



**RADIO PARTS  
ELECTRONIC  
EQUIPMENT**

***CONCORD RADIO CORP.***

901 W. JACKSON BLVD. CHICAGO 7 ILL. ★ 265 PEACHTREE ST. ATLANTA 3 GA.

Formerly LAFAYETTE RADIO CORP

CATALOG  
No. 345

U. S. NAVY

# Certificate of Achievement

*Radar-Radio Industries of Chicago Inc.*

CONCORD RADIO CORPORATION  
FOR ITS PERSISTING EFFORTS IN ORGANIZING THE ELECTRONICS  
INDUSTRY TO SPEED THE PRODUCTION OF VITAL WAR MATERIAL  
FOR THE UNITED STATES NAVY



*James T. Stewart*  
SECRETARY OF THE NAVY

*24 August 1944*



## *An Old and Trusted Company*

### **WITH A NEW NAME**

How Concord Radio Corporation (formerly Lafayette Radio Corporation) is DELIVERING THE GOODS, from two mammoth shipping warehouses located in **CHICAGO AND ATLANTA**

Only an old, established company with vast resources and a large efficient organization can do the job CONCORD is doing today in serving the country-wide need for nationally known radio parts and electronic equipment.

At CONCORD you have IMMEDIATE access to vast stocks, to wide selections, to many parts difficult to obtain quickly or impossible to get from other sources. We have the resources to quickly secure large quantities of essential items. We have the seasoned staff to keep in touch with new developments. We have the technical men to consult with you on special requirements and to expedite important orders. Above all, we maintain a complete laboratory which subjects every item to the most rigid tests to be sure, before it is offered to you, that it meets the highest standards of quality.

#### **One Source for Everything You Need**

In a rapidly changing market it is important

that you keep constantly informed on what is new and what is available. CONCORD is the one national distributor of radio parts and electronic equipment who issues periodic Revised and Additional Listings of major standard lines . . . and is prepared to ship the items to you quickly, from CHICAGO or ATLANTA. For 23 years we have served Government, Industry, Institutions—and also many thousands of smaller buyers. This Buying Guide, containing many items available now, will show you that CONCORD is maintaining its reputation for America's most dependable source of radio parts and electronic equipment.

#### **If You Don't See What You Need—WRITE US**

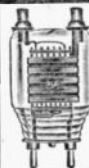
In this Buying Guide we have space for only part of our huge stocks. Lack of space has compelled us to omit more than 50 standard lines of radio parts and electronic equipment which we have in stock and can supply. Whatever you need—whether you see it listed or not, WRITE US. You will get immediate attention.







# 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; \* — ICA Rating.

Type No.	Watts Diss.	Description	Net Price	Type No.	Watts Diss.	Description	Net Price
203A	100	R, C, T	\$10.00	838	100	T, C, R	\$10.50
204A	250	R, C, T	85.00	841	15	R, A, T	3.25
211	100	T, R, C, A	10.00	842	12	A, T	3.25
800	35	T, R, C	10.00	843	15	T, R, A	1.65
801A	20	T, R, A, C	2.60	845	100	T, A	1.65
802	13*	P, R, O, A	3.50	849	400	T, C, A, R	120.00
803	125	P, R	25.00	850	100	S, R	37.50
804	50*	P, R	15.00	852	100	T, R	16.40
805	125	T, R, C	11.00	860	100	S, R	25.00
806	225*	T, R, C	22.00	865	15	S, R	7.95
807	30*	H, R, O	2.25	1602	15	T, A	2.75
808	80*	R, T, C	7.75	1608	25*	T, R, O, C	4.00
809	30*	T, R, C	2.50	1610	6	P, O	2.00
810	150*	T, C, R	13.50	1613	10	R, P, O	1.55
811	55*	T, C, R	3.50	1614	21	B, R, O	1.65
812	55*	T, C, R	3.50	1619	15	B, R, A, C, O	2.20
813	100	B, R	20.00	1623	30*	B, C, T, O	2.50
814	65*	B, R	17.50	1624	25	B, A, R	2.40
815	25*	B, R, A	4.50	1625	30*	O	2.25
826	60	T, O	19.00	1626	5	B	1.60
827R	800	B, R	135.00	1631	16	B	2.00
828	80*	B, R, A	17.50	1632	5.5	B	2.00
829B	40	B, R	19.50	1633	2.5	T, A	1.50
830B	60	T, C, R	10.00	1634	4	T, A	1.10
832A	15	R, B	13.00	8000	150*	T, R, O, C	13.50
833A	450*	T, R, C	76.50	8003	100	T, R, C, O	12.00
834	50	R, O, T	12.50	8005	85*	T, R, C, O	7.00
837	12	R, P, O	2.80	8012	40	T, R, O	14.00

Type	Screen	Net	CATHODE RAY TUBES	Type	Screen	Net
3AP1/906-P1	3"	\$13.50		907	5"	\$48.75
5BP1/1802-P1	5"	20.50		908	3"	16.50
902	2"	7.50		913	1"	4.00
904	5"	52.50		914	9"	85.00
905	5"	45.00				

## CATHODE RAY RECTIFIERS AND GAS TRIODES

Type	Description	Net	878	H. W. Hi-Vac. Rec.	\$11.00
1C21	Gas Triode	\$1.65	884	Gas Triode	1.45
2D21	Gas Tetrode	3.75	885	Gas Triode	1.50
2V3G	H. W. Hi-Vac. Rec.	1.30	2050	Gas Tetrode	1.35
2X2/879	H. W. Hi-Vac. Rec.	1.05	2051	Gas Tetrode	1.15

## HYTRON TUBES



Type No.	Purpose	Fil. Volts	Plate Volts	C.C.S. Diss.	Your Cost
HY24	Triode	2.0	180	20 W.	\$1.50
HY30Z	Triode#	6.3	850	90 30 W.	2.75
HY31Z	Twin-Triode#	6.0	500	150* 30 W.	3.50
HY40	Triode	7.5	1000	125 40 W.	3.75
HY40Z	Triode#	7.5	1000	125 40 W.	3.75
HY51A	Triode	7.5	1000	175 65 W.	4.75
HY51B	Triode	10.	1000	175 65 W.	4.75
HY51Z	Triode#	7.5	1000	175 65 W.	4.75
HY60	Beam	6.3	425	60 15 W.	2.75
HY61/807	Beam	6.3	600	120 25 W.	2.25
HY65	Beam	6.3	450	75 15 W.	3.00
HY67	Beam	6 or 12	1250	175 65 W.	7.75
HY69	Beam	6.0	600	100 40 W.	3.95
HY75	Triode	6.3	450	80 15 W.	3.95
HY114B	Triode	1.4	180	12 1.8	2.25
HY15A	Triode	6.3	300	20 3.5 W.	2.25
801A/801	Triode	7.5	600	70 20 W.	2.50
866A/866	M.V. Rect. †	2.5	3165	500†	1.50
866 Jr.	M.V. Rect. †	2.5	1575	250†	1.05
HY1231Z	Twin Triode#	6:12	500	150* 30 W.	4.50
HY1269	Beam	6:12	750	120 40 W.	4.50

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

## Heintz-Kaufman GAMMATRONS



Type No.	Watts Diss.	Plate Volts	Fil. Volts	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).

## HIGH VOLTAGE HALF-WAVE RECTIFIERS

Type	Des.	Peak Volts	Net	Type	Des.	Peak Volts	Net
217A	Hi-Vac	3,500	\$20.00	869B	Merc-Vap	20,000	\$100.00
217C	Hi-Vac	7,500	20.00	872A			
816	Merc-Vap	5,000	1.00	872	Merc-Vap	10,000	7.50
836	Hi-Vac	5,000	11.50	1616	Hi-Vac	5,500	5.75
866/866 A	Merc-Vap	10,000	1.50	8016	Hi-Vac	10,000	2.75

## EXPERIMENTAL TELEVISION TUBES

Type	Description	Net
3AP4/906-P4	3" Kinescope Elect.-Stat. (White Phos.)	\$13.75
5BP4/1802-P4	5" Kinescope Elect.-Stat. (White Phos.)	22.00
6AB7/1853	Amplifier Pentode (Single End)	1.08
6AC7/1852	Amplifier Pentode (Single End)	1.29
6AG7	Video Beam Power Amplifier	1.29
9AP4/1804-P4	9" Kinescope Elect.-Mag. (White Phos.)	50.00
12AP4/1803-P4	12" Kinescope Elect.-Mag. (White Phos.)	60.00
1947	2" Television Iconoscope	24.50
1851	Amplifier Pentode	2.10

## PHOTOTUBES

Type	Description	Vlts.	Net	Type	Description	Vlts.	Net
868	Gas Type	90	\$2.15	924	Gas, End Type	90	\$2.00
917	Vacuum Type	500	3.40	925	Vacuum Type	250	2.00
918	Gas, Hi-Sens.	90	2.60	926	Vac. Cart. Rh. Type	500	3.00
919	Vacuum Type	500	2.95	927	Gas Type (Miniat.)	90	2.45
920	Twin, Gas	90	2.95	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.	450	2.00
923	Gas, Hi-Sens.	90	1.25	931A	Multi. Type	200	14.50

## MISCELLANEOUS TYPES

Type	Description	Fil. Vlts.	Ea. Net
R.C.A.			
0A3/VR75	Voltage Regulator, 75 Volts/5-30 ma.		\$1.00
0C3/VR105	Voltage Regulator, 105 Volts/5-30 ma.		.90
0D3/VR150	Voltage Regulator, 150 Volts/5-30 ma.		.75
864	Amplifier Triode (low microphonic design)	1.1	1.00
954	Detector, Amplifier Pentode (Acorn Type)	6.3	4.50
955	Detector, Oscillator (Acorn Type)	6.3	2.85
956	Super-Control R.F. Amplifier Pentode (Acorn)	6.3	5.00
957	Detector, Amplifier, Oscillator (Acorn)	1.25	3.00
958A	A.F. Amplifier, Oscillator (Acorn)	1.25	6.95
959	Detector, Amplifier Pentode (Acorn)	1.25	5.00
981	Voltage Regulator (Glow discharge)		.50
1603	Triple-Grid Amplifier (Low Microphonic Type)	6.3	4.25
1609	Amplifier Pentode (Low Microphonic Type)	1.1	1.60
1612	Pentagrid Amplifier (Low Microphonic Type)	6.3	2.00
1620	Triple Grid Detector-Amplifier		2.50
1621	Power Amplifier Pentode	6.3	1.30
1622	Beam Power Amplifier	6.3	1.40
1629	Electron Ray Type		.85
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
9006	U. H. F. Midget Diode		1.15

## EIMAC POWER TUBES



New Type	Old Type	Watts Diss.	Your Cost Each
3-25A3	25T	25	\$6.00
3-25B3	24G	25	9.00
3-25C3	35T	50	6.00
3-35D3	35TG	50	6.75
3-75A2	75TL	75	9.00
3-75A3	75TH	75	9.00
3-100A2	100TL	100	13.50
3-100A4	100TH	100	13.50
3-250A2	250TL	250	24.50
3-250A4	250TH	250	24.50

## MERCURY VAPOR Rectifiers

KY21	(PEAK PLATE Current 3 Amps., Grid Control)	\$10.00
RX21	(PEAK Inverse Voltage 11,000)	7.50
	—Grid Control.	

