1367	At-Kent No. 26243-711, 112
C19532	1060	Majestic G3, 90, 91, 101
Your Cost, Each..... \$1.32		

Stock No.	Carron No.	Model No.
12" Speaker Cones		
C19509	1256	Grunow 901, 902, 1101, 115
C19510	1035	Jensen D7, D8 (11 1/2")
C19512	1603	Jensen PM12GS
C19701	1384	Jensen PM12C
C19613	1474	Jensen PM12B

Stock No.	Carron No.	Model No.
12" Speaker Cones—Continued		
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, 12P1115-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
Your Cost, Each..... \$1.70		

For Philco Sets

Stock No.	Carron No.	Model No.
4" Speaker Cones		
C19534	1542	TH 4 (Pt. No. 36-1469)
C19538	1587	TP4, TP12, PT25
Your Cost, Each..... 53¢		

Stock No.	Carron No.	Model No.
5" Speaker Cones		
C19682	1244	54, 57 (Pt. No. 36-3029)
C19552	1203	5, 5T (Auto) (Pt. No. 02861)
C19703	1343	F79 (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)
Your Cost, Each..... 59¢		

Stock No.	Carron No.	Model No.
6" Speaker Cones		
C19549	1500	C1608 (Chrysler)
C19550	1455	F1540 (Ford), (Pt. No. 45-2608)
Your Cost, Each..... 59¢		

Stock No.	Carron No.	Model No.
7" Speaker Cones		
C19516	1557	1708, F194D
C19681	1246	34B, L (Pt. No. 36-3157)
C19528	1467	37-38B, F (Pt. No. 36-3546)
C19671	1245	6, 7, 8, 9, 10 (Pt. No. 36-3159)
Your Cost, Each..... 59¢		

Stock No.	Carron No.	Model No.
8" Speaker Cones		
C19547	1079	20, 21 (Pt. No. 02625)
Your Cost..... 73¢		

Stock No.	Carron No.	Model No.
10" Speaker Cones		
C19529	1248	16B, 14LZ (Pt. No. 02625)
C19400	1078	87, 40, 41, 65 (Pt. No. 36-3170)
Your Cost, Each..... 82¢		

Stock No.	Carron No.	Model No.
12" Speaker Cones		
C19551	1539	39-40, 39-45 (Pt. No. 36-4089)
Your Cost..... \$1.32		

For RCA Sets

Stock No.	Carron No.	Model No.
5" Speaker Cones		
C19406	1236	R28, 300, 301, 100 (Pt. No. 8987)
C19554	1091	M34, M105 (Pt. No. 9023)
Your Cost, Each..... 59¢		

Stock No.	Carron No.	Model No.
6" Speaker Cones		
C19410	1225	R37, R38, R38P (Pt. No. 9428)
Your Cost..... 59¢		

Stock No.	Carron No.	Model No.
9" Speaker Cones		
C19405	1124	R32, 52, RE45, E35 (Pt. No. 10801)
Your Cost..... \$1.03		

Stock No.	Carron No.	Model No.
10" Speaker Cones		
C19403	1088	34, 35, 39, 50, 80, RE20 (Pt. No. 8558)
Your Cost..... \$1.18		

Stock No.	Carron No.	Model No.
12" Speaker Cones		
C19556	1517	910KG, 911K (Pt. No. 31275)
Your Cost..... \$1.18		

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. 3/4" smaller OD is limit for safe operation.



Type	Dimensions		Coil Length
	Pole Piece Min.-Max.	Coil Out. Dia.		Min.-Max.
A	1" - 1 1/2"	2 1/2"	1 1/2" - 1 3/4"
B	1 1/2" - 1 3/4"	2 1/2"	1 3/4" - 1 7/8"
C	1 3/4" - 1 7/8"	2 1/2"	1 7/8" - 2 1/8"
D	1 7/8" - 1 3/4"	2"	1 3/4" - 1 7/8"
E	1 3/4" - 1 3/8"	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 1/4" x 3/4" 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......91c

AUDIODISCS

"RED LABEL" Glass Base

Faithfully 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. Labelled.

- 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.

- C1991—Your Cost.....90¢
- Techniques of Recording—Goldsmith & Geisel. C20268—75¢
- Your Cost.....75¢

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. Your Cost.....25¢

Stroboscopic SpeedChecker

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



"Brush-Off"

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

GREEN FLYER Automatic Stops

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

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	2½x 3/8"	1-oz.	.85V.	\$4.70
C13964	Astatic	LP-21 A	*Flat 2-hole mount	2½x 3/8"	1-oz.	.85V.	4.70
C13965	Astatic	L-40 B	Flat 2-hole mount	2½x 3/8"	1½-oz.	.6V.	2.35
C13966	Webster	N3 B	Flat 2-hole mount	2½x 3/8"	1½-oz.	.7V.	2.35
C13968	Shure	W42A B	Flat 2-hole mount	2½x 3/8"	1-oz.	1.4V.	2.35
C13970	Webster	W4 D	Side hole mount	2½x 3/8"	1½-oz.	.7V.	2.85
C13971	Webster	W5 D	*Side hole mount	2½x 3/8"	1½-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	2½x 3/8"	2¼-oz.	2.5V.	2.94
C13406	Astatic	B-2 D	Univ. terminals	2½x 3/8"	2¼-oz.	2.5V.	2.94
C140	Astatic	B-4 D	3" leads. Bakelite case	2½x 3/8"	2¼-oz.	2.5V.	2.94
C13973	Astatic	L-26 B	Flat 2-hole mount	2½x 3/8"	2¼-oz.	1.4V.	2.35
C233	Astatic	M-22 B	†Flat 2-hole mount	2½x 3/8"	2¼-oz.	2.9V.	2.94
C13393	Shure	W20C D	†For 94, 98, 99, 910B PU's	2½x 3/8"	2¼-oz.	3.0V.	2.35
C13974	Shure	W27C D	Universal mount Bake.	2½x 3/8"	2¼-oz.	3.0V.	2.94
C13975	Shure	W40A B	Flat 2-hole mount	2½x 3/8"	2-oz.	3.0V.	2.35
C540	Webster	T1 D	Side hole mount	2½x 3/8"	2¼-oz.	2.0V.	2.85
C13976	Webster	C2 C	Flat, 2-hole flange mount	1½x1"	2¼-oz.	2.0V.	2.12

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

RCA Crystal Cartridges

C215	No. 31050	For Models 9842	2.7-oz.	1½V.	2.20
C13424	No. 31156	For Models 9844, 9850	3-oz.	1½V.	2.50
C280	No. 33122	For Models 9868, R93F, VA-21	2.7-oz.	1½V.	2.20
C277	No. 33217	For Model 9891	2.7-oz.	1½V.	2.20
C249	No. 35171	For Models 9869, 9908, 9909D, 9910, 9911	3-oz.	1½V.	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 2¼x1½x¾" with needle screw and 4-inch flexible leads. Less stylus. Shpg. wt. 8 oz.

C13799—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. **59¢**

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

(C) Lafayette 4000 play needle in plastic case. Low surface noise. **85¢**

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

(E) Lafayette Permanent Point Needles, 3000 plays. **39¢**

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

(G) Deluxe Fidelitone "Floating Point" needle. As above, but good for 5000 plays. **\$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. **\$3.23**

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

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

STEEL CUTTING NEEDLES

(G) Steel cutter for acetate; individually ground and lapped. Flattened shank. **25¢**

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

(I) Individually polished steel cutter for acetate discs. Will cut 15 to 25 10-in. discs. **59¢**

(I) Alloy cutter for acetate; harder than steel. Polish while they cut. Hand lapped. **95¢**

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

PHONO NEEDLES for Standard Commercial Records

(J) High fidelity, shadow tested steel needle. Each good for 10 sides. **8¢**

(J) RCA steel phonograph needles. **10¢** 10 Packs **.75**

(J) RCA Full Tone (Pkg. of 100) Package **25¢** 10 Packs **\$1.80**

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

(J) RCA Chromium needles. Green shank. **25¢** 10 Packs **\$1.80**

(J) RCA Tunestone needles. **25¢** 10 Packs **\$1.80**

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

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

(J) Lafayette Chrome plated individually shadowgraphed needles. Good for 15 plays each. **15¢**

(J) Package of 6. Your Cost. **15¢**

(J) Green shank shadowgraphed needles. Good for 12 plays each. **38¢**

(J) Package of 100. Your Cost. **38¢**

(J) Automatic Record Changer needles. Each good for 10 sides. 10 Packages for. **.82c**

(J) Package of 10. **9¢**

(K) Hi-Fi needles for automatic record changers. Good for 10 to 15 plays each. **23¢**

(K) Package of 30. Your Cost. **23¢**

(K) RCA Red Seal needles, designed to play back Red Seal records. 10 Packages for. **\$1.50**

(K) 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. **69¢**

(J) Red shank steel needles for acetate recordings. Individually shadow tested. **38¢**

(K) Filter point highly polished surgical steel needle. Shadow tested. Low surface noise. 10-15 plays. **8¢**

(K) Package of 12. Your Cost. **8¢**

(K) Package of 35. Your Cost. **21c**

(K) Package of 200. Your Cost. **\$1.20**

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

RCA-VICTOR "ONE GRAND" NEEDLE

High quality semi-permanent needle. Good for 1000 plays. Minimum wear and surface noise. **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 1/2 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. **\$12.96**

Needle Cups

Antique bronze finish. 1 1/4" diameter.

C130—Open **5¢**

Each **8¢**

C131—Closed **8¢**

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. **C13458—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 2oz. 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**

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

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

Your Cost. \$2.91

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¢**

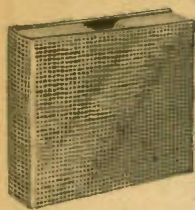
NOTE

Pickups listed on this page are available on priority only. Include your highest authorized preference rating with your orders.



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!



Lafayette

Record Lubricants

RENEWER: For acetate records. Cleans, lubricates and protects. Thin film of lubricant reduces friction. Hardens and preserves acetate records.

- ords. 2-ounce bottle. **35¢**
- C399—Your Cost**.....
- RENEWER:** Same as above but for commercial records such as RCA Victor, Columbia, Decca, etc. **35¢**
- C394—2-oz. bottle. Your Cost**.....
- C395—1/4-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**.....

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**.....
- Each**..... **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 8SQ7, 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 $\frac{3}{4}$ " hole and is $\frac{1}{8}$ " between centers.

- C11773—Plug, Each**..... **7¢**
- 10 For**..... **65c**
- C11774—Jack, Each**..... **13c**
- 10 For**..... **51.20**



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

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



"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	51.29
C20203	C20206	12"	12	1.49

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

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**



OSCILLOSCOPES

DUMONT 3 Inch Oscillograph

Model 164E. Employs 2501A3 (green) Cathode Ray Tube. Amplified sweep uses 885 as saw-tooth oscillator. Separately controlled horizontal amplifier has gain of 40 and vertical amplifier has gain of 50; response from 7.5 to 100,000 sinusoidal cycles. Provision for applying signals direct to deflection plates (not necessary to remove from cabinet). Size: $11\frac{3}{4} \times 7\frac{1}{2} \times 13\frac{1}{2}$ ". With tubes. Shpg. wt. 25 lbs. **\$63.21**



C21557—Your Cost
5" Model 208: Shpg. wt. 60 lbs. Size: $14\frac{1}{2} \times 8\frac{1}{2} \times 19\frac{1}{2}$ ".
C21782—Your Cost **\$164.39**

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, $14\frac{1}{2} \times 8\frac{1}{2} \times 19\frac{1}{2}$ ". For 110-120 volts, 50/60 cycles. With tubes, C-R tube and special input cable. Wt. 30 lbs. **\$160.00**



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. $11\frac{1}{2} \times 15\frac{1}{2}$ ". Shpg. wt. 50 lbs. **\$102.02**



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

RCA Model 155C Oscillograph

3" Model 155C: Employs 906P1 tube and two 6SJ7's for vertical and horizontal amplifier stages, one 6C8/G timing oscillator stage and two 5Y3GT/G rectifier tubes; total of 6 tubes. Bar knob controls all located on front panel. 20 volts (RMS) per inch deflection without amplifier; 0.5 volt (RMS) per inch with amplifier. Amplifier response flat from 10 to 60,000 c.p.s. Amplifier gain 40 db. Timing frequency from 10 to 60,000 c.p.s. Operates on 110 volts, 50/60 cycles a.c. Wrinkle lacquer metal case has etched panel. Size: $15\frac{1}{2} \times 8\frac{1}{2} \times 14$ ". Complete with tubes and instructions. Shpg. wt. 32 lbs. **\$78.00**



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 $7\frac{1}{2} \times 11\frac{1}{2} \times 13\frac{1}{4}$ ". For 110 V. 50/60 cycles a.c. Complete with tubes and instructions. Shpg. wt. 25 lbs. **\$80.85**

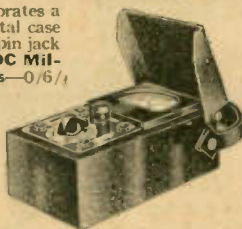


C21598—Your Cost **\$80.85**

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, $3\frac{1}{2} \times 6\frac{1}{2} \times 2\frac{1}{4}$ ". Has pin jack terminals. Following ranges provided: **DC Milliamperes**—0.3, 0.3/30/150; **DC Volts**—0.6/1, 30, 300/1500; **AC Volts**—0.6/30/150/600; **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 $3\frac{1}{2} \times 6\frac{1}{2} \times 2\frac{1}{4}$ ". Shpg. wt. 3 lbs. **\$17.59**

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 Amperes**—0.1/10, **AC Volts**—0.1/10/100/500/1000, **Ohms**—0/500/100,000/1 Meg. **Decibels**—-8 to +15, +12 to +35, +26 to +49, +32 to +55. Output ranges same as AC volts. Size: $3\frac{1}{2} \times 4\frac{1}{2} \times 5\frac{1}{2}$ ". Shpg. wt. 5 lbs. **\$13.18**

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**; 0.2, 5/5, 25 **AC Amperes**; Output Meter same as AC Volts. In hard wood case $7\frac{1}{2} \times 5\frac{1}{2} \times 3\frac{1}{2}$ ". Shpg. wt. 5 lbs. **\$19.06**

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 $4\frac{1}{2}$ " 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** 0/0.03/3/30/300 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, 25/100/1000/10,000 henrys. Open face bench type hardwood case $9\frac{1}{2} \times 9\frac{1}{2} \times 5\frac{1}{4}$ ". 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 **\$35.77**

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: $6\frac{1}{2} \times 3\frac{1}{2} \times 3$ ". Shpg. wt. 4 lbs. **\$18.13**



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%. $2\frac{1}{2}$ " 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. mills: 0.75-75. Ranges selected by plainly marked jacks. Enclosed $4\frac{1}{2}$ " v. battery supplies testing current. Wrinkle steel case; $5\frac{1}{2} \times 3\frac{1}{2} \times 3\frac{1}{2}$ ". With test leads. Shpg. wt. 4 lbs. **\$27.44**



C21500—Your Cost **\$27.44**

|| KEEP BUYING MORE AND MORE WAR BONDS AND STAMPS ||



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 8 1/4". 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 1/4"; silver-gray suede electro-enamel finish, three tone panel. Complete with accessories. Shpg. wt. 31 lbs.

C21789—Your Cost.....\$86.08

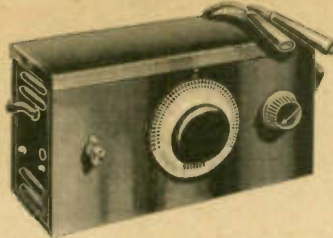
RCP Model 662 Electronic Multitester



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/.001/01/1/10/100/2000 mfd. 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 1/2 x 9 1/2 x 7 3/4". With tubes and batteries. Shpg. wt. 10 lbs. **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

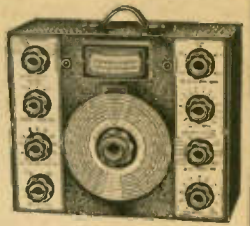
RADIO CITY 703 Sig. Gen.

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 ladder attenuator. 8x11 1/2 x 5". Shpg. wt. 16 lbs. **C21720—Your Cost.....\$32.83**



HICKOK MODEL 19X Microvolt Signal Generator

Crystal controlled output from 100 kc to 30 mc on fundamentals with an accuracy of better than 0.1%. 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.



C21718—Your Cost.....\$94.08

HICKOK Model 188X Signal Generator

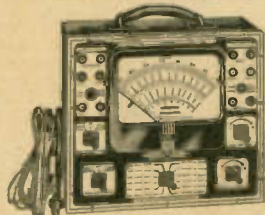
Crystal controlled instrument ideal for AM, FM, Television and P.A. servicing. RF ranges from 100 kc to 110 mc in 7 fundamental bands, accuracy better than 1/2%. With crystal in use, 100 kc or 1000 kc beats are available with accuracy better than 0.1% from 100



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., 26 lbs. **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". Your Cost.....\$53.85

Model EV-10P, as above, in hard-wood portable case with removable cover and tool compartment. **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. Milliamperes** 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. **C21784—Each.....\$15.04**

RCA Junior Volt-Ohmmeter



The new Junior Volt-Ohmmeter 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 1/2 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

SPRAGUE DeLuxe "TEL-OHMIKE"

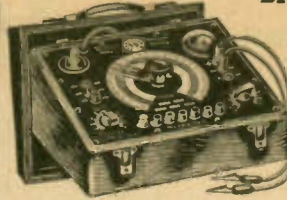


"Tel-Ohmike" provides a simple, accurate means for measuring capacitance and resistance and incorporates a built-in d.c. volt-milliammeter. It will measure capacitances on direct reading scales from .00001 to 2,000 microfarads. Checks paper, mica, oil, wet and dry electrolytic condensers. Measures d.c. resistance from 1/4 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



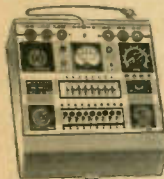
For measuring all important characteristics of capacitors. Incorporates a "Wien" bridge with single stage of amplification and visual "eye" for measurements. Has built-in power supply (for 110 V., 60 cycles AC) for making leakage and insulation resistance tests. Measures paper, mica, air and electrolytic 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 1 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, 5/8 x 2 3/4". With test leads. Wt. 3 lbs. C21501—Your Cost.....

\$18.62

J.C. I. 432 DC Volt-Ohmmeter Ranges: 0-3-30-300-600 V. DC. Res: 1M-10M-100M to 1 Meg. full scale. Wire wound shunts and multipliers 1% accurate. 100 micro-amp. movement. Wire wound rheostat controls battery voltage potential. Wt. 4 lbs. C21502—Each.....

\$27.44

CI 271 Volt-Ohmmeter



2" magnetic vane type meter in black bakelite case with metal back. Ranges: 0-3-30-300 V. D.C. 0-10,000 ohms. Range changed by phone tip and jacks. Resistors 3% accuracy. Two standard flashlight cells inclosed in case. Supplied with 30" long test lead, polarity marked prods. 1 1/2 x 2 1/4 x 3/8". Shpg. wt. 3 lbs. C21503—Your Cost.....

\$3.19

TRIPLETT Model 1612 Tube Tester



Deluxe counter checker with 7" "Red Dot" lifetime meter having a 6" "GOOD-BAD" scale. Speed-roll chart permits readings at a glance. Tests all present day tubes including loktals, Bantam, Jr., miniatures and midjets; 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

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, diodes, 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.

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

HICKOK Model 530-P Tube Tester



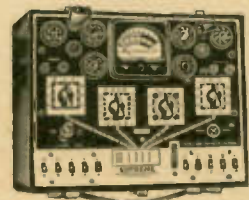
Dynamic tube tester calibrated in microhmhos 0-3000-6000-15000 and also "Good" and "Bad". Tests all types for noise (audio and RF), hot and cold shorts, leakage, gas, etc. Tests grid controlled rectifiers. Continuous line volts adjustment. 96-130 V. Portable case with handle. 14 1/2 x 13 x 6". Shpg.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

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, midjet, 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

Capacitor Decades

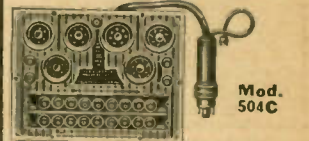
Accurate standards covering a wide range of capacity in 3 units. For use with Type "BN" Capacity Bridge or similar precise unit. Capacity range: .0001 to 11.1 mfd. Calibration chart with each. Rating 600 V. DC-220 V. AC; Tolerance ±5%. Walnut Bakelite case, dim.: 3 1/2 x 5 x 3". Wt. 4 lbs. C21729—.011 mfd. in .0001 steps. C21730—.11 mfd. in .01 steps. Your Cost.....

\$6.35

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

\$11.29

RCP Master Analyst



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 7 sockets, 8 adapters and cable with latch type plug. 9 1/2 x 7 x 3 1/2". Wt. 5 lbs. C10534—Each.....

\$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 1/2". Shpg. wt. 7 lbs. C10478—Each.....

\$12.69

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

\$14.65

TRIPLETT 696 Battery Tester

Choice of 11 loads. Checks 9 DC voltage ranges, 2, 4, 8, 10, 25, 50, 75, 100, 150 V. Lifetime guaranteed 3" meter. Case 3 1/2 x 5 1/2 x 2 1/4". With leads. Shpg. wt. 5 lbs. C10476—Your Cost.....

\$8.46

|| EXPERT EXPEDITING ON GOVERNMENT AND INDUSTRIAL ORDERS ||



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



SHUNTS AND RESISTORS FOR ABOVE INSTRUMENTS

Resistors, on bakelite, for 0-10-50-250-500-1000 volts.	Price
C11368—Your Cost	\$7.91
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	72c
C11370—Zero adjust. rheostat for ohms ranges. Each	1.44
Multi-Deck Selector Switch (2 decks). With knob.	
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.

C11446—Each... \$8.46
Model 421. 4" sq. \$14.21
C11447—Each...

Decibel Meter Kit: Includes C11446 3" meter, selector switch, 9 wire-wound multipliers on bakelite board, hook-up wire and diagrams.

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



Prongs	Adapt. Top Stock No.	Adapt. Base Stock No.
4	C11562	C11569
5	C11563	C11570
6	C11564	C11571
7 small	C11565	C11572
7 large	C11566	C11573
7 comb.*	C11567	C11574
8 octal	C11568	C11575
8 octal†		
8 octal‡		

*7C top fits only 7L and 8L bases.
†Large dia. base. Fits 7 comb. top.
‡Adapt. Tops 12c/Adapt. Bases 12c Each

6¢



TRIPOLET 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 227A		3" Round 321		3" Square 327A		4" Square 426	
	No.	Each	No.	Each	No.	Each	No.	Each	No.	Each
0-1	C11208	\$4.15	C11209	\$4.15	C11210	\$5.03	C11320	\$5.03	C11336	\$6.47
0-1.5	C11209	\$4.15	C11210	\$4.15	C11211	\$5.03	C11321	\$5.03	C11337	\$6.47
0-3	C11415	\$4.15	C11290	\$4.15	C11411	\$5.03	C11322	\$5.03	C11338	\$6.47
0-5	C11416	\$4.15	C11291	\$4.15	C11412	\$5.03	C11323	\$5.03	C11339	\$6.47
0-10	C11210	\$3.23	C11298	\$3.23	C11202	\$4.15	C11324	\$4.15	C11340	\$5.39
0-15	C11211	\$3.23	C11300	\$3.23	C11203	\$4.15	C11325	\$4.15	C11341	\$5.39
0-25	C11398	\$3.23	C11306	\$3.23	C11394	\$4.15	C11326	\$4.15	C11342	\$5.39
0-50	C11212	\$3.23	C11309	\$3.23	C11204	\$4.15	C11327	\$4.15	C11343	\$5.39
0-100	C11213	\$3.23	C11311	\$3.23	C11205	\$4.15	C11328	\$4.15	C11344	\$5.39
0-150	C11417	\$3.23	C11312	\$3.23	C11413	\$4.15	C11329	\$4.15	C11345	\$5.39
0-200	C11214	\$3.23	C11313	\$3.23	C11206	\$4.15	C11330	\$4.15	C11346	\$5.39
0-250	C11418	\$3.23	C11314	\$3.23	C11414	\$4.15	C11331	\$4.15	C11347	\$5.39
0-300	C11287	\$3.23	C11315	\$3.23	C11395	\$4.15	C11332	\$4.15	C11348	\$5.39
0-500	C11215	\$3.23	C11316	\$3.23	C11207	\$4.15	C11333	\$4.15	C11349	\$5.39
0-750	C11400	\$3.23	C11317	\$3.23	C11396	\$4.15	C11334	\$4.15	C11350	\$5.39
0-1000	C11401	\$3.23	C11318	\$3.23	C11397	\$4.15	C11335	\$4.15	C11351	\$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
0-100	C11432	\$7.55	C11352	\$10.78	C11358
0-200	C11433	\$5.59	C11353	\$9.38	C11359
0-500	C11434	\$5.59	C11354	\$8.62	C11360
			C11355	\$6.66	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	\$3.23	C11273	\$4.15	C11466
0-10	C11281	\$3.23	C11274	\$4.15	C11467
0-15	C11282	\$3.23	C11275	\$4.15	C11468
0-25	C11283	\$3.23	C11276	\$4.15	C11469
0-50	C11284	\$3.23	C11277	\$4.15	C11382
0-150	C11286	\$4.15	C11279	\$5.03	C11470
0-300	C11409	\$5.22	C11406	\$4.63	C11383
0-15-150			C11408	\$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		Model 221		Model 231	
No.	Each	No.	Each	No.	Each
C11230	\$4.15	C11247	\$3.23	C11255	\$4.15
C11231	\$4.15	C11248	\$3.23	C11256	\$4.15
C11232	\$4.15	C11249	\$3.23	C11257	\$4.15
C11233	\$4.15	C11250	\$3.23	C11258	\$4.15
C11234	\$4.15	C11251	\$3.23	C11259	\$5.03
C11236	\$4.15	C11253	\$3.23	C11429	\$4.15
C11237	\$5.03	C11254	\$4.15	C11431	\$6.47
C11404	6.66	C11405	5.59		

METER DIMENSIONS

Model	Flange Body Dia.
221, 231, 241	2 1/4"
227A, 237A	2 1/2"
321, 331, 341	3 1/2"
327A, 337A, 347A	3 3/4"
426, 436	4 1/2"
521, 531	5 1/2"
626, 636	6 x 5 1/2"
726, 736	7 1/2" x 6 1/2"

TRUTEST Meter Cases

Black crackle finish steel cases 4x4x4 1/2" high. Two ceramic insulators. Wt. 2 lbs.
C10398—2 1/4" hole
C10399—2 1/2" hole
Your Cost \$1.03



A.C. MILLIAMMETERS

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

A.C. AMMETERS

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

D.C. AMMETERS

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

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—
Each \$1.08



PANEL METERS and ACCESSORIES

STERLING Meters

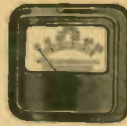


Efficient panel meters with 2" scales, 2 3/8" overall. Plated flanges. Sensitive, accurate movements. Binding post terminals on backs of cases. For flush panel front mtg. Wt. 1 lb.



READRITE Square and Round Meters

Model 55, round with clamp, nickel-plated. Model 95, square, black enameled. Both require 2 1/2" hole. DC: polarized vane solenoid type; AC: double vane repulsion type. Accuracy within 5%.



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. 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	0-500
C10893	0-100	C10878	0-400
C10894	0-150		

Your Cost, Any Type Each. **73¢**
 C10885—0.5 ma. Each. \$1.47
 C10889—0.10 ma. Each. 1.29
 C10879—0.20-100 ma. Each. 1.29

D. C. MILLIAMMETERS

Model 55		Model 95	
No.	Each	No.	Each
C11050	\$1.47	C11150	\$1.71
C11100	1.29	C11151	1.53
C11101	.65	C11152	.88
C11102	.65	C11153	.88
C11103	.65	C11154	.88
C11104	.65	C11155	.88
C11105	.65	C11156	.88
C11106	.65	C11157	.88
C11107	.65	C11158	.88
C11108	.65	C11159	.88
C11110	1.29	C11161	1.53

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
C11682	1.79	0-3	C11005	2.03
C11683	1.79	0-5	C11006	2.03
C11084	1.79	0-10	C11007	2.03
C11085	2.44	0-50	C11008	2.68

D.C. VOLTMETERS

Model 55		Model 95		
No.	Each	No.	Each	
C11051	\$0.65	0-1	C11009	\$0.88
C11052	.65	0-3	C11010	.88
C11053	.65	0-5	C11011	.88
C11054	.65	0-6	C11012	.88
C11055	.65	0-8	C11013	.88
C11056	.65	0-10	C11014	.88
C11057	.82	0-15	C11015	1.06
C11059	.65	0-25	C11016	.88
C11060	1.79	0-25*	C11017	2.03
C11061	.82	0-50	C11018	1.06
C11062	2.12	0-50*	C11019	2.35
C11063	.97	0-100	C11020	1.21
C11064	2.12	0-100*	C11022	2.35
C11065	1.15	0-150	C11023	1.38
C11066	2.12	0-150*	C11024	2.35
C11067	2.12	0-300	C11025	2.35
C11068	2.91	0-500	C11026	3.15
C11069	2.91	0-60/300	C11027	3.15

A.C. VOLTMETERS

C11072	\$1.79	0-4	C11028	\$2.03
C11073	1.79	0-6	C11029	2.03
C11074	1.79	0-10	C11030	2.03
C11075	1.79	0-15	C11031	2.03
C11076	2.91	0-150	C11032	3.15
C11077	3.56	0-300	C11033	3.80
C11079	5.03	0-750	C11034	5.27
C11080	2.91	0-10-140	C11035	3.15

Wide Flange for Model 55 (Round) Meters 2 3/4" outside diameter. Black enamel finish.
C11041—9¢
 Your Cost Each. **9¢**

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	\$10.47
C10702	0-500	C10771	

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".

STERLING Pocket Meters

For Testing "A" and "B" Batteries

In nicked finish cases 2 1/4" in dia., 3/4" thick. All except No. 30 have flexible plugs.

No. 37A: For small batteries. 0-50 and 0-2 v. **\$1.47**
 C10885—Each

No. 38A: For medium batteries 0-100 and 0-2 v. **\$1.62**
 C10883—Each

No. 39A: For large batteries. 0-150 and 0-2 v. **\$1.62**
 C10886—Each

No. 40A: For 3-way set batteries. 0-150 and 0-10 v. **\$1.76**
 C10884—Each

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 (HY113, 115, 125)
 Either Type, Each. **29¢**

Universal Output Meter Adapter

Contacts plate prong of tube. Flexible 50' lead; phone tip at end.
 C11603—**22¢**
 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
Jackson			
Audio Oscillator		652	C21785 \$86.73
Universal Multimeter		612	C21653 47.53
Dynamic Set Tester		637	C21440 60.27
Meissner			
"Analyst"	9-1040		C21706 96.25
Precision			
Tube and Set Tester		920P	C21700 64.63
Volt-Ohm Milliammeter		844P	C21656 29.06
Tube and Set Tester		910P	C21704 40.91
R.C.A.			
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 85.00
Rider Chanalyst		162	C21666 107.50
Chanalyst Converter		164	C21768 55.00
Readrite			
5000 OPV "Big Boy"		860	C21796 19.26
DC Pocket Multitester		738	C10514 8.08
AC-DC Pocket Multitester		739	C10515 10.67
Tube Tester, less Compartment		432A	C21694 19.26
Simpson			
Volt-Ohm Milliammeter		260	C21713 32.58
Supreme			
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 Multitester		549P	C21760 52.87
Triplet			
Dynamic Tube Tester		1213	C21488 23.72
Portable Multitester 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 Multitester		1200F	C21792 30.03
Portable Signal Generator		1232A	C21478 32.18
Portable Appliance Tester		1270A	C21791 32.18
Pocket Multitester, 1000 OPV		666	C10472 15.09
Same, but voltages to 5000 Volts.		666H	C10475 15.65
Portable, 10,000 OPV Multitester		625T	C10480 21.56
DeLuxe Tube Tester		1621	C21748 37.57
Case to make above portable.			C21749 5.39
Like 1621 but with 7" meter.		1620	C21750 40.81
Weston			
Portable Tube and Battery Tester		777-1	C21734 49.50
Same, Counter with Roll Chart		777-2	C21735 54.75
DeLuxe Signal Generator		776	C21648 65.25

I C A Universal Adapters

Adapters have all terminals brought out for rapid connections.

C11630	4-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 1/4" apart. 3 3/4" overall height, 2 1/4" deep.

No.	Mfd.	D.C. Volts	Each
C4144	.0001	12,500	\$3.53
C4145	.00025	12,500	3.88
C4154	.0005	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

"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.	Stock No.	Your Cost	Cap.
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			

"TLA" DYKANOL "A" Filter Capacitors

In Sealed aluminum containers 4 1/2 x 1 1/2" (2 mfd. 600 v. and 1 mfd. 1000 v. are 2 1/2" 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

"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.t.g. bracket. May be mounted in any position.



No.	Mfd.	Wkg. V.	Dimen.	Each
C2962	2	600	2 1/2 x 2	\$2.35
C2963	4	600	2 1/2 x 2	3.17
C2964	1	1000	1 1/2 x 2	1.94
C2965	2	1000	2 1/2 x 2	2.65
C2966	4	1000	3 1/2 x 2	3.35
C2967	1	1500	2 1/2 x 2	2.47
C2968	2	1500	3 1/2 x 2	3.35
C2969	1	2000	3 1/2 x 2	3.18
C2970	2	2000	4 1/2 x 2	3.53
C2971	4	2000	4 3/4 x 3	4.94
C2972	1	3000	3 1/2 x 3	6.35
C2973	2	3000	5 1/2 x 3	7.64

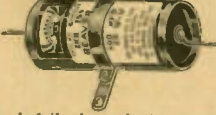
"FA" High Capacity Low Voltage Units



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 3/4 x 3 1/4	\$1.76
C2561	1500	12	1 3/4 x 4	2.12
C2562	2000	12	1 3/4 x 4	2.29
C2563	1000	18	1 3/4 x 3 1/4	2.12
C2564	2000	18	1 3/4 x 4	2.82
C2565	2000	25	1 3/4 x 4 1/4	4.23
C2566	1000	35	1 3/4 x 4 1/4	2.82

"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	1 1/2 x 1 1/2	\$0.53
C2568	500	6	1 1/2 x 2 1/2	.88
C2569	1000	6	1 1/2 x 2 1/2	1.23
C2573	1500	6	1 1/2 x 2 1/2	1.59
C2574	2000	6	1 1/2 x 2 1/2	1.94
C2575	100	12	1 1/2 x 1 1/2	.59
C2577	500	12	1 1/2 x 2 1/2	1.06
C2578	100	15	1 1/2 x 2 1/2	.62
C2579	100	25	1 1/2 x 2 1/2	.65
C2583	500	25	1 1/2 x 2 1/2	1.59
C2584	100	50	1 1/2 x 2 1/2	.71

"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. Shng. wt. 1 lb.



No.	Mfd.	Wkg. V.	Ht.	Each
C2994	1	600	2 1/4	\$2.47
C2995	2	600	2 3/4	3.00
C2996	4	600	3 1/8	3.88
C2997	8	600	3 1/8	5.64
C2998	1	1000	2 1/4	2.65
C2999	2	1000	4	3.53
C3004	4	1000	4 1/2	4.41
C2958	8	1000	4 1/2	6.35
C2959	10	1000	4 1/2	7.06
C2999	1	1500	4	3.18
C3000	2	1500	4 1/2	4.41
C3005	4	1500	4 1/2	5.88
C2960	8	1500	4 1/2	8.82
C3001	1	2000	3 3/4	3.88
C3003	2	2000	4	4.59
C3021	4	2000	3 3/4	6.35
C3019	1	3000	3 3/4	8.53
C3020	2	3000	4 1/2	10.58
C3022	2	5000	6	22.64

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.

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—3 1/2" Square

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 1/2 x 3/4"; type 5W (fig. B) are only 1/8 x 1 1/8". 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

CORNELL-DUBILIER X'mitting Mic

Type 4 Moulded in bakelite; mechanically strong; special impregnation; high insulation resistance. Type 9 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				Type 9			
600 V. Wkg. 1000 V. Test				600 V. Wkg. 1000 V. Test			
Stock No.	Cap. Mfd.	C.D. No.	Your Cost	Stock No.	Cap. Mfd.	C.D. No.	Your Cost
C4156	.00005	4-14050	\$0.50	C4200	.00005	9-14050	\$0.44
C4157	.0001	4-13010	.35	C4201	.0001	9-13010	.44
C4158	.0002	4-13020	.35	C4202	.00025	9-13025	.44
C4159	.00025	4-13025	.35	C4203	.0005	9-13050	.44
C4160	.0005	4-13050	.35	C4204	.001	9-12010	.44
C4161	.001	4-12010	.38	C4205	.002	9-12020	.47
C4162	.002	4-12020	.41	C4206	.01	9-11010	1.00
C4163	.006	4-12060	.62	C4207	.02	9-11020	1.32
C4164	.01	4-11010	.82	C4208	.03	9-11030	1.76
C4165	.02	4-11020*	1.12	C4209	.04	9-11040	2.29
C4166	.03	4-11030*	1.25	C4210	.05	9-11050†	2.73

1200 V. Wkg. 2500 V. Test				1200 V. Wkg. 2500 V. Test			
Stock No.	Cap. Mfd.	C.D. No.	Your Cost	Stock No.	Cap. Mfd.	C.D. No.	Your Cost
C4168	.0001	4-23010	\$0.50	C4183	.0001	9-23010	\$0.50
C4169	.00025	4-23025	.50	C4184	.00025	9-23025	.50
C4170	.0005	4-23050	.50	C4185	.0005	9-23050	.50
C4171	.001	4-22010	.65	C4186	.001	9-22010	.65
C4172	.002	4-22020*	.97	C4187	.002	9-22020	.97
C4173	.005	4-22050*	1.23	C4188	.005	9-22050	1.23
C4174	.01	4-21010*	2.00	C4189	.01	9-21010	2.00
				C4190	.02	9-21020†	2.79
				C4191	.03	9-21030†	3.26

2500 V. Wkg. 5000 V. Test				2500 V. Wkg. 5000 V. Test			
Stock No.	Cap. Mfd.	C.D. No.	Your Cost	Stock No.	Cap. Mfd.	C.D. No.	Your Cost
C4175	.0001	4-53010	\$0.65	C4211	.0001	9-53010	\$0.65
C4176	.0002	4-53020	.76	C4212	.00025	9-53025	.76
C4177	.00025	4-53025	.76	C4213	.0005	9-53050	.88
C4178	.0005	4-53050	.91	C4214	.001	9-52010	1.06
C4179	.001	4-52010	1.06	C4215	.002	9-52020	1.59
C4180	.002	4-52020*	1.59	C4216	.004	9-52040	2.23
C4181	.004	4-52040*	2.23	C4217	.005	9-52050	2.41
C4182	.005	4-52050*	2.41	C4218	.01	9-51010†	2.91

Type 15L Mic				Type 6 Mic			
Standard Capacity Tolerance ±5%				Standard Capacity Tolerance ±5%			
Stock No.	C.D.	Cap. Mfd.	Test V. Your Cost	Stock No.	C.D.	Cap. Mfd.	Test V. Your Cost
C4225	583-15L	.0001	3000 \$6.35	C4219	321-6	.0001	5000 \$8.47
C4226	582-15L	.0002	3000 6.35	C4220	364-6	.00025	5000 8.47
C4227	641-15L	.0004	3000 6.35	C4221	272-6	.0005	5000 8.47
C4228	642-15L	.0005	3000 6.35	C4222	246-6	.001	5000 8.47
C4229	581-15L	.001	3000 6.35	C4223	217-6	.002	6000 8.47
C4230	726-15L	.002	3000 6.35	C4224	173-6	.005	2000 8.47
C4231	699-15L	.004	3000 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				

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



Type MGT 6250-1.25 Mfd. 660 V. A.C.—2000 V. D.C. Peak.

Y2581—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 6AF6. Indicates power factor, shorts, etc. In Walnut bakelite case, dim.: 3 3/4 x 5 x 3". With test leads and instructions, but less tubes. For 110 V. 60 cycles. Wt. 4 lbs.

C21728—Each \$11.64

To expedite delivery on your orders, please include highest priority.

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 In.	Your Cost
C1295	4	1 x 2 1/4	62c
C1296	8	1 x 2 1/2	76c
C1297	12	1 x 2 1/2	\$1.00
C1298	16	1 x 3 1/4	1.12
C1299	4-8	1 1/2 x 3	1.03
C1300	8-8	1 1/2 x 3	1.15
C1354	8-16	1 1/2 x 4 1/2	1.35
C1302	8-8-8	1 1/2 x 4 1/2	1.65

600 Volts D.C. Working

Stock No.	Cap. Mfd.	Size In.	Your Cost
C1050	8	1 1/2 x 4 1/2	\$1.85
C1051	16	1 1/2 x 4 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 x 3 1/4	\$0.68
C1053	20	1 1/2 x 4	.97
C1056	40	1 1/2 x 4	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	1 x 2	\$0.53
C1151	20	450	1 x 2	.79
C1152	40	450	1 x 3	1.15
C1153	20-20	150	1 x 2	.71
C1154	30-30	150	1 x 2	.79
C1149	50-50	150	1 x 3	.94
C1155	20-20	250	1 x 2	.79
C1156	10-10	450	1 x 2	.85
C1209	50-50/20	150/25	1 x 3	1.03
C1160	10-10/20	450-350/25	1 x 2	.85

"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 x 1 x 3/8	\$0.47
C1278	.25	1 1/2 x 1 x 3/8	.53
C1279	.5	1 1/2 x 1 x 3/8	.68
C1342	1.0	2 x 1 1/2 x 3/8	.88
C1343	2.0	2 x 2 x 1	1.12
C1344	1-1	1 1/2 x 1 x 3/8	.59
C1345	.25-25	2 x 1 1/2 x 3/8	.71
C1346	.5-5	2 x 1 1/2 x 3/8	.88

600 Volts D.C. Wkg.

C1348	.5	2 x 1 1/2 x 3/8	.85
C1350	1.0	2 x 2 x 1 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	5/8 x 1 1/8	29c	C1104	40	150	3/8 x 2	50c
C1091	20	25	5/8 x 1 1/8	32c	C1105	4	250	5/8 x 1 1/8	32c
C1092	25	25	5/8 x 1 1/8	35c	C1106	8	250	5/8 x 1 1/8	35c
C1093	50	25	5/8 x 1 1/8	44c	C1107	12	250	5/8 x 2	47c
C1094	5	50	5/8 x 1 1/8	29c	C1108	16	250	5/8 x 1 1/8	53c
C1095	10	50	5/8 x 1 1/8	32c	C1109	20	250	5/8 x 1 1/8	59c
C1096	20	50	5/8 x 1 1/8	35c	C1110	40	250	5/8 x 2 1/2	68c
C1097	25	50	5/8 x 1 1/8	41c	C1111	4	450	5/8 x 1 1/8	41c
C1098	50	50	5/8 x 1 1/8	50c	C1112	8	450	5/8 x 2	44c
C1099	4	150	5/8 x 1 1/8	29c	C1113	12	450	3/8 x 2	53c
C1100	8	150	5/8 x 1 1/8	32c	C1114	16	450	5/8 x 2 1/2	65c
C1101	12	150	5/8 x 1 1/8	35c	C1115	20	450	1 x 2 1/2	71c
C1102	16	150	5/8 x 1 1/8	41c	C1055	30	450	1 x 3	85c
C1103	20	150	5/8 x 1 1/8	44c	C1116	8	500	3/8 x 1 1/8	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	5/8 x 1 1/8	44c	C1124	20-20	150	3/8 x 2 1/2	76c
C1119	10-10	25	5/8 x 1 1/8	50c	C1125	8-16	250	3/8 x 2 1/2	76c
C1120	5-5	50	5/8 x 1 1/8	53c	C1126	16-16	250	1 x 2 1/2	88c
C1121	10-10	50	5/8 x 2 1/2	59c	C1127	8-8	450	1 x 2 1/2	76c
C1122	8-8	150	5/8 x 2 1/2	59c	C1128	8-16	450	1 1/2 x 3 1/4	97c
C1123	8-16	150	1 1/2 x 2 1/2	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 In.	Each
C3768	1	600	3 1/4 x 1 x 2 3/8	\$2.20
C3769	2	600	4 1/2 x 1 x 2 3/8	2.70
C3770	4	600	4 1/2 x 1 1/2 x 3 1/8	3.47
C3753	1	1000	3 1/2 x 1 x 2 3/8	2.35
C3754	2	1000	5 1/2 x 1 x 2 3/8	3.18
C3755	4	1000	5 1/2 x 1 1/2 x 3 1/8	3.97
C3756	1	1500	5 1/2 x 1 x 2 3/8	2.85
C3757	2	1500	5 1/2 x 1 1/2 x 3 1/8	3.97
C3758	4	1500	5 1/2 x 1 1/2 x 4 1/8	5.41
C3759	1	2000	4 1/2 x 1 1/2 x 3 1/8	3.50
C3760	2	2000	5 1/2 x 1 1/2 x 4 1/8	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 3 1/2 x 5	9.53
C3653	4	3000	6 1/2 x 4 1/2 x 5	13.99

SANGAMO X'mitting Micacs

For low and high power transmitters, power supplies, power amplifiers, etc. Employ the finest ruby mica dielectric. Completely cast in molded bakelite housings with tapped 6/32 screw terminals on each end. Size: 1 1/2" long, 1/2" thick and 1 1/8" wide (varies slightly with capacitance).