## TAYLOR POWER TUBES



As factory representatives we are in a position to quote special prices to quantity users of TAYLOR high quality tubes. Contact us, stating quantity and types desired. The well known, heavy duty 866A/866; shown at left has ceramic insulation between plate cap and glass, assuring breakdown protection. Peak inverse voltage, 10,000 volts. Peak current 1 amp.

Type 866A/866—Fil.; 2.5V at 5A, net	\$1.50
Type 866-Jr. .... Lighter duty version of above	1.00

## GENERAL PURPOSE TUBES

Type	Watts Diss.	Description	Each
T-20	20	Gen. Purpose Triode, Metal Plate	\$ 2.25
TZ-20	20	Zero Bias Triode, Metal Plate	2.25
T-21	21	Superior Low-Power Beam Amplifier	1.95
T-40	40	Gen. Purpose Triode, Carbon Anode	3.50
TZ-40	40	Zero Bias Triode, For R.F. and Class "B" AF	3.50
T-55	55	Improved model, Max. freq. 120 MC.	6.00
T-125	125	Top plate and side grid caps, Accelerating fins	13.50
T-200	200	Similar to T-125, Super carbon anode	21.50
203-A	100	General Purpose Triode	10.00
203-Z	65	Zero Bias, Metal Plate, Class "B" Audio	8.00
211	100	General Purpose Triode	10.00
211-C	100	Dia.thermy Tube	12.50
803	125	Pentode RF Power Amplifier	25.00
822	200	Class "B" Audio, Carbon Anode	18.50



# 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*	435	*78.75 volts

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

Any Above Your Cost Each **47¢**

## 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—Your Cost Each **65¢**

## Special AC-DC Cords With Pilot Light Tap

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

## Special Line Cords For "Wireless" Players

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

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

Your Cost Each **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.



## Reliance Ballast Resistors

For use in all AC-DC midget 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, Your Cost Each **39¢**

Lots of 1 Ass't., Each **35¢**

No.	Type	No.	Type	No.	Type
C7037	140R8*		K55D	C7042	K80B(60-92A)
C6868	165R4*(X49)	C6870	3613	C7043	L42C(60-2037)
C6869	165R8*(50A2)		115.53	C7044	L42D
C6865	185R*(50X3)	C6871	K55C(5336)		L49B
C6866	185R4*(180KB)		K55D	C6876	2UR224
C6867	185R8*(50X3T)	C6872	3614		(69-2033)
C7039	BM49B		115.22	C6877	L49C(60-2037)
C7040	BM55B	C6873	K49B(115.41)	C6860	L55B
C7041	C9286	C6874	K49C*(16040)	C7045	L80B
C6860	(2VR215)		K49D	C6870	Y-TU-9
	(L55B)	C6875	3334		K55B
	(K42B)		(115.28)		

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

## New JFD Ai: Cooled Adjustable Ballast Kit



Handy new kit of adjustable AC-DC ballasts in air-cooled perforated metal tubes, designed to replace more than 2700 different types of ballast tubes. Contains 2 Type "A," 2 Type "B," and 1 Type "C" ballasts, with book giving complete instructions and replacement data. Shpg. wt. 2 lbs.

C6861—Your Cost **\$4.41**

## REPLACEMENT TUBES FOR ABOVE KIT

—Type "A" Ballast 8 Prong Octal  
—Type "B" Ballast 8 Prong Octal  
—Type "C" Ballast 4 Prong  
Your Cost, Any Type **88¢**



## AMPERIT 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. Fully equipped with starting resistor that saves tubes. All KL types are octal base. Asterisk indicates special unit.

Any Type Below, Your Cost Each **59¢**

Type	No.	Type	No.	Type	No.	Type	No.
C12239	3-40	C12221	250R*	C12245	KL-45J*	C12234	KL-75
C12238	4P-45	C12222	320R4*	C12237	KL-75H	C12222	L55B
C12224	165R4*	C12223	E157*	C12236	KL-50H	C12221	KL50E*
C12225	200R*	C12224	KL-25	C12229	KL-50S1	C12450	BKV51D1*
		C12225	KL-25H	C12230	KL-50S2	C12452	100-77*
		C12226	KL-45	C12223	KL-50S3		

## REPLACES ALL AC-DC BALLASTS

Type	Beginning With	Numbers	Ending With
KL-25	K, L, 1	10 to 36	A, B, C or D
KL-25H	K, L, 1	10 to 36	F, G or H
KL-45	K, L, 1	36 to 67	A, B, C or D
KL-50H1	K, L, 1	36 to 67	F, G or H
KL-75	BL	67 to 105	A, B, C or D
KL-75H1	K, L, 1	67 to 105	F, G or H
KL-50S1	K, L	40 to 100	S1
KL-50S2	K, L	40 to 100	S2
KL-50S3	K, L	40 to 100	S3
KL-50E	K, L	36 to 67	E

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

50A2	140R8	140	44	LX42B	KX49B	LX49C	KX55C
50B2	140R44	165	4	LX42C	KX49C	LX49D	LX55B
50X3T	140L4	165	8	LX42D	KX49D	KX55A	LX55C
140R4	140L8	165	44		LX49B	KX55B	LX55D

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

5B	50	50X	140R	165R	185R	KX42A
		KX	9A	KX55A		

## Amperit AC Voltage Regulator Tubes



Keeps input voltage to ant. Pro- tects conden- sators. For AC sets.

Exact units for popular sets. Stock No. Amp. No. For Use In Models

For 110 volt sets.

Specify type desired

C19100—Each **1.25**

C19101—Socket Only **15¢**

To Re- place	Ampe- rite	Use	To Re- place	Ampe- rite	Use	To Re- place	Ampe- rite	Use
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					

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

## JFD Exact Duplicate Ballast Tubes



The following listing of ballast tubes will service 98% of the sets requiring replacement ballast tubes. Each tube is an exact electrical and physical duplicate of the original ballast tube, and will fit right into the set without the necessity of cutting pins, etc., and eliminate the possibility of choosing the incorrect ballast with resultant burning out of tubes, etc.

Type	Type	Type
C03G	165R8	320R4
50A2	J200	320R8
50B2	200R	R3003G
50X300	200R4	C9266
100 37	200R8	W43357
100 38	250R	W45788
100 70	250R4	W46416
100 77	250R8	W46773
100 79	300R	W48670
100 81	300R4	K83747-6
165R	300R8	M86892-1
165R4	320R	

C10348—Any Above Type Specify Type. Each **59¢**

Type	Type	Type
BK 42B	K49H	K55D
BK 42C	L49B	L55B
BK 42D	L49C	L55C
K 42B	L49D	L55D
K 42D	M42B	M55B
L42B	M49B	62A
L42C	M49D	K67B
L42D	K52H	L67C
K 49B	55A	K80B
BK 49B	BK 55B	92A
BK 49C	BK 55C	21R212
BK 49D	BK 55D	2VR215
K49D	K55B	2UR224
K49D	K55C	

C10349—Any Above Type. Specify Type. Each **47¢**

## 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—Your Cost **\$1.32**

## 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:

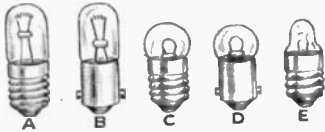
460 ohms	tapped at 24 ohms
180 ohms	tapped at 24 ohms
200 ohms	tapped at 24 ohms
200 ohms	tapped at 40 ohms
280 ohms	tapped at 40 ohms

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

C12627—Your Cost **\$1.32**

# 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.

Prices Below Include Federal Excise Tax.

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

Stock No.	Type	Bead Color	Volts	Amps.	Ea.	10 For	100 For
C12274	48	Pink	2.0	.06	15c	\$0.95	\$8.85
C12250	41	White	2.5	.50	9c	.58	5.32
C12254	40	Brown	6-8	.15	9c	.58	5.32
C12252	46	Blue	6-8	.25	9c	.58	5.32

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

Stock No.	Type	Bead Color	Volts	Amps.	Ea.	10 For	100 For
C12260	43	White	2.5	.06	9c	.58	5.32
C12259	49	Pink	2.0	.06	15c	.95	8.85
C12249	44	Blue	6-8	.25	9c	.58	5.32
C12284	47	Brown	6-8	.15	9c	.58	5.32

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

Stock No.	Type	Bead Color	Volts	Amps.	Ea.	10 For	100 For
C12273	50	White	6-8	.20	10c	.64	5.86

### Round Bulb, Miniature Bayonet Base (D)

Stock No.	Type	Bead Color	Volts	Amps.	Ea.	10 For	100 For
C12261	51	White	6-8	.20	7c	.41	3.82
C12285	55	White	6-8	.40	7c	.41	3.82

## FLASHLIGHT BULBS

G-3½ (C) is small round. G-4½ is large round. TL-3 (E) is lens bulb. P-3½ (not illustrated) is pre-focused miniature flange type bulb.

Stock No.	Type	Bead Color	Volts	Amps.	Ea.	10 For	100 For
C12200	13(G-3½)	Green	3.8	.30	9c	\$0.58	\$5.32
C12201	14(G-3½)	Blue	2.5	.30	9c	.58	5.32
C12202	605(G-4½)	Brown	6.0	.50	10c	.64	5.86
C12203	222(TL-3)	White	2.2	.25	9c	.58	5.32
C12204	112(TL-3)	Pink	1.1	.22	9c	.58	5.32
C12205	233(G-3½)	Purple	2.3	.27	9c	.58	5.32
C12206	PR2(P-3½)	Blue	2.4	.50	13c	.82	7.67
C12207	PR3(P-3½)	Green	3.6	.50	13c	.82	7.67
C12208	263X(G-3½)	Blue	2.6	.30	10c	.64	5.86

## GE NEON GLOW LAMPS



Used extensively in test instruments. On DC, only the negative electrode glows. All except ½-watt types operate on 105-125 volts AC or DC and require minimum starting voltages (approx.) 65 on AC, 90 on DC. ½-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. Prices include Fed. Tax.



Standard Edison Base				Candelabra Base			
No.	Type	Watts	Ea. 10 For	No.	Type	Watts	Ea. 10 For
C12265	G10	½	39c \$3.56	C12264	T4½	½	39c \$3.56
C12266	G10	1	49c 4.44	C12277	G10	½	45c 4.00
C12267	S14	2	53c 4.82	C12278	G10	1	45c 4.00
C12262	S14	2	59c 5.33	<b>ARGON (Blue) Lamp</b>			
C12263	S14	2	59c 5.33	Edison base. Clear glass. 2½ watts.			
C12276	S11	3	59c 5.33	C12279—Each..... 45c			

## Porcelain Receptacles



For neon glow lamps, etc. Mtg. hole spacing all types 1½" except C13327 which is 2". C13387 requires 11/16" socket hole in addition.

C13331—Candelabra (B)  
C13330—Miniature (B)  
C13327—Edison (B)  
C13387—Candelabra (A)..... 28c



Base Mtg. 17/64" diam., 11/16" high. Bakelite base. Screw terminals. C13332... 39c

## Resistorless Neon Lamps



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

No.	Type	Watts	Each
C12268	T4½	½	45c
C12269	G10	½	45c
C12270	G10	1	45c
C12271	S14	2	53c
C12209	T4½	½	34c

## 2-Contact Bayonet Metal Shell Sockets



Base Mtg. 17/64" diam., 11/16" high. Bakelite base. Screw terminals. C13332... 39c

Flush Mtg. Requires 11/16" hole plus ¼" apart. C13389—Each... 25c

Prices Below Include Federal Excise Tax.

## CANDELABRA BASE 110-120 V. Pilot Lights



Genuine GE Mazda lamps. Type S-6. C12257—6 watts. 16c  
Type C-7. As above, but cone shape, 7 watts. Available in White Frosted—C12280; Clear—C12275. 11c  
Either Type, Each

## Tubular Candelabra Base 110-120 Volt Pilot Lamp



A brand new 4-watt lamp that is ideal for use behind small panel openings, dials, etc. Looks just like a radio pilot lamp. Size: ½" diam. 1½" long. C12272—10 for \$3.56. 39c  
Each

## VICTOR Pilot Bulb

Intermediate base, frosted bulb. 110/120 volts. For Colonial, Victor and other receivers. C12253—Carton of 10, \$1.46. Each... 16c

## Theater Exciter Lamps



For sound-on-film. Each measures 3½" long, 1" diameter; equipped with single-contact bayonet base. Factory tested.  
Type Volts Amps. Your Cost, Any Type  
105 10 5.0  
107 10 7.5 49c  
854 8.5 4.0  
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 ½" hole. C6436—Each... 47c

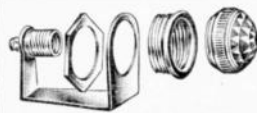
## Jewelled Pilot-Brackets



Fine quality jewelled pilot brackets, for amplifiers, transmitters, etc. All have faceted jewels, highly polished nickel-plated steel brackets. Standard jewelled brackets have ½" jewel requiring a ¼" mounting hole. Jumbo brackets have a ¾" jewel, requiring a 11/16" hole. Available with Candelabra 110 V., Miniature Bayonet and Miniature Screw base sockets.

Base Type	Standard Size		
	Green	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 ½" Jewel			
Min. Screw	C6330	C6331	C6332 35c
Cand.	C6333	C6334	C6335 35c

## Front Removable Jewel Brackets



Mounts in 11/16" hole. ½" 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... 24c		
Same, but Miniature Bayonet Base		
C6408—Red	C6409—Green	
C6410—Amber	C6411—Opal	
Any Type, Each... 24c		

## Giant 1" Jewel Brackets

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

Color	Base	Miniature	Bayonet
Red	C6403	C6404	C6405
Opal	C6321	C6324	C6327
Green	C6322	C6325	C6328
Amber	C6323	C6326	C6329
Any Type Above, Each... 59c			



## RELIANCE Bull's Eye

Takes candelabra base bulbs type S-6. For panels up to ½" 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... 73c

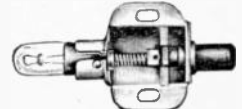
## Pilot Light Sockets Miniature, Candelabra, Bayonet Base



Miniature Base	Bayonet Base	Candelabra Base
A C6510	C6488	C6529
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 1½" x 1¼". Bulb not supplied. C6445—Your Cost... 19c \$1.65



# BURGESS BATTERIES



Due to War Production 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. As restrictions are lifted CONCORD will be among the first to ship from our always fresh stock.

## 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 1/2	1	4	31c
C19867	2370	4 1/2	4" x 3 3/4 x 1 1/2	2	10	30c
C19868	5540	7 1/2	3 3/4 x 4 x 1 1/2	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.

## SPECIAL PURPOSE BATTERIES FOR TEST INSTRUMENTS AND LABORATORY USE

Stock No.	Burgess No.	Terminals	Volts	Shpg. Wt.	W-D-H Size	Your Cost Ea.
<b>Radio "A" Batteries</b>						
C19844	F2BP	Screw	3	12 oz.	2 5/8 x 1 1/2 x 4 1/4	\$0.34
C20678	2FBP	Screw	1 1/2	12 oz.	2 5/8 x 1 1/2 x 4 1/4	.34
C20679	2F2BP	Screw	3	1 lb. 5 oz.	5 1/8 x 1 1/2 x 4 1/4	.60
C20680	F4BP	Screw	6	1 lb. 6 oz.	2 1/2 x 2 1/2 x 3 5/8	.42
C20681	44	Screw	1 1/2	10 oz.	1 7/8 x 4 3/4	.45
<b>Radio "B" Batteries</b>						
C20682	A15ST	Strap	22 1/2	15 oz.	3 3/4 x 2 1/2 x 2 1/8	.60
C20683	X30X	Screw	45	12 oz.	2 1/8 x 1 3/4 x 4 1/4	1.80
C19865	Z30N	Screw	45	1 lb. 4 oz.	3 x 1 1/2 x 4 1/4	1.15
C20684	Z30NX	Screw	45	1 lb. 4 oz.	3 x 1 1/2 x 4 1/4	1.50
<b>Radio "C" Batteries</b>						
C20685	R2BP	Screw	3	3 oz.	1 1/2 x 1 1/2 x 2 1/8	.30
C20686	H3BPX	Screw	4 1/2	4 1/2 oz.	2 3/8 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
<b>"A" Batteries</b>						
C20688	1ES	Metal Cap	1 1/2	2 oz.	1 5/8 x 3/8 diam.	\$0.07 1/2
C20689	2ES	Metal Cap	1 1/2	5 oz.	2 1/8 x 1 5/8 diam.	.07 1/2
C20690	CE	2-Hole Socket	1 1/2	5 oz.	2 1/8 x 1 diam.	.15
C20691	TE	2-Hole Socket	1 1/2	5 oz.	3 7/8 x 1 1/8 diam.	.19
<b>Standard "B" Batteries</b>						
C20692	XX15E	3-Hole Socket	22 1/2	6 oz.	1 1/2 x 1 1/2 x 3 1/2	.94
C20693	XX22E	3-Hole Socket	33	7 oz.	2 1/8 x 1 3/4 x 3 1/2	1.13
C20694	XX30E	3-Hole Socket	45	7 oz.	2 1/8 x 2 3/8 x 3 7/8	1.35
<b>For Carbon Hearing Aids - Universal Batteries</b>						
C20695	T2R	Uni. Flexible Block	3	12 oz.	1 1/8 x 2 1/8 x 4 1/8	.36
C20696	T3R	Uni. Flexible Block	4 1/2	12 oz.	1 1/8 x 3 1/4 x 1 1/8	.45
<b>For Western Electric Ortho-Technic Models</b>						
C20697	C3WE	4-Hole Socket	4 1/2	12 oz.	1 1/8 x 3 1/4 x 2 1/4	.43
C20699	T2WE	4-Hole Socket	3	9 oz.	1 1/8 x 2 1/8 x 1 1/8	.45
C20698	T3WE	4-Hole Socket	4 1/2	12 oz.	1 1/8 x 3 1/4 x 1 1/8	.51

**Little 6 "A" Battery**  
Type 4FA—1 1/2 volt radio "A" battery. Has same capacity as the standard round cell but is 30% smaller and 40% lighter. Size: 2 5/8 x 2 3/4 x 1 1/2. 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 1/2.  
Either Above  
Each—**6 1/2¢**  
C20623—Penlite cell. 2 x 3/4.  
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. 20F2-100 service hrs. at 1/2 amp. drain 3/4 hrs. daily in 1 1/2 x 3 1/2 x 6 1/4. Shpg. wt. 15 lbs.  
**C19828—Your Cost Each—\$2.35**  
C20606—Resistor. Each—25c

## LIGHT DUTY "B" BATTERIES

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

Stock No.	Burgess No.	Terminals	Volts	Dimensions H. W. D.	Shpg. Wt. Lbs.	Unit Pkg.	Single Each
C19861	5308	insulated brass	45	5 7/8 x 4 3/8 x 2 3/8	4	5	\$1.16
C19863	4156	brass	22 1/2	3 x 3 3/4 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.	Clip	Burgess No.	Burgess No.	Terminal Type	Volts	Dimensions H. W. D.	Shpg. Wt. Lbs.	Unit Pkg.	Single Each
C19829	C19825	2308	Regular	7 1/2 x 8 x 2 7/8	45	8 lbs.	6	6	\$1.33

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

Stock No.	Clip	Burgess No.	Burgess No.	Terminal Type	Volts	Dimensions H. W. D.	Shpg. Wt. Lbs.	Unit Pkg.	Single Each
C19831	C19824	10308	Regular	7 1/2 x 8 x 4"	45	12 lbs.	6	6	\$1.85
C19832	C19822	21308	Super	7 3/8 x 8 1/2 x 4 1/2"	45	14 lbs.	6	6	2.23

## IGNITION AND GENERAL UTILITY BATTERIES

Stock No.	Burgess No.	Volts	Shpg. Wt.	Size	Your Cost Each
C19858	4FH	1 1/2	1 1/2 lbs.	2 5/8 x 2 3/8 x 4 3/8	\$0.33
C19846	4F2H	3	3 lbs.	2 5/8 x 3 1/8 x 5 1/8	.77
C19837	4F4H	6	7 lbs.	2 5/8 x 8 1/4 x 6 3/8	1.41



### Standard Battery Plugs

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

No.	Illus.	Description	Used With	Each
C20591	(1)	3-prong "B"	45 V. "B" Batteries	<b>5¢</b> Ten Ass'd for 45c
C20592	(2)	3-prong "C"	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.	