Mfd. No.	600 Volts Wkg. Each	1200 Volts Wkg. Each	2500 Volts Wkg. 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 Micacs

Cap. Mfd.	00005	0001	00025	0005	001	002	005	006	01	02
1000 V. Each	C3600 32c	C3609 32c	C3610 32c	C3602 32c	C3603 35c	C3604 38c	C3606 50c	C3607 56c	C3608 65c	C3624 \$1.47
2500 V. Each	C3609 44c	C3610 44c	C3611 44c	C3602 47c	C3603 53c	C3614 62c	C3625 \$1.00			
5000 V. Each	C3617 44c	C3618 44c	C3619 47c	C3620 56c	C3621 65c	C3622 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, multi-laminated Kraft tissues, Wax impregnated tube, wax-potted ends, oil-cooled Conservative DC rating.

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.

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.

C1262	.005	27c	C1269	.03	27c
C1264	.007	27c	C1270	.04	29c
C1266	.01	27c	C1271	.05	32c
C1268	.02	27c			

Oil impregnated units especially designed for auto radio use.

"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	1 1/2 x 2 1/2	.44
C1328	16	450	1 1/2 x 2 1/2	.65

Dual Units, Common Neg.

C1215	30-30	150	1 x 2 1/2	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

C1217	16-16	250	1 1/2 x 3 1/2	1.18
C1218	16-16	350	1 1/2 x 4	1.29
C1329	8-8	450	1 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.

C1258	24-16, 20	150, 25	1 x 3	1.03
C1332	30-10, 20	150, 25	1 x 3	1.03
C1259	40-20, 20	150, 25	1 1/2 x 3	1.06
C1333	30-20, 10	150	1 1/2 x 2 1/2	1.06
C1260	40-20, 20	150	1 1/2 x 3	1.13
C1261	15-10, 20	350, 25	1 1/2 x 3 1/2	1.13
C1335	20-10			

AEROVOX Dependable Quality CONDENSERS



"09" Series
Compact high voltage units hermetically sealed in welded steel cans. "Hvyl" 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 1/2 x 1 1/2 x 1 1/2	3.00
C4528	4	600	3 x 2 1/2 x 1 1/2	3.88
C4529	1	1000	2 1/2 x 1 1/2 x 1 1/2	2.65
C4530	2	1000	3 7/8 x 1 1/2 x 1 1/2	3.53
C4531	4	1000	4 x 2 1/2 x 1 1/2	4.41
C4532	1	1500	4 x 1 1/2 x 1 1/2	3.17
C4533	2	1500	4 x 2 1/2 x 1 1/2	4.41
C4534	4	1500	4 x 3 1/2 x 1 1/2	6.00
C4535	1	2000	3 1/2 x 2 1/2 x 1 1/2	3.88
C4536	2	2000	3 7/8 x 2 1/2 x 1 1/2	4.59
C4826	4	2000	3 7/8 x 3 1/2 x 2 1/2	6.35
C4830	2	2500	4 x 3 1/2 x 1 1/2	9.17
C4825	2	3000	4 x 3 1/2 x 3 1/2	10.58



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 1/2"	3.65

*2 1/2" wide.

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. 1/2" 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 1/2	\$1.23
C3638	.25	1 1/2 x 1 1/2 x 1 1/2	1.29
C3639	.5	2 1/2 x 1 1/2 x 1 1/2	1.38
C3640	1.0	2 x 2 1/2 x 1 1/2	1.59

Dual Section			
Stock No.	Cap. Mfd.	Size Inches	Your Cost \$
C3641	1-1	1 1/2 x 1 1/2 x 1 1/2	\$1.56
C3642	.25-25	2 x 1 1/2 x 1 1/2	1.59
C3643	.5-5	2 x 2 1/2 x 1 1/2	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	Cap.	Size	Your Cost
Type 416	400V. D.C. Wkg.		
Stock No.	Mfd.	D x W x H"	Cost
C3629	.25	1 1/2 x 1 1/2 x 1 1/2	\$1.35
C3630	.5	1 1/2 x 1 1/2 x 2 1/2	1.38
Type 616	600V. D.C. Wkg.		
C3633	.1	1 1/2 x 1 1/2 x 1 1/2	\$1.35
C3634	.25	1 1/2 x 1 1/2 x 1 1/2	1.38
C3635	.5	1 1/2 x 1 1/2 x 2 1/2	1.41
Type 1016	1000V. D.C. Wkg.		
C3627	.05	1 1/2 x 1 1/2 x 1 1/2	\$1.32
C3628	.1	1 1/2 x 1 1/2 x 1 1/2	1.38
C3631	.25	1 1/2 x 1 1/2 x 1 1/2	1.41
C3632	.5	1 1/2 x 1 1/2 x 2 1/2	1.53



"05" Series
"Hvyl" 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 conservatively rated.

Stock No.	Cap. Mfd.	Wkg. Vts.	Size In.	Your Cost
C4819	1.0	600	2 x 2 1/2	\$1.76
C4820	2.0	600	2 x 2 1/2	2.29
C4821	4.0	600	2 x 3 1/2	3.17
C4793	1.0	1000	2 x 5 1/2	1.94
C4794	2.0	1000	2 x 5 1/2	2.65
C4795	4.0	1000	2 1/2 x 5 1/2	3.35
C4796	1.0	1500	2 x 5 1/2	2.47
C4797	2.0	1500	2 x 5 1/2	3.35
C4822	4.0	1500	2 1/2 x 5 1/2	4.23
C4798	1.0	2000	2 x 4 1/2	3.17
C4799	2.0	2000	2 x 5 1/2	3.53
C4827	1.0	2500	2 x 5 1/2	4.23
C4828	2.0	2500	2 1/2 x 5 1/2	7.06
C4823	1.0	3000	2 1/2 x 5 1/2	6.35
C4561	2.0	3000	3 x 5 1/2	7.76

AEROVOX "10" Series

Hvyl 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

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



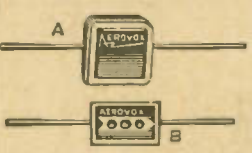
Non-inductively wound paper tubulars. Fully wax impregnated. All have pigtail wire leads.

400 Volts Working			
No.	Mfd.	Each	No. Mfd. Each
C4731	.01		C4737 .1 15c
C4733	.02		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		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		C4774 .02 24c
C4768	.003		C4776 .05 26c
C4769	.005		C4778 .1 35c
C4770	.006		

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	Cap.	Size	Your Cost
Type 1469—Fig. B, 1/2 x 1 1/2"			
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, 2 1/2" 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.

Type 1450 Micacs



High quality bakelite cased micacs, all 1 1/2" 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 uncase 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
C3412	1	2 x 1 1/2 x 1 1/2 53c	C3414	1	3 1/2 x 1 1/2 x 1 1/2 65c
C3413	2	3 1/2 x 1 1/2 x 1 1/2 82c	C3415	2	3 1/2 x 1 1/2 x 1 1/2 97c

VIBRATOR TUBULARS

Paper type, rated at 1600 volts wkg.

No.	Mfd.	Size	Each	No.	Mfd.	Size	Each
C4779	.01	1 1/2 x 1 1/2	27c	C4782	.04	1 1/2 x 2	29c
C4780	.02	1 1/2 x 2	27c	C4783	.05	1 1/2 x 2	32c
C4781	.03	1 1/2 x 2	29c				



Oil Filled and Oil Impregnated Tubulars
2000 volts wkg. Ideal for vibrators and xmitters.

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 Midget Micacs



1000 V. Test, 500 V. Wkg.
Type 1467 (A) "Postage Stamp" Micacs only 3/4" square. Bakelite case. Type 1468 (B) ultra-thin units in bakelite cases only 1/2 x 1/2".

"A"		"B"		"A"		"B"	
No.	Mfd.	Each	No.	Mfd.	Each	No.	Mfd.
.....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.

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	Replaces	Actual	Dim.	Your Cost
No.	Mfd.	Cap. Mfd.	In.	In.	Cost
C5065	4		1 1/2"	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.					
C5068	4		2	1 1/2 x 1 1/2	.85
C5069	8		3	1 1/2 x 1 1/2	1.15

AEROVOX Dependable Quality CONDENSERS

Prong-Base Midget Condensers



Compact, economical and easily mounted dry electrolytics. Have base prongs which slip into elliptic washer riveted or eyeletted on chassis. Fibre washer for insulated can; metal for grounded can. Metal and bakelite washers supplied. Can neg. Type F.

No.	Mfd.	W.V.	DxH	Each
C5022	10	450	1x2	\$0.53
C5023	20	450	1x2	.79
C5021	30	450	1x3	.97
C5024	40	450	1x3	1.15
C5025	10-10	450	1x2	.85
C5026	10-10-10	450	1x3	1.12
C5027	20-20	450	1x3	1.18
C4586	80	400	1 1/2 x 2	1.73
C5028	10-10	250	1x2	.76
C5029	20-20	250	1x2	.79
C5030	30-30	150	1x2	.71
C5031	30-30	150	1x2	.79
C5032	30	150	1x2	.50
C5033	10-10	450	1x3	.94
	20	25		
C4590	30-20	150	1x2	.82
	20	25		
C4567	15-15	250	1x2	.79
	20	25		

"Adjustimount" Midget Dry Electrolytics



Feature "adjustimount" swivel mounting bracket with slotted holes. Mounts flat, upright, singly or stacked. Two separate leads for each section. Wax impregnated.

Type PBS600—High Surge 600 Volts DC Working

No.	Mfd.	D.W.L.	Each
C4501	4	1 1/2 x 1 1/2 x 2 1/8	\$1.23
C4502	8	1 1/2 x 1 1/2 x 3 1/8	1.73

Type PBS450—525 Volts Surge 450 V. DC Working

Stock No.	Cap. Mfd.	Size—Ins.	Your Cost
C4633	2	1 1/2 x 1 1/2 x 2 1/8	\$0.47
C4634	4	1 1/2 x 1 1/2 x 2 1/8	.53
C4635	8	1 1/2 x 1 1/2 x 2 1/8	.68
C4636	10	1 1/2 x 1 1/2 x 2 1/8	.82
C4637	12	1 1/2 x 1 1/2 x 2 1/8	.94
C4495	16	1 1/2 x 1 1/2 x 2 1/8	1.03

Type PBS450—525 Volts Surge 450 V. DC Working

No.	Mfd.	Size—Ins.	Your Cost
C4644	4-4	1 1/2 x 1 1/2 x 2 1/8	\$0.85
C4645	8-8	1 1/2 x 1 1/2 x 2 1/8	1.06
C4491	8-16	1 1/2 x 1 1/2 x 2 1/8	1.35
C4650	8-8-8	1 1/2 x 1 1/2 x 2 1/8	1.56

Filter Capacitor

Type SIC-510-M-6EU. 3x2 mfd., 4000 D.C. working volts and 8,000 test voltage. 4 1/2 x 5 1/2 x 2 3/8".



C2320—Your Cost \$8.32

CA-355 Capacitor

Container hermetically sealed 2.0-0.5-0.3MFD. 200 DC Working Volts. Dim. 2 1/2 x 1 1/2 x 2 1/8". Meets requirements of U.S. Signal Corps specifications 71-516

C2321—Your Cost \$1.56
CA-255 capacitor. Same construction as above. 3x1 MFD. 600 V. D.C. 1 1/2 x 2 1/8 x 1 1/2".
C2322—Your Cost \$1.61

"DANDEE" Ultra-Compact Tubular Dry Electrolytics—Type PRS



Space saving, yet full-rated capacity and voltage. Ideal for midgets, AC-DC and auto radios where maximum capacity and working voltage required in minimum space. Varnished paper insulating jacket over can. Dual units (Type PRS-A) have two leads plus common negative riveted center mounting strap.

Stock No.	Cap. Mfd.	Volts	Size Ins.	Your Cost
C700	10	25	1 1/2 x 1 1/8	\$0.29
C701	25	25	1 1/2 x 1 1/8	.35
C5050	50	25	1 1/2 x 1 1/8	.44
C5051	100	25	1 1/2 x 1 1/8	.65
C702	10	50	1 1/2 x 1 1/8	.32
C703	25	50	1 1/2 x 1 1/8	.41
C5052	50	50	1 1/2 x 1 1/8	.50
C5053	100	50	1 1/2 x 1 1/8	.71
C741	4	150	1 1/2 x 1 1/8	.29
C742	8	150	1 1/2 x 1 1/8	.32
C748	12	150	1 1/2 x 1 1/8	.35
C749	16	150	1 1/2 x 1 1/8	.41
C750	24	150	1 1/2 x 1 1/8	.44
C751	30	150	1 1/2 x 1 1/8	.47
C752	40	150	1 1/2 x 1 1/8	.47
C718	4	250	1 1/2 x 1 1/8	.32
C723	8	250	1 1/2 x 1 1/8	.35
C724	12	250	1 1/2 x 1 1/8	.47
C725	16	250	1 1/2 x 1 1/8	.53
C726	4	350	1 1/2 x 2 1/8	\$0.35
C737	8	350	1 1/2 x 2 1/8	.41
C738	12	350	1 1/2 x 2 1/8	.50
C739	16	350	1 1/2 x 2 1/8	.59
C5054	24	350	1 1/2 x 2 1/8	.65
C753	4	450	1 1/2 x 1 1/4	.41
C754	8	450	1 1/2 x 1 1/4	.44
C755	12	450	1 1/2 x 1 1/4	.53
C756	16	450	1 1/2 x 1 1/4	.65
C5055	20	450	1 1/2 x 1 1/4	.71
C704	10-10	50	1 1/2 x 2 1/8	.59
C5056	10-10	25	1 1/2 x 2 1/8	.50
C5057	8-8	150	1 1/2 x 2 1/8	.59
C5058	8-16	150	1 1/2 x 2 1/8	.62
C5059	20-20	150	1 1/2 x 2 1/8	.76
C5060	8-8	200	1 1/2 x 2 1/8	.68
C5061	8-16	200	1 1/2 x 2 1/8	.68
C5062	16-16	200	1 1/2 x 2 1/8	.76
C5063	8-8	450	1 1/2 x 2 1/8	.76
C5064	8-16	450	1 1/2 x 2 1/8	.94

4-Lead Dual-Section "DANDEES" Type PRS-B

Featuring separate sections with separate leads, reduced size. Smallest midget electrolytics on the market. Same high quality.

No.	Mfd.	Volts	Size	Each
C5034	20-20	150	1x2 1/2	\$0.97
C5035	16-16	250	1x2 1/2	1.18
C5036	8-8	450	1x2 1/2	\$0.97
C5037	8-16	450	1x2 1/2	1.35

Plug-In Electrolytics



Type AEP: Quick change dry electrolytics. Facilitate testing and replacement in equipment where continuity of service is important. Install merely by plugging into a standard octal socket. Aluminum internal construction. Can replace wet electrolytics providing surge voltage does not exceed 525 volts.

Type AEP-45025 (1 1/2 x 2 1/8")

Metal Can Dry—Insulated or Grounded Types



Type I-450—Insulated dry electrolytic. Negative lug on can.

Type G-450—Can negative. Both types 450 V. wkg. (525 V.P.); 1/2" bushing; 1 1/2" dia.

I-450 No.	G-450 No.	Cap. Mfd.	Ht. In.	Your Cost
C4660	C4509	8	3 1/4	\$0.76
C4661	C4510	12	4 1/4	1.00
C4662	C4511	16	4 3/4	1.12

Type AEP-450 450 V. D.C. Wkg. 525 V. Surge

Stock No.	Cap. Mfd.	Size In.	Your Cost
C5014	10	1 1/2 x 2 1/8	\$0.88
C5015	20	1 1/2 x 2 1/8	1.23
C5016	40	1 1/2 x 2 1/8	2.18
C5017	80	1 1/2 x 2 1/8	3.00
C5018	10-10	1 1/2 x 2 1/8	1.38
C5019	20-20	1 1/2 x 2 1/8	1.94
C5020	10-10-10	1 1/2 x 2 1/8	1.88

Type AEP-45025 (1 1/2 x 2 1/8")

No.	Mfd.	Wkg. V.	Each
C5013	10-10/20	450 25	\$1.88

Cardboard Drys

With Adjustimount brackets. 8" leads. Wax impregnated.

Type P450—2 Leads 525 V. Peak—450 V. D.C. Wkg.

No.	Mfd.	Size—Ins.	Each
C4671	4	3 1/2 x 1 1/2 x 4 1/2	\$0.53
C4672	8	1 1/2 x 1 1/2 x 4 1/2	.68
C4673	16	1 1/2 x 1 1/2 x 4 1/2	1.03

3 Leads—Corn. Neg.

No.	Mfd.	Size—Ins.	Each
C4674	4-4	1 1/2 x 1 1/2 x 4 1/2	\$0.85
C4675	8-8	1 1/2 x 1 1/2 x 4 1/2	1.06

Inverted Dry Electrolytics



Screw-mount inverted dry electrolytics. Supplied with lock-washer nut, 3/4" screw bushing. All have two 8" color-coded leads per section for terminals. Available in single, double and triple section units. Insulated large size can.

Type GL-600—Single Section 800 V. Peak—600 V. D.C. Wkg.

No.	Mfd.	Dia.—Ht.	Each
C4516	4	1 1/2 x 4 1/2	\$1.32
C4517	8	1 1/2 x 4 1/2	1.85

Type GL-450—Single Section 525 V. Peak—450 V. D.C. Wkg.

No.	Mfd.	Size—Ins.	Each
C4651	4	1 1/2 x 3	\$0.62
C4652	8	1 1/2 x 3	.76
C4653	12	1 1/2 x 4	1.00
C4654	16	1 1/2 x 4	1.12
C4577	20	1 1/2 x 4	1.23
C4679	30	1 1/2 x 4	1.71
C4580	40	1 1/2 x 4	2.18
C4572	80	1 1/2 x 4	3.00

Type 2GL-450—Double Section 525 V. Peak—450 V. D.C. Wkg.

No.	Mfd.	Size—Ins.	Each
C4655	4-4	1 1/2 x 4	\$0.94
C4656	8-8	1 1/2 x 4	1.15
C4686	8-16	1 1/2 x 4	1.41
C4573	10-10	1 1/2 x 4	1.38
C4574	16-16	1 1/2 x 4	1.65
C4575	20-20	1 1/2 x 4	1.94

Type 3GL-450—Triple Section 525 V. Peak—450 V. D.C. Wkg.

No.	Mfd.	Size—Ins.	Each
C4657	4-4-4	1 1/2 x 3	\$1.35
C4658	8-8-8	1 1/2 x 4	1.71
C4578	10-10-10	1 1/2 x 4	1.88

Type GLS-450—Single Section 525 V. Peak—450 V. D.C. Wkg.

No.	Mfd.	Size—Ins.	Each
C4663	4	1x2 1/2	\$0.62
C4664	8	1x2 1/2	.76
C4665	12	1x3 1/2	1.00
C4666	16	1x3 1/2	1.12
C4518	8-8	1 1/2 x 3	1.15

Universal Mounting Dry Electrolytics

Multiple units consisting of separate sections with common negative grounded to can. Self-heating; surge proof. Complete with mounting rings for universal mounting. Exact replacement for many of the older sets (Sparton, Zenith, etc.) Shpg. wt. 2 lbs.

Type E-450—Multiple Section 525 V. Surge—450 V. D.C. Wkg.

No.	Mfd.	Size—Ins.	Each
C4630	8-8	2 1/2 x 4 1/2	\$1.29
C4494	5-15	2 1/2 x 4 1/2	1.65
C4631	8-8-8	3 x 4 1/2	1.91
C4632	9-9-18	3 x 4 1/2	2.65

TOBE CAPACITORS

Type DP Capacitors

Molded oil-impregnated paper condenser, physically and electrically interchangeable with the majority of mica capacitors used in the by-pass and coupling circuits of radio and radar equipment. High grade Kraft tissue and aluminum foil. Bakelite case meets Army and Navy seal requirements for water immersion. Dimensions: 1 1/2 x 1 1/2 x 1 1/4".



Stock No.	Cap. Mfd.	Wkg. Volts	Your Cost
C2307	.001	600	41c
C2308	.002	600	41c
C2309	.005	600	41c
C2310	.006	600	41c
C2311	.01	600	45c
C2312	.02	600	45c

Oilmite Capacitor

A "long life" capacitor. Lasting stamina is built into all Tobe capacitors through every step in their manufacture and is cross-checked by frequent, rigid inspections. Electrical ratings are always on the conservative side. Oilmite capacitors are hermetically sealed. Meets Army and Navy seal requirements for water immersion. 5-5 Mfd. 400 V. D.C. Overall dimensions: 3 1/2 x 2 3/8 x 1 1/4".



Type	RAL 300.	Your Cost
C2314		\$6.60
Type RAL-302.	Same as above.	
5-5 Mfd. 400 V. D.C.		
C2315		\$8.75
Your Cost		

Plug-in Capacitor

Type PT-SC-2 Filtermite. Passes all required Army and Navy immersion tests. Low power factor. Capacity: 8-8 mfd. Resistance: 2000 megohms per mfd. Voltage: 600 volts DC continuous working. Individually tested at 1800 volts D.C. 3 1/2 x 2 x 3 1/4".



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 1/2	31c
C3346	4	4 x 1 1/2	40c
C3348	8	4 x 1 1/2	46c
C3349	10	4 x 1 1/2	62c
C3350	12	4 x 1 1/2	70c
C3352	16	4 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"	64c
C3339	4-8	1 1/2 x 1 1/2"	79c
C3342	8-8	1 1/2 x 1 1/2"	79c
C3366	8-8-8	2 x 1 1/2"	51.17

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	1/2 x 1/2 x 2 1/2"	\$0.35
C3259	4	1/2 x 1/2 x 2 1/2"	.40
C3265	8	1/2 x 1/2 x 2 1/2"	.51
C3266	10	1/2 x 1/2 x 2 1/2"	.62
C3267	12	1/2 x 1/2 x 2 1/2"	.70
C3268	16	1/2 x 1/2 x 2 1/2"	.77
C3273*	4-4	1 1/2 x 1 1/2 x 2 1/2"	.64
C3274*	8-8	1 1/2 x 1 1/2 x 2 1/2"	.79
C3303	8-8-8	1 1/2 x 1 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.

Trutest "Mites" Ultra Compact Dry Electrolytic Condensers

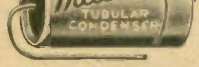


Ultra compact units that can be used in a large percentage of radio repair requirements. Especially well suited for use in a.c.-d.c. midgets, and wherever space is limited. Self-supporting wire leads are permanently attached to the end plates. All have cardboard outer sleeves. Conservatively rated.

Stock No.	Cap. Mfd.	Wkg. V.	Size In.	Your Cost	Stock No.	Cap. Mfd.	Wkg. V.	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"	27c	C767	8	450	1 1/2 x 1 1/2"	32c
C3275	5	50	5/8 x 1 1/2"	24c	C768	12	450	1 1/2 x 1 1/2"	40c
C3276	10	50	5/8 x 1 1/2"	26c	C788	16	450	1 1/2 x 1 1/2"	48c
C759	25	50	5/8 x 1 1/2"	30c	C789	20	450	1 1/2 x 1 1/2"	53c
C3277	50	50	5/8 x 1 1/2"	37c	C790*	10-10	50	5/8 x 2 3/4"	43c
C760	4	150	1 1/2 x 1 1/2"	22c	C3285*	8-8	150	1 1/2 x 2 3/4"	44c
C761	8	150	1 1/2 x 1 1/2"	24c	C3286*	12-20	150	1 1/2 x 2 3/4"	51c
C762	12	150	1 1/2 x 1 1/2"	26c	C3287*	20-20	150	1 1/2 x 2 3/4"	55c
C763	16	150	1 1/2 x 1 1/2"	30c	C791*	12-12	200	1 1/2 x 2 3/4"	51c
C764	20	150	1 1/2 x 1 1/2"	32c	C792*	8-16	300	1 1/2 x 2 3/4"	51c
C3278	30	150	1 1/2 x 1 1/2"	35c	C793*	16-16	200	1 1/2 x 2 3/4"	55c
C765	40	150	1 1/2 x 1 1/2"	35c	C3288*	8-16	250	1 1/2 x 2 3/4"	58c
C3279	4	250	1 1/2 x 1 1/2"	24c	C794*	8-8	450	1 x 2 3/4"	53c
C3280	8	250	1 1/2 x 1 1/2"	27c	C3289*	8-16	450	1 x 2 3/4"	72c
C3281	12	250	1 1/2 x 1 1/2"	35c	C3290†	20-20	150	1 x 2 3/4"	73c
C3282	16	250	1 1/2 x 1 1/2"	40c	C3294†	16-16	250	1 x 2 3/4"	88c
C3283	20	250	1 1/2 x 1 1/2"	44c	C3296†	8-8	450	1 1/2 x 3 3/4"	73c
C3284	40	250	1 1/2 x 2 3/4"	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.	Wkg. V.	Your Cost	Stock No.	Cap. Mfd.	Wkg. V.	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 Bath Tub 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



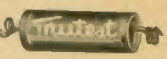
* Good Quality * Long Life
Tiny mica condensers in molded bakelite housings. Provided with pigtail wire leads.

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 3/8 x 1/8".

High Voltage Oil Impregnated Tubulars



Non-inductive. Extreme 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. V.	Size D.-L.	Your Cost
C3250	.002	1500	1 1/2 x 1 1/2"	\$0.24
C3251	.005	1500	1 1/2 x 1 1/2"	.24
C3252	.01	1500	1 1/2 x 1 1/2"	.37
C3253	.02	1500	1 1/2 x 1 1/2"	.40
C3254	.05	1000	1 1/2 x 2 1/2"	.44
C3257	.1	1000	1 1/2 x 2 1/2"	.48

SPECIAL CONDENSER VALUES!

Oil-Filled Bath Tub Condensers



5-5 Mfd. oil filled hermetically sealed bathtub condenser with elements insulated from case. Center terminal is common. Size 1 1/2 x 1 1/2 x 2 1/2" overall including lugs on top of can. Mtg. centers 2 1/2".
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. 300 Volts A.C. Size: 2" diam. 1 1/2" 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" x 2 1/4". 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 paint 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 3/8 x 3 1/2". Mounting nut supplied.



Stock No.	Cap. Mfd.	Your Cost
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

Paper Tubulars



Non-inductively wound paper tubulars. Fully wax impregnated. All have pigtail wire leads. Ideal for by-pass and coupling applications. Moisture proof.

No.	Mfd.	Each
C4733	.02	12c
C4754	.02	12c
C4758	.1	18c

Paper Tubular By-Pass Condensers

Fully wax impregnated. All with pigtail wire leads.

No.	Mfd.	Each
C3086	.03	200 Volts. 6c
C3087	.05	200 Volts. 6c
C3088	.2	200 Volts. 6c
C3089	.0005	400 Volts. \$5.50
C3090	.002	400 Volts. per 100
C3093	.005	400 Volts. per 100
C3091	.2	400 Volts. per 100
C3092	Dual	.0005 400 Volts per 100
Each		8c 56.95 per 100



MALLORY CONDENSERS

PR 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	15c
C3818	.2	400	18¢
C3900	.25	400	
C3901	.5	400	26c
C3819	1.0	400	35c
C3902	.0001	600	12¢
C3903	.00025	600	
C3904	.0005	600	
C3905	.001	600	
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	26c
C3915	.5	600	35c
C3823	1.0	600	59c

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	27¢
C4012	.001	
C4013	.002	
C4014	.003	
C4015	.004	
C4060	.005	
C4016	.006	
C4017	.007	
C4018	.008	
C4062	.01	
C4063	.015	EACH
C4064	.02	
C4065	.03	
C4066	.04	29c
C4067	.05	32c
Type OT (2000 V.D.C.)		
No.	Cap. Mfd.	Your Cost
C4021	.0025	4c
C4022	.005	47c
C4023	.0075	50c
C4024	.01	53c
C4026	.015	53c
C4027	.02	59c
C4028	.03	62c
C4029	.04	62c
C4030	.05	65c

MYE Technical Manual



Just released! A practical, simply written book that bridges the gap between theory and practice. Designed for the Serviceman, Engineer, 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	1 1/2 x 2 1/2	\$1.06
C4054	HD683*	8	500(550 P.)	1	2 1/2	1.23
C4037	HS 890†	4	600(700 P.)	1 1/2	1 1/2 x 3	1.23
C4038	HS 891*	4	600(700 P.)	1 1/2	1 1/2 x 3 1/2	1.32
C4057	HS 692†	8	600(700 P.)	1 1/2	1 1/2 x 3	1.73
C4058	HS 693*	8	600(700 P.)	1 1/2	1 1/2 x 4 1/2	1.85



Type FP and WP Compact Dry Electrolytics



These capacitors, long considered standard for metal enclosed 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. Mfd.	Wkg. Volts	Your Cost	Stock No.	Cap. Mfd.	Wkg. Volts	Your Cost
C3790	50	150 2x1"	\$0.68	C3665	20-20	450	3x1" \$1.18
C3656	20	250 3x 3/4"	.50	C3794	(30-30-30)	(40)	(150)(25) 2x1 1/2" \$1.18
C3658	10	450 3x 3/4"	.53	C3795	40-40-40	150	3x1" 1.12
C3659	15	450 2x1"	.71	C3796	(15-15)	(40)	(400)(25) 3x1" 1.18
C3791	30	450 3x1"	.97	C3797	(20-20-20)	(20)	(400)(25) 3x1 1/2" 1.68
C3681	80	450 3x1 1/2"	1.73	C3668	(10-10)	(20)	(450)(25) 2x1" .94
C3661	20-20	150 2x1"	.71	C3767	10-10-10	450	3x1" 1.12
C3662	30-30	150 2x1"	.79	C3768	15-15-15	450	3x1" 1.23
C3792	20-20	300 3x1"	.88	C3673	(15-15-10)	(20)	(450)(25) 2x1 1/2" 1.35
C3793	15-15	400 3x1"	1.03	C3799	(20-20)	(20)	(450)(25) 3x1" 1.23
C3664	10-10	450 2x1"	.85				

Mounting Plates For Above Condensers

For 3/4" dia. cans C3674—Bakelite C3677—Metal } Any Type } **3¢** 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 1/2" o.d. x 4 1/2	2.65
C4006	384	1	1000	1 1/2" o.d. x 2 1/2	1.76
C4007	385	2	1000	1 1/2" o.d. x 4 1/2	2.29
C4008	389	4	1000	2" o.d. x 3 1/2	3.35
C4009	386	.5	1500	1 1/2" o.d. x 3 1/2	2.12
C4010	387	1	1500	1 1/2" o.d. x 5 1/2	2.29
C4036	388	2	1500	2" o.d. x 4 1/2	3.35
Type TX—Rectangular Can					
C3976	801	1	600	2 1/4" o.d. x 1 1/2" x 1	\$2.47
C3977	802	2	600	2 1/4" o.d. x 1 1/2" x 1	3.00
C3978	803	4	600	4 1/4" o.d. x 1 1/2" x 1	3.88
C3979	822	5	1000	2" o.d. x 1 1/2" x 1	2.12
C3980	804	1	1000	2 3/4" o.d. x 1 1/2" x 1	2.65
C3981	805	2	1000	3 3/4" o.d. x 1 1/2" x 1	3.53
C3982	806	4	1000	4 3/4" o.d. x 2 1/2" x 1 1/2	4.41
C3983	810	1	2000	4" o.d. x 2 1/2" x 1	3.88
C3984	811	2	2000	4 1/4" o.d. x 2 1/2" x 1 1/2	4.59
C3985	823	4	2000	4" o.d. x 3 1/2" x 1 1/2	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 1/2" x 2 1/2"	50.76
C3964	8	213	1" x 2 1/2"	.76
C3965	12	214	1 1/2" x 2 1/2"	1.00
C3966	12	215	1" x 2 1/2"	1.00
C3967	16	216	1" x 3 1/2"	1.12
C3968	16	217	1 1/2" x 2 1/2"	1.12
C3969	20	219	1 1/2" x 2 1/2"	1.23
C3970	30	223	1 1/2" x 3 1/2"	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. Mfd.	Wkg. Volts	Diam. In.	Your Cost
C848	10	25	11/16"	\$0.35
C875	25	25	11/16"	.38
C876	50	25	11/16"	.44
C897	10	50	11/16"	.38
C987	25	50	11/16"	.41
C898	50	50	11/16"	.50
C878	8	150	11/16"	.35
C879	12	150	11/16"	.38
C880	16	150	11/16"	.41
C881	24	150	11/16"	.44
C882	30	150	11/16"	.47
C988	40	150	11/16"	.50
C989	8	300	11/16"	.44
C990	12	300	11/16"	.50
C991	16	300	11/16"	.59
C899	24	300	11/16"	.73
C884	8	400	11/16"	.50
C885	12	400	11/16"	.59
C886	16	400	11/16"	.73
C888	8	450	11/16"	.50
C889	10	450	11/16"	.53
C992	12	450	11/16"	.59
C993	16	450	11/16"	.73

Dry Electrolytic Cardboard Carton Filters



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

CS—Single Sections

Stock No.	Cap. Mfd.	Size In.	Your Cost
C3862	4	5/8" x 7/8" x 2 1/2"	\$0.53
C3864	8	5/8" x 1" x 2 1/2"	.68
C3854	16	1" x 1 1/2" x 2 1/2"	1.03

CM—Separate Sections

C3887	4-4	1" x 1" x 2 1/2"	.85
C3889	8-8	1 1/2" x 1" x 2 1/2"	1.06
C3890	8-8-8	1 1/2" x 1" 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 4000 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.

\$4.20

C2613—Per Kit.....

"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		53c
C2780	2 2 1/2 x 1 1/2 x 1 1/2		82c

600 VOLTS WORKING

C2781	1 2 1/2 x 1 1/2 x 1 1/2		65c
C2782	2 3 x 1 1/2 x 1 1/2		97c

1000 VOLTS WORKING

C2783	1 4 1/2 x 1 1/2 x 1 1/2		51.06
C2784	2 4 1/2 x 2 1/2 x 1 1/2		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.

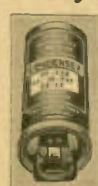


No.	Mfd.	Wkg.	V.	D.-L.	Each
C769	10	25	50	1 1/2	29c
C770	25	25	50	1 1/2	35c
C2680	5	50	50	1 1/2	29c
C2682	10	50	50	1 1/2	32c
C771	25	50	50	1 1/2	41c
C2841	50	50	50	1 1/2	50c
C772	4	150	50	1 1/2	29c
C773	8	150	50	1 1/2	32c
C774	12	150	50	1 1/2	35c
C775	16	150	50	1 1/2	41c
C776	20	150	50	1 1/2	47c
C2840	30	150	50	1 1/2	44c
C777	40	150	50	1 1/2	47c
C778	4	450	50	1 1/2	41c
C779	8	450	50	1 1/2	44c
C780	12	450	50	1 1/2	53c
C781	16	450	50	1 1/2	65c
C782	20	450	50	1 1/2	71c

No.	Mfd.	Wkg.	V.	D.-L.	Each
C783	10-10	50	50	1 1/2	59c
C3164	8-8	150	50	1 1/2	59c
C2842	12-20	150	50	1 1/2	68c
C3165	20-20	150	50	1 1/2	76c
C2683	20-20	150	50	1 1/2	97c
C2843	40-20	150	50	1 1/2	\$1.00
C784	12-12	200	50	1 1/2	68c
C785	8-16	200	50	1 1/2	68c
C2844	8-16	250	50	1 1/2	76c
C2845	8-16	250	50	1 1/2	1.00
C787	16-16	200	50	1 1/2	76c
C2846	16-16	250	50	1 1/2	88c
C2684	16-16	250	50	1 1/2	\$1.18
C786	8-8	450	50	1 1/2	76c
C2685	8-8	450	50	1 1/2	97c
C2847	8-16	450	50	1 1/2	97c

(*) 3 leads. (†) 4 leads.

Type "EL" Prong-Base Dry Electrolytics



In uninsulated metal cans with self-mounting feature; metal ears bend back under chassis. Lug terminals are. 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 1/2	\$0.53
C2523	15	450	1 x 2 1/2	.71
C2524	20	450	1 x 2 1/2	.79
C2525	40	450	1 x 3 1/2	1.15
C2526	10-10	450	1 x 3 1/2	.85
C2527	20-20	450	1 x 3 1/2	1.18
C2528	40-40	450	1 1/2 x 3 1/2	1.88
C2529	20-20	250	1 x 2 1/2	.79
C2531	20-20	150	1 x 2 1/2	.71
C2532	30-50	150	1 x 3 1/2	.88
C2533	40-20	150	1 x 2 1/2	.79
C2540	50-50	150	1 x 3 1/2	.94
C2541	10-10/20	450/25	1 x 3 1/2	.94
C2548	20-20/20	400/25	1 x 3 1/2	1.23
C2550	10-10/20	350/25	1 x 2 1/2	.79
C2552	20-20/20	150	1 x 2 1/2	.97
C2556	40-40/40	150	1 x 3 1/2	1.12
C2593	40-40	150	1 x 3 1/2	1.12
C2597	10-10/10	20 450/25	1 1/2 x 2 1/2	1.06
C2599	20-10	5/10 350/25	1 1/2 x 3 1/2	1.12
C2602	40-20/10/20	200/25	1 1/2 x 3 1/2	1.02

"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	1 1/2 x 2 1/2	\$0.44
C2663	8	450	1 x 2 1/2	.44
C2664	16	450	1 x 2 1/2	.65
C2665	20-20	150	1 x 2 1/2	.79
C2666	8-8	250	1 1/2 x 2 1/2	.97
C2667	16-16	250	1 x 3 1/2	1.18
C2668	8-8	450	1 x 3 1/2	.97
C2675	16-16	450	1 1/2 x 4 1/2	1.41

Mounting Plates for "EL" Dry Electrolytics

C2658	Bakelite. For 1" cans	Ea.
C2659	Bakelite. For 1 1/2" cans	3¢
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 x 1 1/2 x 1 1/2	1 1/2	1 1/2	50.68
C2647	4	4 1/2 x 1 1/2 x 1 1/2	1 1/2	1 1/2	.82
C2648	8	4 1/2 x 1 1/2 x 1 1/2	1 1/2	1 1/2	.97
C2651*	4-4	4 1/2 x 1 1/2 x 1 1/2	1 1/2	1 1/2	1.29
C2653	4-8	4 1/2 x 1 1/2 x 1 1/2	1 1/2	1 1/2	1.41
C2656*	8-8	4 1/2 x 1 1/2 x 1 1/2	1 1/2	1 1/2	1.56

*4 leads; separate sections.

Type L.D. Similar to above but 450 V. working; 525 V. peak.

C3527	4	4 1/2 x 1 1/2 x 1 1/2	1 1/2	1 1/2	50.53
C3528	8	4 1/2 x 1 1/2 x 1 1/2	1 1/2	1 1/2	.67
C2792	12	4 1/2 x 1 1/2 x 1 1/2	1 1/2	1 1/2	.94
C2793	16	4 1/2 x 1 1/2 x 1 1/2	1 1/2	1 1/2	1.03
C3529	4-4*	4 1/2 x 1 1/2 x 1 1/2	1 1/2	1 1/2	.85
C3530	8-8*	4 1/2 x 1 1/2 x 1 1/2	1 1/2	1 1/2	1.06
C2794	8-8-8†	4 1/2 x 1 1/2 x 1 1/2	1 1/2	1 1/2	1.56

(*) 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.	50.73
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	1 1/2 x 1 1/2 x 1 1/2	50.53
C3565	8	1 1/2 x 1 1/2 x 1 1/2	.67
C3563	12	1 1/2 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 1/2 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

INCCO Oil-Filled Condensers Type BA



Bathtub type, oil filled. Hermetically sealed. Lug type mtg. Non-inductive winding.

Meet Army-Navy specs.

600 V.D.C. Working				
No.	Mfd.	Size	Ea.	
C3100	.05	1 1/2 x 1 1/2 x 1 1/2	51.00	
C3101	.1	1 1/2 x 1 1/2 x 1 1/2	1.03	
C3102	.25	1 1/2 x 1 1/2 x 1 1/2	1.06	
C3103	.5	1 1/2 x 1 1/2 x 1 1/2	1.35	
C3104	1.0	2 x 1 1/2 x 1 1/2	1.32	
C3105	1-1	1 1/2 x 1 1/2 x 1 1/2	1.29	
C3106	.25-.252	1 1/2 x 1 1/2 x 1 1/2	1.32	
C3107	.5-.52	1 1/2 x 1 1/2 x 1 1/2	1.50	
C3108	1-1-1	1 1/2 x 1 1/2 x 1 1/2	1.47	
C3109	2.0	2 x 1 1/2 x 1 1/2	1.76	
1000 V.D.C. Working				
C3110	.05	1 1/2 x 1 1/2 x 1 1/2	1.03	
C3111	.1	1 1/2 x 1 1/2 x 1 1/2	1.09	
C3112	.25	1 1/2 x 1 1/2 x 1 1/2	1.12	
C3113	.5	2 x 1 1/2 x 1 1/2	1.21	
C3114	1.0	2 x 2 x 1 1/2	1.62	
C3115	1-1	1 1/2 x 1 1/2 x 1 1/2	1.35	
C3116	25-.252	1 1/2 x 1 1/2 x 1 1/2	1.47	

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 tissues. Tolerance: plus 15%, minus 5%.

INCCO 120WA100—1 Mfd., 12,500 V.D.C. Wkg. Overall H. 14 1/2", W. 12", D. 4". Shpg. wt. 24 lbs.	\$98.78
C3140—Your Cost.....	
INCCO 200WA20—25 Mfd., 20,000 V.D.C. Working. Overall H. 15 1/2", W. 8", D. 4". Shpg. wt. 29 lbs.	\$88.20
C3141—Your Cost.....	
INCCO 250WA50—5 Mfd., 25,000 V.D.C. Working. Overall H. 17 1/2", W. 12", D. 4". Shpg. wt. 43 lbs.	\$134.06
C3142—Your Cost.....	

Trutest 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-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.

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		C4488

Your Cost Each 12 For... 89c 25 For... \$1.73

NOTE: Calculator below supplied FREE with orders for 24 or more Trutest 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¢

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.

Your Cost Each 8¢

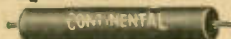
Without Center Tap

C3998—Specify resistance desired. 10 For 63c.