## PORTABLE "A" BATTERIES

Stock No.	Burgess No.	Your Cost	Volts	Size		COMPARATIVE TYPES				Shpg. Wt., Lbs.
				L x W x H	Usa-Lito	Ever-cady	Bright Star	Ray-o-Vac.		
C19854	2F	\$0.28	1 1/2	2 5/8 x 1 1/2 x 4 3/8	634	742	462	P94A	1	
C19850	4F	.35	1 1/2	2 5/8 x 2 3/8 x 4 3/8	683	746	361	P83A	2	
C20610	G3	.32	4 1/2	4 x 4 2 3/8 x 1 3/8	639	746	616	P694A	2	
C19842	F4P1	.38	6	2 5/8 x 2 3/8 x 4	646	747	868	P698L	4	
C20613	2F4L	.70	6	3 7/8 x 1 1/2 x 10 1/8	687	687	561	P85A	3	
C19843	G5	.52	7 1/2	3 3/8 x 2 1/4 x 4 3/8	467	702	30-03	P5303	3	

## PORTABLE "B" BATTERIES

Stock No.	Burgess No.	Your Cost	Volts	Size	Usa-Lito	Ever-cady	Bright Star	Ray-o-Vac.	Shpg. Wt., Lbs.
C20627	XX45	1.60	67 1/2	1 1/8 x 2 1/8 x 3 1/8	624	702	30-03	P5303	3
C20614	B30	1.05	45	2 5/8 x 1 1/8 x 5 3/8	620	738	30-33	P7R30	2
C20616	Z30	1.12	45	3 1/8 x 2 1/8 x 4	640	482	30-33	P5330	4
C20617	M30	1.05	45	5 7/8 x 3 7/8 x 1 1/8	640	482	30-33	P5330	2

## COMBINATION PACKS FOR PORTABLES

Stock No.	Burgess No.	Your Cost	Volts	Size	Usa-Lito	Ever-cady	Bright Star	Ray-o-Vac.	Shpg. Wt., Lbs.
C19871	5DA60	2.36	1 1/2 & 90	5 3/8 x 2 1/8 x 6 7/8	AB665			AB84	5
C19874	6FA60	2.44	1 1/2 & 90	11 1/2 x 6 1/2 x 1 1/2	AB667			AB419	6
C19875	4GA42	1.82	1 1/2 & 63	9 x 2 3/8 x 4 3/8	AB669				5
C20618	G4B50	2.23	6 & 75	4 1/2 x 1 2 3/8 x 2 1/8	AB670				7
C20624	6TA60	2.52	1 1/2 & 90	9 3/8 x 2 1/8 x 4 1/8					5 1/2
C20620	G6B60	2.60	0 & 90	13 7/8 x 4 1/8 x 2 1/8					8 1/2

## COMBINATION PACK FOR FARM RADIOS

Stock No.	Burgess No.	Your Cost	Volts	Size	Usa-Lito	Ever-cady	Bright Star	Ray-o-Vac.	Shpg. Wt., Lbs.
C20619	17GD60	4.36	1 1/2 & 90		748	61-05	AB82		25

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# SERVICING BOOKS and MANUALS

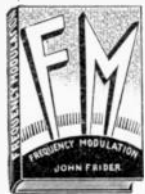
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By R. Lorenzen. 146 charts 7"x11" printed in two colors, covering all alternating current calculations in series circuits, parallel circuits, series-parallel and mesh circuits, at frequencies from 10 cycles to 1,000 megacycles. A tremendous time-saver for engineers and others who work on electrical communication and electrical power problems. Each book contains a transparent straight edge.

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No.	Volume	Year	Price	No.	Volume	Year	Price
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C19784	12	Early '41	12.25	C19951	7	1937	12.25
C19898	11	Late '40	12.25	C19942	6	1936	9.31
C19738	10	Early '40	12.25	C19976	4	1934	8.08
C19893	9	1939	12.25				

### "Cathode Ray Tube at Work"

338 profusely illustrated pages covering theory and application of the C-R tube.



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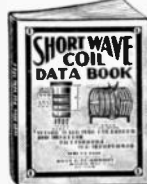
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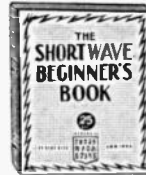
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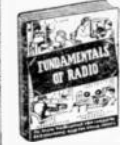
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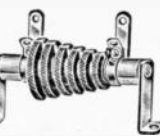
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**C10387—456 kc.\* Interstage**  
**C10388—456 kc.\* Output**  
 \*Range 440-500 kc. **Any Above Each \$1.94**

### Compact Ant. and R.F. Coils



Compact coils designed particularly for use where space is limited. 190-550 meters with 365 mmdf. variable condenser. High impedance primary. Litz secondary. Form is 3/4" diam., 1 1/2" long. Shielded coils mounted in 1 1/2" d. cans 2" high. Shpg. wt. 1 lb. each.


### SHIELDED Ant. Coils

**C10005—Ant. Coil } Ea. 39¢**  
**C10006—R.F. Coil }**

### UNSHIELDED Ant. Coils

**C10003—Ant. Coil } Ea. 29¢**  
**C10004—R.F. Coil }**

### Oscillator Coils



For 190 to 550 meter broadcast band. Used with .000365 mfd. condensers. Shielded type is 1 1/2" H., 1 1/2" D. Used with I.F. x'f.m.s. and r.f. and antenna coils. Padders not supplied.

No.	Freq. K.C.	Padder	No. Unshielded
C10029	175	900	C10028
C10031	456	350	C10030

**Your Cost—Shielded .62¢**  
**Your Cost—Unshielded .48¢**

### Special Oscillator Coil For Type 6SA7

For electron coupled oscillator circuits. Unshielded, 456 KC IF. Requires 350 mmdf. padder cond. 365 mmdf. tuning condenser

**C10332—Meissner 24-1033. Your Cost Each .49¢**

The limited space available does not permit us to illustrate and describe all of the coils and chokes that are available. However, we carry a complete line of all nationally known manufacturers. Write us if those you require are not listed.

# AEROVOX Dependable Quality CONDENSERS

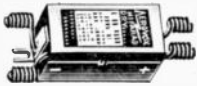
## Prong-Base Midget Condensers



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 1/2x2	1.73
C5028	10-10	250	1x2	.76
C5029	20-20	250	1x2	.79
C5030	20-20	150	1x2	.71
C5031	30-30	150	1x2	.79
C5032	30	150	1x2	.50
C5033	10-10	450	1x3	.94
C4590	20	25	1x3	.82
C4567	15-15	250	1x2	.79

## "Adjustmount" Midget Dry Electrolytics



Feature "adjustmount" 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 3/8 x 1 1/2 x 2 1/2	\$1.23
C4502	8	1 3/8 x 1 1/2 x 3 1/2	1.73

### Type PBS450—525 Volts Surge 450 V. DC Working

Stock No.	Cap. Mfd.	Size—Ins. D. W. L.	Your Cost
C4633	2	1 1/2 x 1 1/2 x 2 1/2	\$0.47
C4634	4	1 1/2 x 1 1/2 x 2 1/2	.53
C4635	8	1 1/2 x 1 1/2 x 2 1/2	.68
C4636	10	1 1/2 x 1 1/2 x 3 1/2	.82
C4637	12	1 1/2 x 1 1/2 x 3 1/2	.94
C4495	16	1 1/2 x 1 1/2 x 3 1/2	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 1/2	\$0.85
C4645	8-8	1 1/2 x 1 1/2 x 2 1/2	1.06
C4491	8-16	1 1/2 x 1 1/2 x 3	1.35

## Filter Capacitor

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



C2320—Your Cost..... **\$8.32**

### CA-355 Capacitor

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

C2321—Your Cost. **\$1.56**  
 CA-255 capacitor. Same construction as above. 3x.1 MFD. 600 V. D.C. 1 1/2 x 2 1/2 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.	Wkg. Volts	Size Ins.	Your Cost
C700	10	25	3/16 x 1 3/16	\$0.29
C701	25	25	3/16 x 1 11/16	.35
C5050	50	25	1/16 x 1 1/2	.44
C5051	100	25	1/16 x 1 1/2	.65
C702	10	50	3/16 x 1 1/2	.32
C703	25	50	3/16 x 1 1/2	.41
C5052	50	50	1/16 x 1 1/2	.50
C5053	100	50	1/16 x 2 3/16	.71
C741	4	150	3/16 x 1 1/2	.29
C742	8	150	3/16 x 1 1/2	.32
C748	12	150	1/16 x 1 1/2	.35
C749	16	150	1/16 x 1 1/2	.41
C750	24	150	1/16 x 2 3/16	.44
C751	30	150	1/16 x 2 3/16	.47
C752	40	150	1/16 x 2 3/16	.47
C718	4	250	3/16 x 1 7/8	.32
C723	8	250	1/16 x 1 1/2	.35
C724	12	250	1/16 x 1 1/2	.47
C725	16	250	1/16 x 2 3/16	.53
C726	8	350	1/16 x 1 1/2	.50
C737	8	350	1/16 x 1 1/2	.41
C738	12	350	1/16 x 2 3/16	.50
C739	16	350	1/16 x 2 3/16	.59
C5054	24	350	1/16 x 2 3/16	.65
C753	4	450	1/16 x 1 1/2	.41
C754	8	450	1/16 x 1 1/2	.44
C755	12	450	1/16 x 1 1/2	.53
C756	16	450	1/16 x 2 3/16	.65
C5055	20	450	1/16 x 2 3/16	.71
C764	10-10	50	3/8 x 2 3/8	.59
C5056	10-10	25	3/8 x 2 3/8	.50
C5057	8-8	150	1/16 x 2 3/8	.52
C5058	8-16	150	1/16 x 2 3/8	.69
C5059	20-20	150	1/16 x 2 3/8	.76
C5060	8-8	200	3/8 x 2 3/8	.68
C5061	8-16	200	1/16 x 2 3/8	.68
C5062	16-16	200	1/16 x 2 3/8	.76
C5063	8-8	450	1/16 x 2 3/8	.76
C5064	8-16	450	1/16 x 2 3/8	.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-450 450 V. D. C. Wkg. 525 V. Surge

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

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

## Type PRV Universal Mounting Condensers



Aerovox cardboard electrolytic. A thoroughly satisfactory substitute for condensers at present unavailable because of priorities and other wartime restrictions. Takes the place of standard aluminum can electrolytics requiring a hole in chassis for mounting.

Single Section 600V. D.C.W.

No.	Mfd.	Size	Each
C4704	4	1 1/2" x 1"	\$1.26
C4705	8	1 1/2" x 1 1/2"	1.79

Single Section 450 V. D.C.W.

No.	Mfd.	Size	Your Cost
C4706	8	1 1/2" x 1"	\$0.68
C4707	10	1 1/2" x 1"	.82
C4708	12	1 1/2" x 1"	.94
C4709	16	1 1/2" x 1"	1.03
C4710	20	1 1/2" x 1"	1.18
C4711	30	1 1/2" x 1"	1.65
C4712	40	1 1/2" x 1"	2.12

Double Section 450 V. D.C.W.

No.	Mfd.	Size	Your Cost
C4713	8-8	1 1/2" x 1"	\$1.06
C4714	8-16	1 1/2" x 1"	1.35
C4715	16-16	1 1/2" x 1"	1.59
C4716	20-20	1 1/2" x 1 1/2"	1.88

## Inverted Dry Electrolytics



Screw-mount inverted dry electrolytics. Supplied with lock-washer nut, 3/8" 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 1 1/2"	\$1.32
C4517	8	1 1/2" x 2 1/2"	1.85

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

No.	Mfd.	Size—Ins.	Your Cost
C4651	4	1 1/2" x 3	\$0.62
C4652	8	1 1/2" x 4	.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.	Your Cost
C4655	4-1*	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.	Your Cost
C4657	4-1-1*	1 1/2" x 3	\$1.35
C4658	8-8*	1 1/2" x 4 1/2	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.

Inverted screw mounting, 1" diameter can and short length make for more compact assemblies, yet generous proportions assure hard service dependability. Insulated leads.

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

\*Each section has 2 leads.

## Metal Can Dry Ground Type



These standard size inverted units are furnished in grounded can mounting type only.

Type G-450—Can negative. 450 V. wkg. (525 V.P.); 3/8" bushing; 1 1/8" dia.

No.	Mfd.	Ht.	Each
C4509	8	3 1/4"	\$0.76
C4510	12	4 1/4"	1.00
C4511	16	4 1/4"	1.12

## TUBE 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

### Oilmitc Capacitor

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



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

### 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 3/8" x 2 3/8" x 3/8".



C2328—1-prong. **\$5.32** Each.....

Type PT-SC-8. Same construction as above. Cap.: 8-8-8 mfd. 600 V.D.C. 3 3/8" x 2 3/8" x 3/8".

C2329—6-prong. **\$7.56** Each.....

Type PT-SC-11. Same as PT-SC-2. 8-8 mfd. 600 V.D.C. 2 5/8" x 2 3/8" x 3/8", 4-prong.  
 C2330—Each..... **\$5.40**

# AEROVOX Dependable Quality CONDENSERS



**"09" Series**  
Compact high voltage units hermetically sealed in welded steel cans. "Hyvol" filled. Universal mounting bracket that permits either upright or inverted mtg. Sizes to 5000 V. available on special order.

Stock No.	Cap. Mfd.	Wkg. Vlt.	Size In.	Your Cost
C4527	2	600	3 1/2 x 1 1/2 x 1 1/2	\$ 3.80
C4528	4	600	3 1/2 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 1/2 x 2 1/2 x 1 1/2	3.53
C4531	4	1000	4 1/2 x 2 1/2 x 1 1/2	4.41
C4532	1	1500	4 1/2 x 3 1/2 x 1 1/2	3.17
C4533	2	1500	4 1/2 x 2 1/2 x 1 1/2	4.41
C4534	4	1500	4 1/2 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 1/2 x 3 1/2 x 1 1/2	4.59
C4826	4	2000	3 1/2 x 3 1/2 x 2 1/2	6.35
C4830	2	2500	4 1/2 x 3 1/2 x 1 1/2	9.17
C4825	2	3000	4 1/2 x 3 1/2 x 2 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. 3/8" mtg. ears. In addition to the sizes listed below we can also furnish units with 200V. and 400V. DC working voltages. Other capacities are also available on order; prices on request. 600V. D.C. Wkg. Type 630.

Single Section				
Stock No.	Cap. Mfd.	Size Inches	Your Cost	
C3637	.1	1 1/2 x 1 1/2 x 1 1/2	\$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	1.58	
C3640	1.0	2 1/2 x 2 1/2 x 1 1/2	1.39	
Dual Section				
C3641	-1-1	1 1/2 x 1 1/2 x 1 1/2	\$1.56	
C3642	.25-.25	2 1/2 x 1 1/2 x 1 1/2	1.59	
C3643	.5-.5	2 1/2 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 416 400V. D.C. Wkg.				
Stock No.	Cap. Mfd.	Size D x W x H	Your 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	.25	1 1/2 x 1 1/2 x 1 1/2	1.38	
C3631	.1	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**  
"Hyvol" filled and impregnated units in round aluminum cans provided with terminals mounted on high voltage stand-off insulators. Hermetically sealed. All mount either upright or inverted; mounting ring is furnished. All conservatively rated.

Stock No.	Cap. Mfd.	Wkg. Vlt.	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 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 x 5 1/2	4.23
C4798	1.0	2000	2 x 5 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 x 5 1/2	7.06
C4823	1.0	3000	2 x 5 1/2	6.35
C4561	2.0	3000	3 x 5 1/2	7.76



## 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 "10" Series

Hyvol filled inverted aluminum cans 1 1/2" diam. Hermetically sealed. With insulated washer.

Stock No.	Cap. Mfd.	Wkg. Vlt.	Your Cost
C4519	2.0	600	\$1.94
C4520	3.0	600	2.29
C4521	4.0	600	2.65
C4522	1.0	1000	1.76
C4523	2.0	1000	2.29
C4524	0.5	1500	2.11
C4525	1.0	1500	2.29



## AEROVOX 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	12c	C4741	.5	26c
C4735	.05		C4742	1.0	35c
600 Volts Working					
C4746	.001		C4754	.02	12c
C4747	.002		C4755	.03	15c
C4748	.003		C4756	.05	15c
C4749	.005		C4758	.1	18c
C4750	.006	12c	C4760	.25	26c
C4752	.01		C4762	.5	35c
C4753	.015				
1000 Volts Working					
C4766	.001		C4772	.01	24c
C4767	.002		C4774	.02	24c
C4768	.003	15c	C4776	.05	26c
C4769	.005		C4778	.1	35c
C4770	.006				

## VIBRATOR TUBULARS

Paper type, rated at 1600 volts wkg.

No.	Mfd.	Size	Each	No.	Mfd.	Size	Each
C4779	.01	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				



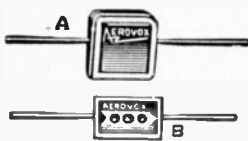
## Oil Filled and Oil Impregnated Tubulars

2000 volts wkg. Ideal for vibrators and x'mitters.

No.	Mfd.	Size	Each	No.	Mfd.	Size	Each
C4833	.0075	1 1/2 x 1 1/2	53c	C4837	.03	1 1/2 x 2 1/2	56c
C4834	.01	1 1/2 x 1 1/2	53c	C4838	.04	1 1/2 x 2 1/2	56c
C4835	.015	1 1/2 x 2 1/2	53c	C4839	.05	1 1/2 x 2 1/2	59c
C4836	.02	1 1/2 x 2 1/2	53c				

**FREE:** An informative, practical engineering paper, issued monthly, the AEROVOX RESEARCH WORKER, Servicemen, engineers, hams, and other interested radio workers need only write us today—names will be placed on the mailing list immediately.

## AEROVOX Silver Micacs



Enclosed in molded XM bakelite housings and provided with pigtail leads. Features: only plus .0022 per degree F. temperature coefficient; high "Q"; no capacity drift with time 1000 volts test, 500 working. Tolerance ±5%.

Type 1469—Fig. B, 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, 3/8" Square					
C5086	.00075	71c	C5090	.0025	\$1.41
C5087	.001	88c	C5091	.003*	1.59
C5088	.0015	\$1.06	C5092	.004*	1.68
C5089	.002	1.06	C5093	.005*	1.76

\*600 volts test, 300 working.



## 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.

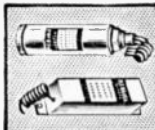
## AEROVOX UNCASED Replacement Units

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

## Paper Condensers to Replace Dry Electrolytics



Paper wound units in round metal cans or flanged cardboard containers to replace dry electrolytics rated up to 600 volts. Extremely low power factor and leakage. Leads.

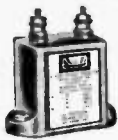
Series PWC—Round Metal Cans 1 1/2" H.					
Stock No.	Replaces Mfd.	Actual Cap. Mfd.	Dim. In.	Your Cost	
C5065	4	2	1 1/2"	\$0.97	
C5066	8	2.75	1 1/2"	1.23	
C5067	8-8	1.75-1.75	1 1/2"	2.00	
Series PWP—Cardboard Cases 4 1/2" L.					
C5068	4	2	1 1/2 x 1 1/2"	.85	
C5069	8	3	1 1/2 x 1 1/2"	1.15	





# CORNELL-DUBILIER

## Type 86 Porcelain Cased Micacs



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 1/2" 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

## 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	.0005	35c
C1371	.00001	29c	C1389	.0003	53c
C1383	.00005	29c	C1390	.0004	53c
C1384	.00007	29c	C1391	.0005	53c
C1385	.0001	29c			

Type A—3/4" Square					
No.	Mfd.	Each			
C1392	.001	88c	C1396	.003	\$1.59
C1393	.0015	\$1.06	C1397	.004	1.68
C1394	.002	1.06	C1398	.005	1.76
C1395	.0025	1.41			

## C-D Molded Micacs



Compact mica condensers in molded bakelite housings. With wire leads. Individually tested; will give dependable service. Type 1W (fig. A) is 3/4 x 3/4"; type 5W (fig. B) are only 1/2 x 1/2". All are 1000 volts test, 500 volts DC working except sizes higher than .003 mfd. which are 600 volts test, 300 volts DC working.

No.	Mfd.	Fig.	Each
C1355	.00001	B	15c
C1356	.00002	B	15c
C1357	.000025	B	15c
C1358	.00005	B	12c
C1359	.0001	B	12c
C1360	.00015	B	12c
C1361	.0002	B	12c
C1362	.00025	B	15c
C1363	.0005	B	15c
C1364	.001	A	18c
C1366	.002	A	24c
C1367	.003	A	29c
C1372	.004	A	32c
C1373	.005	A	35c
C1374	.006	A	44c
C1377	.01	A	53c

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

## "DYR" By-Pass Units

Dykanol "A" oil filled. Drawn metal cans. Low power factor. Hermetically metal sealed. Non-Corrosive metal containers.