Your Cost Each 7¢

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¢

Trutest INSULATED 1/2 & 1 Watt

*Porcelain Insulated Outer Shells *Low Drift

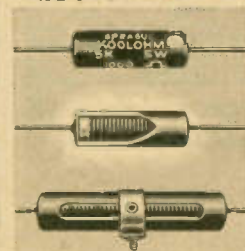


Improved, finer carbon resistors, with heavy molded insulating shells which make them impervious to moisture, heat and mechanical strain. Guaranteed accuracy 10%; average 5%. Ideal for congested wiring of receivers. Insulation permits resistors to touch each other without shorting. Half-watt units 1/4"x1/8" dia. One-watt units 1/4"x1/4" 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
			70000	C4279	C4329
700	C4254	C4304	75000	C4280	C4330
800	C4255	C4305	100000	C4281	C4331
1000	C4256	C4306	125000	C4282	C4332
1250	C4257	C4307	150000	C4283	C4333
1500	C4258	C4308	200000	C4284	C4334
			250000	C4285	C4335
2000	C4259	C4309	300000	C4286	C4336
2500	C4260	C4310	400000	C4287	C4337
3000	C4261	C4311	500000	C4288	C4338
3500	C4262	C4312	750000	C4289	C4339
4000	C4263	C4313	Megohms		
			1	C4288	C4338
5000	C4264	C4314	1.5	C4248	C4351
6000	C4265	C4315	2	C4289	C4339
7000	C4266	C4316	2.5	C4249	C4352
7500	C4267	C4317	3	C4290	C4340
8000	C4268	C4318	4	C4291	C4341
			5	C4292	C4342
9000	C4246	C4349	6	C4293	C4343
10000	C4269	C4319	7	C4294	C4344
12000	C4270	C4320	8	C4295	C4345
15000	C4271	C4321	9	C4296	C4346
17000	C4272	C4322	10	C4297	C4347
20000	C4273	C4323			

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.

STANDARD ADJUSTABLE

Type 10A—10 Watt. 1 1/4"x1 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 Your Cost Each... 44¢

NON-INDUCTIVE FIXED

Type 10N1—10 Watt. 1 1/4"x1 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

IRC PRECISION RESISTORS

Type BT Insulated Resistors Type F Metallized Resistors



TYPE BT

TYPE F

Type BT employ metallized element sheathed in an overall covering of moisture proof phenolic compound. Type F are the original Metallized units housed in Insolatite. Both types are non-inductive. Have pig-tail wire leads. Tolerance $\pm 10\%$. Specify Resistance.

Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Megs.
1	100	600	3000	10000	30000	125000	1.0
2	150	750	3500	11000	35000	150000	1.5
3	200	800	4000	12000	40000	200000	2.0
5	250	1000	5000	12500	50000	250000	3.0
10	300	1250	6000	15000	60000	300000	4.0
15	350	1500	7000	17500	65000	400000	5.0
20	400	2000	7500	20000	70000	500000	6.0
25	450	2250	8000	22500	75000	600000	10.0
30	500	2500	9000	25000	100000	750000	20.0

1/2-Watt—BT—1/2		1-Watt—BT-1		2-Watt—BT-2	
5/8" x 3/16" .250 ohms up.		1 1/4" x 1/8" .350 ohms up.		1 3/4" x 1/16" .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 1/4" x 1/16" .50 ohms to 20 megohms.		1 1/4" x 1/16" .100 ohms up.		1 3/4" x 1/16" .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	
5/8" x 3/16" .1 to 750 ohms.		1 1/4" x 1/16" .1 to 4000 ohms.		1 3/4" x 1/16" .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	Ohms
1	75	500*	2000*	4000*	7500*	15000*	40000*
5†	100*†	750*	2250*	4500*	10000*	20000*	50000*†
10†	150	1000*	2500*†	5000*†	12000†	25000*†	60000†
25†	200†	1250*	3000*	6000†	12500†	30000†	75000*†
50†	250*†	1500*†	3500	7000†	15000†	35000	100000*†

Type "AB" 10-Watt Rating

30,000 ohms and over are 5 watts. 1 3/4" long, 3/16" 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, 3/16" diam. Range up to 100,000 ohms (see list).
Stk. No. From To Each
C5211 1 15,000 41c
C5212 20,000 50,000 50c
C5290 60,000 100,000 65c

Type "EP" 50-Watt (Max.)

4 1/2" long, 3/8" diam. Range up to 100,000 ohms. Only in sizes marked with (†) (see list).
Stk. No. From To Each
C5248 5 5,000 71c
C5249 6,000 25,000 82c
C5254 30,000 100,000 94c

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
C5260 100 5,000 50.97
C5261 7,500 25,000 1.15
C5234 50,000 ohms 1.29
C5235 75,000 ohms \$1.47
C5236 100,000 ohms 1.62

Type "HO" 200-Watt (Max.)

10 1/2" long, 1 1/2" diam. Range up to 100,000 ohms. Only in sizes marked with (†) (see list).
Stk. No. From To Each
C5237 100 10,000 \$1.62
C5238 15,000 100,000 \$1.94

IRC Power Wire-Wound Variable Resistors



For all industrial and Radio uses. Dissipate heat rapidly, withstand heavy over-loads, 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 turn 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	50000
200	2000	10000	100000

Type ABA—10 Watts

1 1/2" x 3/16". Range up to 10,000 ohms. (See list above).

C5262—	44¢
C5213—Extra slider for above.	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

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 1/8". 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 1/8". Available in the following resistances.

Ohms	Ohms	Ohms	Ohms
100	2500*	10000*	50000*
500*	5000*	15000	75000*
1000*	7500	25000*	100000*

Type HOA—200 Watts
10 1/2" x 1/4". 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



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	C5202 1 1/2 Meg. 4.41	
C5154	5	C5171 20000	94c	C5194 1 Meg. 3.09	C5115 2 Meg. 5.88	
C5159	10	C5149 22500				
C5160	25	C5172 25000	1.12	Type WW-4		
C5161	50	C5173 30000		Stock No.	Res. Ohms	Your Cost
C5162	100	C5176 50000	C5125 200	50c	C5136 30000	79c
C5164	200	C5177 60000	C5126 300	50c	C5138 40000	
		C5178 75000	C5124 500		C5139 50000	
C5200 250			C5127 1000	53c	C5140 60000	94c
C5204 400			C5128 2500		C5141 75000	
C5165 500	68c	C5179 100000	1.23			
C5166 1000		C5181 150000	1.56			
C5143 1500	68c	C5182 175000	1.56			
C5144 2000		C5183 200000	1.71			
		C5184 225000				
		C5185 250000				
C5167 2500	73c	C5190 275000	1.85			
C5168 5000		C5186 300000				
C5147 7500	73c	C5187 400000	2.15			
C5169 10000		C5188 500000				

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 AB 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.	
C5280—List value. \$17.00. Your Cost, Complete...	\$9.98
Kit No. 3: Contains 83 BT-1 Watt resistors.	
C5282—List value. \$15.60. Your Cost, Complete...	\$9.76



OHMITE RESISTORS

Vitreous Enameled Fixed Resistors



Lug type resistors, wire-wound on porcelain cores. The vitreous enameled coating both protects and insulates the wire. The best alloy and largest possible size wire are used for each resistance. The vitreous enameled 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	25,000
2	200	3,500	30,000
3	250	4,000	35,000
4	500	5,000	40,000
5	750	6,000	45,000
10	800	7,500	50,000
25	1,000	10,000	60,000
50	1,500	12,000	70,000
75	2,000	15,000	80,000
100	2,500	20,000	100,000

50 WATT			
1	150	3,000	35,000
2	200	4,000	50,000
3	250	5,000	75,000
4	500	7,500	100,000
5	750	8,000	125,000
10	800	10,000	150,000
25	1,000	12,000	175,000
50	1,500	15,000	200,000
75	2,000	20,000	225,000
100	2,500	25,000	250,000

100 WATT			
1	75	1,500	20,000
2	100	2,000	25,000
3	125	2,500	30,000
4	150	3,000	40,000
5	250	5,000	50,000
10	500	7,500	60,000
25	750	10,000	75,000
50	1,000	15,000	100,000

200 WATT			
1	75	1,500	25,000
2	100	2,500	30,000
3	150	3,000	40,000
4	250	5,000	50,000
5	500	7,500	60,000
10	750	10,000	75,000
25	1,000	15,000	100,000
50	1,500	20,000	100,000

C7125—1 to 5M..... 47c
C7126—6M to 15M..... 53c
C7127—20M to 50M..... 55c
C7128—60M ohms..... 73c
C7129—70M ohms..... 79c
C7130—80M ohms..... 88c
C7131—100M ohms..... \$1.12

"BROWN DEVIL" Fixed Resistors



Wire wound, vitreous enameled 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

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 enameled 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 1/2" x 3/4"			
5	100	2,000	7,500
10	250	3,000	10,000
25	500	4,000	
50	1,000	5,000	

C7174—Your Cost..... **44¢**

50 WATT 4" x 3/4"			
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 3/4"			
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	

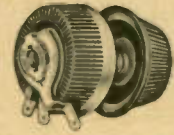
C7175—5 ohms to 5M..... 56c
C7176—7.500 to 15M..... 65c
C7177—20M to 25M..... 71c

100 WATT 6 1/2" x 3/4"			
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

Diam. Inches	SCREWDRIVER TYPE		BAKELITE KNOB TYPE	
	Stock No.	Your Cost	Stock No.	Your Cost
	1/8"	C7193	6c	C7197	9c
3/16"	C7194	6c	C7198	15c
1/4"	C7195	9c	C7199	15c
5/16"	C7196	9c		

OHMITE Power Rheostats



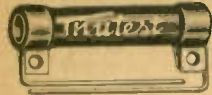
Designed to produce permanently smooth, close control. Ceramic and metal construction. Provided with insulated shafts with provision to keep the rheostat from turning on the panel. The resistance wire is wound over a solid porcelain core. Each turn is locked against shifting by vitreous enamel, which also covers the core and base. Requires 3/8" Hole. Wt. 1 lb.

Model "H"—25W (1 1/2" dia.)				Model "J"—50 Watt (2 1/2" dia.)			
Stock No.	Total Ohms	Max. Amps.	Each	No.	Ohms	Amps.	Each
C8350	1	5.000	\$2.65	C7200	0.5	10.000	
C8362	2	3.540		C7201	1	7.070	\$2.94
C8351	3	2.840		C7202	2	5.000	
C8363	6	2.000		C7203	4	3.530	
C8352	8	1.770		C7204	8	2.500	
C8364	10	1.580		C7205	12	2.040	
C8365	15	1.290		C7206	16	1.760	
C8366	25	1.000		C7207	22	1.500	
C8353	35	.845	\$2.35	C7208	35	1.190	
C8367	50	.707		C7209	50	1.000	\$2.65
C8390	75	.575		C7210	80	.790	
C8368	100	.500		C7211	125	.630	
C8369	125	.445		C7212	150	.575	
C8370	175	.375		C7213	225	.470	
C8371	250	.316		C7214	300	.408	
C8391	350	.267		C7215	500	.316	
C8372	500	.222		C7216	800	.250	
C8392	750	.182		C7217	1,000	.224	\$2.79
C8373	1,000	.155		C7218	1,600	.176	
C8374	1,500	.129	\$2.65	C7219	2,500	.141	
C8375	2,500	.100		C7220	3,500	.119	
C8376	3,500	.084	\$2.79	C7221	5,000	.100	\$2.94
C8377	5,000	.070		C7222	8,000	.079	
				C7223	10,000	.070	

Model "K"—100 WATT (3 1/4" DIA.)							
No.	Ohms	Amps.	Each	No.	Ohms	Amps.	Each
C8378	10	3.160	\$4.12	C8383	500	.447	\$4.12
C8379	25	2.000		C8384	1,000	.316	\$4.41
C8380	50	1.410		C8385	2,500	.200	\$4.41
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	Ohms	Ohms	Ohms	Ohms	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¢**

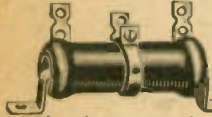
10-Watt Adjustable Wire Wound



Vitreous enamel coated adjustable wire wound units. Lug terminals. 1 3/4" O.D.; with mtg. brackets. Specify resistance.

Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Each
10	50	150	500	2000	5000	} 25¢
25	100	200	1000	2500	10000	

C4446—Extra Slider for above. Each .5c



Truest Semi-Variable Wire-Wound Resistors

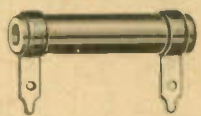
Vitreous enamel coated. Adjustable lugs have small contact buttons so that several taps can be used without shorting out much resistance. Brackets and one slider furnished.

25 Watts (2x 1/2")			50 Watts (4 1/2 x 3/4")			75 Watts (6x 3/4")		
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		C20806	1000	} 85¢
C20747	100		C20777	1500		C20807	1500	
C20748	200		C20778	2000		C20808	2000	
C20750	500		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	} 98¢
			C20787	10000		C20817	15000	
C20761	6000		C20788	12000		C20818	20000	
C20762	7000		C20789	15000		C20819	25000	
C20763	8000		C20790	20000				
C20765	10000		C20791	25000		C20820	30000	
C20766	15000					C20821	40000	} \$1.10
			C20792	30000		C20822	50000	
C20796	20000		C20793	40000				
C20797	25000		C20794	50000		C20823	100000	\$1.22

C20825—Extra sliders to fit any of the above resistors. Each .5c

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 1/4"					
No.	Ohms	No.	Ohms	No.	Ohms
C4850	1	C4856	100	C4875	750
C4854	5	C4858	150	C4876	1000
C4856	10	C4859	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	C4982	100000	C4985	50000

Your Cost Each, Any Size. **32¢** (for 2500-10000), **\$1.42** (for 15000-50000), **37c** (for 100000)

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 Per In. Amps.	Your Cost	Stk. No.	Ohms	Cap. in Per In. Amps.	Your Cost
C4407	1	.707	44¢	C4411	50	.100	44¢
C4408	5	.315		C4412	100	.071	
C4409	10	.223		C4413	250	.041	
C4410	25	.141		C4414	500	.031	

Any Type

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 (1/2 x 1 1/4")									
Ohms	Ohms	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 (1/2 x 2") Mounting Centers 2 1/4"									
Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms
5	50	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 .50.41
C7302—Specify Resistance. 6M to 10M Ohms. Your Cost .47
C7303—Specify Resistance. 12,500 to 15M Ohms. Your Cost .50
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 .112

50 Watt (1/2 x 4 1/2") Mounting Centers 5 1/4"									
Ohms	Ohms	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 .50.55
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 1/4"									
Ohms	Ohms	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		

C7313—Specify Resistance. 25 to 5M Ohms. Your Cost .50.94
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 (1/2 x 1 1/4") Mounting Centers 2 1/4"									
Ohms	Ohms	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. 35c

50 Watt (1 1/2 x 4 1/2") Mounting Centers 5 1/4"									
Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms
5	100	300	1000	3000	10000	25000	60000		
10	150	400	1500	4000	12000	30000	75000		
25	200	500	2000	5000	15000	40000	80000		
50	250	750	2500	7500	20000	50000	100000		

C7326—Specify Resistance. 5 to 5M Ohms. Your Cost Each .50.79
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 1/4"									
Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms
50	1000	4000	10000	20000	30000	40000	75000		
100	2000	5000	15000	25000	35000	50000	100000		
500	3000	7500							

C7330—Specify Resistance. 50 to 5M Ohms. Your Cost .51.20
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 1/4" diameter. Has built-in shaft. "Double flatted" shaft takes 1/4" and 3/8" push-on knobs and set screw knobs without filing. Control diameter 1 1/4"; depth, less switch, 3/4"; depth, with switch, 7/8".

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	25000D	C9126	11-133	500000A
C9104	11-113	4000A	C9116	16-120	25000F	C9127	13-133	500000C
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	C9131	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*	14-129	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-536X	1 Meg. A	250000
C7809	18-130X	250000H	60000	C9130	13-137X	1 Meg. H	250000
C9146	18-133X	350000H	75000	C9147	13-139X	2 Meg. II	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" C7797 "DS" C7798 "DS"
C7834 "W" C7835 "W" C7836 "W"
C9133 "CS" C9135 "CS" C9134 "CS"

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"	3/8"	1/4"	35	2.0 Meg.
MPP	10	4 1/2"	3/8"	1/4"	35	2.5 Meg.
MPA	20	6 1/2"	1 1/8"	1/2"	35	4.0 Meg.
MPO	35	10 1/2"	1 1/8"	1/2"	50	5.0 Meg.
MPR	100	18 1/2"	2"	1 1/8"	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"	3/8"	50M	2000 Meg.
MVA	20 Watts	25M	6 1/2"	1 1/8"	200M	4000 Meg.
MVO	35 Watts	50M	10 1/2"	1 1/8"	400M	8000 Meg.
MVR	100 Watts	100M	18 1/2"	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 1/4". Standard values from 5 ohms to 5,000 ohms. Your Cost Each.....	\$1.76
C5106—Type NHA—100 Watts, 6 1/2 x 1 1/4". Standard values from 5 ohms to 5,000 ohms. Your Cost Each.....	\$2.35
C5107—Type NHO—200 Watts, 10 1/2 x 1 1/4". 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, 11-128, 11-133, 13-123, 13-128, 13-130, 13-130X, 13-133X, 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 Connector; 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	16-130	25000F	C9261	13-133	500000C
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	11-128	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. II	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. II	500000
C9272	13-133X	500000H	125000				

Your Cost Each..... **88¢**

Dual Type "CS" Twin Controls

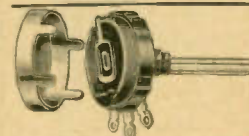
Duals for replacement use. Front section is nearest shaft.

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	250000C	250000C				

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

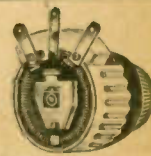
Diameter 1 1/4". Rated 2 watts. 3" shaft. Less switch, but switch covers can be added. Uniform taper. Switch cover, plates for use with these controls will be found in opposite column. Shield dust cover supplied.

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., 1 1/2" behind panel; 50-Watt units 2 1/4" dia., 1 3/4" 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	C7753	1000	.223
C9159	750	.173	C7754	2500	.140
C9160	1000	.155			
C9161	1500	.129	C7755	5000	.100
C9162	2500	.100	C7756	10000	.070
C9163	5000	.070			

\$2.35

\$2.65

\$2.65

\$2.79

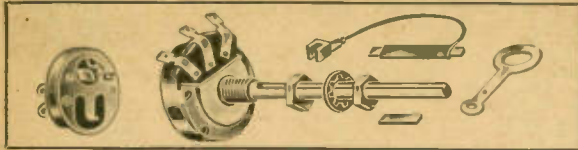
\$2.94

KEEP BUYING MORE AND MORE WAR BONDS AND STAMPS

MALLORY VOLUME CONTROLS

P. R. MALLORY & CO. Inc.

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	A500P	WW	550	4	C6717	Z*	Car.	75000	2
C6734	A1MP	WW	1000	4	C6718	Z12	Car.	75000	1
C6669	B	WW	1000	1	C6744	Y100MP	Car.	100000	4
C6719	UC500	WW	1000	2	C6678	L	Car.	100000	1
C6735	A2MP*	WW	2000	4	C6729	UC510*	Car.	100000	2
C6670	C*	WW	2000	2	C6721	UC502	Car.	150000	1
C6704	C12*	WW	2000	1	C6745	Y200MP	Car.	200000	4
C6736	A3MP*	WW	3000	4	C6746	Y250MP	Car.	250000	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	1
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	C6733	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.

59¢

Your Cost Each, Any of the above Controls.....

Control Switches



Stock No.	Part	Type	Each
C6288	6-9 S.P.S.T.		29¢
C12853	8 S.P.D.T.		35¢
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— $\frac{1}{8}$ " diam., $\frac{1}{8}$ " flat.
 C6562— $\frac{1}{4}$ " diam., $\frac{3}{8}$ " flat.
 C6563— $\frac{3}{8}$ " diam., $\frac{1}{2}$ " flat.
 Any Size,
 Your Cost Each..... **18¢**
 Type B—2" long, $\frac{1}{4}$ " diameter with $\frac{1}{8}$ " slot. Enclosed in tight fitting tube.
 C6559—Your Cost..... **21¢**

Mounting Brackets

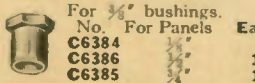


For use where control mounts off chassis. Plated metal. Adjustable mounting centers.

C6297—Type RB-248—Mounting centers $1\frac{1}{2}$ " to $2\frac{1}{4}$ ".
 C6298—Type RB-249—Mounting centers $2\frac{3}{8}$ " to $2\frac{3}{4}$ ".

Your Cost Each, Either Type..... **12¢**

Control Hex Nuts



For $\frac{3}{8}$ " bushings.
 No. For Panels Each
 C6384 9¢
 C6386 12¢
 C6385 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 TRP621. †Has slotted shaft for auto sets. ‡Special taper for fader service. Others are taper 1. Less switches. Shpg. wt. 5 oz.



Stock No.	Mfrs.	Res.	Tapped Ohms	Stock No.	Mfrs.	Res.	Tapped Ohms
C6543	TRP601	40000	8000	C6588	TRP615	3 Meg.	900000
C6544	TRP602	60000	4000	C6589	TRP616	500000	60000
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
C6577	TRP606	500000	100000				250000
C6578	TRP607	500000	225000	C6593	TRP620	2 Meg.	900000
C6579	TRP608	1 Meg.	200000	C6594*	TRP621	2 1/4 Meg.	250000
C6580	TRP609†	1 Meg.	500000				500000
C6581	TRP610	1 Meg.	30000	C6595	TRP622	44000	7000
C6583	TRP612	2 Meg.	15000				14000
C6586	TRP613	2 Meg.	400000	C6596	TRP623	250000	50000
C6587	TRP614†	350000	70000	C6576	TRP624	2 1/4 Meg.	250000
							500000

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.	Type	Front Res.	Rear Res.	Taper
C6684	CE	WW	2000	5000	I
C6658	GE	WW	10000	5000	VII
C6685	GG	WW	10000	10000	VII
C6686	GK	Car.	10000	50000	I
C6659	LL	Car.	100000	100000	I
C6687	LM	Car.	100000	250000	I
C6749	MM	Car.	250000	250000	I
C6750	MN	Car.	250000	500000	I
C6689	NN	Car.	500000	500000	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.

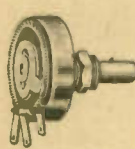
MALLORY-YAXLEY Encyclopedia 4th Edition

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 $10\frac{1}{4}$ " x $8\frac{1}{2}$ ". Wt. 2 lbs.

C19786—Your Cost..... **95¢**

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. $1\frac{1}{2}$ ". $\frac{1}{4}$ " 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¢**

TYPE M—4 WATTS

Wire Wound. Conservatively rated at 4 watts. Fully enclosed. $1\frac{1}{2}$ " diam.; mount in $\frac{3}{8}$ " hole. Shaft $\frac{3}{8}$ " 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
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 } Ea. **73¢**
 C6216—3000ohms }
 C6217—5000ohms }
 C6218—6000ohms }
 C6219—10000ohms } Ea. **88¢**
 C6220—15000ohms }

POTENTIOMETERS

No.	Ohms	No.	Ohms
C6503	20	C6496	200
C6492	50	C6497	400
C6495	100		

Your Cost Each..... **59¢**

C6498 1000 | C6499 2000
 C6500 3000 | C6501 5000

Your Cost Each..... **73¢**
 C6502 10000 | C6177 15000
 C6178 20000 | 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 $\frac{1}{8}$ " thick, $1\frac{1}{16}$ " 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) **59¢**
Your Cost, Any Size

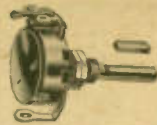
"TM" Type Tapped Controls

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	*—Clutch Type Controls.			

Type TM Controls (less shaft) **73¢**
Any Type Above, Your Cost Each

MALLORY-YAXLEY Attachable Switches

Fit all "UM", "TM", & "MR" junior controls listed on this page.
C6968—Single Pole, Single Throw. **29¢**
C6969—Double Pole, Single Throw
C6970—Single Pole, Double Throw
C6972—Four Pole, Single Throw (Shorting Type) **Each 35¢**



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 $\frac{1}{2}$ watt.

No.	Type	Ohms	No.	Type	Ohms	No.	Type	Ohms
C6900	MR14	5M (4A)	C6909	MR33	50M (1)	C6918	MR44	250M (1)
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 $\frac{1}{4}$ " round shaft or $\frac{1}{8}$ " or $\frac{3}{16}$ " flattened shaft up to 4" long. **Each 15¢**
C6974—SS2. **Each 15¢**
C6975—SS3. Replaces any slotted shaft up to 2" long. **21¢**
C6976—SS4. **Each 15¢**
C6977—SS5. **Each 15¢**
C6978—SS6. RCA, Hudson H6. **15¢**
C6982—SS10. **Each 15¢**
C6983—SS11. Replaces any $\frac{1}{2}$ " slotted shaft 2 to 4" long. **21¢**
C6984—SS12. **Each 15¢**
C6986—SS14. Replaces any $\frac{1}{4}$ " slotted shaft to 2" long. **21¢**
C6987—SS15. Replaces any $\frac{3}{8}$ " slotted shaft 4 to 6" long. **21¢**
C6988—SS16. **Each 15¢**

C6989—SS17. Replaces any slotted "Insacup" shaft to 6" long. **29¢**
C6992—SS18. For Belmont. **15¢**
C6993—SS19. **Each 29¢**
C6994—SS20. **Each 29¢**
C6995—SS21. Motorola model 17D. **Each 21¢**
C6996—SS22. **Each 15¢**
C6997—SS23. **Each 15¢**
C6998—SS24. **Each 15¢**
C6999—SS25. Replaces standard knurled shafts from $\frac{1}{4}$ " to 4" long. **Each 15¢**
C6809—SS26. Zenith sets. **15¢**
C6810—SS27. Philco sets. **15¢**
C6820—SS28. Motorola sets. **29¢**
C6821—SS29. Motorola sets. **15¢**
C6822—SS30. Motorola sets. **15¢**
C6826—SS31. Philco sets. **15¢**
C6827—SS32. Philco sets. **15¢**

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 **Your Cost**
No. Each Side c.t.
C9004 500M **\$1.18**
C9005 1 Meg.

Gain Control

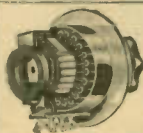
Like above but without center tap.
Stock No. Resistance **Each**
C9000 250M **\$1.03**
C9001 500M
C9002 1 Meg.
C9003 2 Meg.

"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

TONE AND AC SWITCH

Compact tone-control switch with AC switch attached. Three positions: AC off, AC on, tone switch open, tone switch closed, $\frac{1}{2}$ " shaft—2 1/4" long. AC switch rated 3amps 125volts. Less mounting nut. Quantity limited.
C12897—Your Cost **19¢**



IRC 21-Step Attenuators. Type A-21

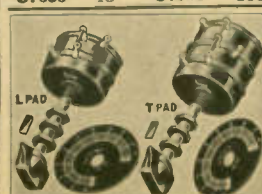
Utilize a molded motor commutator switch with conducting segments of drawn copper and clock-spring connectors. Exceptionally low noise level. Attenuation from zero to infinity in 21 steps. Has removable cover and calibrated dial. Size: 2x2"; centers 1 1/2" apart. Available in popular ladder or potentiometer 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	1/2 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 $\frac{1}{4}$ "; 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	\$6.37
C7838	15	C7840	200	C7842	500	



For controlling level of low impedance audio circuits, mikes or phono, etc. With knob, dial and plate.

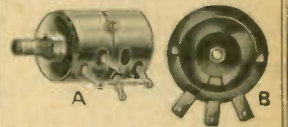
Attenuators, "T" and "L" Pads and Faders are available on priority only. To expedite delivery on your orders, please include your highest authorized preference rating.

Mallory "T" & "L" Pads

No.	Ohms	Imp.	No.	Ohms	Imp.
C6356	6	C6362	6	C6364	6
C6357	15	C6363	8	C6365	15
C6358	50	C6366	50	C6367	200
C6359	200	C6368	250	C6369	500
C6361	250	C6370	500	C6371	2000
C6362	500	C6372	2000		

"L" Pads: **\$2.06**
Any Type Above
"T" Pads: **\$2.94**
Any Type Above

UTAH "T" & "L" Pads



The open frame type mounts in a single $\frac{1}{8}$ " hole. Dim. 2 1/4" diam., $\frac{1}{2}$ " deep. Enclosed dual frame type, $\frac{1}{8}$ " diam. and $\frac{1}{2}$ " 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	C6574		

Any Type, **\$1.91**
Each

Tone Control Switches

S.P., 2 position switch with $\frac{3}{8}$ " diam. threaded bushing, extending $\frac{3}{8}$ ", and $\frac{1}{4}$ " shaft extending $1\frac{1}{2}$ " beyond bushing with standard flat push on knob. Quantity limited.
C1267—Your Cost **11¢**
S.P., 3 pos. with $2\frac{1}{2}$ " shaft.
C12677—Your Cost **16¢**



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	} 59¢
C8286	NK-140	500M	
C8287	NK-141	1 Meg.	
C8288	NK-142	2 Meg.	
C8289	NK-143	500M	
C8291	NK-144	1 Meg.*	} 88¢
*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 1/2 x 1/2" long. Depth behind panel: 25 watt units 1/2"; 50 watt units 1 1/4"; 75 watt units 1 1/2". 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
C8987	250	Your Cost \$1.47	
C8982	400	Cost 75-W	
C8983	500	C8995	50
C8984	1000	C8996	150
	5000	C8997	300
		C8998	500
		C8999	1000
Your Cost Each \$1.18		Your Cost \$1.76	

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 1/2" bushing and nut for single hole mounting; depth behind panel 1 1/4"; base diameter 1 1/4"; 1/2" 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	} \$1.68
C8964	25	1.00	
C8965	50	.706	
C8966	100	.500	
C8967	250	.316	
C8968	500	.222	} \$1.96
C8969	1000	.158	
C8970	2500	.100	
C8971	5000	.070	

1 Meg. Midget Volume Control and Switch

Standard 1/2" 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—3/8"; Shaft length—2 1/4"; Diameter—1/2"; 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
C8854	A-111	10,000S				C8696	A-134	3 Meg. GT

WIRE WOUND RADIOHMS

C8959	V-104	6 C8683	V-123	200	C8687	VF-131	2000
C8961	V-108	10 C8684	V-126	400	C8765	VF-133	3000
C8681	V-116	50 C8685	V-127	500	C8804	VF-135	5000
C8682	V-121	100 C8686	VF-129	1000	C8766	VF-137	10,000

Your Cost Each Any Type Listed Above... 59¢

TAPPED RADIOHMS (For Tone Compensation)

No.	CRL	Ohms	Composition Element	Your Cost
C8891	AT-135	250,000	ohms GT	} List Price \$1.50 Each... 88¢
C8881	AT-136	500,000	ohms GT	
C8882	AT-137	1 Megohm	GT	
C8903	AT-138	2 Megohms	GT	

TWIN REPLACEMENT RADIOHMS

Stock No.	CRL No.	Front Ohms	Rear Ohms	Your Cost
C8912	C-100	10,000	25,000	} List Price \$2.50 Each... \$1.47
C8913	C-101	10,000	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

C8665	SP.S.T.	29c	C8669	4 Point	} 35¢
C8666	SP.D.T.		C8670	*S.P.D.T.	
C8660	D.P.S.T.		C8661	†S.P.S.T.	
*—Open at clockwise position. †—With dummy lug.					

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 1/4" 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	C8192	N102	250,000GT
C8190	NF107	10,000A	C8217	NF113	25,000U	C8273	N118	500,000U
C8188	NF100	10,000A1	C8191	NF101	25,000A	C8193	N103	500,000GT
C8189	NF108	10,000A2	C8218	N114	50,000U	C8194	N104	1 Meg. GT
C8278	N109	10,000A	C8219	N115	50,000T	C8169	N155	2 Meg. GT
C8279	NF110	15,000A1	C8220	N116	100,000U			
C8280	NF111	15,000A2	C8272	N117	100,000GT			

Your 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	SP.S.T.	29c
C8275	NT120	500,000	C8196	SP.D.T.	} 35¢
C8276	NT121	1 Meg.	C8197	D.P.S.T.	
C8277	NT122	2 Meg.	C8198	4 Point	
			C8199	*S.P.S.T.	
*—With dummy lug.					

FREE With every order for 5 or more CRL controls ask for a copy of CRL Volume Control Guide. If ordered separately, C19698—EACH... 10c

CLAROSTAT Wire Wound Controls



Standard wire wound controls in bakelite cases. Switch covers easily attached. Control diameter 1 1/4". Mount in 3/8" hole. 1/2" shaft extends 1 1/2". Units marked with asterisk (*) are rheostat type; all others potentiometers.

Stock No.	Res. Ohms	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
C7099	50S	C7080	7500U
C7060*	60	C7079	7500V
C7061*	75	C7078	10000S
C7098	100S	C7075	10000V
C7097	200S	C7074	10000V
C7096	300S	C7073	15000S
C7095	400S	C7072	15000V
C7094	500S	C7070	20000S

Your Cost Each Any Above Type... 57¢
Your Cost Each Any Above Type... 73¢
 C7064 75000S-1
 C7063 100000S } **\$1.18**
 Switch coverplate only, fits all units.
 C8337—SP.S.T. Each... 29c

UTAH Wire-Wound Midget Controls

Rheostats and potentiometers are 1 1/4" diam. Mount in 3/8" hole and extend 1/2" in back of the panel. 1/2" 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		

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

Your Cost Each, Any of the Above Types... 26¢

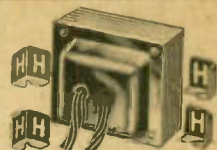
UTAH Volume Controls

Only 1" diam.—1/2" 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 10000C
 C8251 10000C C8267 20000U
 C8252 10000U C8268 25000C
 C8253 15000C C8269 50000C
 C8254 20000C C8270 1 Meg. C
 10 For 52.70
 Each... **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.
				Vts.	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 1/2 x 3 3/8"	5
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"	6
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 1/2 x 3 3/8"	6
C1717	P-6007	10-12	4.38	800	110	5	3	2.5	15	2.5	3.5	3 1/2 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 1/2 x 3 3/8"	6
C1724	P-6014	13-15	4.55	750	150	5	3	6.3	5			3 1/2 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 1/2 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	6	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 No.	Primary	Sec.	Mtg.	Ctrs.	Lbs.	Each
C1785	P-6289	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	\$1.09
C1637	A-3823	or P. P. plates.	J	2 3/8"	1	1.09
C1671	A-3850	4000, 7000, 8000,	J	2 3/8"	2	1.41
C1673	A-3852	10M, 14M CT	E	2 3/8"	2	2.29
C1670	A-3849*	1500, 2000, 4000,	Q	2 1/2"	1	1.09
C1666	A-3830†	5000, 7000, 10,000,	J	2 1/2"	3	2.06
		3000, 5000, 6000,				
		7000, 8000, 10,000 CT				

*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 Pri. Sec.	Mx. Wts.	Dimensions H x W x D	Mtg. Ctrs.	Your Cost
C1591	Single	7M 70M or 4-6	5	1 1/2 x 2 1/2 x 1 1/2"	2 5/8"	\$1.41
C1592	Single	7M 70M or 4-6	10	2 1/2 x 3 1/2 x 2 1/2"	3 1/8"	1.94
C1593	P.P.	10M 70M or 4-6	5	1 1/2 x 2 1/2 x 1 1/2"	2 5/8"	1.41
C1594	P.P.	10M 70M or 4-6	10	2 1/2 x 3 1/2 x 2 1/2"	3 5/8"	1.94

REPLACEMENT DRIVER TRANSFORMERS

Stock No.	Type No.	Impedance Pri. Sec.	Ratio	Mtg. Ctrs.	Mtg. Type	Wt. Lbs.	Your Cost
C1684	A-4712*	20M 2.2M	3:1	A	2 1/2"	1	\$1.09
C1685	A-4713	10M 2.5M	2:1	A	2 1/2"	1	1.09
C1688	A-4723	10M 1.1M	3:1	A	2 1/2"	1	1.09
C1687	A-4722	10M 10M	1:1	E	2 3/8"	2	1.76
C1682	A-4401	10M 1.4M	2.7:1	J	2 3/8"	2	1.59
C1689	A-4734	10M 1.6M	2.5:1	A	2 3/8"	2	1.29

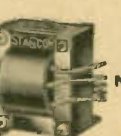
FILTER CHOKES TYPE A

Stock No.	Type No.	Henrys	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 1/2 x 1 1/2"	1	\$0.68
C1699	C-1707	7	50	500	1 1/2 x 2 1/2 x 1 1/2"	1	.68
C1700	C-1708	10	65	460	1 1/2 x 3 1/2 x 2 1/2"	2	.88
C1701	C-1709	9	85	250	1 1/2 x 3 1/2 x 2 1/2"	2	1.18
C1702	C-1710	8	150	200	2 1/2 x 4 1/2 x 2 1/2"	3	1.47
C1623†	C-1003	30	50	550	1 1/2 x 3 1/2 x 1 1/2"	2	.91
C1624	C-1002	30	75	400	2 1/2 x 3 1/2 x 1 1/2"	2	1.23
C1625	C-1001	30	110	200	2 1/2 x 4 1/2 x 2"	3	1.56
C1626†	C-1034	30	30	1150	1 1/2 x 2 1/2 x 1 1/2"	2	1.12
C1583	C-2303	10	130	100	2 x 3 3/8 x 1 1/2"	2	1.09
C1584	C-2304	8	150	65	2 x 3 3/8 x 1 1/2"	2	1.09
C1585	C-2305	20	100	275	2 1/2 x 2 3/8 x 2 1/2"	2	1.47
C1586	C-2309	8	150	90	2 1/2 x 3 1/2 x 1 7/8"	2	1.29

*Center tapped. †Output chokes.

A.C.-D.C. CHOKES TYPE A

Stock No.	Type No.	Henrys	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 1/2 x 1 1/2"	1	.68
C1694	C-1080	15	50	200	1 1/2 x 2 1/2 x 1 1/2"	1	.71
C1697	C-1325	15	50	250	1 1/2 x 2 1/2 x 1 1/2"	1	.71
C1695	C-1227	15	50	350	1 1/2 x 2 1/2 x 1 1/2"	1	.71
C1696	C-1279	15	50	400	1 1/2 x 2 1/2 x 1 1/2"	1	.71



OUTPUT TRANSFORMERS

Stock No.	Type No.	Class Oper.	Tubes	Impedance in Ohms Prim. Secondary	Mx. Wts.	Mtg. No.	Your Cost
C1663	A-3822	A	S	7M, 10M	7 to 4	5	\$0.85
C1669	A-3848	A	S	16,000	1, 2, 4	5	.91
C1676	A-3857	A	S	25,000	4	5	.94
C1677	A-3865	A	S	1,500	2, 4, 6	5	.91
C1640	A-3876	A	S	2,000	4	5	.68
C1645	A-3877	A	S	5,000	4	5	.68
C1646	A-3878	A	S	7,000	4	5	.68
C1648	A-3879	A	S	10,000	4	5	.71
C1649	A-3881	A	S	15,000	4	5	.71
C1647	A-2201	A	S or PP	8,000	6	10	1.32
C1664	A-3824	B	S	8,000	1, 2, 4	8	1.41
C1665	A-3825	A	S	2,500	1, 2, 4	8	1.18
C1667	A-3831	B	S or PP	10M	2, 4, 8	5	1.03
C1656	A-3303	A & B	S or PP	14M	4, 8, 15, 500	20	2.59
C1657	A-3304	A & B	S or PP	10M, 7M	4, 8, 15, 500	25	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,	30	C 3.53
				500			
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	6,000	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	1/2 x 1"	E	2 3/8 x 2 1/2"	2 3/8"	\$1.82
C1631	A-4774	1/2 x 1"	S	2 1/2 x 2 1/2"	2 3/8"	1.53
C1634	A-4775	1/2 x 1"	S	2 1/2 x 2 1/2"	2 3/8"	2.06

Push-Pull Inputs (1 Pl. to 2 G.)

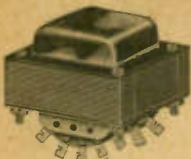
Stock No.	Type No.	Turns Ratio	Dimensions H x W x D	Mtg. Type	Mtg. Ctrs.	Wt. Lbs.	Your Cost
C1651	A-53C	3:1	1 1/2 x 2 1/2 x 1 1/2"	A	2"	1	\$0.91
C1690	A-63C	3:1	2 x 2 x 1 1/2"	A	2"	1	1.06
C1654	A-73C	3:1	2 x 3 x 1 1/2"	A	2 1/2"	1	1.32
C1691	A-4750	3:1	2 1/2 x 2 1/2 x 1 1/2"	S	2 3/8"	1	1.32
C1686	A-4719	3:1	2 3/8 x 2 3/8 x 2 1/2"	E	2 3/8"	2	2.32
C1587	A-82C	2:1	1 1/2 x 2 1/2 x 1 1/2"	A	..	1	1.06
C1588†	A-4745	2:1	2 1/2 x 2 3/8 x 2 1/2"	E	..	2	2.11
C1589*	A-4206	3:1	3 1/2 x 2 1/2 x 2 1/2"	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 1/2 x 1 1/2"	A	2 3/8"	1	\$1.32

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 ample safety 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. Lbs.	Your Cost
C1473	A	4	480-40	5-2	6.3-1.6		3 x 2 1/2	2 1/2 x 2	3	\$0.95
C5635	A	4	650-40	5-2	6.3-1.6		3 x 2 1/2	2 1/2 x 2	2	.99
C5636	A	5	700-50	5-2	6.3-2		3 x 2 1/2	2 1/2 x 2	2 1/2	1.59
C1518	A	6-7	700-60	5-2	6.3-2.5		3 x 2 1/2	2 1/2 x 2	2 1/2	1.72
C1519	A	7-10	700-70	5-2	6.3-3		3 3/8 x 2 1/2	2 1/2 x 2 1/2	3 1/2	1.77
C1521	A	4	650-40	5-2	2.5-4	2.5-4	3 x 2 1/2	2 1/2 x 2	2	1.15
C2431	A	5	700-50	5-2	2.5-5		3 x 2 1/2	2 1/2 x 2	2 1/2	1.40
C1505	A	7	700-70	5-3	2.5-7	2.5-3	3 3/8 x 2 1/2	3 1/2 x 2 1/2	3 1/2	1.86
C1507	A	8-9	700-90	5-3	2.5-10.5	2.5-3	3 3/8 x 3 1/2	3 1/2 x 2 1/2	4 1/2	2.12
C1509	A	10-11	700-110	5-3	2.5-15 1/4	2.5-3	3 3/8 x 3 1/2	3 1/2 x 2 1/2	4 1/2	2.72
C1456	B	4	650-40	5-2	6.3-1.6		2 1/2 x 2 1/2	2 x 1 1/2	2 1/2	1.19
C1457	B	5	700-50	5-2	6.3-2		2 1/2 x 2 1/2	2 x 1 1/2	2 1/2	1.35
C1458	B	6-7	700-60	5-2	6.3-2.5		2 1/2 x 2 1/2	2 x 1 1/2	2 1/2	1.80
C1459	B	8-9	700-75	5-3	6.3-3.2		2 1/2 x 2 1/2	2 1/2 x 2 1/2	3 1/2	1.95
C1525	B	10-11	600-150	5-3	6.3-3		3 3/8 x 3 1/2	2 1/2 x 2 1/2	7	2.39
C1460	B	12-13	750-125	5-3	6.3-5		3 3/8 x 3 1/2	2 1/2 x 2 1/2	5 1/2	2.51
C1526	B	12-14	675-200	5-3	6.3-5		4 x 3 1/2	3 1/2 x 2 1/2	5	3.10
C1461	B	13-15	800-160	5-3	6.3-6		3 3/8 x 3 1/2	2 1/2 x 2 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 1/2 x 2 1/2 x 1 1/2	2 1/2	Leads	1 lb.	\$0.85
C1620	Single Plate to P.P. Grids	A	3:1	1 1/2 x 2 1/2 x 1 1/2	2 1/2	Leads	1 lb.	.65
C1551	Single Plate to P.P. Grids	A	3:1	1 1/2 x 2 1/2 x 1 1/2	2 1/2	Leads	1 lb.	.85
C5448	200 Ohms D.B. Mike to Grid	A	20:1	1 1/2 x 2 1/2 x 1 1/2	2"	Leads	1 1/2 lbs.	.65

OUTPUT TRANSFORMERS

Stock No.	To Match	Cap. M't'g Watts 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 1/2 x 2 3/8 x 1 1/2	2"	Leads	1 lb.	\$0.44
C1611	Single Tube, 5000 ohms	3	A	4	1 1/2 x 2 3/8 x 1 1/2	2"	Leads	1 lb.	.44
C1613	Single Tube, 10,000 ohms	3	A	4	1 1/2 x 2 3/8 x 1 1/2	2"	Leads	1 lb.	.44
C19273	Universal Tube	4	A	All	1 1/2 x 2 3/8 x 1 1/2	2"	Leads	1 lb.	.65
C5667	Universal Tube	8	A	All	1 1/2 x 2 1/2 x 1 1/2	2 1/2	Leads	1 lb.	.79
C1535	Universal Tube	12	A	All	2 x 3 1/2 x 1 1/2	2 1/2	Leads	1 lb.	1.06
C1538	Universal Line*	18	B	All	2 1/2 x 2 1/2 x 1 1/2	2 1/2	Leads	2 lbs.	1.37
C1537	Heavy Duty P.P., 3000-10000 ohms	26	B	4 to 16	3 1/2 x 2 1/2 x 2	3 1/2	Leads	3 lbs.	1.95

*Matches 500, 1000, 1500 and 2000 ohm lines.

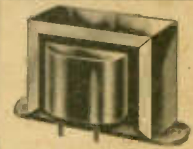
FILTER CHOKES

Stock No.	Induct. Henrys	Max. D.C. Ma.	D.C. Res. Ohms	Mtg. Flg.	Size In. H. W. D.	Mtg. Centers	Terminals	Shpg. Wt.	Your Cost
C1601	10	30-40	200	A	1 1/2 x 1 1/2 x 1 1/2	2 1/2	Leads	1 lb.	\$0.42
C1527	10	65	460	A	1 1/2 x 3 1/2 x 2 1/2	2 1/2	Leads	1 lb.	.75
C1528	10	85	250	A	1 1/2 x 3 1/2 x 2 1/2	2 1/2	Leads	2 lbs.	.80
C1603	15	30-40	400	A	1 1/2 x 1 1/2 x 1 1/2	2 1/2	Leads	1 lb.	.42
C1604	18	30-40	500	A	1 1/2 x 1 1/2 x 1 1/2	2 1/2	Leads	1 lb.	.42
C1570	30	110	235	A	2 1/2 x 3 1/2 x 2 1/2	3 1/2	Lugs	2 lbs.	1.05
C5638	30	110	200	A	2 1/2 x 4 x 2	3 1/2	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 1/2 x 2 1/2 x 1 1/2	2 1/2	Leads	1 lb.	\$0.75
C2388	2.5 volts c.t. @ 5 amps.	A	2 1/2 x 2 1/2 x 1 1/2	3 1/2	Leads	2 lbs.	.95
C2441	5 volts c.t. @ 4 amps.	A	2 1/2 x 3 x 1 1/2	2 1/2	Leads	2 lbs.	.75
C5495	6.3 volts c.t. @ 5 amps.	A	2 1/2 x 3 x 2	2 1/2	Leads	2 lbs.	.99
C1468	2.5 volts c.t. @ 10 amps.	C	3 1/2 x 2 1/2 x 2 1/2	2 x 1 1/2	Leads	3 lbs.	2.19
C1469	5 volts c.t. @ 6 amps.	C	3 1/2 x 2 1/2 x 2 1/2	2 x 1 1/2	Leads	3 lbs.	2.35
C1470	6.3 volts c.t. @ 4 amps.	C	3 1/2 x 2 1/2 x 2 1/2	2 x 1 1/2	Leads	3 lbs.	2.19
C1471	7.5 volts c.t. @ 5 amps.	C	3 1/2 x 2 1/2 x 2 1/2	2 1/2 x 2	Leads	3 lbs.	2.55
C1966	Tube Tester 1.1 to 117 volts (19 steps)	A	2 1/2 x 4 1/2 x 2	3 1/2	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.

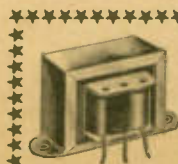
30 Henry Filter Choke



Inductance 30 Henrys, 50 ma. maximum d.c., resistance 450 ohms. Size: 2 1/2 x 1 1/2 x 2 1/2". Well made, heavy duty choke suitable for servicing and experimental use. Shpg. wt. 2 lbs.

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 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

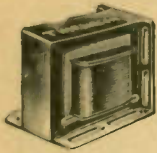
Matches any single or p.p. output tubes to any voice coil of from 1 to 15 ohms. Primary impedance 1000 to 20,000 ohms. Response flat from 30 to 10,000 cps. 2 1/2 x 2 1/2". Wt. 3 lbs.



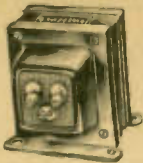
C5536—Each..... **\$1.18**



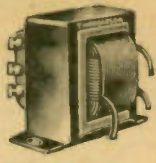
THORDARSON Replacement AUDIOS



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 1/2 x 1 1/2 x 1 1/2	3B	3/4	\$0.94
C265	T-29A99	3:1	2 1/2 x 2 x 2 1/2	2B	1 1/4	1.41
C266	T-57A36	3:1	2 1/2 x 2 1/2 x 2 1/2	2F	1 1/2	1.59
C213	T-47A25	3:1	2 1/2 x 2 1/2 x 2 1/2	2C	1	1.59
C268	T-57A38	3:1	3 3/8 x 2 1/2 x 3	2F	2 1/4	2.12
C211	T-75A74*	2:1	2 1/2 x 2 1/2 x 2 1/2	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 3/4 x 1 1/2 x 1 3/4	3B	3/4	\$0.94
C600	T-13A35	3:1	2 1/2 x 1 1/2 x 1 1/2	3B	3/4	1.06
C281	T-33A91	3:1	2 7/8 x 2 1/2 x 2 3/8	2B	1 1/4	1.41
C237	T-86A03	3:1	3 1/2 x 2 1/2 x 2	3B	1 1/2	1.59
C216	T-14A29	3:1	2 x 1 1/2 x 2 1/2	2C	1 1/4	1.76
C282	T-57A39	3:1	2 1/2 x 2 1/2 x 2 3/8	2F	1 1/2	1.76
C283	T-57A40	3:1	3 3/8 x 2 1/2 x 3	2B	2	2.29
C284	T-57A41	3:1	3 3/8 x 2 1/2 x 3	2F	2 1/4	2.47
C301	T-74A31	1:1	3 3/8 x 2 1/2 x 3	2F	2 1/4	2.47
C601*	T-13A36	1:1	3 3/8 x 1 1/2 x 2	3B	1	1.41
C272*	T-58A70	1.5:1	3 3/8 x 2 1/2 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 1/2	1.18
C252	T-47C07	3B	12	75	410	1 1/2	1.18
C254	T-44C02	3B	12	80	405	1 1/2	1.06
C287	T-57C51	2B	6	80	138	1 1/2	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	200	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 1/2	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, intercommunicators, etc. All are 2 1/2 x 1 1/2 x 1 1/2" 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. Type	Wt. Lbs.	Your Cost
C375	T-65A73	DB mike to grid	200/50	100,000	2F	2	\$2.12
C402	T-83A78	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-14881	S or P-P; A	700.0 Ct.—3 to 6		5	3B	\$0.88
C536	T-14883	S; A	25,000 Ct.—3 to 6		5	3B	.88
C537	T-14884	S; A	8000—3 to 6		5	3B	.88
C602	T-13837	S; A	7000—1-2-4		5	3E	.88
C376	T-13839	S; A	4000—1-2-4		5	3E	.88
C276	T-33899	P.P.; A	8000 Ct.—6 to 12		10	2B	1.06
C386	T-13840	P.P.; A	14,000 Ct.—1-2-4		10	3E	1.06
C387	T-81801	P.P.; B	10,000 Ct.—2-4-8		8	2B	1.06
C388	T-17810	S; A	2500—2-4-8-500		8	2F	2.12
C390	T-17811	P.P.; AB ₁	8000*—4-8-15-250-500		15	2F	3.18
C391	T-17812	P.P.; AB ₂	4300*—4-8-15-250-500		25	2F	3.18
C392	T-17813	P.P.; AB ₁	6600*—4-8-15-250-500		34	2G	4.23
C393	T-17814	P.P.; AB ₂	5500*—4-8-15-250-500		40	2G	4.23
C471	T-17815	P.P.P.; AB ₁	3300*—4-8-15-250-500		60	2G	4.59
C327	T-67851	P.P.; A	14,000—4-8-15-500		20	2F	2.47
C329	T-67848	P.P.; A & B	8000—4-8-15-500		25	2F	2.47
C273	T-58872	P.P.; A & AB	3000—4-8-15-500		30	2F	2.65
C326	T-67854	P.P.; A & AB	5000—4-8-15-500		30	2F	2.82
C331	T-67892	P.P. Par. A and AB	1500—4-8-15-500		40	2F	2.82
C328	T-65894	P.P.; A, AB ₁	8000—4-8-15-500		40	2F	2.82
C330	T-75875	P.P.; A, AB & AB	10,000—4-8-15-500		40	2F	2.82
C507	T-84858	P.P.; AB ₁	3800—4-8-15-500		60	2G	4.23
C364	T-89875	P.P.; AB ₁	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 Oper. §	Ohms Impedance Pri.	Sec.	Max. Watts	Mtg. Fig.	Your Cost
C603	T-13S38	Sin. or P.P.; Cl. A	4000/7000	Adjust.	8	3E	\$1.06
C278	T-57801		8000/10,000	.1 to 29	8	2E	1.41
C474	T-57802		14,000 Ct.	29	8	2B	1.41
C275	T-17857				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 6000/7000 8000/10,000	Adjust. .1 to 29	20	2E	1.94

Universal Tube To Line

Stock No.	Thord. No.	Induct. Hys.	Max. Ma.	D.C. Ohms	Mtg. Type	Shpg. Wt. Lbs.	Your Cost
C297	T-61S25	Univ. Single; A	2500/4000 5000/6000/7000	500	10	2E	\$2.29
C298	T-61S26	Univ. P.P.; A	8000/10,000 12,000/14,000 c.t.	500	10	2E	2.47

Universal Line To Speaker

Stock No.	Thord. No.	L. to V.C. to Multiple spkrs.	Induct. Hys.	Max. Ma.	D.C. Ohms	Mtg. Type	Shpg. Wt. Lbs.	Your Cost
C299	T-538 S1	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 1500/2000 ohm. 06 to 8; 2500/3000 ohm. as 1000 ohm.-12to16	Pri. as 500	10	2E	2.12	
C453	T-14S80	L. to V.C.	500—2-4-6-8		12	2E	1.41	
C454	T-76874	L. to Multiple spkrs.	500—250/166/125/ 100/84 (auto trans.)		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	6150	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" o.d.

Driver Transformers

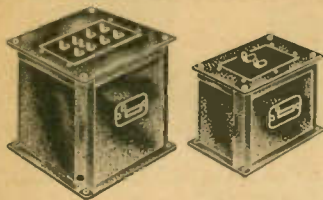
No.	Type	Mtg.	Input Tubes	Output Tubes	Class	Each
C308	T-67D78	2F	1-46, 59, 6F6, 42, 2A5 Triode	2-46, 59 2-6L6	B AB2	\$2.12
C338	T-74D32	2F	2-6C5, 76, 56	2-6F6, 42, 2A5 4-2A3, 6B4G	AB2 AB	2.29
C316	T-78D46	2B	1-30	1-1J6G, 19, 2-30	B	1.06
C322	T-54D63	2F	1-30, 1-49, 1-6C5	1-1J6G, 1-19 2-49, 2-6V6	B AB2	1.59
C340	T-81D42	2F	1-6F6, 42, 2A5 Triodes	2-6F6, 42, 2A5 Triodes or Pta.	AB2	2.29
C508	T-84D50	2F	2-6C5, 6N7 2-6A4, 53	2-6L6, 6V6 2-6N7, 6A6, 53	AB2 AB	2.29
C457	T-17D01	3B	6F6, 42, 2A5 Tr.	2-6F6, 6L6	B	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 1/4"	2"	2 1/4"
RB	3 1/4"	2 3/4"	2 3/4"
RC	3 3/8"	2 3/4"	3 1/4"
RD	3 3/8"	3"	4 1/4"
RE	5 1/8"	3 7/8"	5"
RF	5 1/8"	4 1/8"	5"
RG	5 1/8"	5 1/8"	5"
RH	9"	7 1/8"	7"
RJ	9"	8 3/4"	7 1/2"
RK	9"	8 3/4"	9"
RL	13"	8 3/4"	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.	26.30
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
		Pri.	Sec.					
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.	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	180000	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 Mtg.	Wt. Lbs.	Each
			Prim.	Sec.				
C1817	A-9540*	L-L	50, 125, 200	50, 125, 200	+24	RB	3	\$3.23
			250, 333, 500	250, 333, 500	DB	RC	3	
C1818	A-9541	L-VC	250, 500	4, 8, 15	15	RC	3	3.67
C1819	A-9542	L-VC	250, 500	4, 8, 15	30	RD	6	3.97
C1820	A-9543	L-VC	250, 500	4, 8, 15	60	RE	10	5.59
C1821	A-9544	L-VC	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.	55.59
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, 1:2.25, 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 1/4 x 4 1/2 x 3 1/2"
 Type G Case: 3 3/8 x 4 1/2 x 4 1/2"
 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, 6P6	E	3	\$3.53

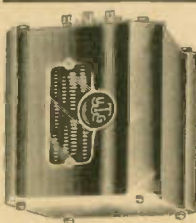
Filter Chokes

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 1/2 x 3 1/2"; B—3 1/2 x 4 1/2 x 4 1/2"; C—5 x 5 1/2 x 5 1/2"; D—6 1/2 x 6 1/2 x 5 1/2".

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

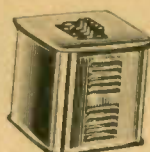
Type	Height	Width	Depth
G-1	17/8"	2"	13/4"
G-2	23/16"	23/8"	115/16"
G-3	21/2"	23/4"	21/8"
G-4	215/16"	31/8"	23/16"
G-5	33/8"	31/8"	49/16"
G-6	43/8"	33/4"	51/2"



G1 TO G4



G5 TO G11



Case Dimensions

Type	Height	Width	Depth
G-7	53/8"	49/16"	59/16"
G-8	53/8"	51/2"	51/2"
G-9	61/8"	55/16"	613/16"
G-10	61/8"	63/16"	611/16"
G-11	71/8"	69/16"	73/8"

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 tubes 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
C5844	S-14	2500, 4000, 7000	10	G-2	\$2.79
C5845	S-15	4000, 5000, 10,000.	12	G-2	2.94
C5846	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	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.

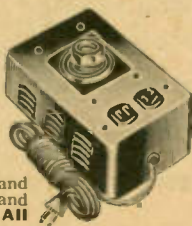
Stock No.	Type No.	Fil. No. 1 Volts Amps.	Fil. No. 2 Volts Amps.	Fil. No. 3 Volts Amps.	Case	Your Cost
C5865	S-65	2.5 5 5	6.3 4	6.3 3	G-5	\$3.53
C5868	S-68	5 3 6.3	4 4	7.5 5	G-5	3.82
C5870	S-70	6.3 5 6.3	5 5		G-5	3.82

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 3/4"	10 lbs.	\$ 8.33
C5771	V-1	570	5	5 x 8 1/2 x 3 1/2"	14 lbs.	11.76
C5716	*V-1-M	570	5	5 x 10 1/2 x 3 1/2"	14 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 1/2 x 9 1/2 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	Hy.	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
High volt. 525-425-0-425-525 at 250 ma.; 5 v. at 3 a. (rect.); 6.3 v. c.t. at 3 a.; 6.3 v. c.t. at 3 a. G-7. Wt. 12 lbs.	\$5.88
C5840—S-40. Your Cost	\$5.88
High volt. 600-0-600 at 200 ma.; 5 v. at 3 a. (rect.); 7.5 v. tapped at 6.3 v. at 3 a.; 6.3 v. c.t. at 2 a. G-7. Wt. 11 lbs.	\$5.29
C5841—S-41. Your Cost	\$5.29
High volt. 600-525-0-525-600 at 300 ma.; 5 v. at 3 a. (rect.); 7.5 v. tapped at 6.3 v. at 3 a.; 6.3 v. c.t. at 3 a. G-8. Wt. 14 lbs.	\$7.06
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-24. 1 Triode plate 8000/15000 ohms to line.

Your Cost Each, \$6.47

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 \$7.06





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 3/8 x 3 3/4 x 3 3/8	7	54.23
C642	*T19P55	660	250	3	4 3/8 x 3 3/4 x 4 1/8	8	4.59
		550					
C643	T19P56	900	225	3	4 3/8 x 3 3/4 x 4 1/8	10	4.94
		800					
C644	†T19P57	1075	125	3	4 3/8 x 3 3/4 x 4 1/8	11	6.00
		500	150				
C645	T19P59	1560	300	5‡	6 x 5 1/2 x 7 3/8	26 1/2	12.35
		1250					
C648	T19P63	1560	500	5‡	6 1/2 x 6 3/4 x 8 3/8	38	18.17
		1265					
C649	T19P67	2450	500	5‡	9 3/4 x 7 1/2 x 6 3/8	51	35.28
		2125					

*Indicates bias tap at 30 volts. †Have insulated bushings. ‡Designed for double rectifiers. 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	T50F61	2.5	3.5	1600	6	2 1/2 x 1 1/2 x 2 1/2	1	\$1.23
C304	T19F88	2.5	5.25	1600	6	2 1/2 x 2 1/2 x 2 1/2	1	1.41
C305	T19F89	2.5	10	1600	6	3 x 2 1/2 x 3	2	1.59
C306	T19F90	2.5	10	1700	1	2 1/2 x 2 1/2 x 3 1/2	2	2.12
C450	T64F33*	2.5	10	7500	8	3 1/2 x 3 1/2 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 1/2 x 3 x 3 1/2	2	2.29
C501	T19F83	5	5	1600	6	3 1/2 x 2 1/2 x 3	2	1.59
C515	T19F84	5	8	1600	1	2 1/2 x 2 1/2 x 3 1/2	3	1.94
C519	T19F85	5	13	1600	1	3 1/2 x 2 1/2 x 4	4	2.82
C520	T19F86	5	21	1600	1	3 1/2 x 2 1/2 x 4	5	3.88
C467	T74F23	5	13	1600	8	3 1/2 x 3 1/2 x 4	5	3.53
C468	T74F24	5	21	1600	8	3 1/2 x 3 1/2 x 4 1/2	6	6.00
C307	T19F91	5.25	4	1600	1	2 1/2 x 2 1/2 x 3 1/2	2	1.76
C309	T19F92	5.25	13	1600	1	3 1/2 x 2 1/2 x 4	4	2.47
C549	T19F90	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 1/2	1	1.06
C311	T19F97	6.3	3	1600	6	2 1/2 x 2 x 2 1/2	2	1.23
C303	T61F85†	6.3, 2.5	2.5	1600	2	3 1/2 x 2 1/2 x 2 1/2	2	1.59
		5, 2.5						
C373	T73F60*	6.3	5	1600	8	2 1/2 x 2 1/2 x 3 1/2	4	2.82
C312	T19F98	6.3	6	1600	1	2 1/2 x 2 1/2 x 3 1/2	3	1.94
C313	T19F99	6.3	10	1600	1	3 1/2 x 2 1/2 x 4	4	2.47
C314	T19F93	7.5	4	1600	1	2 1/2 x 2 1/2 x 3 1/2	2	1.76
C315	T19F94	7.5	8	1600	1	3 x 2 1/2 x 3 3/4	4	2.12
C374	T92P20	7.5	8	1600	8	3 1/2 x 3 1/2 x 4	5	3.70
C533	T19F95	10	4	1600	1	2 1/2 x 2 1/2 x 3 1/2	3	1.94
C499	T10F96	10	8	1600	1	2 1/2 x 2 1/2 x 3 1/2	4	2.47
C442	T64F14*	10	8	1600	8	3 1/2 x 3 1/2 x 4	5	3.53
C497	T10F87	10	12	1600	1	3 1/2 x 3 1/2 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

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. H. W. D.	Mtg. Lbs.	Each
C1860	P8042	600	300	4 1/8 x 3 3/8 x 6 1/2	3	16 \$10.58
C1861	P8043	750	300	7 1/2 x 6 1/8 x 8	5	27 15.88
C1862	P8026	1250	300	7 1/8 x 7 3/8 x 8 3/4	5	36 19.99
C1863	P8028	1500	300	7 1/8 x 7 3/8 x 9	5	38 22.05
C1864	P8032	2000	300	7 7/8 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 1/2	3	\$2.23
C1766	C1702	8-30	250	60	3 1/2 x 3 x 3	6	4 2.94
C1829	C1402	8-30	250	60	3 1/2 x 3 x 3 1/2	3	5 3.23
C1769	C1720	5-25	300	80	4 1/2 x 3 1/2 x 3 1/2	6	9 3.70

FILTER CHOKES

C1830	C1410	20	175	100	3 1/2 x 2 1/2 x 2 1/2	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 1/2 x 3 1/2 x 3 1/2	3	5	3.09
C1767	C1703	15	250	60	3 1/2 x 3 x 3 1/2	6	4	2.94
C1833	C1413	12	300	80	4 1/2 x 3 1/2 x 3 1/2	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 1/2 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 1/2 x 3 x 3 1/2	6	4	2.79
C1781	P5016	10.0	4	3 1/2 x 3 x 2 1/2	6	3	2.23
C1791	P4096	10.0	5	3 1/2 x 3 1/2 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	AB	3	\$2.53
C1897	A4702	89, 2A3, 45, 46, 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 watts; primary per side,—60 ma. Cap. C1618, 30 watts; 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 1/2 x 3 1/4	\$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 1/2 x 3 1/4	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, 11Y61, RK41, PP Par. 6L6	4000, 5000, 7500, 10000	60 W.	8	8	5.41
C1757	A2907	PP 10, T20, TZ, 20, 11Y25, 35, 46, 801, 809	3300, 5000, 6800, 9000, 12,500	90 W.	8	10	7.03
C1758	A2908	PP RK18, T20, T220, 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, 100TL	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.

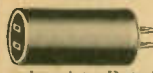
Stock No.	Type No.	Max. Audio	Pri. Ma. Per Side	Sec. Ma. Ser. Par.	Dimen. HxWxD	Type Mtg.	Each
C1621	A-3892	30W	80	80	160	3 1/2 x 3 1/2 x 4 1/2	1 \$5.00
C1622	A-3893	60W	125	125	250	3 1/2 x 3 1/2 x 4 1/2	1 5.88
C1638	A-3895	300W	260	260	520	7 x 6 1/2 x 6 1/2	1 24.40

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. $1\frac{1}{2} \times 2\frac{1}{4}$ "

C12510—Each **53¢**
Z-2. Capacitive-inductive 3 amps. at 110-220 v. $1\frac{1}{2} \times 2\frac{1}{4}$ "

C12511—Each **82¢**



DeLux "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. $1\frac{1}{2} \times 3\frac{1}{4}$ "

C12516—Each **\$1.23**

W-7 Motor Type

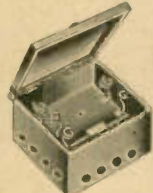


Dual capacity unit for use on motor brushes or rings. Bracket for mtg. to frame. For moderate interference. 110-220 volts. $\frac{3}{8} \times 1\frac{1}{2}$ "

C12512—Each **53¢**
W-11. Like above, for severe interference. $1\frac{1}{2} \times 3$ "

C12513—Each **88¢**

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	6x 6x4"	12 lbs.	\$8.47
C12518	20	10x10x6"	18 lbs.	19.76
C12519	40	12x10x6"	25 lbs.	24.70

Heavy Duty Filters



LC-5. Inductance-capacity filter for severe interference. Rated 110-220 V., 5 amps. Has cord and plug and receptacle. 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**

Cornell-Dubilier "Quietones"



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.



For These	For These
Adding Machines	IF-18 Cash Registers
Addressing Machines	IF-18 Dishwashers
Billing Machines	IF-18 Floor Polishers
Dental Machines	IF-19 Food Mixers
Dietating Machines	IF-19 Fans
Drilling Machines	IF-19 Juice Extractors
Washing Machines	IF-19 Massagers
Air Conditioners	IF-18 Radios
Auto Call Systems	IF-18 Refrigerators
Barber Clippers	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.

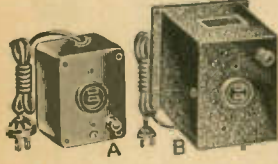
C12496—Your Cost Each **\$1.26**
IF-22B. Like above, but for Packard, Zephyr, Remington-Rand, Ronson, etc. shavers.

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: $4\frac{1}{2} \times 3\frac{1}{2} \times 1\frac{1}{2}$ ". 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 $5\frac{1}{2} \times 4\frac{1}{2}$ ". 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 $6 \times 6 \times 4\frac{1}{2}$ ", 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.

DeLux Filter—Cures the most obstinate cases. $4\frac{1}{2} \times 1\frac{1}{2} \times 1\frac{1}{2}$ ". Shpg. wt. 1 lb.

C12520—Your Cost **75¢**

Cornell-Dubilier Filter (right)
Standard Filter—In cylindrical can $2\frac{1}{2} \times \frac{3}{8}$ ". Shpg. wt. $\frac{1}{2}$ 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 dual motors, etc. $2\frac{1}{2} \times 1$ " 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
 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—1 oz. bottle **38¢**
"916-R" 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. Ea. **35¢**

Radio Service Cement
 Suitable for cementing replacement cones and repairing tone cones. Used on glass, to hold wires in place, etc. Vibration-Proof, Water-proof, Fast-Drying.

C15314—2 oz. bottle, brush attached to cap. **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. Mount in $\frac{1}{2}$ " hole.

Panels up to $\frac{1}{4}$ " thick, $1\frac{1}{4}$ " 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.....

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 $\frac{1}{8}$ " and extend $\frac{1}{8}$ ". 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 6 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 5 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	1331L	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	51.21
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¢

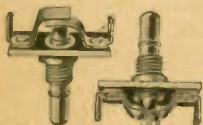
"3100" Series Single-Gang Tap and Circuit Selector Switches



Suitable for use in many types of test circuits. 2" notched shafts, $\frac{1}{4}$ " diam. With black bar knob and mounting nut, $\frac{1}{4}$ " 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	Bar Diam.	Your Cost
C6878	3115J	C6888	3215J	One	5	$1\frac{1}{16}$ "	\$0.53
C6879	3111J	C6889	3211J	One	12	$1\frac{1}{16}$ "	.53
C6890	3122J	C6890	3222J	Two	2	$1\frac{1}{16}$ "	.53
C6891	3123J	C6891	3223J	Two	3	$1\frac{1}{16}$ "	.53
C6880	3126J	C6892	3226J	Two	6	$1\frac{1}{16}$ "	.53
C6881	3134J	C6893	3234J	Three	4	$1\frac{1}{16}$ "	.65
C6882	3142J	C6894	3242J	Four	2	$1\frac{1}{16}$ "	.62
C6883	3143J	C6895	3243J	Four	3	$1\frac{1}{16}$ "	.65
C6884*	3111J	C6896*	3211J	One	17	$1\frac{1}{16}$ "	.97
C6885*	3129J	C6897*	3229J	Two	9	$1\frac{1}{16}$ "	.97
C6886*	3136J	C6898*	3236J	Three	6	$1\frac{1}{16}$ "	1.06
C6887*	3163J	C6899*	3263J	Six	3	$1\frac{1}{16}$ "	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 $\frac{1}{8}$ " bushing, $\frac{1}{4}$ " long. Button extends $\frac{1}{8}$ " 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
C12825	2 3	Positive	C12799
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.....

59¢

Mounting Plates

No.	Gangs	Dimen.	Each
C12794	1	2 $\frac{1}{2}$ " x $\frac{1}{4}$ "	12c
C12795	2	1 $\frac{1}{2}$ " x $\frac{1}{4}$ "	18c
C12796	3	2 $\frac{1}{4}$ " x $\frac{1}{4}$ "	21c
C12797	4	3" x $\frac{1}{4}$ "	26c
C12798	5	3 $\frac{1}{4}$ " x $\frac{1}{4}$ "	29c

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.	29c
C12769*	S.P. 3 pos.	29c
C12770*	D.P. 2 pos.	35c
C12820*	D.P. 3 pos.	44c
C12771†	S.P. 2 pos.	38c
C12772†	D.P. 2 pos.	44c
C12773†	4 P. 2 pos.	59c

*—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 14" base 3100J and 3200J. 20° spacing for all type 3100J, 3200J switches with $1\frac{1}{4}$ " base.



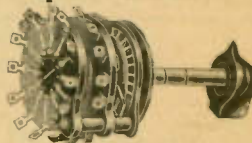
Marking	30° Spacing	20° Spacing	Stk. No.	Stk. No.
1 to 2	C6224			
1 to 3	C6225	C6303		
1 to 4	C6226	C6304		
1 to 5	C6227	C6305		
1 to 6	C6228	C6306		
1 to 7	C6229	C6307		
1 to 8	C6230	C6308		
1 to 9	C6231	C6309		
1 to 10	C6232	C6310		
1 to 11	C6233	C6311		
1 to 12	C6234	C6312		
1 to 15		C6243		

Volume
Off—1 to 3
Off—1 to 4
Off—1 to 5
Off—1 to 6
Off—1 to 7
Off—1 to 8
Off—1 to 9
Off—1 to 10
Any Type
Your Cost.....

12¢

C6223 Marked "0-100". Each 15c

Special Switches



No. 1400L—12 positions; opens one line at a time while maintaining circuit through others. $1\frac{1}{2}$ " x $2\frac{1}{2}$ " wide. $\frac{3}{8}$ " bushing. 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.....

Holders Only for Above

C6420—For 1 Cell.....9c

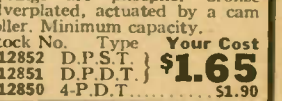
C6421—For 2 Cells.....15c

C6422—For 3 Cells.....18c

C6423—For 4 Cells.....24c

21¢

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. $1\frac{1}{8}$ ", 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-DS—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. Underwriter's 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 1 1/2" high. Screw terminals with lugs. Used for starters, 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—3/4" wide by 1 1/2" high. Terminals are mounted on 3/8" centers. 1/2" metal to metal spacing over bakelite. Screws are 5/40x3/8".
No. 141—1 1/4" wide by 1 1/2" high. Terminals mounted on 3/8" centers. 3/8" metal to metal spacing over bakelite. Screws are 6/32x1 1/4".

No. Stock	No. Stock	Terminals	No. 140-141 Price
C12527	C12539	2	11¢-14¢
C12528	C12540	3	16¢-20¢
C12529	C12541	4	20¢-25¢
C12530	C12542	5	24¢-30¢
C12531	C12543	6	27¢-35¢
C12532	C12544	7	31¢-40¢
C12533	C12545	8	35¢-46¢
C12534	C12546	9	40¢-51¢
C12535	C12547	10	44¢-56¢
C12536	C12548	11	48¢-62¢
C12537	C12549	12	52¢-67¢

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 amperes at 125 v.). Stems 1/2" diam.

Model	Stem	Your Cost, Each
C12836	1/2" Stem	22¢
10 for		\$1.98
C12835	1" Stem	25¢
10 for		\$2.25
Single Pole-Double Throw		
C12834	1/2" Stem	26¢
Your Cost, Each		\$2.34
10 for		\$2.34
Double Pole-Double Throw		
C12833	1/2" Stem	44¢
Your Cost, Each		\$3.96
10 for		\$3.96
Double Pole-Single Throw		
C12817	1/2" Stem	42¢
Your Cost, Each		\$3.78
10 for		\$3.78

C-H Power Switches

Heavy duty types. Rated at 250 volts A.C. or D.C. Wiping contacts. 1/2" bushings.



No.	Type	Amps.	Ea.	10 for
C12813	S.P.S.T.	6	45¢	\$4.05
C12814	D.P.S.T.	5	49¢	4.41
C12815	S.P.S.T.	12	78¢	7.02
C12816	D.P.S.T.	10	83¢	7.47

Midget Knife Switches

Panel mounting. Have black Bakelite bases, plated metal parts. Single pole types 1 1/4" long, 3/8" wide; double pole 1 1/2" long, 1" wide. With mtg. nuts.

No.	Type	Your Cost Each
C16842	S.P.S.T.	19¢
C16843	S.P.D.T.	32¢
C16845	D.P.S.T.	38¢
C16844	D.P.D.T.	40¢

Porcelain Base Knife Switches

Especially suitable for aerial and ground. Copper contacts and blades.

Stock No.	Type	Your Cost
C16820	S.P.S.T.	13¢
C16821	S.P.D.T.	16¢
C16822	D.P.S.T.	23¢
C16823	D.P.D.T.	27¢
C16825	3-P.D.T.	53¢

Terminal Strips

Hi-quality bakelite terminal strips, 1/2" thick. Plain, no markings.

No.	Terminals	Ea.	10 For
C13145	2	6¢	52¢
C13123	3	7¢	62¢
C13112	4	10¢	89¢
C13113	6	15¢	\$1.35

BAKELITE MOUNTING STRIPS

For mounting parts which are to be insulated from chassis. Tinned.

Stock No.	Lugs	Each	10 For
C13124	1	2¢	14¢
C13133	2	3¢	16¢
C13134	3	3¢	18¢
C13135	4	4¢	33¢
C13137	6	4¢	33¢

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

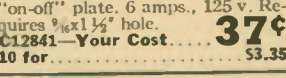
Exposed type. Dead center position. 1/2" shaft, with hex. nut. **C12832—24¢**
10 for.....\$2.16



Single Pole-3 Throw
Same as above, 1/2" shaft. **C12831—10 for.....\$4.41**
Your Cost, Each.....49¢

S.P.S.T. Slide Switch

Approved by Underwriters. Bakelite case, metal "on-off" plate. 6 amps., 125 v. Requires 1/16x1 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—2¢**
10 for.....15¢

Canopy Switch

Rotary type, composition top. Very shallow. Wire leads. Rated 3 amp. at 125 volts. **C13342—12¢**
10 For....\$1.08

Bakelite Knife Switches

Heavily plated metal parts, bakelite base. Single pole types 1 1/4" long; double pole 2 1/4".

Stock No.	Type	Your Cost
C16830	S.P.S.T.	45¢
C16831	S.P.D.T.	53¢
C16832	D.P.S.T.	61¢
C16833	D.P.D.T.	71¢
C16834	3-P.S.T.	99¢
C16835	3-P.D.T.	\$1.06
C16836	4-P.S.T.	1.32
C16837	4-P.D.T.	1.58

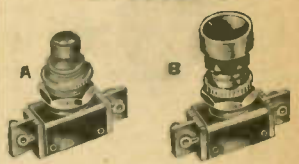
Bat-Handle Toggle Switches



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.	32¢	\$2.88
C12761	S.P.D.T.	41¢	3.69
C12762	D.P.S.T.	50¢	4.50
C12763	D.P.D.T.	66¢	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 amps. at 125 v. a.c. Bushing 1/2" dia., 1/2" long.

METAL PLUNGER (A)

Used on Supreme instruments and other popular makes. **C12774—10 For \$3.15**

BAKELITE TIP (A)

C12777 Red Ea. 37¢ \$3.33

C12778 Black Ea. 37¢ \$3.33

BAKELITE BUTTON (B)

C12775 Red Ea. 42¢ 10 For \$3.78

C12776 Black Ea. 42¢ 10 For \$3.78

H. & H. Rotary Panel Switches

Rated 3 amps., 125 volts. Approved type. With locknuts. Shaft extends 1". Bushing 3/4" in diameter. With lug terminals.

No.	Type	Each	10 For
C12779	S.P.S.T.	22¢	\$1.98
C12693	S.P.D.T.	26¢	2.34
C12780	S.P.S.T.*	29¢	2.61
C12781	D.P.S.T.	42¢	3.78
C12782	D.P.S.T.*	47¢	4.23
C12783	D.P.D.T.	45¢	4.05
C12784	D.P.D.T.*	49¢	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., 3/4" body depth; bushings are 3/8" diam. 1 1/2" shaft.

Stock No.	Description	Your Cost Each
C12845	S.P.—S.T.	29¢
C12846	D.P.—S.T.	35¢
C12847	S.P.—D.T.	35¢
C12848	4-Wire, S.T.	35¢

SPST TOGGLE SWITCH

Manufacturers type with 6" stranded insulated wire leads. Rated 3 amps 250 volts. 1/4" threaded shank. 1/2" long. Bright nickel plated finish.

C12688—Your Cost Each 22¢

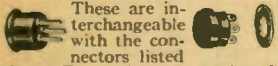
Miniature Connectors



Molded bakelite connectors in cadmium plated brass shells. Only 1 3/16" long, 11/16" 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.

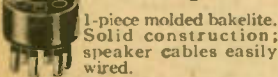
Sockets	Plugs	Cont.	Each
C11599	C12708	3	8c
C12701	C12709	4	8c
C12702	C12710	5	10c
C11542	C12711	6	10c

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		8 1/2¢

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 1/4" cables. Dia. 1 1/8". Unbreakable metal caps.

WITH CLAMP (A)

No. Description
C11546—Receptacle
C11545—Standard Plug
C11647—Polarized Plug
Your Cost, Any Above, Each **24¢**

SIDE OUTLET (B)

C11548—Receptacle
C11547—Standard Plug
C11650—Polarized Plug
Your Cost, Any Above, Each **21¢**

END OUTLET (C)

C11651—Receptacle
C11652—Standard Plug
C11653—Polarized Plug
Your Cost, Any Above, Each **21¢**

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 Permalub 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) - Straight Connector With Coupling Ring (B)

Male. Right angle; rear end can be swung through 360°. Use with units having coupling threads. Male. Use with connector 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

Female. Has square mounting flanges for permanent assembly to chassis with screws or rivets. Male. Like above, but with coupling threads.

Chassis Unit (D) - Straight Connector With Coupling Threads (C)

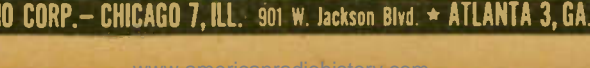
Female. Like above, but with coupling threads.

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

*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 1/2" 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 3/4", (C) hole—1 3/8", Mtg. ctrs.—1 3/4", (D) diam.—2 3/8", height—1 1/8".

No. Poles	Type	Each
C11502	2 Receptacle	15c
C11503	2 Standard Plug	15c
C11624	2 Polarized Plug	21c
C11625	3 Receptacle	21c
C11626	3 Polarized Plug	21c
C11500	2 Receptacle WITH PLATE (B)	16c
C11501	2 Standard Plug	16c
C11627	2 Polarized Plug	16c

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 1/4" D. Chassis type req. 1 1/4" hole.

Con-tacts	Male Plug	Female Conn.	Chassis Conn. C
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 1/4" diam. POLARIZED, with numbered contacts. Fully shielded. Elements are interchangeable. Shell may be used as fifth conductor.

C13314	Male (A)	\$1.47
C13316	Female (B)	1.47
C13320	Panel receptacle (C)	1.47

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" D., 1 1/4" L.

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 1/8" 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 1/4".

C11479	Per Pair	15c
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JACKS PLUGS SOCKETS

MALLORY PRODUCTS

Midget Jacks

Fibre insulation. $\frac{1}{8}$ " 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. $2\frac{1}{4}$ " long x $\frac{3}{8}$ " diam. Screw connections.
C14974—Black **32¢**
C14971—Red. Each.....
 10 For..... \$2.85

Metal Shell Type

Same with nicked brass shell $3\frac{3}{8}$ " x $\frac{1}{2}$ ". 10 For \$4.75
C14970—Each..... **53¢**

"Stubby" Metal Shell

As above but with short metal shell. $2\frac{1}{4}$ " 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.

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-155.
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. **C6348**—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 $\frac{1}{8}$ " 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 $3\frac{1}{8}$ " behind panel. Pure silver contacts. Bakelite separators.

No.	Open Circuit.	Each
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 $1\frac{1}{8}$ " behind the panel. Heavily plated springs.

No.	Open Circuit.	Each
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. $1\frac{1}{4}$ " dia. $\frac{1}{4}$ " thick.
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-mitters, etc. Insulated threaded heads and handles. Hardware furnished with jacks. Medium jacks for panels up to $\frac{3}{8}$ " thick; giant jacks for panels up to $\frac{1}{2}$ " thick.

Medium Plugs— $2\frac{1}{2}$ " x $3\frac{3}{4}$ "	Each
C12870—Black & Red	32¢ ea.
C12871—Black	
Medium Jacks— $2\frac{1}{2}$ "	Each
C12872—Black & Red	56¢ ea.
C12873—Black	
Giant Plugs— $2\frac{1}{2}$ " x $3\frac{3}{4}$ "	Each
C12785—Black & Red	44¢ ea.
C12786—Black	
Giant Jacks— $2\frac{1}{2}$ " x $3\frac{3}{4}$ "	Each
C12787—Black & Red	68¢ ea.
C12788—Black	

Signal Corps Jacks

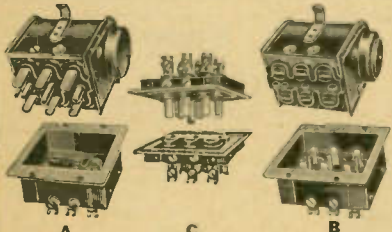
Single open circuit jack. Equivalent of Signal Corps Jack JK-34A. Mechanically perfect. Cannot pass official requirements, because of slight imperfection in finish.
C6340
Your Cost..... **24¢**

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 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.

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

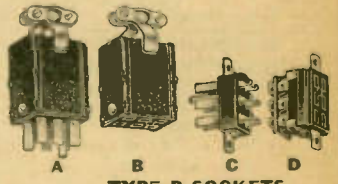
Con-tacts	With Cap (A)		Deep Bracket (B)		Shallow Bracket (C)	
	Stock No.	Your Cost	Stock No.	Your Cost	Stock No.	Your Cost
2	C12730	\$1.18	C12736	\$1.03	C12742	\$1.03
4	C12731	1.68	C12737	1.47	C12743	1.47
6	C12732	2.18	C12738	1.91	C12744	1.91
8	C12733	2.68	C12739	2.35	C12745	2.35
10	C12734	3.18	C12740	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				TYPE B SOCKETS					
Standard Duty	Heavy Duty	Standard Duty	Heavy Duty	Standard Duty	Heavy Duty	Standard Duty	Heavy Duty		
Stock No.	Your Cost	Stock No.	Your Cost	Stock No.	Your Cost	Stock No.	Your Cost		
C12460	22c	2	C12400	42c	C12466	22c	2	C12412	45c
C12461	25c	4	C12401	51c	C12467	26c	4	C12413	57c
C12462	29c	6	C12402	60c	C12468	31c	6	C12414	69c
C12463	32c	8	C12403	69c	C12469	35c	8	C12415	81c
C12464	36c	10	C12404	78c	C12470	40c	10	C12416	93c
C12465	40c	12	C12405	87c	C12471	45c	12	C12417	\$1.05

Chassis Type Plug (C)				Chassis Type Socket (D)					
Standard Duty	Heavy Duty	Standard Duty	Heavy Duty	Standard Duty	Heavy Duty	Standard Duty	Heavy Duty		
Stock No.	Your Cost	Stock No.	Your Cost	Stock No.	Your Cost	Stock No.	Your Cost		
C12472	10c	2	C12426	27c	C12478	10c	2	C12406	30c
C12473	13c	4	C12427	33c	C12479	14c	4	C12407	39c
C12474	16c	6	C12428	39c	C12480	18c	6	C12408	48c
C12475	19c	8	C12429	45c	C12481	22c	8	C12409	57c
C12476	22c	10	C12430	51c	C12482	26c	10	C12410	66c
C12477	25c	12	C12431	57c	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 1/4" mounting centers. Cannot come loose or rattle. Strong, dependable.

Stock No.	Prongs	Your Cost, Ea.
C13164	4	6¢
C13165	5	
C13166	6	
C13167	7, small	7¢
C13168	7, large	
C13169	8, octal	
C13223	9	9c
C13224	11	12c

Midget "MIP" Octal

Smaller, more compact than above. Has 1 1/8" mtg. centers. Octal, 8 prongs, only.

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.

C13185
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'miters.

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 1/8" 1 1/2" mounting centers.



No.	Pr.	Ea.	No.	Pr.	Ea.
C8496	4	36c	C8499	7 L	45c
C8497	5	39c	C8530	7 S	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		24¢
C8046	33005	5		
C8047	33006	6		
C8049	33008	Octal		

MILLEN 807 Tube Clamp

Hold tube to chassis in portable mobile rigs, etc. C7998— 30¢

AMPHENOL Standard Tube Sockets



Type "A" is designed for general replacement work and has a steel adapter plate to fit mounting centers from 1 1/4" to 1 1/2". Type "B" is for new work and requires only a single 1 1/4" hole, being held in place with a retainer ring, unusually easy to mount. Both types available in Bakelite. 9 and



11 prong sockets are for Amphenol connectors. 7C sockets fit small and large base tubes.