600 V. D.C.			1000 V. D.C.		
Stock No.	Your Cost	Cap. Mfd.	Stock No.	Your Cost	Cap. Mfd.
C3011	\$1.23	.1	C3035	\$1.32	
C3012	1.29	.25	C3036	1.35	
C3014	1.59	1.0	C3037	1.94	
C3015	2.12	2.0			
C3007	1.56	1-1	C3038	1.65	
C3008	1.82	5-5	C3039	2.29	
C3009	1.76	1-1-1			

## "FA" High Capacity Low Voltage Units



For motion picture sound equipment, "A" battery power supplies, etc. In round aluminum cans with lug terminals on molded bakelite covers. External cardboard sleeve provided.

No.	Mfd.	Volts	Size	Each
C2560	1000	12	1 3/4 x 3 1/2	\$1.76
C2561	1500	12	1 3/4 x 4 1/2	2.12
C2562	2000	12	1 3/4 x 4 1/2	2.29
C2563	1000	18	1 3/4 x 3 1/2	2.12
C2564	2000	18	1 3/4 x 4 1/2	2.82
C2565	2000	25	1 3/4 x 4 1/2	4.23
C2566	1000	35	1 3/4 x 4 1/2	2.82

## CORNELL-DUBILIER X'mitting Micacs

Type 4 Moulded in bakelite; mechanically strong; special impregnation; high insulation resistance. No magnetic material—reduces losses at all frequencies. Short, heavy terminals—minimum R.F. and contact resistance. India Mica of gauged thickness. Used for grid and plate blocking purposes.

Type 4				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	\$0.35	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	4-12010	.38	C4204	.001	9-12010	.44
C4161	.001	4-12010	.41	C4205	.002	9-12020	.44
C4162	.002	4-12020	.62	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	9-11010	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			
Stock No.	Cap. Mfd.	C.D. No.	Your Cost
C4175	.0001	4-53010	\$0.65
C4176	.0002	4-53020	.76
C4177	.00025	4-53025	.76
C4178	.0005	4-53050	.91
C4179	.001	4-52010	1.06
C4180	.002	4-52020*	1.59
C4181	.004	4-52040*	2.23
C4182	.005	4-52050*	2.41

All thicknesses 1 1/2, except \* 1 1/4. Standard Capacity Tolerance ±5%. In Stock-Loss Case.

Type 15L Micacs				Type 6 Micacs					
Standard Capacity Tolerance ±5%				Standard Capacity Tolerance ±5%					
Stock No.	C.D.	Cap. Test V.	Your Cost	Stock No.	C.D.	Cap. 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	2000	6.35					
C4232	725-15L	.005	2000	6.35					
C4233	580-15L	.006	2000	6.35					
C4234	677-15L	.01	1000	6.35					
C4235	723-15L	.02	1000	6.76					

## "TLA" DYKANOL "A" Filter Capacitors

In Sealed aluminum containers 4 1/2 x 1 1/2" (2 mfd. 600 v. and 1 mfd. 1000 v. are 2 3/4" high). Mount in any position. Dykanol dielectric.



No.	Cap. Mfd.	Wkg. V.	Each
C4195	2	600	\$1.94
C4196	4	600	2.65
C4197	1	1000	1.76
C4198	2	1000	2.35
C4199	1	1500	2.35

## "BRH" High Capacity Low Voltage Units



Etched foil electrolytic capacitors that are widely employed in portable radio power rectifying circuits, electric fence devices, etc. In drawn aluminum cans with cardboard sleeves. Center mounting strap.

No.	Mfd.	Volts	Size	Each
C2567	100	6	3/8 x 1 1/2	\$0.53
C2568	500	6	3/8 x 2 1/2	.88
C2569	1000	6	3/8 x 2 1/2	1.23
C2573	1500	6	3/8 x 2 1/2	1.59
C2574	2000	6	1 x 2 1/2	1.94
C2575	100	12	3/8 x 1 1/2	.59
C2577	500	12	3/8 x 2 1/2	1.06
C2578	100	15	3/8 x 1 1/2	.62
C2579	100	25	3/8 x 2 1/2	.65
C2583	500	25	1 x 2 1/2	1.59
C2584	100	50	3/8 x 2 1/2	.71

## "TQ" DYKANOL "A" Oil-Filled Condensers

Designed to stand up under conditions of severe transient voltages and line surges and continuous duty operation. In cylindrical aluminum containers, with 2 insulated terminals and universal m'tg. bracket. May be mounted in any position.



No.	Mfd.	Wkg. V.	Dimen.	Each
C2962	2	600	2 1/4 x 2	\$2.35
C2963	4	600	2 3/4 x 2	3.17
C2964	1	1000	1 3/4 x 2	1.94
C2965	2	1000	2 3/8 x 2	2.65
C2966	4	1000	3 3/8 x 2	3.35
C2967	1	1500	2 3/8 x 2	2.47
C2968	2	1500	3 3/8 x 2	3.35
C2969	1	2000	3 3/8 x 2	3.18
C2970	2	2000	4 3/8 x 2	3.53
C2971	4	2000	4 3/8 x 3	4.94
C2972	1	3000	3 1/4 x 3	6.35
C2973	2	3000	5 1/4 x 3	7.64

## "TJU" DYKANOL "A" Oil-Filled Capacitors

New universal mounting bracket makes these condensers a better buy than ever. DYKANOL filled and impregnated. Porcelain high tension terminals. Shpg. wt. 1 lb.



No.	Mfd.	Wkg. V.	Dim.	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
C2997	1	1000	2 1/4"	2.65
C2998	2	1000	4"	3.53
C3004	4	1000	4 5/8"	4.41
C2958	8	1000	4 3/8"	6.35
C2959	10	1000	4 5/8"	7.06
C2999	1	1500	4"	3.06
C3000	2	1500	4 1/4"	4.41
C3005	4	1500	4 5/8"	5.88
C2960	8	1500	4 3/4"	8.82
C3001	1	2000	3 7/8"	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 1/4"	10.58
C3022	2	500		

# ALL-PURPOSE CONDENSERS



## "KR" Dry Electrolytics



Extremely compact etched foil dry electrolytics with color coded leads. May be mounted in any position—either above or below sub-panel. Seamless drawn metal can equipped with mounting nut. Furnished with long insulated, color coded leads. Dual units have separate sections. Mounting nut supplied.

450 Volts DC Working				
Stock No.	Cap. Mfd.	Size Ins.	Your Cost	
C1295	4	1 x 2 1/2	62c	
C1296	8	1 x 2 1/2	76c	
C1297	12	1 x 2 1/2	\$1.00	
C1298	16	1 x 2 1/2	\$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 Ins.	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. With mounting feet for up-right mounting to replace inverted can type units. Rated at 450 W. V. 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.

Stock No.	Mfd.	Size	Each
C1052	10	1 1/2 x 3 1/2	\$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	1x2	\$0.53
C1151	20	450	1x2	.79
C1152	40	450	1x3	1.15
C1153	20-20	150	1x2	.71
C1154	30-30	150	1x2	.79
C1149	50-50	150	1x3	.94
C1155	20-20	250	1x2	.79
C1156	10-10	450	1x2	.85
C1209	50-50/20	150/25	1x3	1.03
C1160	10-10/20	450/350/25	1x2	.85

C1170—Bakelite mounting plate for 1" cans. Each ..... 3c

## "DA" Metal Cased Paper By-Pass Condensers



Non-inductively wound. Wax impregnated and oil coated. Lug terminals.

400 Volts D.C. Wkg.				
No.	Mfd.	L x W x T	Each	
C1277	1	1 1/2 x 1 x 1	\$0.47	
C1278	25	1 1/2 x 1 x 1	.53	
C1279	5	1 1/2 x 1 x 1	.68	
C1342	1.0	2 x 1 1/2 x 1 1/2	.88	
C1343	2.0	2 x 2 x 1 1/2	1.12	
C1344	1-1	1 1/2 x 1 x 1	.59	
C1345	25-25	2 x 1 1/2 x 1 1/2	.71	
C1346	5-5	2 x 1 1/2 x 1 1/2	.88	

600 Volts D.C. Wkg.				
No.	Mfd.	L x W x T	Each	
C1348	5	2 x 1 1/2 x 1 1/2	.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; **Mi-Pressure Centrifuge** that provides better impregnation and gives a lower power factor.

No.	Mfd.	Wkg. Vlts.	In.	Each	No.	Mfd.	Wkg. Vlts.	In.	Each
C1090	10	25	3/8x1 1/16	29c	C1104	40	150	3/8x2	50c
C1091	20	25	3/8x1 1/16	32c	C1105	4	250	3/8x1 1/16	32c
C1092	25	25	3/8x1 1/16	35c	C1106	8	250	3/8x1 1/16	35c
C1093	50	25	3/8x1 1/16	44c	C1107	12	250	3/8x2	47c
C1094	5	50	3/8x1 1/16	29c	C1108	16	250	3/8x1 1/16	53c
C1095	10	50	3/8x1 1/16	32c	C1109	20	250	3/8x1 1/16	59c
C1096	20	50	3/8x1 1/16	35c	C1110	40	250	3/8x2	68c
C1097	25	50	3/8x1 1/16	41c	C1111	4	450	3/8x1 1/16	41c
C1098	50	50	3/8x1 1/16	50c	C1112	8	450	3/8x2	44c
C1099	4	150	3/8x1 1/16	29c	C1113	12	450	3/8x2	53c
C1100	8	150	3/8x1 1/16	32c	C1114	16	450	3/8x2 1/2	65c
C1101	12	150	3/8x1 1/16	35c	C1115	20	450	1 x 2 1/2	71c
C1102	16	150	3/8x1 1/16	41c	C1055	30	450	1 x 3	85c
C1103	20	150	3/8x1 1/16	44c	C1116	8	500	3/8x1 1/16	62c
C1054	30	150	3/8x2	47c	C1117	16	500	1 x 2 1/2	94c

## "BRL" Dual Beavers (Com. Neg.)

Dual "Beavers" with common negative. Provided with sturdy center mounting strap; only one screw mounts to chassis. With long color-coded leads.