Bakelite "A"			Bakelite "B"		
No. Prongs	Stock No.	Each	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 3/8" except Raytheon (1/2"). 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. Each..... 21c

For Raytheon Tubes

For CK501, CK502, CK503, CK504, C11598—Black Bakelite. Each..... 10c

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 1/2" long, 1 1/2" wide. Centers 1 1/4".



No.	Prongs	Each	10 For
C13064	4	38c	\$3.40
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	
Millen—			
Your Cost.....			18¢

NOTE

We can supply your every radio requirement. Write for information on items not shown here.

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

Poly-styrene 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 1/4" hole—1 1/4" 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	Your Cost	59¢
C13155—Special grid clip for 1851 tube.	Each	3c
C13156—Socket and mount for 922, 921 tubes.	Your Cost	59¢

AMPHENOL Above Chassis Sockets



Chassis type bakelite socket, in metal shell, 1 1/4" 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.



adapter plate for 1 1/2" to 1 1/4" mtg. centers or ring type without plate for 1 1/2" hole. Bakelite. C13040—With Plate. Ea. 11¢ C13045—With Ring only. Ea. 10c

Ceramic Octal Socket



A low loss socket. 1 1/4" mounting centers. Firm gripping positive contacts. Sturdily constructed. Special Value. 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. C13187—Your Cost... 95¢

JOHNSON No. 267 Miniature Socket



Designed for use with the 9000 series and Miniature I series 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. C13186—Your Cost..... 29¢

JOHNSON Sockets



Low absorption porcelain material base. Heavy phosphor bronze contacts, cadmium-plated, with double filament springs. Heavy nicked brass shells. C14160—UX base. Ea. 50¢ C14161—50 Watt base. 73¢ Your Cost C14157—Giant 5-prong socket, for RCA 803, RK 28, etc. Your Cost..... \$1.47

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 1/4"	4c	50.32	C16031	47	8c	50.55	
C16030†	45C	1 1/4"	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 1/4"	8c	.68	C16028	29	12c	.82	
C16027†	27C	2 1/4"	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	13¢	10 For	94c
No. 85. As above, less phone tip.	5¢	10 For	44c
C16020—Your Cost Each	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 (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	1 1/4"	9c	33c
C14824	A	1 1/4"	10c	38c
C14825	A	1 1/4"	29c	\$1.10
C14826	A	1 1/4"	30c	\$1.15

Battery Clips

Good quality spring clip. Heavily plated steel body. Strong spring.



C16060—1 1/4" long.	3¢
C16061—2 1/4" long.	5¢
Either type—10 for 25c.	6¢
C16062—2 1/2" long.	5¢
10 For 42c. Each	6¢
C16063—3 1/4" 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		5c
C14776		7c
C14777—Cup washer		6¢
Your Cost for 12.....		6¢
C14803—10/32 x 1/2" nuts for above screws.		10¢
Envelope of 20.....		10¢
Per 100.....		45c

Threaded Rods

Ideal threaded rod for making your own long screws. Easily cut to any length. In 12" lengths.

C14913—6-32 size. Per 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 1/2" tapped hole, one 1/2" plain hole.

Stock No.	Size	10 For	Each
C14909	1 1/2" x 1 1/2"	20c	2 1/2c
C14910	1 1/2" x 2"	25c	3c
C14911	1 1/2" x 2 1/2"	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 1/4" 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¢

Mounting Lugs

Of heavy plated steel. Hole in flat end for #2 screw; threaded end 1/2".

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, 01A, 26, etc.

C13262—For ST-12 tubes without grid caps such as 27, 56, 41, 1H4G.

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. 1/2 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

Insolentite 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
C14827—2¢ 12 For 100 For 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 Lokalt 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 1/2" outside diameter, 3/8" winding space.

C9987—Your Cost Each 4¢ 10 for 35c

Friction Tape

Highest quality. Ideal for service-men, mechanics and electricians.

Packed in individual boxes. Handy rolls.

C14829—2 Oz. Each 9c
C14842—4 Oz. Each 15c
C14841—8 Oz. Each 25c

Rub-R-Shim

Strips of shock proof live sponge rubber. One side adhesive coated. 10-ft. rolls.

No. W x T. Each 10 For
C14861 1/2 x 1/2 26c \$2.35
C14862 3/4 x 3/8 30c 2.70
C14863 1/2 x 3/8 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. % dia. For 866, T20, 809, etc.

C14597—Each 24¢

Like above, but ceramic. 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 29¢ ea.
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

Stock No.	Length	Doz.	Gross
6-32 Round Head Screws			
C14750	3c	20c	
C14751	3c	23c	
C14752	3c	27c	
C14753	4c	29c	
C14754	4c	34c	
8-32 Round Head Screws			
C14755	4c	32c	
C14756	4c	37c	
6-32 Flat Head Machine Screws			
C14760	3c	20c	
C14761	3c	23c	
C14762	3c	27c	
C14763	4c	29c	
C14764	4c	34c	

Ornamental Top Antique Finished Machine Screws

No.	Size	Lgth.	Doz.	100	Lots
C14680	6-32	1 1/2"	9c	60c	
C14681	6-32	1 1/4"	10c	65c	
C14682	6-32	1 1/8"	11c	75c	

Round Head Wood Screws

Stock No.	Size	Length	Doz.	Gr.
C14780	4	4c	40c	
C14781	5	5c	50c	
C14782	5	6c	60c	
C14783	5	8c	80c	

Locking Washers

C14758—To pass No. 6 screw.
C14759—To pass No. 8 screw.

Either Type. Envelopes of 25. 100 For

6¢ 20c

160 Piece Set Builder's Hardware Assortment

Contains: 20 each 6-32x 3/8", 6-32x 1/2"; 10 6-32x1" screws; 50 6-32 nuts, 10 lugs, 50 lock washers.

C14830—Per Kit. **35¢**

Soldering Lugs

Per Thousand \$2.20

C14812—No. 1, C14813—No. 2, C14814—No. 3, solderless type.
C14816—No. 4, 1/2" long.
C14818—No. 5, 3/4" long.

Your Cost per 100, Any Type Lug **24¢**

Tapered Lugs

Fits over all screws up to No. 10; shank fits banana plugs. 1 1/2" long, 3/8" 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

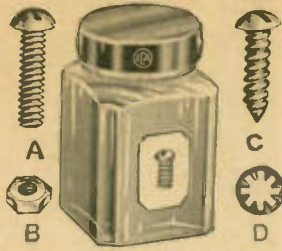
Made of heavy metal strip; width is 3/8". Very sturdy.

Your Cost

Stock No.	Size	Ea.	For 10
C14895	1/2 x 1/2	1c	8c
C14896	1/2 x 3/4	1 1/2c	13c
C14897	1 x 1	2c	17c
C14898	1 1/2 x 1 1/2	2 1/2c	22c
C14899	1 1/2 x 1 1/2	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, Any Jar **35¢**

5 Jars for **\$1.65**
C14675—Jar only **6c**

Round Head Machine Screws (A)

No.	Quantity	Size
C14650	100	4-36x 1/4" long
C14651	100	4-36x 1/2" long
C14652	75	4-36x 3/4" long
C14653	90	6-32x 1/4" long
C14654	80	6-32x 1/2" long
C14655	70	6-32x 3/4" long
C14656	75	8-32x 1/4" long
C14657	70	8-32x 1/2" long
C14658	65	8-32x 3/4" long
C14659	60	10-32x 1/4" long
C14660	50	10-32x 1/2" long

P-K Tap Screws (C)

No.	Quantity	Size
C14665	50	No. 4x 1/4"
C14666	50	No. 6x 1/4"
C14667	45	No. 6x 1/2"
C14668	40	No. 7x 1/2"
C14669	35	No. 10x 1/4"
C14670	45	No. 10x 3/4"

Hexagon Nuts (B)

No.	Quantity	Size
C14661	110	4-36x 1/4"
C14662	110	6-32x 1/4"
C14663	90	6-32x 1/2"
C14664	90	8-32x 1/4"

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

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 x 3 1/2 x 2 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—fibre washers—rubber grommets, etc. Finest quality hardware. Shpg. wt. 4 lbs.

C14831—Your Cost, per Box **\$1.34**

Escutcheon Pins

Antique finish—3/8" long. For fastening all types of escutcheons or nameplates.

C14811—Per 100 **14¢**

Your Cost

Knob Set Screws

These headless set screws are case hardened. For radio knobs, couplings, etc.

C14786	C14787
1/2"x6-32	1/2"x8-32
C14788	C14789
1/2"x6-32	1/2"x8-32

Any Size Above, 10 For **15¢**
50 For **65c**

Escutcheon Screws

Round head, antique finish, 3/8" long. Fits any type escutcheon.

C14934—No. 2 size **29¢**

Per Gross

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	
No.	Inches	Ten	100
C9868	2 1/2	21c	51.89
C9869	2 1/4	25c	2.30
C9870	2 1/8	29c	2.70
C9871	1	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".

3/8" Kit "B" contains 30 assorted grommets in 4 standard sizes—3/8" to 1 1/2".

C14794—Assort. "A" **15¢**
Your Cost

C14795—Assort. "B" **27¢**
Your Cost

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. **32¢**

Your Cost Per Box

Assorted Brackets

Box of 28 of the most popular angles and brackets used in radio. Made of heavy metal.

C14838—Your Cost **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. **27¢**

Your Cost

Hex Nuts, Knurled Nuts, Washers, Popular Sizes

C14804—6-32x 1/4" hex. nuts	Envelope of 20; Net	5¢
Per 100		19c
C14805—8-32x 1/4" hex. nuts	Envelope of 20; Net	5¢
Per 100		20c
C14806—6-32x 3/8" hex. nuts	Envelope of 15; Net	5¢
Per 100		25c
C14807—8-32x 3/8" hex. nuts	Envelope of 15; Net	5¢
Per 100		25c
C14803—10-32x 3/8" hex. nuts	Envelope of 20; Net	10¢
Per 100		45c
C14808—6-32x 1 1/2" knurled nuts	Env. of 6; Net	10¢
Per 100		\$1.35
C14809—No. 6 washers		
C14810—No. 8 washers		
Either Env. of 25; Net		5¢
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"		8c	72c
C15021			7c	62c
C15022			6c	52c
C15023			6c	52c
C15025			6c	52c
C15026		.136"	5c	45c

Flat Washers

C15030			7c	62c
C15031			7c	62c
C15032			5c	45c
C15036			5c	45c
C15037		.136"	5c	45c

Rubber Grommets

Insulate holes in metal panels, chassis, electrical appliances, etc.



Stock No.	Fits Hole	Inside Diam.	Per Doz.	100
C14765			9c	60c
C14766			16c	65c
C14768			21c	70c
C14769			22c	75c

Colored Grommets

Hard insulating composition; with knurled nut; in red or black. For instruments, etc.

Red Black Hole Diam. L.

C14688	C14689		
Your Cost Per Doz.			
Either Color			91¢
C14690	C14691		
Your Cost Per Doz.			97¢
Either Color			
C14652	C14693		
C14694	C14695		
Your Cost Per Doz.			\$1.16
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	1/2"-20	
Per 100 (assorted)		52.97

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.

C1302—Junior Post Has 6-32 stud, $\frac{1}{4}$ " long.

Your Cost Each **13¢**

C1303—Ensign Post Has 6-32 stud, $\frac{3}{8}$ " long

Your Cost Each **15¢**

C1304—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 99¢

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 Each **14¢**

Spring Clamp Binding Posts

Insulated top. Spring clamp holds wire. Overall length 1".

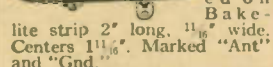
C13046—Your Cost Each **6¢**

Spring Clamp Binding Post Assembly

Mounted on Bakelite strip 2" long, $\frac{11}{16}$ " wide. Centers $1\frac{1}{16}$ " long. 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 $\frac{3}{4}$ " 12c 51.08

C12909 3 $\frac{3}{8}$ " 13c 1.17

C12949* 2 $\frac{3}{4}$ " 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 $\frac{3}{4}$ " 35c

PHONO NEEDLE TIP (B)

C12868 4 $\frac{3}{8}$ " 29c

C12869 5 $\frac{1}{8}$ " 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 99¢

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 $1\frac{1}{4}$ "

Your Cost Each **12¢**

C13184—Overall size $1\frac{1}{2}$ ". Same as above but with $\frac{3}{8}$ " threaded stud $\frac{1}{4}$ " long.

Your Cost Each **21¢**

Phone Tip and Lug Adapters For Prods

Handy for use with any banana plug, or test prod fitted with a banana plug end. Fits either tip jacks or binding posts. Red or Black—Specify color.

C12913—Phone tip end.

C12914—Spade lug end.

Each, Either Type **12¢**

10 For **\$1.08**

Insulated Banana Jacks and Plugs

Plug has set screw for solderless wire connection. Jack fits $\frac{1}{4}$ " hole and panels up to $\frac{3}{8}$ " thick. Red or black insulation on both. Specify color desired.

C12915—Plug 10 For 100 For

Each **11c 99c \$9.40**

C12916—Jack 10 For 100 For

Each **9c 81c \$7.70**

Midget Banana Plugs and Jacks

Insulated plug is 1" long and jack $\frac{3}{8}$ ". Plain plug is $\frac{5}{8}$ " long; jack is $\frac{1}{2}$ " and fits $\frac{1}{8}$ " hole up to $\frac{3}{8}$ ". Insulated types available in red or black. Specify color desired.

C12905—Plain jack } 5¢ each

C12906—Plain plug } 5¢ each

12 For **54c 100 For. \$4.05**

C12907—Insulated plug } 7¢ ea.

C12908—Insulated jack } 7¢ ea.

Per Dozen **76c**

Per 100 **\$5.65**

Standard Tip Plug

Pine Quality

C14881—10 For **13¢**

Per 100 **\$1.17**

Solderless Insulated Phone Tip Plugs

Solderless Overall size type; fit all standard tip jacks. Used on test leads. In red or black; specify color.

C12973—1 $\frac{1}{8}$ " long prod. } 10¢ Ea.

C12974—1 $\frac{1}{2}$ " long. } 10¢

Per Dozen, Either Type **\$1.08**

Plain Solderless Phone Tip Jacks

All metal tip plug for tip jack use. Solderless connection. $1\frac{1}{8}$ " long.

C12943—12 For **65¢**

Your Cost Each **6¢**

As above but $1\frac{1}{4}$ " long.

C12944—12 For **65¢**

Your Cost Each **6¢**

Right Angle Tip Plugs

Streamlined plugs with set screw for solderless connections.

C12937—(A) Specify red or black.

Your Cost Each **18c**

C12984—(B) Red. } **24¢**

C12985—(B) Black. }

Split Type Banana Plug

Insulated. Fit standard banana jacks. Set screw in barrel for solderless connection. Positive spring action. Plug $\frac{1}{2}$ " long; overall $1\frac{1}{8}$ ". Red or black; specify.

C12902—Each **11¢**

10 For **98c**

Plain Banana Jacks and Plugs

Plug is $1\frac{1}{4}$ " long. Jack is $\frac{5}{8}$ " long and fits $\frac{1}{8}$ " hole in panels up to $\frac{3}{8}$ " thick.

C12919—Plug, Each **7¢**

10 For **62c 100 For. \$5.60**

C12923—Jack, Each **6¢**

10 For **54c 100 For. \$4.90**

Insulated Tip Jacks

Have new type springs which provide sure grip contact. Mounts in hole. In red or black. Specify color.

C12879—Each **9¢**

12 For **97c**

Combination Jack

New type. takes both phone tips and banana plugs. Fully insulated, with insulated washer. In red or black. Specify color desired.

C12925—Your Cost Each **11¢**

12 For **\$1.19**

Compact Tip Jack

Heavy contact spring. Mounts in a single $\frac{1}{4}$ " hole.

C12948—Your Cost **6¢**

12 For **65c**

Plain Tip Jacks

For test equipment. Powerful spring. $\frac{1}{4}$ " mounting hole.

C12918—Your Cost Each **6¢**

12 For **65c**

Shorting Type Twin Jacks

Circuit is closed when the tips are removed. Red or Black. Specify color. No. 432.

C13035—Your Cost **24¢**

10 For **\$2.16**

Tip Jacks

Mounted on Bakelite. Contact springs grip cord tips securely.

C13037—Double jack Ea. **7¢**

10 For **63c**

C13036—Triple jack **8¢**

Your Cost **8¢**

10 For **72c**

MALLORY 520 Series Round Head Jacks

Compact type. Insulated tops. Mount in $\frac{1}{4}$ " hole. For panels up to $\frac{3}{8}$ " thick.

C6534—Red } **12¢** Each

C6535—Black } **12¢**

C6536—Yellow } **12¢**

C6537—Green } **12¢**

Per Pair, 1-red, 1-black.

C6538—Your Cost **22¢**

Insulated Tip Jack

No. 420 Series—Bakelite. Phone tips nest all the way in jack. Mount in a single $\frac{1}{4}$ " hole.

C6505—Red } **12¢** Each

C6506—Black } **12¢**

Per Pair, 1 red, 1 black

C6467—Your Cost **22¢**

Molded Bakelite Insulated Tip Jacks

Large diameter molded Bakelite heads take all phone tips. Phosphor bronze springs. With insulating washer.

C12877—Red } **11¢** 10 For

C12878—Black } **11¢** **\$1.19**

All Insulated Tip Jack

Countersunk $\frac{1}{2}$ " d. head $\frac{3}{8}$ " overall. Fits $\frac{3}{8}$ " hole. Bronze spring.

C12934—Red } **9¢** Each

C12935—Black } **9¢**

10 For **81c**

AMPHENOL Phone Tip Jacks

Bakelite body. Takes standard plain or solderless phone tips. Mounts securely by means of snap ring. Requires $\frac{3}{8}$ " hole.

Red or Black—specify color desired.

C12765—Each **4 $\frac{1}{2}$ ¢**

High Voltage Jack

13000 V. Tip Jack. As above but $\frac{1}{2}$ " diam. For x'mitters, etc.

Red or Black. Specify color.

C12766—Your Cost Each **6¢**

TEST PRODS and ALIGNING TOOLS

ICA 5-IN-1 Aligner Kit

Combines in a fountain pen size tool, $\frac{1}{4}$ " and $\frac{3}{16}$ " 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, $\frac{1}{4}$ " diameter with fitted brass wrenches for $\frac{1}{4}$ " and $\frac{3}{16}$ " 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 $\frac{1}{8}$ " diameter—fits into $\frac{1}{4}$ " hole up to $1\frac{1}{4}$ "; other end takes $\frac{3}{16}$ " 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 $\frac{1}{8}$ ". **C15104—Your Cost 50¢**

FIBRITE Screw Driver

7" long; driver at both ends for all trimmer condensers. **C15150— $\frac{1}{4}$ " diameter, 29¢**
C15151— $\frac{3}{16}$ " 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 $\frac{1}{4}$ " 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—Kit 4.41**

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 $\frac{3}{4}$ " Fenoline, 8 $\frac{1}{2}$ " long. **C15144—Your Cost 88¢**

Trimmer Screwdriver

For slotted trimmers. Has recessed blade in metal nib. Shank diameter $\frac{1}{8}$ ", small enough to go through a $\frac{1}{4}$ " hole. Length 4 $\frac{1}{2}$ ". Black. **C15074—Your Cost 82¢**

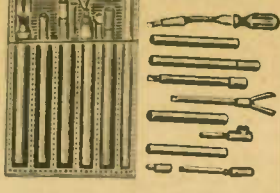
ICA Aligning Tool

6" narrow fibre rod, $\frac{1}{8}$ " dia., with special metal clip for air trimmers. **C15078—For Philco sets, 38¢**

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. Dis-tinguishes 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. 6 x $\frac{1}{4}$ ". **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—59¢**
Low Voltage Type. Range 3 to 25v. Leads have alligator clips. **C11308—1.03**
Each 1.03

ICA Dual 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 $\frac{1}{2}$ " 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. **C14976—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 needlepoint 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¢**
C12979—Phone tips, 73¢

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, $\frac{3}{16}$ " diam., in red and black, colored kinkless wire. Type B is solderless tip with long point. Leads 50" long.

NEEDLE TIP PRODS (A)
No. Wire Ends Pair
C12976—Phone Tips 59¢
C12975—Spade Lugs 65¢
C12977—Alligator 65¢
SOLDERLESS TIP PLUGS (B)
C12968—Phone Tips 59¢
C12969—Spade Lugs 59¢
C12970—Alligator 65¢

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 phono 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¢
Your Cost Per Pair 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—2.35**
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¢**
C14917—Black Handle 72¢
Pair 110¢

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.

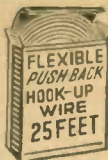
25-Foot Coils
 C16341—Black C16339—Red
 Your Cost, **39c**
 Per Coil.....

100-Foot Coils
 C16348—Black C16346—Red
 Your Cost, **\$1.55**
 Per Coil.....

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 Your Cost Each
 C16273—Black 19c 5 For 85c
 C16274—Green
 1000-Foot Spools
 C16108—Red Your Cost Each
 C16109—Black \$5.85
 C16110—Green

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	46
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	
	Stock No.	Ft. In. Spool	Stock No.	Ft. In. Spool
14	C16500	21	C16514	19
16	C16501	33	C16515	25
18	C16502	42	C16516	31
20	C16503	60	C16517	42
22	C16504	81	C16518	60
24	C16505	110	C16519	83
26	C16506	148	C16520	101
28	C16507	168	C16521	119
30	C16508	192	C16522	141
32	C16509	216	C16523	163
34	C16510	242	C16524	190
36	C16511	266	C16525	219
38	C16512	294	C16526	243
40	C16513	325	C16527	275

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
 C16186—Black 63c
 C16187—Yellow 7c Ea.
 Size No. 12
 C16188—Black 7 1/2c ea. 10 For
 C16189—Red 67c
 C16190—Yellow
 C16191—Green
 Size No. 8 10 For
 C16192—Black \$1.70
 C16193—Yellow 19c ea.

8-Yard Spools of Spaghetti

High grade varnished camic 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 Lb.	Your Cost Per Lb.
C20950	16	125	\$0.16 \$0.29
C20951	18	202	.16 .29
C20952	20	310	.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	8080	.30 .55
C20960	36	12800	.39 .71
C20961	38	20300	.49 .88

Spaghetti Tubing
 Highest grade camic tubing.
 Red, yellow, green and black. #12.
 C15960—Specify Color 6c
 Per 30-Inch Length..... 53c
 Your Cost 10 Lengths..... 53c

Double Silk Covered

Stock No.	Size B&S	Ft. Per Lb.	Your Cost Per Lb.
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 Lb.	Your Cost Per Lb.
C20973	18	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. 3/8"; 36" long. High Voltage oil varnish impregnation. Black only.

C15986—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**

Belden RADIO & ELECTRICAL WIRE

Hi-Volt Push-Back



Latest type insulation with a high puncture voltage rating (6900 volts), yet insulation slips very easily. No. 20 tinned copper, cotton wrap, .010" rubber wall "has-a-t-weave" lacquered rayon braid over all. Colors: green, blue, red, yellow, black. **Specify color.**
C16258—25-ft. Solid.....22c
C16261—25-ft. Stranded.....23c
C16259—100-ft. Solid.....66c
C16262—100-ft. Stranded.....73c

R-F Hook-Up Wire

100 Foot Spools. Insulation resistance is 49,000 megohms. Tinned copper with two specially treated cellulose acetate braids. Colors: green, blue, black, red and yellow. **Specify color.**
C16247—No. 20 Solid.....78 1/2c
C16248—No. 20 Stranded.....85c
C16204—No. 18 Solid.....86 3/4c
C16205—No. 18 Stranded.....96 1/2c

Shielded Hook-Up Wire

No. 20 hook-up wire with closely woven tinned copper shielding over a 1/4" rubber wall with rayon braid under shield. O.D. .105".
C16294—Per Ft.....2c
 Per 100-Ft.....\$1.59

72 Ohm Coaxial Cable



Will meet the requirement for all frequencies in the audio to and including the television or f.m. range. For use as antenna receiving or transmitting cables; also for photoelectric or other circuits where characteristics fit the application. DB loss per 100-ft.: .031 at 10 Mc.; 2.24 at 40 Mc.; 3.78 at 100 Mc. Capacity between conductors per ft.: 26.3 mmf. at 10000 kc.; 25.9 mmf. at 40000 kc.; 25.5 mmf. at 100000 kc. No. 14 stranded (19x28) tinned, low loss rubber compound tinned copper shield, tough vulcanized rubber sheath, .460" O.D.
C20936—Per Ft.....13c
 Per 250 Ft.....\$28.75

Appliance Elements

Fit 90% of the standard appliances.
C13270—Flatiron element. Each.....27c
 10 for.....\$2.45
C13304—Cone shaped heater element. Each.....30c
 10 for.....\$2.70
C13305—Straight heater element. Each.....36c
 10 for.....\$3.15

Cord Switch

C13275—Each.....19c
 10 for.....\$1.71



Outlet Box Receptacles

Fit the standard outlet boxes. Approved by the underwriters. Shpg. wt. 1 lb.
C13328—Single. Your Cost Each.....9c
C13329—Double. Each.....10c

Midget Cord Connector

Flat 2-piece type. Underwriter's listed.
C13276—10 for \$1.45
 Each.....16c



All-Rubber Lead-In Wire



Easy stripping—easy soldering. All made of 7 strands tinned copper wire with thick rubber sheath; Diam. .040" on 18; .126" on 7. Shpg. wt. 3 lbs. per 100 ft.

Stock No.	Belden No.	Wire Gauge	Lgth. Feet	Your Cost
C16227A	8200†	18	100	\$ 4.57‡
C16227B	8200	18	1000	3.70

Test Prod Lead Wire



Flexible No. 18 wire (65x36) tinned copper. Cotton wrap. 3/4" rubber wall. Two 7 ft. lengths red and black (14-ft. total) parallel wound.
C16336—Two 7-ft. lengths.
Your Cost.....28c
C16337—Red or Black (Specify).
Your Cost per 100 Feet.....\$1.29

Shielded Pair

For inside use. Twisted pair of No. 19 solid, double enameled, cotton wrap, color coded braid waxed, overall bare copper shield. Two conductors. .145" O.D. Shpg. wt. 3 lbs. per 100 ft.
C20911—Per Foot.....3c
 100 Ft., \$2.18 500 Ft.....\$10.23

TRANSMISSION LINE CABLE



Shielded Twisted Pair

18 stranded, rubber and paper wrap, tinned copper shield over twisted pair—weatherproof overall **White** braid. Ideal where interference is great.
500 Foot Spool.....\$16.89
C16162.....

Commercial Twisted Pair

22(7x30 tinned) paper wrap, .022" rubber. Weatherproof overall **Black** braid. For commercial broadcast receivers.
500 Foot Spool.....\$6.21
C16171.....

Shielded Primary Wires



No. 12 gauge (19x25 tinned) with colored cellophane serve, .031" rubber wall, glazed cotton braid lacquered and an overall tinned copper shield. Wt. 6 lbs. per 100 ft.
C16223—100 Ft. for \$3.83
Your Cost per Foot.....5c
 No. 14 gauge, .027" rubber wall (19x27). 100 Ft. for \$3.09
C16218—Your Cost per Ft. 4c
 No. 16 gauge, .022" rubber wall. (19x29). 100 Ft. for \$2.54
C16219—Your Cost per Ft. 3c

Rayon Push-Back

No. 20 tinned copper, heavy wrap cellulose acetate, "basket-weave" abrasion-proof lacquered rayon braid. Colors: green, blue, red, yellow, black. **Specify color.**
C16066—25-ft. spool*.....19c
C16068—25-ft. spool†.....21c
C16080—100-ft. spool*.....19c
C16081—100-ft. spool†.....66c
C16067—1000-ft. spool*.....\$5.26
C16069—1000-ft. spool†.....\$6.00
 Following in red or black only. Similar to above; No. 14 gauge.
C16158—25-ft. spool†.....32c
C16082—100-ft. spool†.....\$1.12
 *Solid. †Stranded.

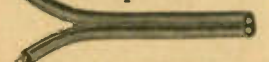
Heavy Rubber Cord



The thick belt of flexible rubber that covers the conductor is made of smooth oil-resisting, abrasion proof high quality "Jacket."

No.	Size	Ft. 100 Ft.
C20945	18—2-wire	3 1/2c \$3.15
C20946	16—2-wire	4c 3.75
C20947	14—2-wire	10c 8.95
C20948	18—3-wire	4c 3.60

Parallel All Rubber Lamp Cord



The two conductors are sheathed in a coating of tough live rubber. A ridge between these conductors allows them to be easily separated without fear of ruining the insulation. In Black, Ivory and Brown. **Specify color desired.** Shpg. wt. per 100 ft., 3 lbs.

C20920—18 Gauge—Your Cost
 Per Ft. 100 Ft. 500 Ft.
2c \$1.68 \$7.85

Cotton Twisted Pair



18 Gauge, 1/2" R.C. wire with a cotton covering offered at prices below market. Yellow and green mixture.
C20902—Your Cost Per Ft. 2c
 100 Ft. 250 Ft. 1000 Ft.
\$1.50 \$3.35 \$11.75

Parallel Silk Lamp Cord



Popular type for connecting radio receivers, lamps, etc. Overall covering of silk braid.

18 Gauge—1/4" Wall
C20836—Maroon **C20838**—Brown
C20837—Old Gold
Your Cost, Per Foot.....2c
 100 Ft.....\$1.85 500 Ft.....\$8.80
20 Gauge—1/4" Wall
C20839—Maroon **C20841**—Brown
C20840—Old Gold
Your Cost, Per Foot.....1 1/2c
 100 Ft.....\$1.15 500 Ft.....\$5.15

Telephone Wire



For general use and inter-communication phones. 2-Conductor
No. 19 Gauge.
C20895—100 Ft. 500 Ft. 1000 Ft.
Your Cost \$2.25 \$10.50 \$19.95
C20896—3-Conductor No. 19
Your Cost \$2.90 \$13.75 \$26.10

BELDEN Flexible Crystal Mike Cable



Suitable for tough jobs because of its high insulation resistance under moisture conditions, and resistance to bending and flexing.
 8401—For microphones or low imp. trans. lines. 8411—For lapel mikes. 8431—For phono pickups.

Stock No.	Type	Out. Dia.	Cap. Per Ft.	Per Ft.
C20844	8401	.245"	25	6c \$4.77
C20858	8411	.155"	35	4c 3.24
C20848	8431	.160"	55	2 1/2c 2.00

BELDEN Shielded Rubber Mike Cable



20 Gauge tinned stranded conductors cabled, cotton wrapped, shielded cotton wrap over shield, overall rubber sheath.

No.	Cond.	O.D. Ft.	100 Ft.
C20876	2	.280"	6c \$4.68
C20845	3	.280"	7c 5.45
C20877	4	.325"	9c 6.68

Unshielded Cable
 Like above, but No. 18 gauge, no shield.
C20910 2 .245" 3c \$2.66
C20880 3 .265" 4c 3.32
C20881 4 .260" 5 1/2c 4.26

Shielded Auto-Radio Lead-In Wire



No. 20 stranded conductor (10x30 tinned) with special low capacity rubber sheath and overall shield. Max. cap. between conductor and shield 33 mmfd. Overall dia. .230".
C20883—100-ft. For \$3.61
4 1/2c
 Per Foot.....
 As above, but with rubber sheath overall. .290" O.D.
C20884—100-ft. For \$4.79
6c
 Per Foot.....

We can supply all Belden Products. Write for prices or send us your order giving Belden part number, priority and CMP allotment.

Cube Tap

Bakelite. Three outlets from 1 plug.
C13282—Your Cost Each.....6 1/2c
 12 for.....70c



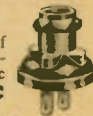
Current Tap

Straight socket combined with two cap outlets.
C13278—Your Cost Each.....12c
 10 for.....\$1.08



Handle Plug

Handle plug made of soft rubber. For all appliances. 10 for.....45c
C13301—Your Cost Each.....5c



Bakelite Handled Plug

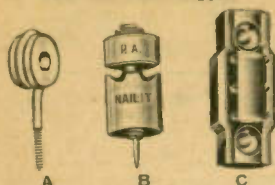
Genuine Bakelite with handle grip. Prevents pulling out wires. Sturdy prongs.
C13281—Each.....4c
 25 for.....90c
 Same as the above, but without the handle grip.
C13306—Each.....3c
 12 for.....32c Per 100.....\$2.60





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 1/2¢**
 Lots of 100... \$2.06
 C16850—3" long **Your Cost Each... 3¢**
 10 For 24c 100 For \$2.16
 C16851—3 3/4" long. **Your Cost Each... 5¢**

ELECTRIC FENCE

Insulators

For attaching wire to fence without kinking. C15682—100 For **6¢** Each \$5.25

Glazed Porcelain Insulators

For insulating wire from posts. (A) C15680—4 For **5¢** 100 For... 95c
 For insulating on corner posts. (B) C15681—Each **2 1/2¢** 100 For... \$2.00
Kit: Contains 50-type A; 4-type B. With leather washers. **C15693—Your Cost... 63¢**

Fasteners

Fasteners wire quickly and easily to post insulators. Made of heavy galvanized wire. **Clip only. C15671—Box of 100... 32¢**

Antenna Loops for Midgets and Portables

Ideal for battery and midget sets or portables. Replaces antenna coil; gives satisfactory pickup and excellent selectivity. Inductance slightly higher than necessary, permitting removal of turns for adjustment. 4 1/4"x8". C16450—Your Cost **48¢**
 C16451—Size: 7 1/2"x9 1/2". **Your Cost Each... 51¢**

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 **85¢**



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... 99¢**

"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 1/4"x1 1/4". Full instructions included. Shpg. wt. 2 lbs. **\$1.32**

C16452—Your Cost

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

C16113	7 26	.26	2.45	6.10
C16114	7 24	.38	3.60	8.80
C16115	7 22	.54	5.10	12.50

Enameled Stranded—75 Ft. Coils

C16044	7 24	.40	3.80	9.30
C16045	7 22	.58	5.50	14.20

Enameled Stranded—100 Ft. 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 **12¢**
 C16167—100-ft. Coil... 45c

Insulated Staples

For holding inside lead-in and ground wires in place. No. 5, Size 1/4"x 5/8" long. C15950—100 For... **10¢**

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, 88¢ Each.**

C16708—(C) Chassis connector with ring. No. 93-C. **Your Cost Each... 73¢**

C16709—(A) Connects cable to antenna. No. 93M5. **Each 88c**

No. 18 Lead-In Wire



Solid tinned copper. 3/4" rubber easy-strip 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 1/2¢**
 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, 3/8" long. 100 For **C15957—White 17¢**
 C15961—Brown

AMPHENOL Co-Axial Cable

A new cable, especially engineered for efficiently transmitting energy from transmitters to antennas. Also used for television receiver lead-ins, test leads, etc. Consists of a solid copper wire core, No. 12 gauge strung with Amphenol insulating beads then shielded with tinned copper braid and finally covered with two separate cotton braids, heavily lacquered. Surge impedance 72 ohms. Dia. 1 1/2". C17118—No. 72-12 **Your Cost, Per Foot... 29¢**
 Like above, but with No. 22 stranded copper wire core. Dia. 1/2". No. 76-22S. **C17119—Per Foot... 29¢**

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 Each... 3¢**
 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 **3¢**
 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 **10¢**
 Each Per 10... 89c

Single Lead-In Strip

Clip terminals. 12" long. C17101—10 For 23c **Your Cost Each... 3¢**

BRACH "Vis-o-Glow" NEON Arrestor

Uses a NEON TUBE instead of an air-gap or resistance. Fully Underwriters Approved. Shpg. wt. 1 lb. C16700—**Your Cost 82¢**
DUPLEX TYPE: Same as above, but for use with sets having doublet antennas. **C16701—Your Cost \$1.15**

Arrestor for Doublets

An approved arrestor for the doublet type of antenna. Air-gap type, insulated from ground. Porcelain case. 10 For \$1.70 **C16950—Your Cost Ea. 19¢**

Porcelain Arrestor

Housed in brown glazed porcelain; approved. With brass screw terminals. 1x1 1/2"x 3 1/4" overall. C16753—Your Cost Ea. **9¢**
 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... 39¢**

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 1/2" high. Most popular general replacement unit. Fits many receivers. **C14635**

4-prong, 1 5/8" by 3 3/4" high. Special pin arrangement. Exact replacement for Delco and General Motors sets. **C6027**



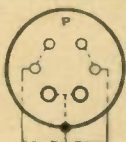
4-prong (diagram above). 2 1/4 x 4 1/2" high. Replacement for Philco No. 38-5036, all models to 1936 except Model 816. **C14632**

4-prong, 1 1/2" by 3 1/4" high. Exact replacement for Firestone. Stewart-Warner, Zenith, etc. auto radios. **C6029**



4-prong (like above). 2" by 3 1/8" high. Replacement for Philco No. 41-3170. For 1936-7-8 sets except Model 816. **C14636**

6-prong, 1 1/2" by 3 1/4" high. Standard 6-prong unit for Arvin, Ford, Zenith, Bosch and other makes of auto radios. **C6030**



4-prong (like above). 1 3/4" by 4 1/4" high. Replacement for Philco No. 41-3186; fits Model 816. **C6026**

4-prong (like above). 1 1/2" by 4 1/4" 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



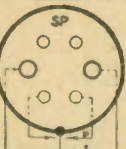
5-prong, 2" by 4 1/2" high. With condensers. For Delco, General Motors, Crosley and Colonial. **C6032** Each \$2.65
Lots, 6Ea. \$2.35

5-prong, 1 1/2" by 3 1/2" high. Without condensers. For Delco and General Motors auto radio receivers. **C6035**



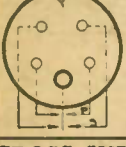
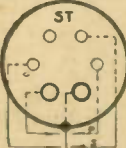
5-prong, 2" by 4 1/2" high. With condensers. For Delco, General Motors and Grunow sets. **C6033** Each \$2.65
Lots, 6Ea. \$2.35

6-prong reversible, 1 1/2" by 3 1/4" high. For General Electric, R.C.A., Delco, Montgomery-Ward, etc. **C6036**



5-prong, 1 1/2" by 3 1/2" high. Without condensers. For Arvin, Bosch, Detroit, Grunow, Firestone, etc. **C6031**

6-prong, 1 1/2" by 3 1/4" high. Without condensers. For Crosley, G.E., Silvertone, Zenith, Philco, etc. Farm and auto. **C6037**



5-prong, 1 1/2" by 3 1/2" 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, 5039061	SP51	704
C6037	4416, 5411	46, 246	5052525	SP66	712
C6034	3679, 5410	45C, 245C	5053181	SP55	714
C6033	4611	273D	5041376, 5043853	SP52	718
C6036	3883, 5400	248, 286S, 287M	5052869, 5053501	SP62	723, 728
C6035	5426	514, 515, 715	5050498	SP54	726
C14632	SU1	500P		NP41	P450
C14635	SU1	4-4	5040000, 5052378	Ace	EU1
C6026	5323	507P	5044240	NP483	
C14636	5320	505P	5042703	NP49	P464
C6028	5300, 5325P	94, 204, 508P	5052378	NP484	P454
C6027	5303	294C	5050073	NP480	435
C6030	3263, 5312	96, 296	5052374	NP6	452
C6029	5331	2948W, 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. **41¢**
C5284—Each
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 1/4". For low drain auto or battery sets. Shpg. wt. 2 lbs.
C6089—**Your Cost \$1.23**

Dome Light Filter

Eliminates the noise in dome light wiring. Has condenser-choke. **29¢**
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—**\$1.62**
Each

Vibrator Condensers

Oil impregnated. Rated at 1600 volts. Small square metal cans are 1 1/2 x 1/2 x 1/2". **24¢**
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. **5¢**
BARE TINNED
C16234 2 1/2" Diam. C16237 3c
C16235 3 1/2" C16238 4c
C16236 3 3/4" 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. **5¢**
C16211—Per Foot.....
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. **3 1/2¢**
C20851—Per Foot.....
C20852—100 Feet..... \$3.00

Generator Condensers

Standard auto radio condenser designed to eliminate generator noise. Fully shielded. Dirt and oil proof. **41¢**
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.
Your Cost..... 41¢

FORD V8 Condensers

Tailor made for Ford V8's. **23¢**
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. **32¢**
C14207—Your Cost
Each.....
5 For..... \$1.44

Ammeter Condenser

Eliminates noise in ammeter, horn, etc. 10 For \$2.07
C14218—Each..... **23¢**

Wheel Static Eliminator

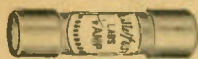
Eliminates front wheel noise. Easy to install in each hub cap. All rust proof. **5¢**
C5294—
Your Cost Each..... 5¢
10 For..... \$45c

"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. **88¢**
C14205—Your Cost.....

VIBRATORS / FUSES / DIAL BELTS

LITTELFUSE and BUSS FUSES



Protect delicate instruments. Break circuit immediately on reaching blow point. Length 1" diam. $\frac{1}{8}$ ". May be used on 250 volts, AC or DC. High Speed action. **Type 3AG**

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	12¢	\$1.32	1000	up to 0-1
C12386		25	20			500-1000	1-10
C12387		60	5			100-500	10-25
C12389		100	1.5			20-100	25-75
C12388		100	3	9¢	\$1.00	20-100	25-75
C12390		200	6.2			10-20	75-150
C12391		300	3.0			5-10	150-250
C12392		400	2.5			3-5	250-350
C12393		600	.4			350-500	
C12394	1	1000	.24	6¢	65¢	500-750	
C12395	2	2000	.14			1000-1500	

LITTELFUSES For Radio Sets and Amplifiers

Type 3-AG, 1 1/4 x 1/4". Approved.

No. Amps.	500 Volt	No. Amps.	250 Volt
C12378 1	C12396 1/4	C12379 1 1/2	C12397 1/2
C12380 2	C12398 3/4	C12381 3	C12399 1

Above, Each **5¢** Above, Each **9¢**

12 for... **54c** 12 for... **97c**

Radio and Auto Fuses

Type 3AG: 1 1/4 x 1/4" Tins of 5. May be assorted for quantity price. **C13189—Specify Amperage**

1 Amp.	Per 5	Per 100
2 "	16¢	\$2.90
3 "	"	"
5 "	"	"
10 "	"	"
15 "	10¢	\$1.80
20 "	"	"
25 "	"	"
30 "	"	"

LITTELFUSE Auto Fuses

Type 3AG. Ratings are at 251V. $1\frac{1}{2} \times \frac{1}{4}$ "

Rating	Your Cost
C12320—5 amps.	3¢ each
C12321—10 amps.	"
C12322—15 amps.	"
C12323—20 amps.	"

Extractor Fuse Posts

Takes 1" instrument type fuse only. $\frac{1}{2}$ " d. Bushing for panels up to $\frac{3}{8}$ " thick. **C12328—Your Cost, Each... 24c** As above, for 3AG fuses ($1\frac{1}{2} \times \frac{1}{4}$ "). **C12326—Your Cost, Each... 24c**

"Meter Back" Fuse Mount

Mounts directly on any meter terminal. Will not touch other posts. Takes $1\frac{1}{4}$ " instrument fuses only. **C11049—Your Cost, Each... 12c**

Plug Fuses

C13200—6A. C13203—20A.
C13201—10A. C13204—30A.
C13202—15A.
Your Cost, Each... **5c**
5 for... **20c**

Copper Oxide Rectifiers

(A)—15 ma. $1\frac{1}{2} \times \frac{3}{8}$ " **\$2.95**
C10570—Each

(B)—5 ma. $1\frac{1}{2} \times \frac{3}{8}$ " **\$2.06**
C10572—Each

(C)—5 ma. $\frac{3}{4}$ " square. **\$2.59**
C10566—Each

(D)—20 ma. $3\frac{1}{2} \times 1\frac{1}{2}$ " **\$1.95**
C10567—Each

(D)—30 ma. $1\frac{1}{2} \times \frac{3}{8}$ " **\$2.06**
C10569—Each

(D)—50 ma. $1 \times 1\frac{1}{2}$ " **\$1.75**
C10568—Each

Dial Drive Springs

High grade steel wire rust-proof springs. Five sizes take care of all requirements. Kit of 10 Assorted Springs (all sizes). **24¢**
C9890—Per Kit... 24¢
Kit of 10 Springs (small sizes only). **24¢**
C9891—Per Kit... 24¢

Fuse Retainer

Two-piece connector of heavy metal, with fibre inside insulation. 2 1/2" long. Powerful spring contact. **C13272—Each... 8¢**
12 For... **80c**

"Jumbo" Fuse Retainer

2 1/2" long by 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 $1\frac{1}{2} \times \frac{1}{4}$ " fuses (type 3AG). **C12327—Each... 12c**

Panel Type

Molded bakelite. $1\frac{1}{2} \times \frac{3}{8} \times \frac{1}{4}$ ". For 1" instrument type fuses only. Plated fuse clips. **C12383—Your Cost... 9¢**

Same as above, but for $1\frac{1}{2} \times \frac{1}{4}$ " 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	\$1.23	C6130	273C	\$3.88	C7289	743	\$3.50
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
C6116	230	5.29	C6136	294	2.09	C6109	G826	3.50
C6119	235	4.20	C6084	852, 852	2.09	C7292	839	2.44
C6096	245	3.50	C6087	294SW	2.09	C6083	850	2.09
C7278	245A	3.50	C6137	296	2.09	C6084	852, 294C	2.09
C6088	245C	3.50	C6070	299	2.79	C6085	853	2.09
C7279	245SW	3.50	C6122	500P	1.76	C6086	854	2.09
C7280	245A	3.50	C6170	501P	1.76	C7276	859	2.09
C6097	246	3.50	C6093	505P	1.76	C6076	860	2.09
C7281	246A	3.50	C7285	506P	2.79	C6110	866	2.09
C7283	W246	3.50	C6071	507P	1.76	C7294	868	2.09
C6169	247	3.50	C7286	508P	1.76	C7295	869	2.09
C6098	248	3.50	C7287	509P	1.76	C7293	870	2.09
C6171	249	3.50	C6072	510P	2.12	C7296	901M	1.76
C6120	249A	4.20	C6073	514	3.50	C6069	902M	1.76
C6123	253	2.79	C6074	716	3.50	C6077	903M	1.76
C6124	253T	2.79	C7288	722A	3.50	C6078	951P	3.70
C6125	253Y	2.09	C6062	725	3.88	C6079	952W	3.50
C7282	264	3.50	C6064	G725	4.59	C6080	953W	3.50
C6A26	270B	4.20	C7290	728A	3.50	C6081	954	3.50
C6127	271	4.20	C6107	742	3.50	C7275	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 1/4"	Zenith	22 10 1/4"	RCA	49 15 1/4"	Zenith
2 7"	Zenith	23 10 3/4"	RCA	50 16 1/4"	RCA
3 7 1/2"	Emerson	27 10 1/2"	Airline	51 16 3/4"	Airline
4 8 1/4"	Belmont	28 10 3/8"	Airline	56 7 1/2"	Emerson
6 7 1/2"	RCA	30 11 1/4"	Zenith	59 8 1/2"	Emerson
7 7 1/2"	Belmont	30 11 3/4"	Fada	60 8 1/2"	Zenith
10 8 1/4"	Fada	33 11 1/2"	Grunow	61 7 1/2"	Emerson
11 8 3/4"	Emerson	34 11 1/2"	RCA	62 8 1/2"	Emerson
12 8 3/4"	RCA	36 11 3/4"	Sparton	63 9 1/2"	Airline
13 8 1/4"	RCA	38 12 1/4"	Crosley	64 10 1/2"	Airline
14 8 5/8"	Airline	39 12 3/4"	Fada	67 12 1/2"	Admiral
15 9 1/4"	Fada	40 12 1/2"	Zenith	68 17 1/2"	Admiral
16 9 1/2"	Silverstone	41 12 1/2"	Fada	69 12 1/2"	Admiral
17 9 3/4"	RCA	42 12 3/4"	RCA	72 8 1/2"	Emerson
18 9 1/2"	Zenith	43 12 3/4"	RCA	76 9 1/2"	Zenith
19 10 1/4"	Airline	45 12 1/2"	Silverstone	77 13 1/4"	Zenith
20 10 1/2"	Zenith	46 13 1/4"	Zenith	79 11 1/2"	Zenith
	Emerson	47 14 1/4"	Sparton	80 9 1/2"	Zenith
	Garod	48 15 1/4"	RCA	84 9"	Zenith
	Garod		Arvin	87 16 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¢**

Phosphor Bronze Dial Cable

Maximum strength. 16 strand type closely braided. 42 strand type consists of seven, 6 strand cables wound over linen core.

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

Linen Dial Cable

All types are of black woven linen exactly as used in most receivers. High tensile strength.

Special Thin Cable		
C9889	25 ft.	44c
Light Cable (approx. 1/4" diam.)		
C9942	5 ft.	18c
C9943	25 ft.	65c
C9944	100 ft.	\$2.35
Heavy Cable (approx. 1/2" diam.)		
C9939	5 ft.	19c
C9940	25 ft.	78c
C9941	50 ft.	\$1.45
C9882	100 ft.	2.65

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. $\frac{1}{32}$ " diameter.

	Rosin Core	Acid Core	Alum. Solder
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. $\frac{1}{64}$ "
C14851—1 lb. Spool..... 67¢ 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 Block (bottom): Cleans and tins soldering irons speedily. Easy to use. In handy $\frac{1}{4}$ 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 $\frac{1}{2}$ 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 $\frac{1}{2}$ lbs.

C15359—Nickel Plating Outfit	Any Type	C15371—Silver Plating Outfit
C15360—Copper Plating Outfit	Each	Each
C15370—Cadmium Plating Outfit	Each	Each

Additional 1-oz. bottles of compound (plate 125-175 sq. in.):
C15372—Nickel Compound Each C15375—Silver Compound
C15373—Copper Compound Each Your Cost **73¢**
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 necessary chemicals: 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. DeLux 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..... 29¢
C15532—2 oz. bottle..... 44¢

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..... 29¢
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..... 29¢

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..... 19¢ ea.
C15257—Each..... **21¢**

Grafoline

Made for noisy controls, switches and wire wound controls. Eliminates noises.
C15535—2 oz..... 21¢
C15536—Pint..... **\$1.18**

Insulating Pitch

1 lb. can. **29¢**
C14864—Ea. 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 7/8". 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 576

A smaller "American Beauty" for soldering in corners and tight places. 3/8" 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	Dia.	Size Ht.	Your Cost
C7344	40-65	115	3 1/2"	2"	\$ 4.26
C7345	85-100	115	3 1/2"	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	400-500	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. **\$1.30**

Your Cost, Each.....

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. 1/4 pint. Wt. 2 lbs.

C14855—Your Cost..... **\$1.79**

C14856—Same but for alcohol. Each..... \$1.96

LENK Torch Fuel

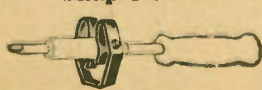
No sediment in fuel prevents carbon deposit on wick. Eliminates corrosion.

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. 5/8" tip. Wt. 2 lbs.

C15552—Your Cost..... **\$4.85**

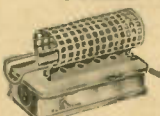
DRAKE Compact Iron

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. **\$2.65**

C14835—Your Cost.....

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 3/4 lb. 1 1/2"x1 1/2". Overall height 4 1/2". Wt. 3 1/2 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"x1 1/2". Overall height 4 3/4". Wt. 5 1/2 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			Extra Tips		
Stock No.	Watts	Tip Dia.	Your Cost	Stock No.	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			Extra Tips		
Stock No.	Watts	Tip Dia.	Your Cost	Stock No.	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. **\$3.82**

Your Cost.....

Compact Pencil-Type Irons

Compact and lightweight. Has insulated handle and cork finger guard. With 6-ft. cord, plug and removable tip. Rated at 25 watts. Shpg. wt. 2 lbs.

C15155—110 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. **\$1.70**

Your Cost Each.....

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 5/8" screw-on tip; 100-watt iron with one 3/4" plunger-tip. 6-ft. cord.

C14892—60 Watt Iron. **79c**

Your Cost, with 2 tips.....

C14894—75 Watt Iron..... 99c

C14893—100-Watt Iron..... \$1.50

Soldering Iron Tips

Replacement plunger type tips of quality copper.

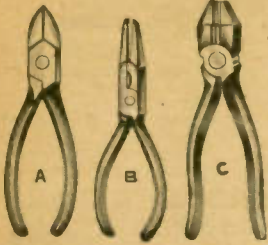
Stock No.	Iron	Size	Your Cost
C15166	60-75 w.	3/8"x2 3/8"	27c
C14903	85-100 w.	3/8"x4 3/8"	28c
C15168	115-150 w.	3/8"x3 3/8"	39c

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

Krauter Pliers



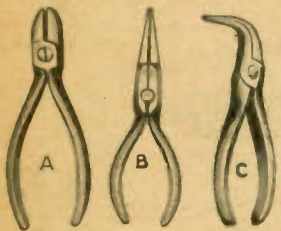
The line of tools listed below are from the Krauter "Standard" series, and are not to be confused with the lower priced "K" series. All are drop forged from extra high grade steel, and have the famous "blue temper" finish. Stand up under severe service.

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
C14946 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



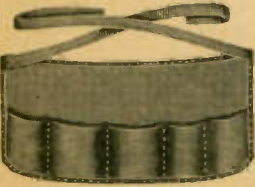
Finest alloy tool steel. Individually tempered to assure long-life cutting edges.

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.

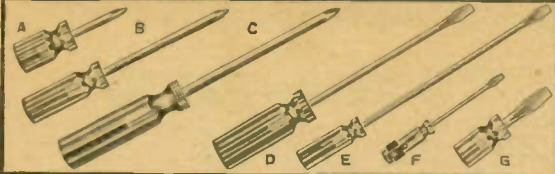
C15224—(C) Long Curved Nose Pliers. Very useful in close quarters. 6" long.
Either Above type. **\$2.75**
Your Cost, Each...

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 3/8" D. 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, 3/8" handle diam. **Each..... 15¢**
C15508 (G)—Heavy duty "Stubby" 1 1/2" Blade, 1" handle. **Each..... 38¢**
C15511 (F)—Handy pocket size with clip. 2 1/2" Blade. **Each..... 11¢**
C15509 (E)—3 1/2" Blade. 1/2" Diam. **Your Cost, Each..... 19¢**
C15510 (D)—3 1/2" Blade. 3/8" Diam. (not shown). **Your Cost..... 23¢**
C15512 (D)—4 1/2" Blade. 1/2" Diam. **Your Cost, Each..... 34¢**
C15506 (D)—5" Blade. 1/2" Diam. **Your Cost, Each..... 26¢**
C15504 (D)—6" Blade. 1/2" Diam. **Your Cost, Each..... 38¢**
C15505 (E)—6" Blade. 3/8" Diam. **Your Cost..... 30¢**

Amber Face Hammers and Mallets



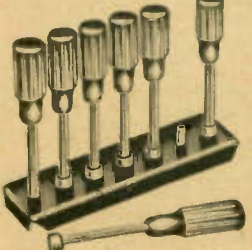
Mallets are of solid unbreakable amber securely fastened to hickory handles. Hammer has amber faces fitted to metal shank and hickory handle. In the use of pre-finished metals used by machinists and sheet metal workers, etc., these units find ready acceptance, not only as a substitute for scarer hammers, 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 50.63**
C15542—1 1/4" amber face. **Ea. .81**
C15543—1 3/8" amber face. **Ea. 1.65**

Curved Mallets (A)
C15544—1/2" Diam. **Your Cost..... 50.63**
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**

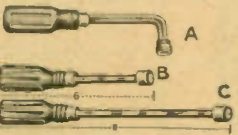
XCELITE Nut Drivers



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 1/8" hex nut.
C15328—For 3/16" hex nut.
C15331—For 1/4" hex nut.
C15332—For 5/16" hex nut.
C15333—For 3/8" hex nut.
C15334—For 7/16" hex nut.
Any Above Type—**42¢**
Your Cost, Each.....
C15335—For 1/2" hex nut.
C15336—For 5/8" hex nut.
Either Above,
Your Cost, Each..... **54¢**

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 1/2" shafts.
C15344—For 1/2" hex nut **69¢**
C15329—For 3/8" 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)
C15206
C15207
C15208
C15212
C15213
C15214
C15215—Set of 6..... **\$1.36**

Size 6" Straight (B)
C15203
C15051
C15052
C15053
C15054
C15204
C15205—Set of 6..... **\$1.16**

Size 9" Straight (C)
C15209
C15107
C15109
C15108
C15110
C15210
C15211—Set of 6..... **\$1.36**

Neon-Light Screw Drivers

Quality screw drivers with neon lamp built into amber Pyroxilin handle. For R.F. and spark plugs.
C15348—4 1/2" 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—3 x 3/8" blade. **Each..... 28¢**
C15346—6 x 1/4" blade. **Each..... 40¢**
C15347—8 x 3/8" blade. **Each..... 45¢**

VACO "Amberlyl" 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.
Stock No. Blade Each
C15324 1/2" x 4" 35¢
C15325 1/2" x 6" 35¢
C15326 1/2" x 8" 39¢

VACO "Amberlyl" Pocket Screwdrivers

Transparent amber colored plastic handles. Tool steel blades; shock-proof construction. 3" long with pocket clip.
C15323—Each **15¢**

"Grip" Screw Drivers

Grip, or 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 2 x 3/8" 23¢
C14721 4 x 3/8" 43¢
C14722 10 x 3/8" 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 1/4" 24¢
C15252 5 to 9 8 3/4" 27¢
C15253 10 to 16 11 1/4" 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



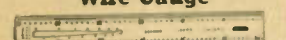
Inside and outside diameters up to 3 inches, in $\frac{1}{16}$ and $\frac{1}{32}$ ". Knurled locknut. Wt. 8 oz.
C14891—Your Cost... 12c

Handy Steel Rule



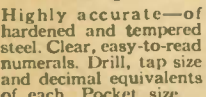
A handy, accurate pocket rule for quick measurement. Made of steel, with pocket clip for depth measurements. 6 inches long, graduated in quick reading 64ths.
C14996—Your Cost, Each 9c

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. $\frac{3}{8}$ " wide.
C14982—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 scale 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



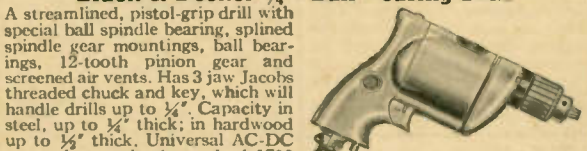
Will drill, grind, polish, cut, carve, saw and engrave on all materials. Fits the hand, yet incorporates a powerful highspeed motor (25,000 RPM) which is practically troubleproof. Ball bearing construction with packed-in lubrication, enclosed motor, built-in switch. Operates on 110-120 volts 25-60 cycles AC or DC. Supplied with $\frac{1}{8}$ " 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
C15354—De Lux HANDEE, complete with 7 accessories as follows: $\frac{1}{8}$ " 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 $2\frac{1}{2}$ " diameter wheel. Precision ground bearings are grease-sealed, packed to last the life of bearing. Interchangeable spring collet type chuck has capacity of $\frac{1}{8}$ " and $\frac{1}{16}$ ". 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 $\frac{1}{2}$ lbs.
C15265—Your Cost... \$32.72

Black & Decker $\frac{1}{4}$ " 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 $\frac{1}{2}$ ". Capacity in steel, up to $\frac{1}{4}$ " thick; in hardwood up to $\frac{1}{2}$ " 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 $\frac{1}{2}$ " production drilling. Operates on 110 volts AC or DC. Overall length 6 $\frac{3}{4}$ ". Spindle offset $\frac{3}{8}$ ". Shpg. wt. 4 $\frac{1}{2}$ 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 $\frac{3}{8}$ " thickness. Pkg. of 5... 49c
C15627—Wide knife, cuts up to $\frac{3}{8}$ " 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 $\frac{1}{2}$ " in your small electric drill. Shpg. wt. 4 lbs.
C14698—Each... \$7.65

Tap, Drill and Die Set



Contains three 1" diameter dies (4-36, 6-32, 8-32) with die 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 $\frac{1}{2}$ " 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—Each... \$1.15

Set of 9 Assorted Steel Drills



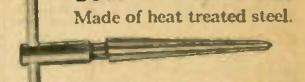
Sizes $\frac{1}{16}$ " to $\frac{1}{8}$ ". Good fast cutting steel. Correctly ground. Will hold edge. Popular sizes for radio work. In hard wood box.
C14708—Your Cost... \$1.10

Drill Stand




Holds complete set from No. 1-No. 60.
C17277... 35c

Tool Steel Reamers




Made of heat treated steel.
**C15049— $\frac{1}{8}$ " to $\frac{1}{2}$ ". 5 $\frac{1}{2}$ " overall with "T" handle.
C15050—Same but for Bit Brace. 69c
Either Type Above, Each
C15048— $\frac{3}{8}$ " to 1". 6 $\frac{1}{2}$ " 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 $\frac{1}{8}$ ", diameter .325". Shpg. wt. 1 lb.
C14999—Your Cost... 10c

Expansion Bits



Fine quality.
C15116— $\frac{3}{8}$ " to 1 $\frac{1}{2}$ ". \$1.10 Each
C15117— $\frac{1}{2}$ " to 3". \$1.25

TOOLS and BENCHES

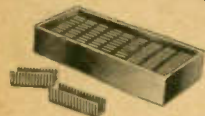
WALSCO Staple Driver



For neater, faster jobs on all wire and cable installations. Reaches places inaccessible with hammer and ordinary staples. Attaches staples to any surface. Lightweight, rustproof construction. Staples wires up to 1/4" diam. Single stroke with palm of hand drives staple home. Fully automatic. Magazine stapes 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. **Your Cost** **19¢**

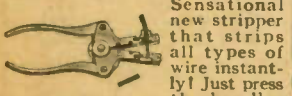
Combination Tacker and Stapling Machine



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. **Your Cost** **71¢**
C15280—Your Cost..... **71¢**
C15281—Box of 1000 Staples. 26¢

Wire Stripper
 Tempered steel cutting edge. **Your Cost** **12¢**
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 action. 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. **Your Cost** **\$3.53**
C15538—For sizes 14 to 24 wire. **Your Cost** **\$3.53**
 Either Type..... **\$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 1/2 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 3/4" or 1 1/4" hole to fit 3/4" 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—3/4" Complete
C15132—1/2" Complete
 Either Above, **Your Cost** **\$1.72**
C15135—Screw for 3/4" and 7/8" Punches. Each **20¢**
C15136—1" Complete..... **\$1.88**
C15138—1 1/2" Complete
C15139—1 3/4" Complete
C15140—1 1/2" Complete
C15141—1 1/4" Complete

Any Above, \$2.00

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. **Your Cost** **\$8.82**
C15067—Each..... **\$8.82**

Flexible Hack Saw Blades

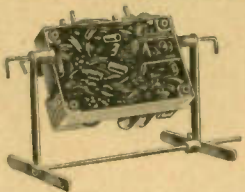


Extra hard. Extra flexible. Longer life. Scientifically heat treated for hardness and flexibility. For all standard frames. Shpg. wt. approx. 1 lb. per doz. All are 1/2" wide and .025" thick.
Your Cost **\$4.95**

No.	Length	Teeth*	Each	Doz.
C17273	10"	18	6¢	60¢
C17274	10"	24	6¢	60¢
C17275	12"	18	7¢	72¢
C17276	12"	24	7¢	72¢

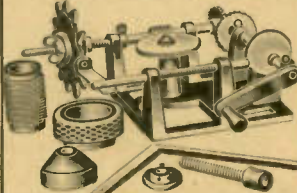
 *Number of teeth per inch.

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



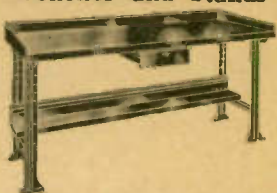
Will wind honey comb, spider-web, or solenoid coils of various widths and diameters equal in appearance to factory made coils. Includes all accessories for winding the various types. Has recorder and indicator that counts turns. Instructions included. Shpg. wt. 6 lbs.
C14725—Your Cost, Each... **\$4.95**

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. 1.65" x 3/8"; depth 3". Complete with 10" blade. Excellent addition to radio mechanics' and electricians' toolbox. Shpg. wt. 2 lbs.
C17282—Your Cost... **72¢**

LYON Industrial Benches and Stands



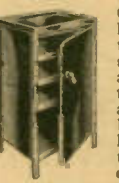
A definite advancement in steel bench design and construction. Heavy gauge steel legs formed to a T—2 3/8" wide and 2" deep assure rigidity and unusual strength. Floor plates 6"x2", attached with four heavy rivets. Legs attached to bench top through special wood attachment blocks which reduce noise. Finished in green baked enamel, 3/4" high 60" long and 34" deep. With 12"x16"x4" drawer. Shpg. wt. 206 lbs. **Your Cost** **\$21.31**
 Without drawer, shpg. wt. 196 lbs.
C22412—Each..... **\$18.42**
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.

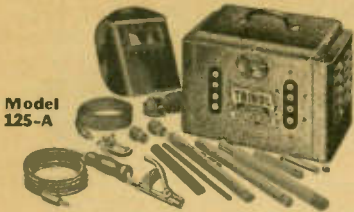
No.	Blade	Each
C15514	1/2"	47¢
C15515	3/4"	56¢
C15516	1"	65¢

 Set of three packed in box. Shpg. wt. 2 lbs.
C15517—Your Cost... **\$1.59**

TRINDL

SUPER

INDUSTRIAL 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 1/8" to 3/16" welding rods. Vernier Type Arc Control has 16 heat stages ranging from 10 to 125 amps. maximum, 110 amps. continuous. Fully equipped with headshield, electrode holder, welding, ground and power cables, "C" clamp, welding rods and simplified welding instructions. Size: 10 1/4" H. x 15 1/2" W. x 10 1/4" D. Shpg. wt. 90 lbs. **C25630** For 110V. 50-60 cycles A.C. **C25631** For 220V. 50-60 cycles A.C. Either Model **Your Cost \$56.84**
C25632—110-220 V.A.C. \$66.64

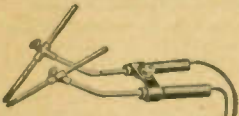
Appearance similar to Model 360-A. For heavy work; farm machinery, high speed industrial welding in tank and job welding shops, sheet metal shops, iron works, mills, foundries, factories, etc. Designed for continuous operation. 36 heat ranges from 20 to 260 amps. Handles 1/8" to 3/16" welding rods. Ready 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 1/8" to 1/4" inch carbons. **Your Cost \$6.66**

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	1/8"x12"	\$0.28	\$0.23	\$0.184
C25637	70	120	1/8"x14"	.22	.18	.115
C25638	120	200	1/8"x14"	.20	.16	.098
C25639	150	280	3/16"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. **Your Cost \$4.16**
C25641—300 Amps. Each \$4.90

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

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**

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 1/2". **C20296**—Postpaid **Your Cost \$98¢**

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, 7x5 1/4"x10 1/4", 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. **Your Cost \$50.27**

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 2801R 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"x4 1/4". Less counter. Shpg. wt. 6 lbs. **C15652**... Each **\$40.42**

Model 2801L 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 **Your Cost \$10.29**



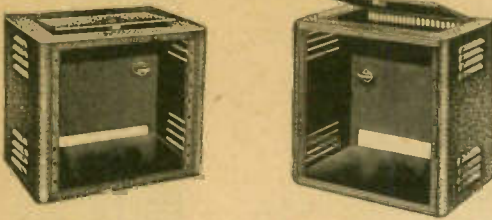
EBY Photo-Cell As used in above units. Fits 4-prong socket. Requires 150-250 volts. 1 1/2" dia. x 3/4" h. E-12 **C14170**—Your Cost **\$2.65**

Lafayette and Worner engineers will be glad to cooperate in helping you to choose the proper equipment for your photo-electric job. In addition to the units listed herein, many others are available. Write for free bulletins.



RACKS · PANELS · CABINETS

Steel Cabinets for Rack Panels



Heavy duty cabinets built of $\frac{1}{4}$ " steel and finished in black ripple Standard and DeLux models. Standard models have square re-enforced corners; spot welded joints. DeLux 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

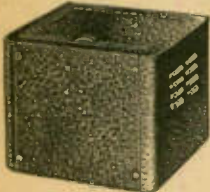
Stock No.	Cabinet Dimensions	Panel Space	Door Location	Shpg. Wt.	Your Cost
C22194	8 1/2 x 19 x 13 1/2"	8 1/2 x 19"	Top Only	20 lbs.	5 5.08
C22070	12 1/2 x 19 x 13 1/2"	12 1/2 x 19"	Top Only	27 lbs.	6.32
C22193	17 1/2 x 19 x 13 1/2"	17 1/2 x 19"	Top & Rear	34 lbs.	9.41
C22192	26 1/2 x 19 x 13 1/2"	26 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 1/2 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.

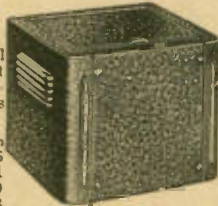


Stock No.	Dimen.	Panel Size	Your Cost
C22200	H. L. D.	8x 8"	\$2.65
C22201	8x12x 8"	8x10"	3.09
C22202	8x14x 8"	8x12"	3.88
C22203	12x20x12"	12x18"	7.06

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. D.	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.	Size Cabinet	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

$\frac{1}{4}$ " steel with black ripple finish. Mounting holes on 1 1/2" centers, tapped for 10-32 screws. Both 20" wide and 12" deep.

C22102	— 25" high. Panel space 21x19".	Shpg. wt. 33 lbs.	\$3.97
C22103	— 32" high. Panel space 28x19". Shpg. wt. 36 lbs.	\$5.15	

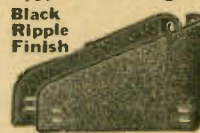
Heavy Duty Type $\frac{1}{16}$ " Steel Chassis With Bottom Cover Plates



One piece $\frac{1}{16}$ " 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

$\frac{1}{16}$ " Steel Mtg. Brackets



Black Ripple Finish. Panels must be at least 7" high. Mounting holes drilled.

Stock No.	Size, Base	Per Pair
C5271	8"	\$0.56
C5272	11"	.82
C15269	13"	1.00

I.C.A. $\frac{1}{16}$ " Steel Panels



Black wrinkle finish. For all radio applications.

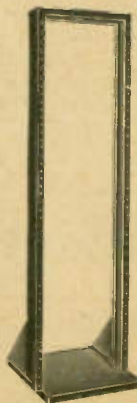
No.	Size	Wt.	Each
C22218	7x10"	2 lbs.	\$0.47
C22219	7x12"	2 lbs.	.53
C22220	7x14"	3 lbs.	.62
C22221	7x18"	4 lbs.	.82

I.C.A. Heavy Steel Rack Panels, Black or Gray

Heavy duty $\frac{1}{4}$ " 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 1/4"	7	.85	C22165	C22126	15 1/2"	14	2.12
C22160	C22121	7"	8	1.15	C22166	C22127	17 1/2"	15	2.26
C22161	C22122	8 1/2"	9	1.15	C22167	C22128	19"	16	2.45
C22162	C22123	10 1/2"	10	1.29	C22168	C22129	21"	17	2.76

Steel Channel Racks



Built of $\frac{1}{4}$ " 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 overall dimensions.

C22150	— 73 1/2" high. Wt. 85 lbs.	Panel space 71 1/2"	\$12.64
C22151	— 38 1/2" high. Wt. 57 lbs.	Panel space 36 1/2"	\$10.29

Enclosed Steel Racks

DeLux type, streamlined. Universally drilled for all standard panels. Stainless steel trim 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 In.	Wt. Lbs.	Your Cost
C22145	49"	36 1/2"	100	\$25.28
C22146	66 1/2"	61 1/2"	150	32.92
C22148	82 1/2"	77"	175	39.68



RACKS·PANELS·CABINETS

Ripple Finish Steel Cabinets

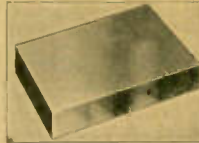
Sheet steel with spot welded reinforced corners. Covers removable, held by self-tapping screws.

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: **Ternplate** is steel with lead plating; **Electralloy** is a non-magnetic zinc alloy; also in **black wrinkle finish Ternplate**.

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.	Ternplate		Electralloy		Black Wrinkle	
				No.	Each	No.	Each	No.	Each
5	x 9	x 1 1/2	3 lbs.	C22299	\$0.48	C22320	\$0.75	C22306	\$0.57
5 1/2	x 10	x 3	3 lbs.	C22300	.57	C22321	.99	C22307	.65
7	x 7	x 2	3 lbs.	C22310	.52	C22322	.87	C22250	.61
7	x 9	x 2	3 lbs.	C22325	.57	C22331	.96	C22251	.67
7	x 11	x 2	3 lbs.	C22326	.60	C22332	1.05	C22308	.72
7	x 12	x 3	4 lbs.	C22302	.65	C22323	1.26	C22309	.75
7	x 13	x 2	4 lbs.	C22327	.67	C22333	1.20	C22252	.80
7	x 17	x 3	5 lbs.	C22303	.76	C22324	1.75	C22313	.91
10	x 12	x 3	5 lbs.	C22328	.75	C22324	1.79	C22253	.99
10	x 14	x 3	6 lbs.	C22304	.77	C22327	1.89	C22318	1.08
10	x 17	x 3	6 lbs.	C22329	.90	C22335	1.95	C22254	1.12
10	x 23	x 3	7 lbs.	C22330	.98	C22336	2.25	C22255	1.24
13	x 17	x 3	7 lbs.	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 Ripple Enamel and trimmed with red striped Chrome band. For 3" meters.



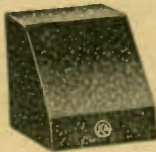
C22080—4 1/4" D. 4 1/2" W. and 4 1/2" H. Meter Hole 2 1/8". **\$1.32**
Your Cost.....

ICA Chrome Handles

A beautiful adornment for any cabinet, amplifier chassis transmitter, etc. With mtg. screws, 5/16" l. x 1/2" w. Mtg. centers 4 1/8". **41¢**
C14563—Your Cost.....



ICA Sloping Panel Steel Cabinets



C22097—(Left) 4 1/2 x 4 1/2 x 4 1/4". Shpg. wt. 2 lbs. Your Cost . \$1.26
C22098—(Right) 7 1/2 x 4 1/2 x 4 1/4". Shpg. wt. 5 lbs. Your Cost . 2.26



MASONITE and BAKELITE

Radio Panels

Masonite: Tempered Masonite, non-magnetic, sturdy, yet easily worked with ordinary woodworking tools. All panels 3/16" thick, finished in Black Ripple.

Bakelite: Fine grade bakelite, black finish panels, 3/16" thick. Also suitable for test instruments, meters, etc.

MASONITE PANELS

Size	Stock No.	Each	Wts.
7x10"	C22280	\$0.59	1/2 lb.
7x12"	C22281	.65	1 lb.
7x14"	C22282	.73	1 lb.
7x18"	C22283	.88	1 lb.
7x21"	C22279	.97	1 1/2 lbs.
7x24"			1 1/2 lbs.
7x30"			2 lbs.

BAKELITE PANELS

Size	Stock No.	Each	Wts.
7x10"	C19600	\$1.32	1 lb.
7x12"	C19601	1.62	1 lb.
7x14"	C19602	1.91	1 lb.
7x18"	C19603	2.41	1 lb.
7x21"	C19604	2.73	1 1/2 lbs.
7x24"	C19605	3.23	1 1/2 lbs.
7x30"	C19608	3.97	2 lbs.

MASONITE Relay Rack Panels

As above, but with amateur standard notching.

Stock No.	Size	Each
C22267	1 1/2 x 19"	\$0.47
C22268	3 1/2 x 19"	.59
C22269	5 1/4 x 19"	.73
C22277	7 x 19"	.85

Stock No.	Size	Each
C22284	8 1/4 x 19"	\$1.03
C22285	10 1/4 x 19"	1.18
C22286	12 1/4 x 19"	1.18

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 1/2" hole to fit 3/8" capscrew; 3/4" or larger hole to fit 3/4" cap screw. Each size tool consists of the metal and die for supporting the metal and die screw. Shpg. wt. 2 lbs.



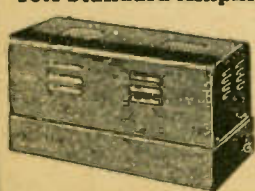
C15131—3/4" Complete	\$1.72
C15132—1/2" Complete	
Either Above, Each.....	
C15135—Screw for 3/4" and 7/8" Punches. Each.....	20¢
C15136—1" Complete.....	\$1.88
C15138—1 1/4" Complete	}
C15139—1 3/4" Complete	
C15140—1 1/2" Complete	
C15141—1 3/4" Complete	\$2.00
Any Above, Each.....	
C15142—1 3/4" Complete.....	\$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. **\$8.82**
C15067—Your Cost Each.....



ICA Standard Amplifier Foundation Chassis

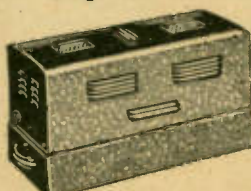


Streamlined amplifier chassis and covers, with new decorative grille-type ventilators. Chassis stamped from one piece cold-rolled steel, finished in black ripple. Covers are 6" deep and slate gray, presenting a contrasting two-tone effect. Chassis are drilled for bottom plates (not supplied) see listing on page 74. Chassis height 3".

No.	Size	Wt.	Each
C22132	5 1/4" 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 ripple 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 1/4" 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 1/4"	10x17"	11	\$5.35
C22134	10x14x9 1/4"	13x14"	11	6.03
C22147	10x17x9 1/4"	13x17"	11	6.47



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RADIO FUNDAMENTALS



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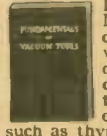
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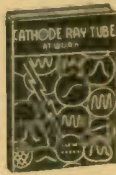
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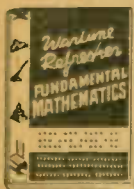
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- ★ 14 Units Afford Maximum Replacement Adaptability
- ★ Produced by First-Line Transformer Manufacturers

The transformers and chokes listed below are manufactured by Thordarson, Stancor, Utah and other famous American transformer manufacturers. They meet the specifications of the new "American Standards" approved line of transformers, designed to afford the maximum replacement adaptability with the least possible use of strategic raw materials. These fourteen units will cover the vast majority of replacement requirements encountered in servicing work today. All are first quality components guaranteed for service. Prices below are those set tentatively by the O.P.A. as we go to press. *Should prices be revised, please remit as per prices below and we will credit or debit your shipment as per the revision.*

POWER TRANSFORMERS

Stock No.	Type Number	Plate-Winding Volts	Ma.	Rect. Volts	Filament C.T. A.	Filament Volt C.T. Amps	Type	Mounting-Area H. x W. x D.	Mounting Centers	Weight in Lbs.	Your Cost
FOR 2.5 VOLT TUBES											
C2069	VPT-1	325-0-325	70	5.0	3.0	2.5 9.0 { 2.5 12.5 2.5 3.5 }	A	3 3/4" x 3 3/4" x 3 3/4"	3 1/2" x 2 1/2"	4.0	\$2.97
C2070	VPT-2	325-0-325	120	5.0	3.0		A	3 3/4" x 3 1/4" x 4 1/4"	3 1/2" x 2 1/2"	6.0	4.17
FOR 6.3 VOLT TUBES											
C2071	VPT-3	210-0-210	50	5.0	2.0	6.3 2.0	A	3" x 2 1/4" x 3 1/4"	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 1/4" x 3 1/4"	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 1/4" x 4"	3 1/4" x 2 1/2"	5.2	3.35
C2074	VPT-6	350-0-350	200	5.0	3.0	6.3 6.0	A	4 1/2" x 3 3/4" x 4"	3 3/4" x 3"	7.1	4.56

Power transformers have 117 v. 50-60 cy. electrostatically shielded primaries.

FILTER CHOKES

Stock No.	Part Number	Inductance in Henries	Max. D.C. in Ma.	Resistance in Ohms	Type	Dimensions H. x W. x D.	Mounting Centers	Weight in Lbs.	Your Cost
C2075	VPR-1	6	50	300	B	1 3/4" x 2 1/4" x 1 1/2"	2 1/2"	0.6	\$.68
C2076	VPR-2	8	120	250	B	2 3/4" x 4" x 2 1/4"	3 1/2"	2.4	1.38

INTERSTAGE TRANSFORMERS

Stock No.	Part Number	Application	Turns Ratio	Primary D.C. Ma.	Core Size	Type	Dimensions H. x W. x D.	Mounting Centers	Weight in Lbs.	Your Cost
C2077	VAT-1	Interstageor Input	3:1	10	3/8" x 3/8"	B	1 3/8" x 2 1/8" x 1 1/2"	2 1/8"	0.6	\$1.03
C2078	VAT-2	Universal*	1:1/3:1/6:1	10	1/2" x 1"	C	2 3/4" x 2 1/4" x 2"	2 1/4"	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	Dimensions H. x W. x D.	Mounting Centers	Weight in Lbs.	Your Cost
		Primary	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 1/4" x 1 1/8"	2 1/8"	1.7	\$1.32

OUTPUT TRANSFORMERS

Stock No.	Part Number	Output Tubes	IMPEDANCE		Primary D.C. Ma.	Max. Aud. Watts	Core Size	Type	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	1/2" x 3/8"	D	1 3/8" 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	3/4" x 3/4"	D	1 3/8" x 2 3/8" x 1 1/4"	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 1/4" x 1 1/8"	2 1/8"	1.7	1.50



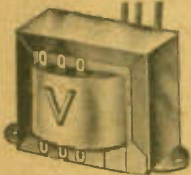
Type A



Type B



Type C



Type D

VICTORY-LINE CONDENSERS

The Victory Line of condensers is identical for all manufacturers. In order to insure prompt delivery of your orders for Victory Line Condensers, we ship either Sprague, Cornell-Dubilier, Aerovox, or Mallory, whichever is available at the time your order is received.

PAPER TUBULARS

Will enable handling of practically any by-pass job. Non-inductively wound, sealed and impregnated. They are small, have a high safety factor, are uniform in electrical characteristics and are provided with well-soldered wire leads. All are 600 D.C. working voltage.

No.	Cap.	Size	Each
C2628	.00025	1 1/2" x 1 1/4"	12c
C2631	.001	1 1/2" x 1 1/4"	12c
C2632	.002	1 1/2" x 1 1/4"	12c
C2635	.005	1 1/2" x 1 1/4"	12c
C2637	.01	1 1/2" x 1 1/4"	12c
C2638	.02	1 1/2" x 1 1/4"	12c
C2639	.05	1 1/2" x 1 1/4"	15c
C2641	.1	1 1/2" x 1 1/4"	18c
C2642	.2	1 1/2" x 2 1/4"	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. Mfd.	D.C. V.W.	Size Dia x L.	YOUR COST
C3150	100	25	3/8" x 1 1/2"	\$0.50
C3151	10	50	3/8" x 1 1/2"	.32
C3152	20	150	1/2" x 2"	.44
C3153	20-20	150	3/8" x 2"	.76
C3154	50	150	3/8" x 2 1/2"	.65
C3155	20	250	3/8" x 2 1/2"	.59
C3156	10	450	1/2" x 2 1/2"	.50
C3157	10-10	450	1" x 3 1/2"	.82
C3158	40	450	1 1/8" 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 which ever is available at time order is received. Standard make controls with switches and built-in double flatted shafts. Will take 1/4" and 3/8" push-on knobs and set screw knobs without filing. Depth, less switch 3/4", depth, with switch 3/8". Control diameter, 1 1/4". 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	A	.....	C9130	1 Meg.	C	250M
C9121	100,000	A	.....	C9131	2 Meg.	C	.....
C9122	100,000	C	.....	C9147	2 Meg.	H	500M

Any Untapped Control, **59¢** Any Tapped Control, **88¢**
Your Cost Each.....

C7796—S.P.S.T. Switch for any control above. Each.....29¢
C7797—D.P.S.T. Switch for any control above. Each.....35¢

|| KEEP BUYING MORE AND MORE WAR BONDS AND STAMPS ||



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.....
100 for.....56.30

CENTRALAB Insulated Carbon Resistors



Type 314. Same as above but rated at 1 watt. Available only in the sizes listed below:

Ohms	Ohms	Ohms
200	10,000	60,000
8,000	12,000	250,000

C4421—Specify resistance when ordering. 11¢
Your Cost Each.....
100 for.....59.80

$\frac{1}{2}$ 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... 5¢
100 for.....54.50

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	Ohms	Ohms
1	5	15	20	400	
1 1/2	6	16	300	450	
3	8	18	350	500	
4	10				

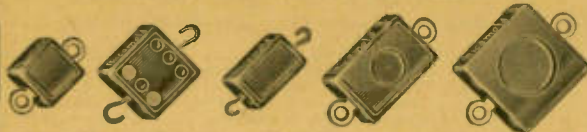
C4427—Specify resistance when ordering. Your Cost... 9¢
10 for.....85c

Slotted Bracket



2" high, 1 3/4" long, 3/8" wide. For condensers, etc.
C14906— 6¢
Your Cost.....

MICAMOLD Mica Condensers



Type W $\frac{1}{2}$ " Square
Type S $\frac{3}{4}$ " Square
Type O $1\frac{1}{2}$ "x $1\frac{1}{2}$ "
Type J $1\frac{1}{2}$ "x $3/8$ "
Type M $1\frac{1}{2}$ "x $1\frac{1}{8}$ "

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	C3562	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

$\frac{1}{2}$ Watt Uninsulated Carbon Resistors



Small size $\frac{1}{2}$ watt carbon resistors with axial leads. Although they measure only $\frac{1}{4}$ "x $\frac{3}{16}$ ", 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.....
100 For.....53.60

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.....55.40

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— 9¢
Your Cost Each.....
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 \$1.69
Specially Priced...

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. 9¢
Your Cost each.....
100 for.....58.25

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. $1\frac{1}{2}$ "x $\frac{1}{2}$ " diam. A high quality unit at a moderate price. Quantity Limited!
C10414— 14¢
Specially Priced.....

Binding Post



Well made binding post at a low price. Double connector type, sturdily constructed. Brown Bakelite.

C11324—Specially Priced. 12¢
Your Cost.....

Wave Band Switch

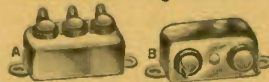
Four Pole, 3 position shorting type wave band switch. Shorts out unused coils.

C12829—Specially Priced 19¢
Your Cost.....

Live Rubber Mounts

Excellent live rubber mounts for floating gang condensers, sockets, and record changers to prevent microphonics. $\frac{3}{8}$ -in. high. Priced.
C14798—Per Doz. 10¢
Per 100.....60c

Bathtub 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— 1.19
Your Cost.....
(B) 1 Mfd. 600 V. D.C.
C2360—Your Cost .79
(C) 2x.1 Mfd. 400 V. D.C.
C2361—Your Cost .99
(B) 3x.1 Mfd. 400 V. D.C.
C2362— 1.13
Your Cost.....
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 1/2" high, 4 3/4" wide and 2 1/2" deep with 3 1/4" hole. Shpg. wt. 2 lbs.
C12668— 39¢
Your Cost.....



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. **\$4.09**
C21824—Your Cost.



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—**\$1.95**
Specially Priced.



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, 3/4" 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 1/2" wide, 6 3/4" 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, lightweight 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. C18900—Shpg. wt. 9 lbs. **\$5.29**
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. C19214—Your Cost... **\$6.99**



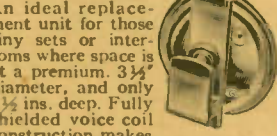
6" Utah PM Speaker

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. C19434—Your Cost... **\$2.55**



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. C19103—Shpg. wt. 1 lb. **79¢**
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"x9 3/4". Shpg. wt. 13 lbs. C22061—Your Cost... **\$3.95**



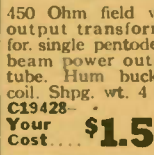
6" Dynamic Speaker

Heavy 6" speaker without 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. C19433—Your Cost... **\$1.95**



5" Dynamic Speaker

450 Ohm field with output transformer for single pentode or beam power output tube. Hum bucking coil. Shpg. wt. 4 lbs. C19428—Your Cost... **\$1.50**



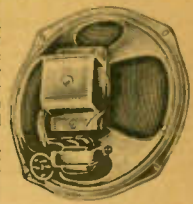
Dual Speaker Case

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"x22 1/2". Shpg. wt. 13 lbs. C22062—Your Cost... **\$6.45**



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. C19145—Your Cost... **\$3.09**



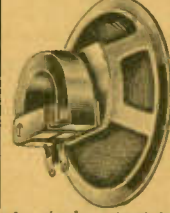
Improved 5" Magnetic Speaker

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. C19152—Your Cost... **\$1.29**



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. C19230—Diam. 5". Your Cost... **\$1.25**



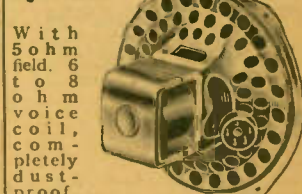
LAFAYETTE Oval Auto Dynamic

A highly efficient field coil speaker for auto replacement use. Improves bass response. 4 ohm field coil; 6-8 ohm voice coil. 9 1/2" wide, 6 3/4" high, 4 1/2" deep. Sturdy construction, heavy metal frame. Less transformer. Shpg. wt. 4 lbs. C19140—Your Cost... **\$1.39**



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. C19105—Your Cost... **\$1.49**



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. C19436—Each... **\$6.47**



|| 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 3/4"x3 1/4"x4 1/8". Shpg. wt. 5 lbs.



\$3.35

C1900—Your Cost, Each

Power Transformer

Type P9838. Compact and efficient units conservatively designed for maximum life. Primary—115V., 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. Dimensions: 3 3/4"x4 1/4"x4 1/8". Shpg. wt. 9 1/4 lbs.

C1902—Your Cost..... \$5.29

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 3/8"x2 3/8"x3". Wt. 2 1/2 lbs.



C1903—Each..... \$1.41

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 3/4"x3 3/4"x4 1/8".



C1901—Shpg. wt. 9 lbs. Your Cost..... \$4.41

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 3/8"x3 3/8"x4 1/8".



C1904—Shpg. wt. 5 1/2 lbs. Your Cost..... \$2.82

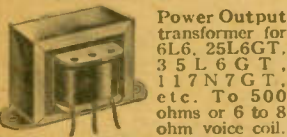
Kit of 25 Tubular By-Pass Condensers



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¢

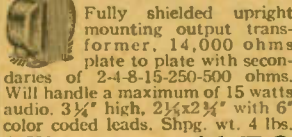
BEAM POWER OUTPUT TRANSFORMER



Power Output transformer for 6L6, 25L6GT, 3 5 L 6 G T, 1 17 N 7 G T, etc. To 500 ohms or 6 to 8 ohm voice coil.

(Separate windings.) Open type mounting 3 1/2" centers. With leads. C1534—Shpg. Wt. 3 lbs. Specially Priced..... **97¢**

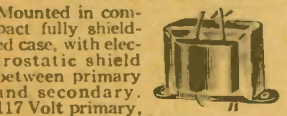
Trutest Push-Pull Output Transformer



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 3/4" high, 2 1/2"x2 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 1/2 Amps and 70 volts at 50MA. Secondary 135 volts at 50 MA. with tap at 6.3 volts at 1 1/2 Amps. With 10-in. color coded leads. C5616—Shpg. Wt. 2 lbs. Your Cost..... **89¢**

Heavy Duty Output Transformer

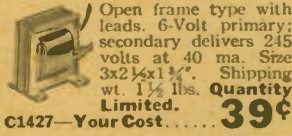


Open frame mounting with color coded leads. Primary for push-pull tubes, 5000 ohms plate to plate. Tapped secondary for 8 or 16 ohm voice coils. Will handle 25 watt output. Mounting centers 3 1/2". Shpg. wt. 3 lbs. C1628—Your Cost..... **\$1.89**

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 1/4"x1 1/2"x2 1/4", centers 2". Wt. 1 lb. C1606—Specially Priced! **29¢**

Full Wave Vibrator Transformer



Open frame type with leads. 6-Volt primary; secondary delivers 245 volts at 40 ma. Size 3x2 1/2"x1 1/2". Shipping wt. 1 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 1/2" Mtg. Centers. Wt. 1 lb. C1608—Your Cost..... **79¢**

Philco Vibrators

Philco Part No. 41-3186—4 prong non-synchronous 1 3/8"x4 1/4" 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. **\$1.19**

C6102—Your Cost..... \$1.19
Philco Pt. No. 413170—4 pr. non-synchronous, 2x3 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 1/2"x2 1/2" high. Equivalent to Mallory 5091.

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. **\$1.59**

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 3/8"x2 3/8". **C2426—Your Cost..... 65¢**

40-15-15-20 Mfd. at 475-350-150-25 Volts DC Working. Can Common Negative. 1 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. 1/2" L. for No. 6 Mach. screws. Per Gr. **79¢**
O.D. For No. 6 Screws 1/2" L. Per Gross..... **79¢**
C15454—1/4" O.D. 1/2" L. for No. 6 Mach. screws. Per Gr. **89¢**
O.D. For No. 6 Screws 1/2" L. Per Gross..... **89¢**

Brass Machine Screws
C15499—1/36x1" Round Head Per Gross..... **74¢**
C15492—1/36x1 1/2" Rd. Head Cap Screw. Per Doz. ***\$15¢**
C15494—1/36x2 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"—28x3/4" Hex Nuts. Per Gross..... **65¢**
C15406—1/4"—20x1/2" Brass Hex. Nuts. Per Doz..... ***\$23¢**
C15407—1/4"—24x3/4" Hex Nuts. Per Doz..... ***\$17¢**

Felt Bumper Feet
C15456—1/4" O.D. with No. 8/32. Mtg. Screw 1/4" L. ***\$15¢**
C15457—1/4" O.D. with No. 10/32. Mtg. Screw 3/8" L. Per Doz..... ***\$16¢**

Self Tapping Screws
C15430—4x 1/2" Hex Hd. **26¢**
C15421—6x 1/2" Hex Hd. **26¢**
C15428—6x 3/4" Binder Hd. **29¢**
C15424—6x 1/2" Hex Hd. **36¢**
C15431—6x 3/4" Binder Hd. **36¢**
C15425—8x 1/2" Hex Hd. **35¢**
C15432—8x 3/4" Binder Hd. **35¢**
C15423—8x 1/2" Binder Hd. **39¢**
C15427—8x 1 1/2" Hex Hd. **63¢**

Fibre Washers
C15468—3/8" O.D. 1/4" I.D. .041 thick. Per Gross..... **52¢**

Tubular Rivets (Solid Type)
C15442—1/4" D x 1/2" L..... **40¢**
C15443—1/4" D x 1/2" L..... **44¢**

Set Hex 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—8/32x1/4" Round Hd. with Lock Washer. Per Gross..... **36¢**
C15478—8/32 x 1/2" Binder Hd. Per Gr. **32¢**
C15480—8/32 x 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..... ***\$44¢**
C15412—3/8" Dia. x 1/2" Hex Head Cap Screw. Per Doz. ***\$22¢**

Steel Washers
C15459—5/8" O.D. 1/2" I. D. .050 thick. Per Gross..... **35¢**
C15460—1" O.D. 1/2" I. D. .085 thick. Per Gross..... **41¢**
C15461—1" O.D. 1/2" I. D. .065 thick. Per Gross..... **40¢**
C15464—1" O.D. 1/2" I. D. .032 thick. Per Gross..... **39¢**
C15465—1 1/8" O.D. 1/2" I.D. .032 thick. Per Gross..... **42¢**
C15467—1 1/8" O.D. 1/2" I.D. .051 thick. Per Gross..... **37¢**

Wood Screws
C15440—43x 1/2" Flat Hd. Bronze Finish. Per Gross..... **32¢**
C15439—6x6x 1/2" Rd. Hd. Br. Fin. **49¢**
C15435—6x 1/2" Rd. Hd. Br. Fin. **40¢**
C15434—6x 1/2" Rd. Hd. Blued Finish. Per Gross..... **32¢**
C15436—6x 1/2" Rd. Hd. Parkerized Finish. Per Gross..... **36¢**
C15437—8x1" Rd. Hd. Bright Finish. Per Gross..... **56¢**
C15439—10x1 1/2" Flat Hd. Bright Finish..... **62¢**

Lock Washers
C15447—3/8" I. D., 1/2" O. D. External Teeth..... **40¢**
C15448—3/8" I. D., 1/2" 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 $\frac{1}{4}$ " diameter shaft $\frac{7}{8}$ " long and mounts on panel or chassis by means of two $\frac{1}{4}$ x $\frac{1}{16}$ machine screws. Requires 1" x $\frac{1}{2}$ " panel space, extends 2" behind panel.
C10847—
Specially priced..... 97¢

Push Button Gang Condensers



Don't overlook this double barreled 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 looked for any station. The four adjustable buttons do not interfere with regular tuning, and require only slight pressure to operate. Both units are 1 $\frac{1}{2}$ " x 3" x 3" overall, and have $\frac{1}{4}$ " shafts extending 1 $\frac{1}{2}$ ". 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



Wire Wound Units

Moisture proof. Heat resisting insulation. Fit all cars. Low d.c. resistance, yet highly resistant to ignition noises.

C5301—Spark Plug
C5302—Distributor
C5303—Slip-On
Any Type, Each..... 36¢
Per 10 Ass't..... 53.24

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 $\frac{7}{8}$ " x $1\frac{1}{2}$ " 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 into position. Lo-loss bakelite insulation. Improved ball-bearing. Counter-clockwise rotation for all types. $\frac{1}{4}$ " shafts. Overall dim.: 1 $\frac{1}{2}$ " x $1\frac{1}{2}$ " x $\frac{1}{8}$ " deep. Less trimmers. Wt. 1 lb.

No.	Mmf.	Each
C10189*	15	79¢
C10190*	25	
C10191*	35	
C10193*	75	
C10194	100	85¢
C10197	365	

*Double Spaced.



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 $\frac{1}{2}$ " high, and 4 $\frac{1}{2}$ " deep, $\frac{3}{8}$ " shaft extends $\frac{1}{2}$ ". Counter-clockwise rotation, less trimmers.
C9734—Shpg. wt. 3 lbs. 79¢
Your Cost.....

3-Gang TRF Condenser

Three gang .000365 clockwise TRF condenser. With $\frac{3}{8}$ " dial drive pulley attached. Shpg. wt. 2 lbs.
C9703—
Specially Priced..... 89¢

Gang Condenser Assortment

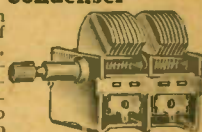
You don't have to pay high prices for high quality merchandise—not at Lafayette! Here are ten assorted gang condensers, all brand new, unused and every one precision made of finest quality materials to give long lasting, dependable service. All are standard sizes and capacities with many midget and TRF. 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 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 $\frac{1}{4}$ " shaft extending $\frac{1}{2}$ " from pulley. Counter clockwise rotation. Overall size 2 $\frac{1}{2}$ " high, 3 $\frac{1}{2}$ " wide, and 3 $\frac{1}{2}$ " 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 $\frac{3}{8}$ " shafts extending 1 $\frac{1}{2}$ ". Overall size 2 $\frac{1}{2}$ " wide, 2 $\frac{1}{2}$ " deep and 1 $\frac{1}{2}$ " 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 $\frac{1}{2}$ " wide, 1 $\frac{1}{2}$ " high and 5" deep. $\frac{3}{8}$ " shaft extends 1 $\frac{1}{2}$ ". Counter-clockwise rotation, less trimmers.
C9735—Shpg. wt 3 lbs. 79¢
Your Cost.....



Molded Bakelite Sockets

No.	Prongs	Each	10 For
C13090	4	24¢	\$2.16
C13091	5		
C13092	6	26c	52.34
C13093	7	29¢	\$2.61
L & S	8		
C13080	octal		

Combination Sockets

C13095—4, 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
C13072	4	24¢	24c
C13073	5		
C13076	6	27c	
C13077	7 L & S	29¢	29c
C13079	8 octal		



Sockets

C13126—Midget wafer octal sockets, 1 $\frac{1}{2}$ " mounting centers.
Specially Priced
Each..... 5¢
10 for..... 45¢
C13136—Midget molded octal sockets, 1 $\frac{1}{2}$ " 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 $\frac{1}{2}$ " mounting center. Pins #4 and 6 Blank.
Specially Priced, Each..... 4¢
10 for..... 35¢
C13107—Octal socket with metal mounting plate 1 $\frac{1}{2}$ " mounting center.
Specially Priced, Each..... 5¢
10 for..... 45¢
C13127—Octal Wafer socket 1 $\frac{1}{2}$ " mounting centers.
Each..... 5¢
10 For..... 45¢



Wafer Sockets

Sturdily constructed of laminated Bakelite. Heavily-plated, self-aligning, floating one-piece contacts. Midgets have 1 $\frac{1}{2}$ " centers; standard 1 $\frac{1}{4}$ ".

Standard Size

Stock No.	Prongs	Your Cost Ea.
C13070	Four	5¢
C13078	Five	
C13071	Six	
C13069	7, small	
C13074	7, large	

10 For.... 45c

Midget Size

No.	Prongs	Each	10 For
C13114	Four	5¢	45¢
C13115	Five		
C13121	Six		
C13122	7, small		
C13125	7, large		
C13127	8, octal		

New Wafer Loktal

1 $\frac{1}{4}$ " Mtg. Centers. Each 10 For
C13075—8 prong. 6c 55c

"Miniature" Wafer

For the ultra-compact all glass tubes ($\frac{3}{8}$ " dia.) 7-pin type. Mtg. center, $\frac{1}{8}$ ".
C13097—Each..... 5¢
10 For..... 45c

Serviceman's Special

Molded socket. Replaces wafer types. Mounting centers 1 $\frac{1}{2}$ ".

C13174—4 pr.	5¢ Ea.
C13176—5 pr.†	
C13177—6 pr.†	
C13178—7 pr. S.	
C13107—8 (octal)	

25 for \$1.10
Quantity Limited.



Slide Rule Books

Instructions for Using Slide Rules
 Handy 20-page volume on Slide Rule Instructions. Gives practical problems, conversion factors, etc.
C2013—
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.
C2024—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, $\frac{1}{4}$ " thick. Plain, no markings.

No.	Terminals	Each	10 For
C13145	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 $2\frac{1}{2} \times 1\frac{1}{2} \times \frac{3}{4}$ " 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: $12 \times 4\frac{1}{2} \times 6\frac{1}{2}$ ". Shpg. wt. 6 $\frac{1}{2}$ lbs.

C17193—RCA No. 41903 Your Cost..... \$6.95

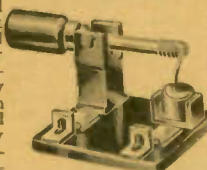
GAROD Permatone Phono Needle



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—DeLuxe. Plays over 7000 recordings. Your Cost..... 88¢

Crystal Detector

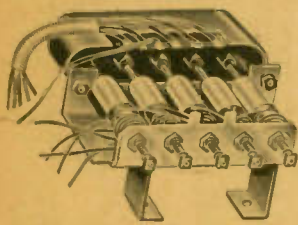


Ball and socket swivel arm for contacting any point on crystal quickly and easily. Attractively mounted. Furnished with crystal that is tested for extra sensitivity. Clip terminals.

C13917—Complete..... 14¢
10 For..... \$1.26

NOTE:
For Galena Crystals, Cat Whiskers and other crystal detectors see page 99.

PERMEABILITY TUNED COIL ASSEMBLY



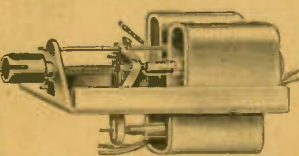
A timely value priced extra low to give you bigger savings. Complete permeability tuned oscillator and antenna coil assembly consisting of five separate sets of oscillator and antenna coils to cover a frequency range of 540 to 1600 KC. Each set of coils has an individual adjustment for setting stations 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 assembly can be used to convert any push button receiver. The coils in the set do not have to be removed, and manual tuning is in no way affected by installation of this unit. Overall size $4 \times 3 \frac{1}{2} \times 1$ 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 $2\frac{3}{8} \times 2\frac{3}{8} \times 4$ " 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, $\frac{3}{4}$ " 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-glaze porcelain insulators. Non-corrosive and lacquer finished lead coated steel case. Conservatively rated. 3 Mfd. 3000 V.D.C. Dimensions: $6 \times 3 \frac{1}{2} \times 4 \frac{1}{2}$ ". 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. $4\frac{1}{2}$ " L. x $3\frac{3}{4}$ " W. x $1\frac{1}{2}$ " 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. $4\frac{1}{2} \times 3\frac{1}{2} \times 3\frac{1}{2}$ ". 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. $3\frac{1}{2}$ " L. x $1\frac{1}{2}$ " D. x $2\frac{1}{2}$ " 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 $\frac{1}{4}$ ".

C14957—Your Cost..... 41¢

Special Value Metal Phone Plugs



Nickel plated brass phone plug for 1 or 2 sets of cords. Fully insulated bushing. $3\frac{1}{2}$ " long, $\frac{1}{4}$ " 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. $1\frac{1}{2}$ " shafts extending from $\frac{1}{2}$ " bushing, $\frac{3}{8}$ " 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 mfd 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 mfd TRF condenser and 750 mfd 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 mid., condenser.

C10012—Antenna coil..... 30¢
C10095—R.F. Coil..... 30¢
Your Cost Each..... 30¢
C10096—Set of 2 Coils..... 59¢

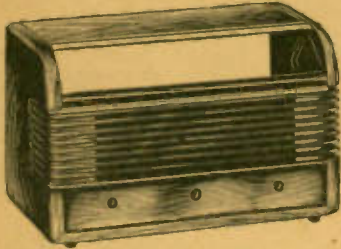
Substantial Savings!

RCA RADIO CABINETS

★ IN ORIGINAL SEALED CARTON ★ QUANTITIES LIMITED

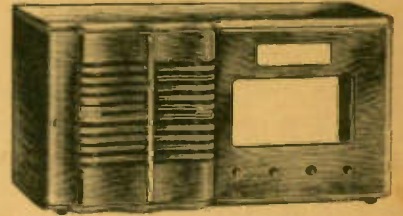
Never before offered at these low prices! Brand-new genuine RCA radio cabinets are now offered for the first time at a fraction of their original resale price. Exact replacement cabinets for RCA sets, also excellent for use in replacing many other types of cabinets.

All table model cabinets, beautifully finished, in sturdy woods and exquisite plastics. Each cabinet is supplied in its original factory sealed carton. Extremely limited quantities. No more when these are gone. Rush your orders NOW!



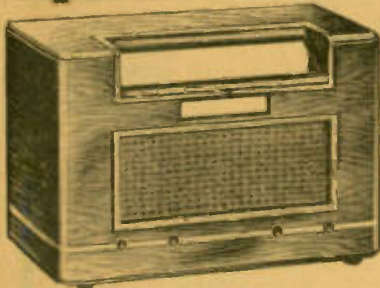
MODEL 36X
Specially Priced \$3.95

MODEL 36X (at left). A handsome, dark walnut cabinet with modern roll front top edge. 8 $\frac{3}{4}$ " high, 13 $\frac{3}{4}$ " wide and 7 $\frac{1}{2}$ " deep. Will accommodate chassis up to 12 $\frac{1}{2}$ "x6". Inside height 7 $\frac{1}{2}$ ". Takes a 4 $\frac{1}{2}$ " speaker. Has wood louvre front speaker grille and three control mounting holes in inset control panel. Dial opening 12 $\frac{1}{4}$ " wide, 2 $\frac{3}{4}$ " high. Excellent satin-rubbed finish. Shpg. wt. 6 lbs.
C25703—Your Cost..... \$3.95



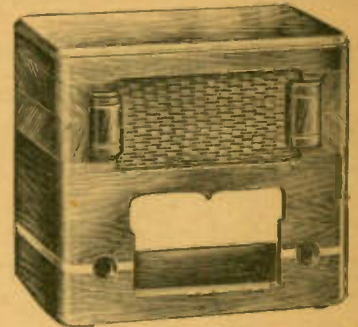
MODEL 16T4
Specially Priced \$4.95

MODEL 16T4 (at right). Sturdily constructed, modern design walnut cabinet with contrasting shade top. 9 $\frac{1}{4}$ " high, 19 $\frac{1}{4}$ " wide, 8 $\frac{3}{4}$ " deep. For chassis up to 17 $\frac{1}{2}$ "x7"; inside height 8 $\frac{1}{2}$ ". Can mount a 7" speaker. Dial opening 7" wide by 3 $\frac{1}{2}$ " deep, with push button opening 4 $\frac{1}{2}$ "x1 $\frac{1}{4}$ ". Has curved louvred wooden speaker grille opening and four control mounting holes. Beautifully finished. Shpg. wt. 9 lbs.
C25704—Your Cost..... \$4.95



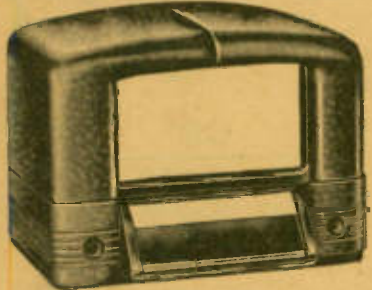
MODEL 18T
Specially Priced \$4.95

MODEL 18T (at left). Matched-grain walnut cabinet for inset dial mount in top front. 11 $\frac{1}{2}$ " high, 11 $\frac{1}{2}$ " wide, 10" deep. For chassis up to 16x8". Beautiful gold frieze speaker grille opening 11 $\frac{1}{2}$ " wide, 4 $\frac{1}{2}$ " high. Push button opening 5x1 $\frac{1}{2}$ " high. Inside height 11"; will mount 6" speaker. Dial opening, inset in front top edge, 11 $\frac{1}{2}$ " wide, 3" deep, 4 control openings. Shpg. wt. 11 lbs.
C25705—Your Cost..... \$4.95



MODEL T65
Specially Priced \$4.95

MODEL T65 (at right). A two-tone walnut table console cabinet, modernly designed and beautifully finished. 12 $\frac{1}{4}$ " high, 14 $\frac{1}{2}$ " wide, 9 $\frac{1}{4}$ " deep, with gold frieze speaker grille 4 $\frac{1}{2}$ "x9" wide. Dial opening, 4 $\frac{1}{2}$ " high, 7 $\frac{1}{4}$ " wide. Will accommodate up to 12 $\frac{1}{2}$ "x8 $\frac{1}{2}$ " chassis. Inside height 11 $\frac{1}{4}$ ". For 6" speaker. Two control openings. Matched grain with light contrasting stripe. Shpg. wt. 9 lbs.
C25702—Your Cost..... \$4.95



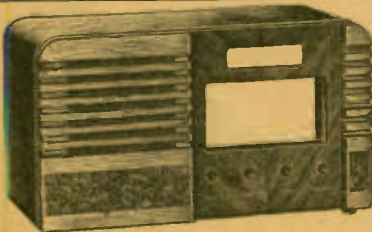
MODEL 6Q1
Specially Priced \$3.95

MODEL 6Q1 (at left). Attractive mahogany plastic cabinet of ultra modern design. Sturdy $\frac{3}{8}$ " shell overall with reinforced mounts. 12 $\frac{1}{2}$ " high, 16 $\frac{1}{2}$ " wide, 11" deep. Has extending dial opening 8 $\frac{1}{2}$ "x3" high. Speaker opening 9 $\frac{1}{2}$ "x5 $\frac{1}{2}$ " high. Will accommodate chassis 16x9"; 11 $\frac{1}{2}$ " high inside. Room for 6" speaker. Two molded control openings. All one piece shell. Shpg. wt. 13 lbs.
C25701—Your Cost..... \$3.95



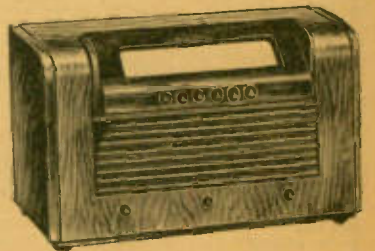
MODEL 12AX
Specially Priced \$1.95

MODEL 12AX (at right). An exquisite brown plastic portable cabinet with carrying handle. 6 $\frac{3}{4}$ " high, 10" wide, 6" deep. Has top front dial opening 5 $\frac{1}{2}$ " wide, 1" high. Louvre front speaker grille; mounts 5" speaker. Will accommodate 9x5 $\frac{1}{2}$ " chassis. Simulated flame grain finish. Sturdy shell. Two control mount holes. Shpg. wt. 4 lbs.
C25700—Your Cost..... \$1.95



MODEL 16T3
Specially Priced \$3.95

MODEL 16T3 (at left). Handsome flame-grain two-tone walnut cabinet with rounded edges. 10" high, 18" wide, 8 $\frac{1}{2}$ " deep. Has 7"x3 $\frac{1}{2}$ " dial opening and 4 $\frac{1}{2}$ "x1 $\frac{1}{4}$ " push button opening. Will accommodate 16 $\frac{1}{2}$ "x7" chassis; inside height 8 $\frac{1}{2}$ ". For 6 $\frac{1}{2}$ " speaker. Four control mounting holes on inset control panel. Beautiful overall louvre pattern. Shpg. wt. 8 lbs.
C25706—Your Cost..... \$3.95



MODEL 16X14
Specially Priced \$3.95

MODEL 16X14 (at right). A modern roll front walnut cabinet with contrasting dial and speaker grille panel. 9 $\frac{1}{4}$ " high, 15" wide, 6 $\frac{3}{4}$ " deep. Speaker opening 10 $\frac{1}{2}$ " wide, 3 $\frac{1}{2}$ " high. Panel has 6 push button holes spaced $\frac{1}{4}$ " apart. For up to 12 $\frac{1}{2}$ "x5 $\frac{1}{2}$ " chassis; inside height 8". Will take 5" speaker. Louvred wood speaker grille. Dial opening 7 $\frac{1}{2}$ " wide, 2" high. Shpg. wt. 7 lbs.
C25707—Your Cost..... \$3.95

MODEL 14BT2 (not illustrated). Two tone walnut cabinet with light contrasting horizontal stripes. 9 $\frac{1}{4}$ " high, 18" wide, 10" deep. Dial opening 6 $\frac{1}{2}$ "x3 $\frac{1}{2}$ " high. Has wood louvre grille and will mount a 6" speaker. Accommodates up to 14 $\frac{1}{2}$ "x8 $\frac{1}{2}$ " chassis. Three control mounting holes. Shpg. wt. 10 lbs.
C25708—Your Cost..... \$3.95

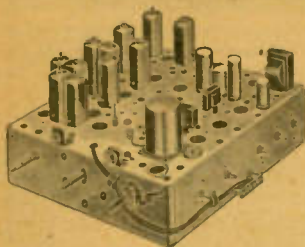
MODEL 46X24 (not illustrated). A two tone walnut cabinet with flame grained panel. 9 $\frac{1}{4}$ " high, 16" wide, 7" deep. Dial opening 4" wide, 4 $\frac{1}{2}$ " high. Speaker grille opening same size. Will mount a 6" speaker and accommodate a chassis up to 15x5". Push button opening 3 $\frac{1}{2}$ "x $\frac{1}{2}$ " high. Shpg. wt. 7 lbs.
C25709—Your Cost..... \$3.95

|| KEEP BUYING MORE AND MORE WAR BONDS AND STAMPS ||



SPECIAL VALUES *Quantities Limited*

RCA TELEVISION CHASSIS



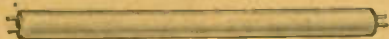
A remarkable buy in one of the finest television receiver chassis ever manufactured! Complete sound and picture channels for 5 bands, 44-50 MC, 50-56 MC, 66-72 MC, 78-84 MC and 84-90 MC. Overall video band width, 4 MC. Scanning is interlaced, 441 lines. Of course we removed the tubes and sent them to 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, seatite 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.

C22263—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 Dimen.	Watts	Each	Lots of Each	Lots of Each
C25533	C25534	T5 9x	6	\$0.70	8	\$0.56 24 \$0.53
C25527	C25528	T5 12x	8	.80	7	.64 24 .60
C25496	C25497	T8 18x	15	.57	9	.46 24 .43
C25525	C25526	T12 18x 1/2	15	.70	8	.56 24 .53
C25529	C25530	T12 15x 1/2	14	.70	8	.56 24 .53
C25535	C25536	T12 24x 1/2	20	.70	8	.56 24 .53
C25537	C25538	T8 36x 1/2	30	.70	8	.56 24 .53
C25539	C25540	T12 48x 1/2	40	.95	6	.76 24 .71
C25531	C25532	T17* 60x 2 1/8	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-watts—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.

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 1/4". Shpg. wt. 1 lb.

C14251—Leach No. 2129BF—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 93c**

(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..... \$5.9c

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 1/2" from rear of motor. Operates on 115 volts 60 cycle AC at 5 revolutions per minute. 6 in. leads. 2 1/2x2x1 1/4". Compact, powerful motors. Shpg. wt. 1 lb.



C14706—Right Hand Rotation.

C14703—Left Hand Rotation.

Your Cost, Ea. \$1.29
Either Type.....

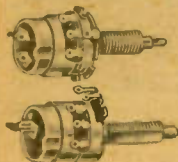
JANETTE ROTARY CONVERTER



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

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 1/16" auto knobs. No knobs are supplied with this kit. Shpg. wt. 1 lb. **C12957—Your Cost 59c 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..... 79c**



500,000 OHM MIDGET VOLUME CONTROL with SPST Switch. Split

Knurl Shaft 1" long. **C8130—Your Cost..... 43c**

500,000 OHM VOLUME CONTROL. Same as above but with Split Knurl Shaft 1 1/4" long, with SPST Switch. **C8132—Your Cost..... 43c**

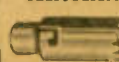
3 MEGOHM VOLUME CONTROL TAPPED at 1 Megohm 1/2" shaft 2" long. Less Switch. **C8135—Your Cost..... 37c**

375,000 OHM VOLUME CONTROL with 1/4" Round Shaft 1 1/2" Long. Less Switch. **C8136—Your Cost..... 34c**

DUAL VOLUME CONTROL 2 MEG FRONT 40 M Rear. Can be used in Bass-Treble Boost Tone Circuits. 1/2" round shaft, 1/2" long from bushing. **C8137—Your Cost..... 47c**



Antenna Connector



Two-piece metal container, fibre inside insulation. 12 for..... 65c
C16714—Your Cost..... 6c



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. **\$1.03**
C14009—Your Cost.

SIGNAL Key With Switch

A telegraph key with a switch to close the contacts. Polished lacquered brass base. Shpg. wt. 1 lb. **\$2.00**
C14017—Your Cost
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. **\$15.95**
C14057—Your Cost.



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 1/2" high. Shpg. wt. 3 lbs. **\$3.50**
C14059—Your Cost Each.

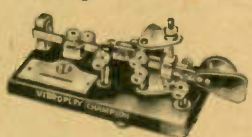
SIGNAL Model R-68 Code Practice Set



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. **\$2.35**
C14001—Your Cost

TYPE R-60 BUZZER ONLY: Fully adjustable. Has standard resistance of 2 ohms. Black crystal lacquer finish. **73¢**
C14006—Your Cost.

"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. **\$9.95**
C14058—Each.

SPEED-X KEYS and ACCESSORIES

Model 321 Senior Key



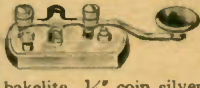
Heavy duty hand key with 1/4" pure silver contacts. Navy type knob. Die cast heavily plated base and key arm. Adjustable steel bearings; concealed brass connector strip. Shpg. wt. 2 lbs. **\$2.35**
C14039—Your Cost.

Model 301 Key



General purpose key with molded black bakelite base. Well insulated. Adjustable bearings. 1/4" silver contacts. **\$1.26**
C14040—Each.....
As above, with switch. **\$1.47**
C14044—Your Cost.....

Model 300 Practice Key



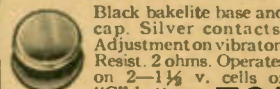
Has two adjustments. Base of molded bakelite. 1/4" coin silver contacts. Machined parts in bright finish. Wt. 1 lb. **88¢**
C14041—Your Cost.....
Mod. 305. As above, with metal base. **\$1.03**
C14053—Your Cost.....

Model 310 Manual Key



Heavy die-cast metal base finished in black wrinkle enamel. Smooth adjustable bearings. 1/4" pure silver contacts. Low cost key for light duty work. Shpg. wt. 1 lb. **\$1.47**
C14051—Your Cost.
Like above, but with switch. **\$1.76**
C14052—Your Cost.....

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. **73¢**
C14021—Your Cost.....
C19840—1 1/2 V. cells. Ea.....4 1/2¢
C20181—"C" Batt. Ea.....30¢

Model 515 Hi-Speed Key



Sturdy, heavy duty high speed key for communications work. Has two sets of 1/4" silver contacts. Metal parts heavily plated; base has black wrinkle finish, is 3x6 1/2 x 1/2". High quality construction. Less switch, cord and plug. Shpg. wt. 4 lbs. **\$5.44**
C14033—Each.....
Cord and plug for above. **59¢**
C14054—Your Cost.....

Code Practice Set



Model 450
Comprises a constant frequency adjustable buzzer and a standard hand key with 1/4" silver contacts, mounted on a brown bakelite base 6x4". Metal parts plated. Code card included. Uses 2-1 1/2 volt cells (not included). **\$1.62**
C14027—Single Set.
Your Cost.....
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. **\$12.50**
C14022—Each
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 1/2 x 4 1/2 x 6". Shipped Postpaid in U. S. A. **\$17.50**
C14060—Each

Bakelite Key Knobs

Brilliant black bakelite. Navy knob (illustrated) with disc. **18¢**
C14037—Each
Flat paddle (not illustrated) as used on most speed keys. **18¢**
C14038—Your Cost.....

SPEED-X Practice Key

Standard spring adjustable hand key with 1/4" pure silver contacts mounted on a moulded brown bakelite base 2 1/2" x 5" with circuit closing switch and terminal connections on base. All machine parts nickel plated. Wt. 8 oz. **\$1.47**
C14071—Your Cost, Each



SPEED-X Professional Semi-Auto. Key

A High-Speed chromium plated heavy steel base key with four non-slip rubber feet. 6 1/4" x 3 1/2" x 1 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. **\$10.29**
C14028—Your Cost, Each

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. **\$11.76**
C14086—Your Cost, Each



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. x 4 1/2" H. x 4" D. Wt. 2 1/2 lbs. **\$8.82**
C14076—Complete with tube—Your Cost.

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. **\$8.82**
C14074—Your Cost

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. **\$8.82**
C21895—Your Cost



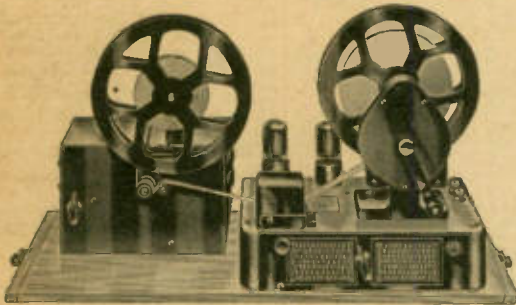
McELROY RADIO

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 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.

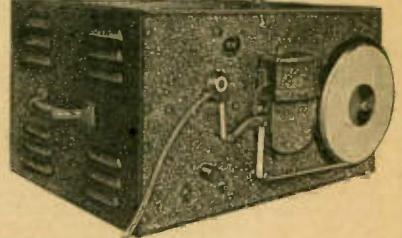
The complete unit consists of Electronic Keying Unit, with audio oscillator and amplifier; a dependable variable speed tape puller; and a well built hand rewind. Uses one 930 photocell, one T7 exciter lamp, and four 117N7GT tubes. Keyer Chassis measures 10 1/2" x 11 1/2" x 1 1/2". Tape Puller measures 8 1/2" x 5 1/4" x 4 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 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 sturdy 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 louvred metal cabinet 11"x10"x10". 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 3/8" steel cut gears with 1/8" oilite bearing mounted steel shafts.

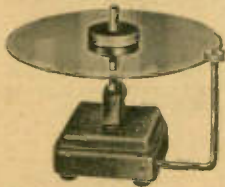
Sturdy, screw mount base. Comes complete with one 400 foot 16 mm. reel. Shpg. wt. 3 lbs.

C14088—Your Cost.....\$9.00

Additional 400 ft. reel.

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

HIGGINS' Drawing Ink

Ideal for code tapes for use with Electronic Keyer G-813-A. Opaque and waterproof.

C15318—1/2 pt. \$2.00

Your Cost.....

Telegraph Blue Ink

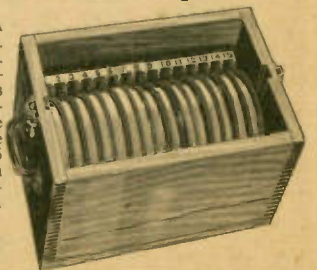
One of these concentrated ink capsules makes a quart of ink. For sight read tapes. Cannot be used with Electronic Keyer.

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 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.

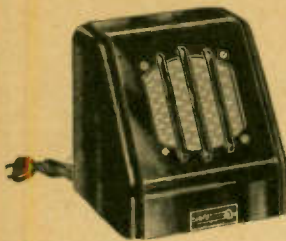
C14072—Per Package.....\$7.50

CODE APPARATUS



BY THE WORLD'S CHAMPION RADIO TELEGRAPHER

Model MS-700 Master Oscillatone



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. **\$11.85**

C14085—Your Cost

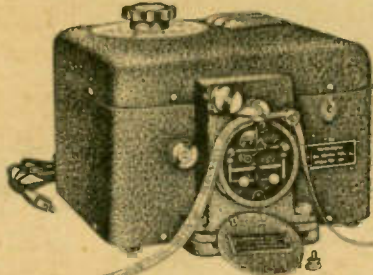
MS 700-P Oscillatone Code Practice Set

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 Communica-
tion, 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 excite 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 SIFT contacts for keying. This prevents overload on auto head contacts and insures trouble-free operation with a minimum of attention.

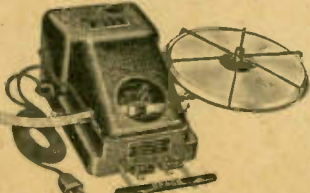
It is advisable not to use a tape puller with the XTR-442 to eliminate drag on the tape. Tape should be fed into a basket and then rewound on a hand rewind (see listing opposite page) to prolong the usable life of the tape. Tape is driven by a heavy duty AC-DC motor, perfectly stabilized by a dynamic 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. **\$600.00**

Duplicate tapes made from your master rolls. C14075—400-ft. duplicate, Your Cost \$4.50

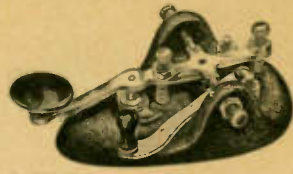
PRF-443 Wheatstone Code Tape Perforator

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. **\$2.25**

C14092—Your Cost

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 1/2"x6 1/4"x3 1/4".



C14087—Wt. 6 lbs. Your Cost **\$11.85**

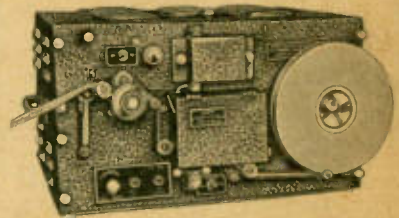
Model CP 800 DE LUXE Speed Key

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



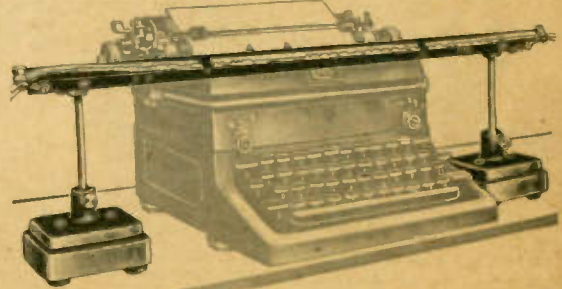
Unlike recorders which require overcoming inertia of a mechanical spring action, this High Speed Recorder utilizes a constantly energized exciter coil. Change in polarity occurs when a signal impulse is transmitted to it, and coil and stylus move without resistance. At end of signal impulse polarity 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**

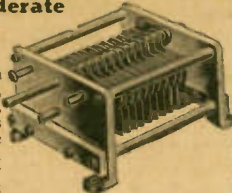
EXPERT EXPEDITING ON GOVERNMENT AND INDUSTRIAL ORDERS



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; Isolantite insulation; 3-hole panel mounting with bolts and spacers; flanged legs for base mounting; $\frac{1}{4}$ " shafts, $1\frac{1}{2}$ " long; overall size: $3\frac{1}{2}$ " wide, $2\frac{3}{4}$ " high (except TCN).



Letter D after type denotes split stator.

Stock No.	Nat'l No. & Cap.	No. Mfd.	No. Peak Plates	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.

Ultra Midgets

"UM" Condensers

Especially designed for ultra-high frequency circuits. Mounted on isolantite base $1x2\frac{1}{2}$ "; 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"	\$0.84
C14337	UM-35	35	.017"	.99
C14338	UM-50	50	.017"	1.05
C14339	UM-75	75	.017"	1.14
C14319	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 mmfd. Isolantite insulation. Shpg. wt. 6 oz. **C14252—Your Cost Each..... 30¢**



Midget Receiving Condensers



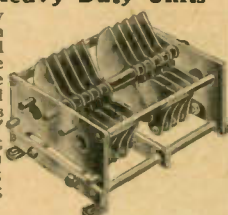
"ST" types 180 straight-line wavelength plates; "SE" types 270° rotation straight-line frequency plates. $\frac{1}{4}$ " shafts.

No.	Type	Mmfd.	Plates	Each
C14300	STHS15	15	3	\$0.90
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.

"TMA" Heavy Duty Units

Plates of heavy aluminum with buffed rounded edges. Isolantite insulation; 4-hole bolt-spacer panel mtg.; $\frac{1}{4}$ " shafts $1\frac{1}{2}$ " long; $4\frac{1}{2}$ " wide, $3\frac{3}{4}$ " high; type A (last letter) have .171" gap; type B, .265"; type C, .359".

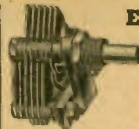


No.	Type & Mfd.	Plates	Volts	Each
C14369	TMA-100B	23	9000	\$8.10
C14328	TMA-50A	7	6000	3.90
C14329	TMA-100A	15	6000	6.00
C14330	TMA-150A	21	6000	7.20
C14332	TMA-50DA*	8-8	6000	6.60
C14333	TMA-100DA*	14-14	6000	10.50
C14544	TMA-150B	35	9000	10.20
C14545	TMA-60DB*	15-15	9000	11.10
C14546	TMA-50C	13	12000	4.80
C14548	TMA-40DC*	11-11	12000	8.10

*Split stator units.

Experimenters' Midget Condensers

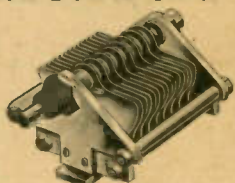
A low-priced unit for receivers, transmitters and experimental work. Non-corrosive brass plates. Bakelite insulation. $\frac{1}{4}$ " shafts.



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; Isolantite insulation; $\frac{1}{4}$ " shafts, $1\frac{1}{2}$ " 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: $1\frac{3}{4}x2\frac{1}{2}x2\frac{3}{4}$ ". Shpg. wt. 3 lbs.



Stock No.	Nat'l No. & Cap.	No. Mfd.	No. Peak 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.

"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)	B (Extender)	C
Sizes Fig.	Stock No.	
Inches No.	Insul.	Brass
$\frac{1}{4}x\frac{3}{8}$ A	C15014	C15000
$\frac{3}{8}x\frac{1}{2}$ A	C15006	C15001
$\frac{1}{2}x\frac{3}{4}$ A	C15008	C15002
$\frac{3}{4}x1$ B	C15017	C15004
$1x\frac{1}{2}$ B	C15018	C15005
$1\frac{1}{2}x1$ B	C15009	C15003

Your Cost, Any Type..... 12c
10 For..... \$1.08

Split Bushing
Type C. For increasing shaft diam. from $\frac{1}{2}$ " to $\frac{3}{4}$ ". Brass, $\frac{1}{2}$ " long. **C9730—Your Cost Each..... 6c**
10 For..... \$4c

Flexible Shaft Couplings

Isolantite insulation with short length of flexible shafting. Will drive shaft at any angle up to 90°. Takes $\frac{1}{4}$ " shafts.

Shpg. wt. each, 8 oz.

C14530—TX-12, 4%..... **84¢**
Your Cost Each..... 84¢

C14529—TX-13, 7%..... **99¢**
Your Cost Each..... 99¢

C14531—TX-11. Without Isolantite insulation. 4%..... **42¢**
Your Cost Each..... 42¢

Solid $\frac{1}{4}$ " Shaft Couplings: Solid Isolantite.

C14501—TX-1, 1 $\frac{1}{4}$ ". Ea. **66¢**
Your Cost Each..... 66¢

C14502—TX-2, 3 $\frac{1}{4}$ ". **75¢**
Your Cost Each..... 75¢

NATIONAL Shaft Couplings

All take $\frac{1}{4}$ " shafts.

TX-8: Isolantite ins. **C8461—Each..... 51¢**

TX-9: Steatite insulation. **C8470—Ea. 75¢**

TX-10: Canvas bakelite insulation. **C8471—Each..... 36c**

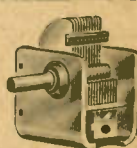
Panel Bearing Assembly

Use with rigid or flexible coupling when mounting. For up to $\frac{3}{8}$ " panels.

No.	Size	Each
C9563	3" long. $\frac{1}{4}$ " Shaft.....	22c
C9562	6" long. $\frac{1}{4}$ " 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. $\frac{1}{4}$ " shafts, $1\frac{1}{2}x1\frac{1}{2}$ " deep. Less trimmers. Wt. 1 lb.

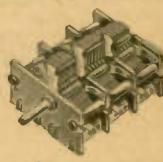


No.	Mmfd.	Each	No.	Mmfd.	Each	No.	Mmfd.	Each
C10189*	15		C10193*	75		C10197	365	
C10190*	25		C10194	100	79¢	C10198	410	85¢
C10191*	35	79¢	C10195	150		C10199	450	
C10192*	50		C10196	250.....	85c			

*—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 $\frac{1}{4}$ " dia., $1\frac{1}{2}$ " long. Each with split bushing for $\frac{1}{4}$ " dials. All $1\frac{1}{2}$ " high, $3\frac{3}{4}$ " wide. Shpg. wt. 2 lbs. All 365 mmfd. per section except cut sections on 456 Kc Super types.



No.	Each	Gangs	Length	Rotation	456 Kc Super No.	Each
C9710	\$1.10	1	1 $\frac{1}{2}$ "	counter-clock		
C9711	1.39	2	2 $\frac{1}{2}$ "	counter-clock	C9798	\$1.85
C9712	2.05	3	3 $\frac{1}{2}$ "	counter-clock	C9799	2.60
C9720	1.10	1	1 $\frac{1}{2}$ "	clockwise		
C9721	1.39	2	2 $\frac{1}{2}$ "	clockwise	C9796	1.45
C9722	2.05	3	3 $\frac{1}{2}$ "	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. $\frac{1}{4}$ " shaft plated to resist corrosion. With mounting nut. Shpg. wt. 1 lb.

C9728	Capacity 3.5 to 25 mmfd. 4 plates.	Each.....	76c
C9731	Capacity 6 to 80 mmfd. 11 plates.	Each.....	88c
C9727	Capacity 14 to 100 mmfd. 14 plates.	Each.....	94c
C9714	Capacity 7 to 14 mmfd. 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; 1/8" shaft, can be ganged; silver plated Beryllium wire; 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.

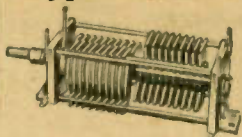
Type APC Aid-Padding Condensers



Isolantite base soldered brass plates; 0.15" air-gap; only 1 1/4" 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

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. 1/8" shafts; all plates semi-circular. 1 1/4" square Isolantite end plates. All rear bearings are single ball thrust.

Stock No.	Hamm'd No.	Per Section Mmfd.	No. Plates	Air Gap	Length Ins.	Your Cost
C7225	HFB100C	100	23	.050"	4 3/8"	\$4.98
C7226	HFB100E	100	29	.070"	6 1/16"	5.40
C7227	HFB100E	100	29	.070"	3 1/8"	3.48
C7228	HFB100F	100	39	.100"	5 7/8"	4.14
C7229	HFAD100A	100	19	.020"	2 3/8"	3.18
C7230	HFAD140A	140	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 1/8"	1.56
C7234	HFA140A	140	27	.020"	1 3/8"	1.80
C7235	HFA10B	10	3	.030"	1 3/8"	1.20
C7236	HFA15B	15	5	.030"	7/8"	1.26
C7237	HFA25B	25	7	.030"	1 1/8"	1.32
C7238	HFA50B	50	14	.030"	1 3/8"	1.44
C7239	HFA15E	15	9	.070"	1 3/8"	1.32
C7240	HFA30E*	30	17	.070"	2 1/8"	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 3/8"	8.88
C9043	TC-110-H	115	23	.171"	5 3/8"	5.40
C9035	TC-90-K	95	11	.084"	2 1/8"	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 3/8"	5.88
C8934	TCD-80-L	90	9	.070"	3 3/8"	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 3/16" behind panel.

Entire condenser built on a strong Isolantite base.

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.

No.	Type	Mmfd.	Each
C8490*	MCD35MX	31	\$2.88
C8528†	MCD35SX	31	2.88

*Midline. †Semi-Circular plates.

"HF" Micro Condensers

Single 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

"HF" Dual Units

Specs. are given per section.

No.	Mmfd.	Plates	Each
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 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. Alsimag sta or 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 1/8"	\$2.15
C10622	100	.051"	2 3/8"	2.32
C10623	145	.051"	3 3/8"	2.73
C10624	250	.051"	4 3/8"	3.38
C10625	25	.078"	2 3/8"	2.11
C10626	55	.078"	3"	2.47
C10627	110	.078"	4 3/8"	3.00
C10628	20	.144"	3"	2.32
C10629	55	.144"	4 3/8"	3.00
C10630	105	.144"	7 1/8"	4.00
C10631	18	.175"	3 3/8"	2.59
C10632	55	.175"	5 3/8"	3.85
C10633	100	.175"	9 3/8"	5.11

6L6 Neutralizing Condenser



Range 1 to 9 mmfd. For tubes like 6L6, 6V6, 807, RK49, RK39, etc. Shpg. wt. 1 lb. C9569—Your Cost \$8.8¢ Each.

BUD CONDENSERS



Tiny-Mite Condensers

Designed for u.f. circuits. Extremely compact. Have rigid construction, close fitting bearings, excellent Alsimag 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 1/2".

Single-Gang Condensers				2-Gang Condensers			
Stock No.	Mmfd.	Plates	Each	Capacities are per section.			
C9539	3-15	5	\$0.76	No.	Mmfd.	Plates	Each
C9540	4-25	9	.88	C9512	3-15	5	\$1.71
C9541	5-35	13	.94	C9513	4-25	9	1.85
C9542	6-50	19	1.00	C9514	6-50	19	2.00
C9543	9-100	37	1.23	C9515	9-100	37	2.26
C9545*	4-10	7	.82	C9516*	4-10	7	1.62
C9546*	5-15	11	1.00	C9517*	5-15	11	1.76
C9547*	5.5-25	17	1.09	C9518*	5.5-25	17	1.91
C9548*	6-35	21	1.29	C9519*	6-35	21	2.06

*—Double spaced units.

*—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 tuned circuits, etc. Fit standard 1 1/2" dia. forms. Screwdriver or hex wrench adjustment. Stock Mmfd. L't'h. B'h'd. Your Cost

No.	Range	Panel	Your Cost
C10088	3-15	7/8"	76c
C10089	4-25	1 1/8"	76c
C10090	6-50	1 3/8"	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'h'd Panel	Your Cost
C8394	4-15	1 1/8"	\$1.00
C8395	6-35	1 3/8"	1.09
C8396	7-50	1 1/2"	1.21
C8397	8-75	1 3/4"	1.35
C8398	9-100	1 7/8"	1.31
C8399	10-150	2 1/8"	1.62

Double-Spaced X'mitting Midgets



Hard drawn brass plates and rods electro-soldered and heavily cadmium plated. Alsimag 196 insulation. Double spacing 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.

No.	Mmfd.	Gap	Plates	Each
C10832	6-20*	.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 $\frac{1}{2}$ " shafts. Tuning controls that will add to the appearance of

X-mixing and electronic equipment. Wt. 8 oz.

- C14641—3 $\frac{1}{2}$ " Wheel and Pointer with 180° scale. Each... \$1.23
 - C14642—2 $\frac{1}{2}$ " Wheel and Pointer with 180° scale. Each... \$1.06
 - C14643—1 $\frac{1}{2}$ " Wheel and Pointer With 180° scale. Each... \$1.69
 - C14644—1 $\frac{1}{4}$ " Wheel and Pointer with 180° scale. Each... \$0.76
 - C14645—1 $\frac{1}{8}$ " Wheel and Pointer with 270° scale for gain control Your Cost Each... \$0.82
- HAND WHEELS** with pointer only, less scale.
- C14646—3 $\frac{1}{2}$ " Your Cost... 94c
 - C14647—2 $\frac{1}{2}$ " Your Cost... 82c
 - C14648—1 $\frac{1}{2}$ " Your Cost... 65c
 - C14649—1 $\frac{1}{4}$ " Your Cost... 53c

JOHNSON Shaft Couplings



(A) & (B) Ultra-sterite insulated units. Flexibility is obtained by cadmium plated phosphor bronze spring. (C) A solid insulated Ultra-sterite unit. Long leakage path and accurate alignment. (D) Cadmium plated brass compression unit.

Stk. No.	Shaft	Diam.	Ea.
C14313*	1 $\frac{1}{2}$ "	1 $\frac{1}{2}$ "	47c
C14314*	2 $\frac{1}{2}$ "	2 $\frac{1}{2}$ "	82c
C14315*	2 $\frac{1}{2}$ "	2 $\frac{1}{2}$ "	82c
C14316*	1 $\frac{1}{2}$ " and 3 $\frac{1}{2}$ "	2 $\frac{1}{2}$ "	82c
C14317†	1 $\frac{1}{2}$ "	1 $\frac{1}{2}$ "	44c
C14318†	1 $\frac{1}{2}$ "	1 $\frac{1}{2}$ "	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



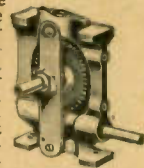
Chrome Silver dials with black etched numerals. Equipped with finger grip black knob. Only 1 $\frac{1}{2}$ " Diameter. Fit $\frac{1}{4}$ " shafts. Ranges

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 variable for condenser, 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 $\frac{1}{2}$ " diam., geared shaft $\frac{1}{4}$ " diam., couples to condenser by means of flexible coupling (not supplied). Excellent for transmitters and receivers. Shpg. wt. 2 lbs. C*900—Type 10.000 Your Cost Each... \$4.50

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 $\frac{1}{4}$ ". Wt. 1 lb. C*078—Your Cost... \$1.00

MILLEN Dial Lock



Can be used with above dial. Fits standard $\frac{1}{4}$ " bushing overall. Locks panel-mounted control in pre-set position. C*079—Your Cost... 45¢

Precision Vernier Dials



Have etched calibrations graduated from zero to 100. Large flanged knob has bushing for $\frac{1}{4}$ " knob-

Shafts.	Shpg. No.	Dia.	Rotation	Each
		4"	325°	\$1.62
		2 $\frac{1}{2}$ "	325°	1.23
		4"	180°	1.62
		2 $\frac{1}{2}$ "	180°	1.23

"VB" 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 driver 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 $\frac{1}{4}$ ". For $\frac{1}{4}$ " shafts. C14474—Wt. 2 lbs. Each... \$3.00

NATIONAL R & O Dials



Type R—1 $\frac{1}{2}$ " Dial. Etched nickel silver, used on many receivers. 180 degrees. Marked 0-10. For $\frac{1}{4}$ " Shaft. Shpg. Wt. 8 oz. C14568—Your Cost... 51c

Type O—3 $\frac{1}{2}$ " Dial. Nickel silver. Marked 0-100. 180° counter-clockwise. Large easy-to-grip knob. For $\frac{1}{4}$ " shaft. Shpg. Wt. 10 oz. C14567—Your Cost... 99c

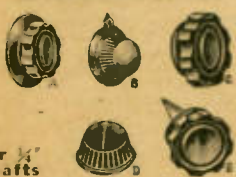
ICA Chrome Silver Dial Plates



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 $\frac{1}{2}$ "	67c
C14193	325	3 $\frac{1}{2}$ "	67c
C14194	180	4"	76c
C14195	325	4"	76c

X'MITTER Knobs



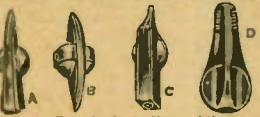
For $\frac{1}{4}$ " Shafts
Black bakelite (except* which are black lacquered wood).

No.	Type	Size	Each	10 For
C13022	A	1 $\frac{1}{2}$ " d.	23c	\$2.07
C13018	A*	1 $\frac{1}{2}$ " d.	12c	1.08
C13004	A	1 $\frac{1}{2}$ " d.	26c	2.34
C13017	A*	2 $\frac{1}{2}$ " d.	16c	1.44
C13011	A	2 $\frac{1}{2}$ " d.	32c	2.88
C13010	A	3" d.	38c	3.42
C9896	B	1 $\frac{1}{2}$ " d.	16c	1.44
C13014	C	1 $\frac{1}{2}$ " d.	17c	1.53
C13005	C	1 $\frac{1}{2}$ " d.	21c	1.89
C13013	C	1 $\frac{1}{2}$ " d.	27c	2.43
C13012	C	2 $\frac{1}{2}$ " d.	30c	2.70
C9885	D	1 $\frac{1}{2}$ " d.	10c	.90
C9886	D	1 $\frac{1}{2}$ " d.	10c	.90
C13007	E	1 $\frac{1}{2}$ " d.	34c	3.23
C13008	E	1 $\frac{1}{2}$ " d.	46c	4.37
C13009	E	2 $\frac{1}{2}$ " d.	54c	5.13

NOTE

In addition to the knobs listed on this page, we can supply any knobs of standard manufacture. Write us about your requirements.

Pointer and Lever Knobs



Polished Black bakelite. All have filled pointers except "D" (has ridged top). For $\frac{1}{4}$ " shafts.

No.	Lgth.	Ht.	Type	Each	10
C13027	2 $\frac{1}{2}$ "	1 $\frac{1}{2}$ "	(A)	7c	59c
C13028	2 $\frac{1}{2}$ "	1 $\frac{1}{2}$ "	(A)	6c	55c
C13029	2 $\frac{1}{2}$ "	1 $\frac{1}{2}$ "	(B)	9c	85c
C13055	2 $\frac{1}{2}$ "	1 $\frac{1}{2}$ "	(C)	7c	59c
C13052	2 $\frac{1}{2}$ "	1 $\frac{1}{2}$ "	(C)	8c	75c
C13053	1 $\frac{1}{2}$ "	1 $\frac{1}{2}$ "	(C)	5c	45c
C13024	1 $\frac{1}{2}$ "	1 $\frac{1}{2}$ "	(C)	7c	65c
C9650	1 $\frac{1}{2}$ "	1 $\frac{1}{2}$ "	(D)	7c	65c
C9651	2 $\frac{1}{2}$ "	1 $\frac{1}{2}$ "	(D)	8c	75c

*Red Bakelite.

NATIONAL HRK Bakelite Knob

Black bakelite for receivers and X'trs. 2 $\frac{1}{4}$ " diam. Fits $\frac{1}{4}$ " shafts. Wt. 4 oz. C14564—Your Cost... 57¢

Midget Knobs

Bakelite knobs for small sets. 1 $\frac{1}{8}$ " diam. Set screw. $\frac{1}{4}$ " shaft. Type B with-out pointer.

Type A		Type B	
Stock No.	Color	Stk. No.	Each
C9676	Walnut	C9680	7c
C9677	Ivory	C9681	7c
C9678	Red	C9682	6c
C9679	Black	C9683	6c

Radio Set Bakelite Knobs



Molded and polished walnut bakelite knobs for $\frac{1}{4}$ " shafts. All are set screw type except those marked with * which are push-button knobs.

Type	No.	Dia.	Each	10 For
C	C9736	1 $\frac{1}{2}$ "	5¢	40¢
C	C9737	1 $\frac{1}{2}$ "	7¢	65¢
D	C9660	1 $\frac{1}{2}$ "	8c	72c
E	C9657	1 $\frac{1}{2}$ "	7¢	65¢
F	C9655	1 $\frac{1}{2}$ "	7¢	65¢
G*	C9651	1 $\frac{1}{2}$ "	3¢	25¢
H*	C9696	1 $\frac{1}{2}$ "	3¢	25¢

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 knob, 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 $\frac{1}{2}$ " high by $\frac{1}{4}$ " wide.



- 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
 - 1st Buffer Plate
 - 50 Ohm 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. 7¢
C9898—Any Type, Each... 7¢
10 For (any selection)... 63c

Dial Plates

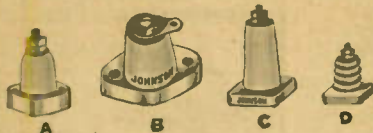
Fine etched metal black dial plates, calibrated 0-10 in 300°. 2 $\frac{1}{4}$ " high by 1 $\frac{1}{4}$ " wide, with four mounting holes.



Plain Tone Record Gain Microphone Specify marking desired. C9904—5 For \$1.08. Ea. 24¢

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	3/4"	6/32	5c
C16746	22	A	1"	8/32	6c
C16748	22J	B	1"	Jack	8c
C16745	20	A	1 1/4"	10/32	8c
C16744	20J	B	1 1/4"	Jack	11c
C17024	65	D	1 1/4"	10/32	15c
C17025	66	C	2 1/4"	1/4-20	24c
C17026	67	C	4 1/2"	1/4-20	35c

Strain Insulator

A 1 1/4" 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"	1/2"	1/2"	10/32 Jack	18c
C16737	40J	1 1/2"	1/2"	1/2"	Jack	21c
C16738	42	1 1/2"	1/2"	1/2"	10/32	14c
C16739	42J	1 1/2"	1/2"	1/2"	Jack	17c
C16740	44	1 1/2"	1/2"	1/2"	6/32	11c
C16741	45	1 1/2"	1 1/16"	1/2"	10/32	24c
C16742	45J	1 1/2"	1 1/16"	1/2"	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	Fig.	Ht.	Di.	Lth.	Your Cost
C17020	50	A	1 1/2"	1 1/2"	2"	12c
C17021	51	A	1 1/2"	1 1/2"	2 1/2"	21c
C17022	52	A	1 1/2"	1 1/2"	4"	29c
C17023*	55	B	1 1/2"	1 1/2"	1 1/2"	15c

*Made of Alsimag 196.

JOHNSON Feeder Spreaders

White glazed porcelain.

Cross section of all sizes is 1/4 x 1/2"	Length	Your Cost
C17027—2' Long	Each	9c
C17028—4' Long	Each	12c
C17029—6' Long	Each	15c

National Steatite Stand-Offs

Both 1 1/2" high, 1 1/8" 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	7c	
C14483	GS-5	1 1/2"	24c
C14484	GS-6	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
C1805	67007	3 1/2"	Med.	\$0.20
C1806	67017	7 1/2"	1 Kw.	.79
C1807	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. W. 2 lbs.

No.	Type	O.D.	Rod	Each
C6813	67104	2 1/2"	15"	\$1.76
C6814	67105	2 1/2"	20"	1.84
C6817	67115	6 1/2"	15"	2.80

PYREX Assembled Navy Type Insulators

Both types have flanges 8 3/4" in dia. with six 1/4" 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 1/4" center pin is 3/4" dia. with 16 threads per inch. Clear Pyrex bowls.

No. 67071 (left) has studs 1 1/4" long and in bottom flange three countersunk 1/4" holes on 7 3/4" circle.

C16815—Your Cost **\$16.00**
No. 67076 (right) with 1/4" thick template ring; 2 1/2" studs. \$16.80
C16819—Your Cost \$16.80

Isolatite Plug & Socket

For use with XR—16 coil forms. PB-16 Plug. C14614—27¢
XB-16 Socket C14615—33¢
Each

Glazed Porcelain Wall Insulator

For supporting wiring or apparatus. Glazed, ridged porcelain; 2 1/2" 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 1/4". Flashover value 22.5 and 58 kv. respectively (when dry). Shpg. wt. 2 lbs. 3 1/2". C16808—Each \$1.80
7" high. No. 67107. C16809—Each \$2.00

PYREX Airplane Insulators

High dielectric strength and low power loss. 2 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 1/2". Have hole for center rod.

C16815—No. 67009. Base 6 1/4" dia. 80c
C16816—No. 67037. Base 6 1/4" dia. 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 Insulatite Stand-Offs

Metal mounted top and bottom. Shaped for maximum efficiency. Ideal for r.f. choke cores.

No.	Type	Di.	Ht.	Each
C14479	GS-1	1/2"	1 1/2"	24c
C14480	GS-2	1/2"	2 1/2"	30c
C14481	GS-3	3/4"	2 1/2"	60c
C14482	GS-4	3/4"	4 1/2"	75c
C14475	GS-4A	6"	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 nicked brass hardware.

No.	Ht.	B. Dia.	Thread	Ea.
C17001	1 1/2"	1 1/2"	6-32	7c
C17002	1 1/2"	1 1/2"	8-32	9c
C17003	1 1/2"	1 1/2"	10-32	11c
C17004	2 1/2"	1 1/2"	1/4-20	18c
C16998	1 1/2"	1 1/2"	Jack*	12c
C16999	1 1/2"	1 1/2"	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	Di.	Lth.	Each
C8008	30001	1 x 1		15c
C8009	30002	1 x 2		21c
C8010	30003	1 x 2		55c
C8011	30004	1 x 4		65c

MILLEN Feed-Through Bushing
Small isolatite unit; lead shoulder for 1/4" hole. C7999—5 For **25¢**

Large Stand-off Insulator

Extra-heavy glazed porcelain. Ribbed body for increased surface. 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) 1/2" dia., 4 1/2" long. C14495—Each **54¢**

BIRNBACH X-mitter Lead-In Insulators

Each 2 1/4" 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		81c
C17040	15" Porcelain		\$1.12

BIRNBACH Hi-Voltage Feed-Through

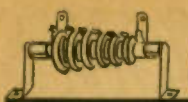
Has high dielectric and mechanical strength. Extra long leakage path. Bottom sleeve tapped. Height 1 1/2"; base dia. 2"; mtg. hole 1 1/4". Hdwe. 1/4-20. C16712—Each **32¢**

ICA Standoff Insulators

Made of white glazed insulux. C16730—1" High..... 7c
C16731—1 1/2" 9c
C16732—1 1/2" 11c

ICA FEED-THROUGH INSULATOR


C16733—1/2" High, require 1/4" Mtg. Hole..... 12c



CHOKES and COILS



HAMMARLUND
Heavy-Duty R.F. Choke



For hi-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 70ohms. 1 1/2" x 7/8". 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.
C10002—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. DC resistance 1.4 ohms.
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 mmdf.
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 mmdf. 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 1/2" diam., 1 1/2" high.
Type RFC85—Passes 60 ma. 85 millih., 215 ohms.
C8525—Your Cost \$1.80
Type RFC250—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. 1/4" 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. Hys. L. Dia.	Dimens. Your Cost
C10083	2 1/2	2.0	1 1/4 x 1 1/4" 15c
C10079	5	5.5	1 1/4 x 1 1/4" 15c
C10080	10 & 20	30	3/4 x 1 1/4" 47c
C10081	20 & 40	90	6 x 1 1/4" 71c
C10082	20 to 160	200	6 1/2 x 3/4" 97c

TRUTEST R.F. Chokes



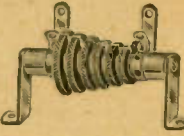
Four pie sections on Isolantite form. 2.5 mh., 150 ma. 50 ohms d.c. resistance distributed cap. 1 mmdf.
C10106—Each 15¢
C10107—Same but heavily impregnated. Each 19¢
C10109—2.1 mh., 250 ma. heavy duty choke. Ea. 23¢

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 mmdf. 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 mmdf.; 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. Link	Band	Mfd	Cap 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	.97
C10639	C10645		5M	18	.79

* 95 mmdf. for variable link coil.
† 21 mmdf. 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

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¢

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 170 to 270 meters with 140 mmdf. 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 for four 3-winding coils covering from 17 to 270 meters with 140 mmdf. 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 1/4" 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 1/2" 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 1/2" 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. **\$1.08**
Your Cost

C10041—Broadcast coils. Two coils, 120-540 meters. **95¢**
Your Cost

6-Prongs—3 Windings
C10042—Kit of 4 coils covering 9.5-200 meters. **\$1.62**
Your Cost

C10043—Broadcast coils. Two coils, 100-570 meters. **\$1.27**
Your Cost

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 Each 96¢

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 1/2" in diameter, 3 1/2" high, 3 1/4" winding space; eight ribs.

RIBBED FORMS
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 1/4" high. Bakelite.
C9630—4 Prong Each 26¢
C9631—5 Prong Each 26¢
C9632—6 Prong Each 29c

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¢
Any Above Type 21¢

TRUTEST
Ribbed Bakelite Forms

Coil forms only as used in kits at left. Of molded Bakelite 2 1/2" high, 1 1/2" in dia. With rimmed tops.

Stock No.	Prongs	Your Cost
C9988	4	Each 24¢
C9989	5	
C9990	6	

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 $1\frac{1}{2} \times 1\frac{1}{2} \times 3\frac{1}{2}$ " 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. Transformers

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 $2\frac{1}{2}$ inches high, $1\frac{1}{4}$ " 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 $\frac{1}{4}$ " ins.
C10301 R.F. $\frac{1}{4}$ " ins.
C10302 Antenna $\frac{1}{4}$ " ins.
C10303 R.F. $\frac{1}{4}$ " ins.
C10304 Antenna $1\frac{1}{8}$ " ins.
C10305 Antenna $1\frac{1}{8}$ " ins.
C10306 Antenna $1\frac{1}{8}$ " ins.
Any Type Above, Your Cost, Each... **21¢**

Dowel Type Primaries

For use inside of coil form. Drilled dowels $\frac{1}{2}$ inch long. R.F. inductance 3.5 MH.
C10201— $\frac{1}{4}$ " Outside Coil Diam.
C10202— $\frac{1}{2}$ " 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 Inductance Your No. in MH. Cost ea.
C10208 2.5 **24¢**
C10209 5.5
C10210 7.5
C10211 10.0 29¢
C10212 30.0 35¢
C10213 60.0 41¢

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 $1\frac{1}{2} \times 1\frac{1}{2}$ " long. Mounting centers $1\frac{1}{2}$ ".
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 $\frac{1}{2} \times \frac{1}{2}$ " 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 $\frac{1}{2} \times 2\frac{1}{2}$ " tube. Round cans with spade bolt mtg. on $1\frac{1}{2}$ " centers. $1\frac{1}{2} \times 2\frac{1}{2}$ ".
Shielded Type
C10317—Antenna **47¢** Each
C10318—R.F.
Unshielded Type
Univ. bracket; standoff mountg.
C10319—Antenna **41¢** Each
C10320—R.F.

"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—R.F. }
C10009—Oscillator }
Shielded Coils
As above but with Black crackle cans $1\frac{1}{2}$ " square, by $2\frac{1}{2}$ " high.
C10129—Antenna } Each
C10121—R.F. } **\$1.29**
C10123—Oscillator }

"Permeability Tuned" I.F.'s
Drift-proof transformers similar to the above but permeability tuned with adjustable iron cores. $1\frac{1}{2} \times 1\frac{1}{2} \times 3\frac{1}{2}$ ".
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; $1\frac{1}{2}$ " square by $2\frac{1}{2}$ " 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	} 65¢
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 $1\frac{1}{2}$ " H, $1\frac{1}{2}$ " D. Used with I.F. x'fms. and r.f. and antenna coils. Padders not supplied.

No. Shielded	Freq. K.C.	Padder Mmfd.	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 $\frac{1}{2}$ " diam., $1\frac{1}{2}$ " long. Shielded coils mounted in $1\frac{1}{2}$ " d. cans 2" high. Shpg. wt. 1 lb. each.
SHIELDED
C10005—Ant. Coil } **39¢**
C10006—R.F. Coil }
UNSHIELDED
C10003—Ant. Coil } **29¢**
C10004—R.F. Coil }

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 $2 \times 2 \times 4\frac{1}{2}$ ". Set at 456 Kc. Freq. range input to 540 Kc.
C10264—Input } Each
C10265—Interstage } **\$3.23**
C10266—Output }

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 $1\frac{1}{2}$ " square by $3\frac{1}{2}$ " high black crackle-finished cans. Leads are RMA-color-coded.
Input Output Set at Range
C9689 C9687 456 360-600
Your Cost Each... **\$1.29**

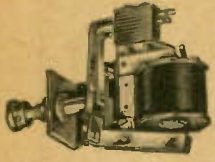
MEISSNER Manual

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. Alsmag 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

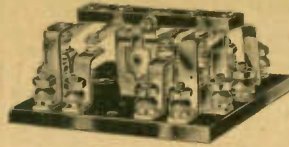
Silver contacts handle 1500 watts non-inductive or 1000 watts inductive at 110 volt AC. Clean make and break at potentials of up to 2000 volts. Insulated for 5000 volts. Coil operates on 1 1/2 to 4 volts DC or 5 to 16 volts AC.

- 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 3/8" square, 1/2" 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
C14105	\$1.57	2500—ohms	C14097	\$2.94
C14106	1.67	6 V. AC	C14098	3.14
C14107	1.57	6 V. DC	C14099	2.94
C14108	1.67	110 V. AC	C14121	3.14

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 1/4" x 2 1/4".

- 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 1/2" x 2 1/2". 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 3/4" x 1 1/4". 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**—1 1/2" x 4 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. 3/4" silver contact points rated in double break type at 20 amperes non-inductive load 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 3/4" long, 2 1/4" wide, 2" high. Shpg. wt. 2 lbs. each.

No.	Type	Contacts	Coil Vlt.s.	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. **Your Cost** **\$5.00**
C14177—2500 ohm coil. **Your Cost** **5.14**
C14178—5000 ohm coil. **Your Cost** **5.29**
C14179—10,000 ohm coil. **Your Cost** **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 1/8" H. AC coils require approx. 2 watts; DC approx. 1 1/2 watts.

No.	Type	Contacts	Coil Vlt.s.	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 1/4", 2 1/4", 1 1/4". **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	6x8x1/4"	\$0.59
C8072	6x8x3/8"	1.18
C8073	6x8x3/4"	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	1/2"	16c
C8064	3/8"	21c
C8065	5/16"	24c
C8066	1"	30c

For U.H.F. antenna, RF and oscillator coils. 1 1/2" long, 3/4" dia. Raised hole in center, for self tapping screw. Drills easily. **C11577**—**Your Cost** **9c**

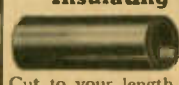
Polystyrene Rods



Molded from pure polystyrene. 6" and 12" lengths for machining special coil forms and low loss parts.

C8074	1/2" dia. x 6" L.	11c
C8075	3/8" dia. x 6" L.	13c
C8076	1/2" dia. x 6" L.	23c
C8067	1/2" 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. 1/4" thick wall, any size.

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, 1/4" Wall

C13129	3/8"	39c	3 3/8c
C13130	3/8"	39c	3 3/8c
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.

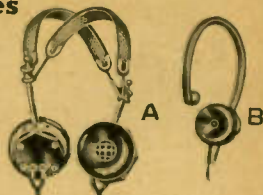
C13925—Your Cost, Per Set \$1.87

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. \$6.47

C13924—Your Cost \$6.47

Single Headset. Fig. B. Metallic headband with rubber end cushion. 5 ft. cord. \$3.47

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. \$4.41

C13923—Your Cost \$4.41

"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. 71c
Your Cost
C13897—1500-ohm single set. 84c
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. \$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. \$9.40

C13908—17,000 ohms imp., with army-navy type plug. 58.23
C13912—Same as C13908 but less plug. 8.23
C13938—Same as C13939 but less plug.

C13939—Same but 600 ohms impedance.



CANNON-BALL Headphone Kit



When installed, the user can enjoy head-phone 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.

2000 ohms imp. C13948—Per Set \$2.18

3000 ohms imp. C13949—Per Set \$2.33



Headphone Adapter

With 18" Cable. On fibre panel 2x2". For all sets.

C13942—Each 90c



Extension Cord Connector

Has 2 openings, at either end, for inserting two pin tips. Molded body.

C13051—Each 10c

10 For \$1.00



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. \$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 65c
10 Pairs for \$5.85



Phone and Speaker Cords



Cotton Braid Insulation

No.	Type	Feet	Each
C13955	Double*	5	27c
C13956	Double†	5	27c
C13957	Single†	5	14c

Rubber Phone Cord

Headphone cord. C13959—Double* 6-ft. 65c

Extension Cords—Tinsel Center

Double cotton braid insulation.

Stock No.	Feet	Your Cost
C13945†	10	25c
C13946†	20	36c
C13947†	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 1/2" x 1/2".

C14974—Black \$32c
C14971—Red. Each \$32c
10 For \$2.85

Metal Shell Type

Same with nickle-plated brass shell 3 1/2" x 1/2". 10 For \$4.75

C14970—Each \$53c

"Stubby" Metal Shell

As above but with short metal shell 2 1/4" overall. 10 For \$3.75

C14959—Each \$42c

Midget Bakelite Plug

Bakelite shell. 2 1/4" overall x 1/4" diameter. Solder lug connections.

C14960—Black \$32c
C14963—Red \$32c
Your Cost 10 For \$2.85

For a complete listing of all types of phone plugs please refer to pages 19, 26, 86.

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



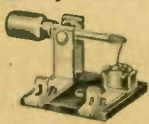
Dust-proof. An easily adjusted crystal unit equipped with a super-sensitive mineral and a cats whisker.

C13916—Each 23c

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 \$14c
10 For \$1.26



Fixed Crystal Detector in Bakelite Case

Super-sensitive point found by meters and fixed permanently. In Bakelite case with screw connections.

C13913—Your Cost 46c



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 6c



Super-Sensitive Crystal

Gets more stations and gets them louder. Each crystal is meter-tested after selection.

C13901—Each 12c
10 For \$1.08



Cat Whiskers

Finest wire—correct tension—holds that sensitive spot.

C13921—Envelope of 3. Your Cost 9c



All Headphones are currently available only on priority. For immediate delivery, please extend your highest priority rating with your order.

EXPERT EXPEDITING ON GOVERNMENT AND INDUSTRIAL ORDERS

PROGRESSIVE RADIO

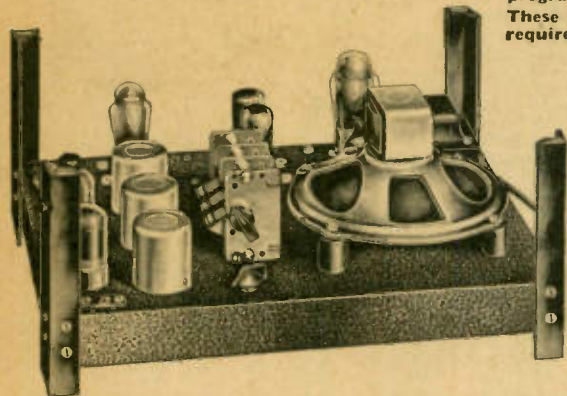


A progressive radio training program, from fundamentals through basic receiver and transmitter operation, may be designed around these kits. After construction of the complete series, matched individual units may be hooked up together for further instruction in modulation, frequency checks, antenna measurements, 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.



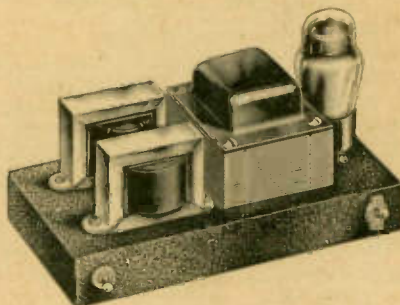
7 Tube TRF Demonstrator Kit

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

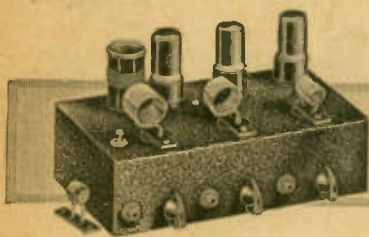
Designed as companion units to operate the Lafayette kits requiring external power source. Use of these power supplies reduces cost and unnecessary duplication of parts since only one or two supplies are needed to operate a complete series of kits. Tapped variable voltage divider provides intermediate 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**

LRC-30—350 V., at 140 Ma and 6.3 V., at 3A **\$11.00**

Shpg. wt. 15 lbs. **Your Cost**

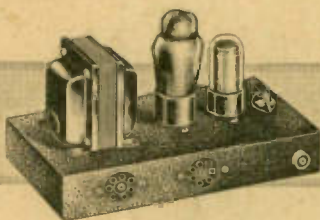


High Frequency Transmitter Kit

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.

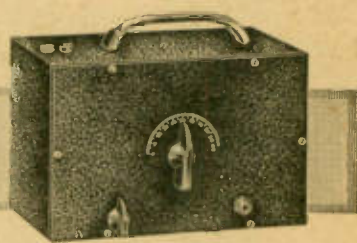
LRC-60—Your Cost **\$15.90**



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—Your Cost **\$7.25**

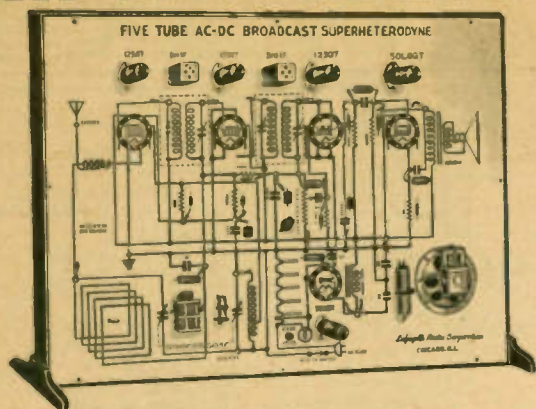


Signal Generator Kit

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—Your Cost **\$8.50**

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.

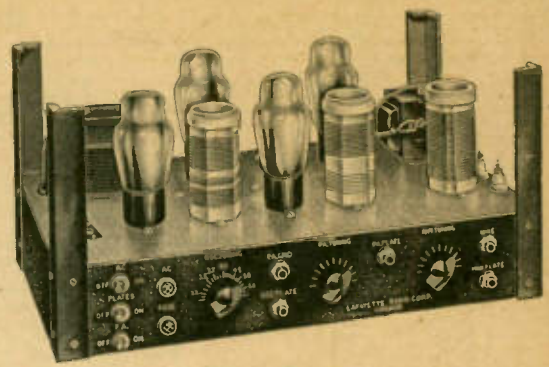
Consists of a 5 tube AC-DC superheterodyne, covering a frequency range of 540 to 1600 KC, with the following tube line-up: 12SA7 1st detector and oscillator; 12SK7 intermediate frequency amplifier; 12SQ7 2nd detector and 1st audio; 50L6 beam power output; 35Z5 rectifier.

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 1/4" high, 36 1/4" 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
Your Cost.....
LRC-81—As above, assembled and wired..... \$57.50



COMPLETE TRANSMITTER TRAINING KIT

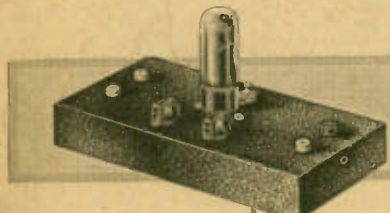
This excellent training kit consists of a 6L6G Hartley type oscillator, a 6L6G neutralized amplifier, a 6L6G modulator and 5Z3 rectifier. All coils are ready-wound on porcelain forms, using heavy copper wire to prevent easy damage. Completely punched and formed chassis of heavy enamelled steel. With 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.

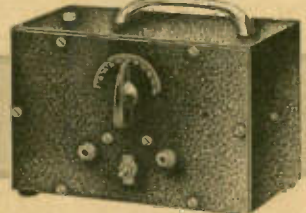
LRC-150—Your Cost..... \$29.00



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.

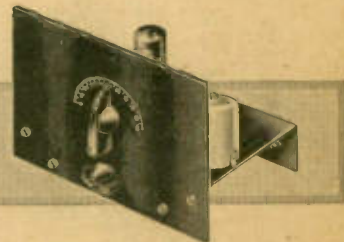
LRC-50— \$3.50
V. T. Voltmeter Kit.....



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"x7"; Chassis 7"x4 1/2"x1 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

GOVERNMENT AGENCIES - INDUSTRIALS - SCHOOLS

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.

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 18 1/2 x 9 1/4 x 8 1/2".

C21078—Model S-22R SKYRIDER MARINE for 110 V. a.c. or d.c. With tubes and speaker. Shpg. wt. 35 lbs. **\$74.50**

C14225—ELECTRONIC Converter Model 302 for 6-volt battery operation of Sky Rider Marine. Shpg. wt. 11 lbs. **Your Cost**..... \$19.40



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, 8 1/2" wide and 13 1/2" 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 18 1/2 x 9 3/4 x 8 1/2". 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.: 19 1/2" long, 9 1/2" high and 11 1/2" 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. **Your Cost**..... \$15.00



HALLICRAFTERS SX-28 Super Sky rider

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 band 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. and finished in Morocco. Cabinet dim.: 20 1/2 x 14 1/2 x 9 1/2" deep. Shpg. wt. 90 lbs.

\$179.50

YOUR COST..... \$15.00
10" PM Speaker in Table Model Cabinet. Shpg. wt. 17 lbs.
C21133—YOUR COST.....



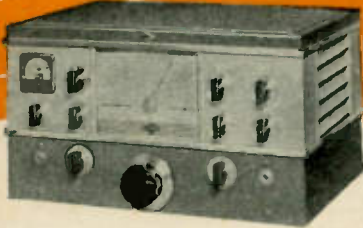
ECHOPHONE Model EC-1

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 wrinkle lacquer metal cabinet. Speaker is mounted in cabinet with opening at top. Size: 7 1/2 x 10 1/4 x 7 3/4". 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 det.-limiter; 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-275—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 special tuning ranges listed below. For 110 volts, 60 cycles 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 15-560 meters. With tubes, power supply, 10" dynamic speaker and crystal. Shpg. wt. 115 lbs.

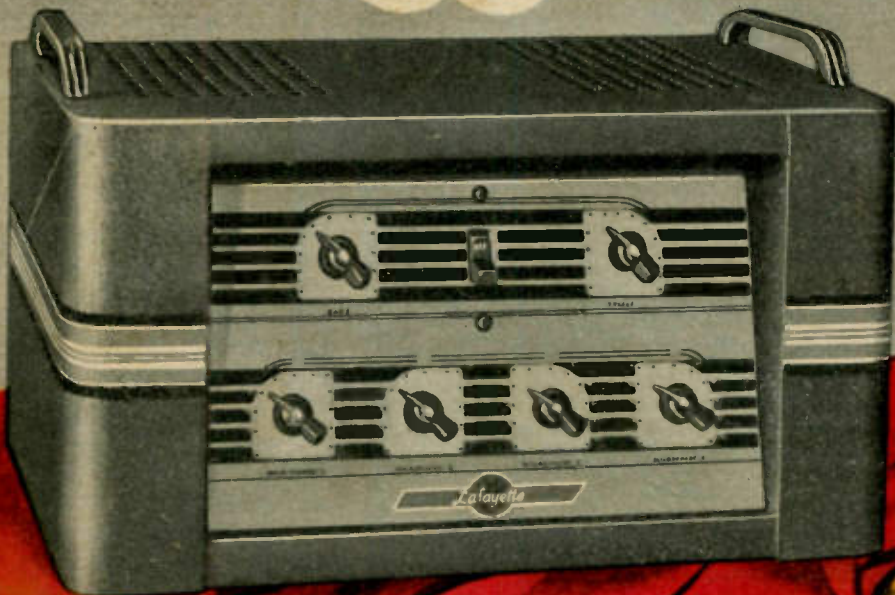
\$318.00

YOUR COST.....
C21043—Model SPR-210-X. Same as above, but for rack mounting. With dust cover. **YOUR COST**..... \$328.50

C21045—Model SP-210-SX. For 7.5-240 meters. With tubes, power supply, 10" dynamic speaker, crystal. **YOUR COST**.....

C21047—Model SPR-210-SX. As above, but for rack mounting, with dust cover. **YOUR COST**..... \$318.00
\$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 DeLuxe 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 .56.47**

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.