No.	Mfd.	Wkg. Vlts.	In.	Each	No.	Mfd.	Wkg. Vlts.	In.	Each
C1118	5-5	25	3/8x1 1/16	44c	C1124	20-20	150	3/8x2 1/2	76c
C1119	10-10	25	3/8x1 1/16	50c	C1125	8-16	250	3/8x2 1/2	78c
C1120	5-5	50	3/8x1 1/16	53c	C1126	16-16	250	1 x 2 1/2	86c
C1121	10-10	50	3/8x1 1/16	59c	C1127	8-8	450	1 x 2 1/2	96c
C1122	8-8	150	3/8x2 1/2	62c	C1128	8-16	450	1 1/2x3 1/4	77c

## Type BRS Dual Beavers (Common Positive)

No.	Mfd.	Wkg. Vlts.	In.	Each	No.	Mfd.	Wkg. Vlts.	In.	Each
C1200	4-8	150	3/8x2 1/2	68c	C1204	16-16	150	1 x 2 1/2	88c
C1201	8-8	150	3/8x2 1/2	71c	C1205	20-20	150	3/8x2 1/2	97c
C1202	4-12	150	3/8x2 1/2	71c	C1207	30-10	150	3/8x2 1/2	97c
C1203	8-16	150	3/8x2 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 1/2 x 1 x 2 1/2	\$2.20
C3769	2	600	4 1/2 x 1 x 2 1/2	2.70
C3770	4	600	4 1/2 x 1 1/2 x 3 1/2	3.25
C3751	1	1000	3 1/2 x 1 x 2 1/2	2.35
C3752	2	1000	3 1/2 x 1 x 2 1/2	3.18
C3755	4	1000	3 1/2 x 1 x 2 1/2	3.97
C3756	1	1500	5 1/2 x 1 1/2 x 3 1/2	2.85
C3757	2	1500	5 1/2 x 1 1/2 x 3 1/2	3.97
C3758	4	1500	5 1/2 x 1 1/2 x 3 1/2	5.41
C3759	1	2000	4 1/2 x 1 1/2 x 3 1/2	3.50
C3760	2	2000	5 1/2 x 1 1/2 x 3 1/2	4.12
C3654	4	2000	5 1/2 x 2 1/2 x 5	5.73
C3651	1	3000	5 1/2 x 3 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 Type A-2

For low and high power transmitters, power supplies, power amplifiers, etc. Employ the finest dry mica dielectric. Completely cast in molded bakelite housings with tapped 6/32 screw terminals on each end. Size: 1 1/4" long, 1/2" thick and 1 1/8" wide (varies slightly with capacitance).



600 Volts Wkg.					1200 Volts Wkg.					2500 Volts Wkg.				
Mfd.	No.	Each	No.	Each	No.	Each	No.	Each	No.	Each	No.	Each	No.	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 Type BE-2 1/2"

Cap. Mfd.					Voltages given are D.C. Test Volts				
No.	Mfd.	Each	No.	Each	1000 V.	2500 V.	5000 V.	Each	Each
00005	C3600	32c	C3609	44c	C3617	44c			
0001			C3610	44c	C3618	44c			
00025	C3601	32c	C3611	44c	C3619	47c			
0005	C3602	32c	C3612	47c	C3620	56c			
	C3603	35c	C3613	53c	C3621	65c			
	C3604	38c	C3614	62c	C3622	\$1.29			
	C3606	50c	C3625	\$1.00					
	C3607	56c							
	C3608	65c	C3624	\$1.47					
	C3623	\$1.29							

## 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.

No.	Mfd.	Each	No.	Mfd.	Each
C1234	.0001	12c	C1247	.02	12c
C1235	.00025	12c	C1249	.03	15c
C1237	.001	12c	C1250	.04	15c
C1238	.002	12c	C1251	.05	15c
C1240	.004	12c	C1252	.06	18c
C1241	.005	12c	C1253	.1	18c
C1242	.006	12c	C1255	.25	27c
C1245	.01	12c	C1257	.5	35c

## 1600 Volts D.C.

Oil impregnated units especially designed for auto radio use.

## "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 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	.65
C1328	16	450	1 1/2 x 2 1/2	.85

## Dual Units, Common Neg.

No.	Mfd.	Vlts.	Size	Each
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

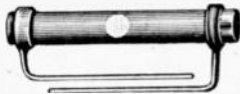
## Dual Units, Sep. Sections

No.	Mfd.	Vlts.	Size	Each
C1217	16-16	250	1 1/2 x 3 1/2	1.18
C1218	16-16	350	1 1/2 x 3 1/2	1.29
C1329	8-8	450	1 1/2 x 3	.97
C1330	8-16	450	1 1/2 x 3 1/2	1.18
C1331	16-16	450	1 1/2 x 3 1/2	1.41

# Reliance CARBON RESISTORS

## SERVICEMEN'S SPECIAL!

### 1/2 & 1 Watt R.M.A. Carbon Resistors



Here's another **CONCORD 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	Ohms
100	900	6000	17500	70000	200000	1 1/4 Meg.	
150	1000	7500	20000	75000	250000	2 Meg.	
200	1500	10000	25000	80000	300000	2 1/4 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 } **3¢ Ea.** 100 For **\$2.40**  
**C5240**—1-Watt Size }  
**Kit of 100 Resistors**—An assortment of 100 popular carbon resistors. Contains approximately 50 1-watt, 25 1/2-watt and 25 1/4-watt resistors. All standard RMA color coded. Shpg. wt. 2 lbs.  
**C3816**—Kit of 100. **\$1.69**  
 Specially priced.

### 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 1/4" 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	C4 76	300000	C4486
1500	C4458	8000	C4468	50000	C4477	500000	C4487
2000	C4459			60000	C4478		

Your Cost Each **9¢**  
 12 For **89¢** 25 For **\$1.73**

**NOTE:** Calculator below supplied FREE with orders for 24 or more Reliance 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 **71¢**. **Your Cost Each 8¢**

**Without Center Tap**  
**C3998**—Specify resistance desired. 10 For **63¢**. **Your Cost Each 7¢**

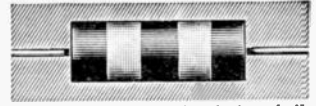
### Continental Carbon Multiplier Resistors

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¢**

## Reliance INSULATED 1/2 & 1 Watt



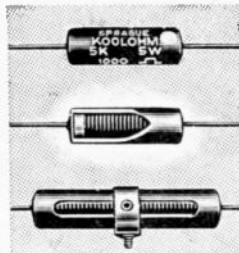
**\*Porcelain Insulated Outer Shells**  
**\*Low Drift**

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 1/2"x1/8" dia. RMA color-coded. Approximately 300 units to 1 lb.

Resis. Ohms	1/2-Watt Stock No.	1-Watt Stock No.	Resis. Ohms	1/2-Watt Stock No.	1-Watt Stock No.
200	C4250	C4300	25000	C4274	C4324
300	C4245	C4348	30000	C4275	C4325
400	C4251	C4301	40000	C4276	C4326
500	C4252	C4302	50000	C4277	C4327
600	C4253	C4303	60000	C4278	C4328
700	C4254	C4304	70000	C4279	C4329
800	C4255	C4305	75000	C4280	C4330
1000	C4256	C4306	100000	C4281	C4331
1250	C4257	C4307	125000	C4282	C4332
1500	C4258	C4308	150000	C4283	C4333
2000	C4259	C4309	200000	C4284	C4334
2500	C4260	C4310	250000	C4285	C4335
3000	C4261	C4311	300000	C4286	C4336
3500	C4262	C4312	400000	C4287	C4337
4000	C4263	C4313	500000	C4288	C4338
5000	C4264	C4314	750000	C4289	C4339
6000	C4265	C4315	1 Megohms	C4290	C4340
7000	C4266	C4316	1	C4291	C4341
7500	C4267	C4317	1.5	C4292	C4342
8000	C4268	C4318	2	C4293	C4343
9000	C4269	C4319	2.5	C4294	C4344
10000	C4270	C4320	3	C4295	C4345
12000	C4271	C4321	4	C4296	C4346
15000	C4272	C4322	5	C4297	C4347
17000	C4273	C4323	6		
20000			7		
			8		
			9		
			10		

**1/2-WATT SIZE** **5¢** **1-WATT SIZE** **6¢**  
 Your Cost Each  
 12 For... 45¢ 100 For... \$3.55 12 For... 56¢ 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 20 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 10AD—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 44¢**  
 Your Cost Each

#### NON-INDUCTIVE FIXED

**Type 10NI—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

10,000

Stock No.	Ohms	Each
C7528	10 to 1000	35¢
C7529	1250 to 2000	41¢
C7530	2500 to 4000	44¢
C7531	5000	47¢
C7532	7500	53¢
C7533	10,000	68¢

**NOTE:** We will make every effort to supply merchandise as ordered, but during the present emergency we must reserve the right to substitute like quality where necessary.



# IRC PRECISION RESISTORS

## IRC Insulated Resistors Type BT Metallized



Newly-designed compact size general purpose resistors with a metallized element, sheathed in an overall covering of moisture proof phenolic compound. Meet rigid JAN-13F specifications. Non-inductive. Have pig-tail wire leads. Tolerance  $\pm 10\%$ . 5% available on special order at slightly higher prices. Specify resistance when ordering.

### STANDARD RMA CODE—SPECIFY RESISTANCE

Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Megs.	Megs.
0.47	4.7	47	470	4700	47000	0.47	4.7
0.56	5.6	56	560	5600	56000	0.56	5.6
0.68	6.8	68	680	6800	68000	0.68	6.8
0.82	8.2	82	820	8200	82000	0.82	8.2
1.0	10.0	100	1000	10000	100000	1.0	10.0
1.2	12.0	120	1200	12000	120000	1.2	12.0
1.5	15.0	150	1500	15000	150000	1.5	15.0
1.8	18.0	180	1800	18000	180000	1.8	18.0
2.2	22.0	220	2200	22000	220000	2.2	22.0
2.7	27.0	270	2700	27000	270000	2.7	27.0
3.3	33.0	330	3300	33000	330000	3.3	33.0
3.9	39.0	390	3900	39000	390000	3.9	39.0

1/2-Watt—BTS	1 Watt—BTA	2 Watt—BT-2
Size $1\frac{1}{2} \times 1\frac{1}{8}$ . Meet Spec. JAN-R11 RC10 or RC20. Range 470 ohms to 22 megohms. <b>C5206—</b> Each..... <b>8¢</b>	Size $1\frac{1}{2} \times \frac{1}{2}$ . Meet Spec. JAN-R11 RC30. Range 330 ohms to 22 megohms. <b>C5207—</b> Each..... <b>10¢</b>	Size $1\frac{1}{2} \times \frac{3}{8}$ . Meet Spec. JAN-R11 RC41. Range 470 ohms to 22 megohms. <b>C5263—</b> Each..... <b>15¢</b>

### "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
Size $\frac{5}{8} \times \frac{3}{16}$ . Range 0.47 to 820 ohms. <b>C5298—</b> Each..... <b>9¢</b>	Size $1\frac{1}{4} \times \frac{1}{4}$ . Range 0.47 to 4700 ohms. <b>C5299—</b> Each..... <b>10¢</b>	Size $1\frac{1}{4} \times \frac{3}{16}$ . Range 1.0 to 6800 ohms. <b>C5299—</b> Each..... <b>15¢</b>

### 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 a metallized unit housed in Isolantite. Non-inductive 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
<b>C5116</b> —100 Meg..... <b>\$1.00</b>	<b>C5108</b> —100 Meg..... <b>\$1.15</b>
<b>C5117</b> —250 Meg..... <b>1.00</b>	<b>C5109</b> —250 Meg..... <b>1.15</b>
<b>C5118</b> —500 Meg..... <b>1.00</b>	<b>C5110</b> —500 Meg..... <b>1.15</b>
<b>C5119</b> —1,000 Meg..... <b>1.50</b>	<b>C5111</b> —1,000 Meg..... <b>1.65</b>
<b>C5120</b> —5,000 Meg..... <b>1.50</b>	<b>C5112</b> —5,000 Meg..... <b>1.65</b>
<b>C5121</b> —10,000 Meg..... <b>2.00</b>	<b>C5113</b> —10,000 Meg..... <b>2.15</b>
	<b>C5114</b> —20,000 Meg..... <b>2.15</b>

### IRC Wire Wound Power Resistors

Machine wound on non-hygroscopic cores; cement coating.



Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms
75	500*	2000*	4000*	7500*	15000*	40000*
100*	750*	2250*	4500	10000*	20000*	50000*
150	1000*	2500*	5000*	12000*	25000*	60000*
250*	2000*	3000*	6000*	12500*	30000*	75000*
500*	2500*	3500*	7000*		35000	100000*

30,000 ohms and over are 5 watts.  $1\frac{1}{2}$ " long,  $\frac{3}{16}$ " 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,  $\frac{1}{2}$ " diam. Range up to 100,000 ohms (see list).

Stk. No.	From	To	Each	Stk. No.	From	To	Each
<b>C5211</b>	1	15,000	41c	<b>C5290</b>	60,000	100,000	65c
<b>C5212</b>	20,000	50,000	50c				

#### Type "EP" 50-Watt (Max.)

$4\frac{1}{2}$ " long,  $\frac{3}{4}$ " diam. Range up to 100,000 ohms. Only in sizes marked with (#) (see list).

Stk. No.	From	To	Each	Stk. No.	From	To	Each
<b>C5248</b>	5	5,000	71c	<b>C5254</b>	30,000	100,000	94c
<b>C5249</b>	6,000	25,000	82c				

#### Type "HA" 100-Watt (Max.)

$6\frac{1}{2}$ " long,  $1\frac{1}{8}$ " diam. Range up to 100,000 ohms. Only in sizes marked with asterisk\* (see list).

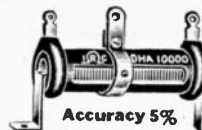
Stk. No.	From	To	Each	Stk. No.	From	To	Each
<b>C5260</b>	100	5,000	\$0.97	<b>C5235</b>	75,000 ohms		<b>\$1.47</b>
<b>C5261</b>	7,500	25,000	1.15	<b>C5236</b>	100,000 ohms		<b>1.62</b>
<b>C5234</b>	50,000 ohms		1.29				

#### Type "HO" 200-Watt (Max.)

$10\frac{1}{2}$ " long,  $1\frac{1}{2}$ " diam. Range up to 100,000 ohms. Only in sizes marked with (#) (see list).

Stk. No.	From	To	Each	Stk. No.	From	To	Each
<b>C5237</b>	100	10,000	\$1.62	<b>C5238</b>	15,000	100,000	\$1.94

## IRC Power Wire-Wound Variable Resistors



For all industrial and Radio uses. Dissipate heat rapidly, withstand heavy overloads, have great mechanical strength. All (except 10 watt units) are supplied with a NEW highly improved contact band that has a stainless steel spring spot-welded to it. The spring carries a silver contact button on which the pressure never varies—no 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	75000
200	2000	10000	100000

**Type ABA—10 Watts**  
 $1\frac{1}{2} \times \frac{3}{8}$ ". Range up to 10,000 ohms. (See list above).

No.	From	To	Each
<b>C5262</b> —			
Your Cost Each.....			<b>44¢</b>
<b>C5213</b> —Extra slider for above.			
Your Cost Each.....			<b>.6c</b>

**Type DHA—25 Watts**  
 $2\frac{1}{2} \times \frac{3}{8}$ ". Range up to 25,000 ohms. (See list above).

No.	From	To	Each
<b>C5274</b>	5	5,000	<b>56c</b>
<b>C5275</b>	6,000	15,000	<b>65c</b>
<b>C5276</b>	20,000	25,000	<b>71c</b>
<b>C5219</b> —Extra slider (silver)...			<b>12c</b>

**Type EPA—50 Watts**  
 $4\frac{1}{2} \times \frac{3}{8}$ ". Available in sizes up to 100,000 ohms. See list above. Each with brackets and one slider.

No.	From	To	Each
<b>C5286</b>	5	5,000	<b>\$0.88</b>
<b>C5287</b>	6,000	25,000	<b>.97</b>
<b>C5288</b>	40,000	50,000	<b>1.12</b>
<b>C5289</b>	75,000	100,000	<b>1.29</b>

**Type ESA—80 Watts**  
 $6\frac{1}{2} \times \frac{1}{2}$ ". 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
<b>C5196</b>	5	5,000	<b>\$1.15</b>
<b>C5197</b>	6,000	25,000	<b>1.29</b>
<b>C5198</b>	40,000	50,000	<b>1.47</b>
<b>C5199</b>	100,000	.....	<b>1.62</b>

**Type HAA—100 Watts**  
 $6\frac{1}{2} \times 1\frac{1}{8}$ ". Available in the following resistances.

Ohms	Ohms	Ohms	Ohms
100	2500*	10000*	50000*
500*	5000*	15000	75000*
1000*	7500	25000*	100000*
No.	From	To	Each
<b>C5266</b>	100	5,000	<b>\$1.29</b>
<b>C5267</b>	7,500	25,000	<b>1.47</b>
<b>C5268</b>	50,000	.....	<b>1.62</b>
<b>C5269</b>	75,000	100,000	<b>1.76</b>

**Type HOA—200 Watts**  
 $10\frac{1}{2} \times 1\frac{1}{8}$ ". In sizes marked by asterisk in list above.

No.	From	To	Each
<b>C5270</b>	500	10,000	<b>\$1.94</b>
<b>C5271</b>	25,000	100,000	<b>2.26</b>

**Extra Sliders**  
Silver contact type to fit sizes listed.

Size	Silver	Each
50-80W	<b>C5217</b>	<b>12c</b>
100-200W	<b>C5218</b>	<b>15c</b>



### Precision Wire-Wound Resistors



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— $2\frac{1}{2} \times \frac{3}{8}$ ". WW-2— $2\frac{1}{2} \times \frac{1}{4}$ ". Have ferrules with binding post terminals. WW-4 has lug type terminals.

Type WW-1				Type WW-2			
<b>C5150</b>	1	<b>C5148</b>	15000	79c	<b>C5193</b>	750,000	2.65
<b>C5154</b>	5	<b>C5171</b>	20000		<b>C5202</b>	1 1/2 Meg.	4.41
<b>C5159</b>	10	<b>C5149</b>	22500		<b>C5194</b>	1 Meg.	3.09
<b>C5160</b>	25	<b>C5172</b>	25000	<b>94c</b>	<b>C5115</b>	2 Meg.	5.88
<b>C5161</b>	50	<b>C5173</b>	30000				
<b>C5162</b>	100	<b>C5176</b>	50000				
<b>C5164</b>	200	<b>C5177</b>	60000	<b>1.12</b>			
		<b>C5178</b>	75000				
<b>C5200</b>	250	<b>C5179</b>	100000	<b>1.23</b>			
<b>C5165</b>	500	<b>C5181</b>	150000				
<b>C5166</b>	1000	<b>C5182</b>	175000	<b>1.56</b>			
<b>C5143</b>	1500	<b>C5183</b>	200000				
<b>C5144</b>	2000	<b>C5184</b>	225000	<b>1.71</b>			
		<b>C5185</b>	250000				
<b>C5167</b>	2500	<b>C5190</b>	275000				
<b>C5145</b>	3000	<b>C5186</b>	300000	<b>1.85</b>			
<b>C5168</b>	5000	<b>C5187</b>	400000				
<b>C5147</b>	7500	<b>C5188</b>	500000	<b>2.15</b>			
<b>C5169</b>	10000						

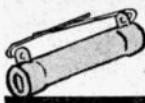


### Resisto-Cabinet

Free with any of the following resistor kits. Sturdy, 4 drawer (7 compartments in each) cabinets, 11x5 1/2x5 1/2". Blue & Silver finish. Shpg. Wt. 7 lbs.

<b>Kit # No. 1:</b> 8 Type BTS W. resistors, 37 type BTA W. resistors, 10-type AB 10 W fixed resistors, 4-type ABA 10 W. adjustable resistors. Total 59 resistors. <b>\$8.84</b>
<b>Kit # No. 2:</b> 100 1/2 watt Resistors—6 type BW-1/2, 94 type BT. <b>\$7.71</b>
<b>C5280</b> —List value, <b>\$13.12</b> . Your Cost, Complete..... <b>\$8.30</b>
<b>Kit # No. 3:</b> 83 1 watt resistors—6 type BW-1, 77 type BTA. <b>\$8.30</b>
<b>C5282</b> —List value, <b>\$14.11</b> . Your Cost, Complete..... <b>\$8.30</b>

SIGN WPB CERTIFICATION ON OUR ORDER BLANK OR ENCLOSE PRIORITY WITH ORDER



# OHMITE RESISTORS

## Vitreous Enamelled Fixed Resistors



Lug type resistors, wire-wound on porcelain cores. The vitreous enamelled coating both protects and insulates the wire. The best alloy and largest possible size wire are used for each resistance. The vitreous enamelled coating retains the uniform spacing of the turns, just as they were wound, which permits close spacing. Wire is mechanically locked and soldered to the terminal lugs. Tolerance 10%.

25 WATT			
1	150	3,000	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	2,000	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	150,000

500 WATT			
1	75	2,000	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	150,000

**"BROWN DEVIL" Fixed Resistors**



Wire wound, vitreous enamelled units suitable for use on all electronic and industrial equipment. Tinned copper wire terminals. Protected against humidity and mechanical damage. Tol. 10%. Wt. 3 oz.

Ohms	Ohms	Ohms	Ohms
0.4	125†	1,850*	16,000†
0.6*	150	2,000	17,500
0.8*	200	2,250	18,000†
1†	225†	2,400*	20,000
1.2†	250	2,800	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**.....**25c**

**C7151**—11M to 50M ohms. Specify sizes desired. **Each**.....**29c**

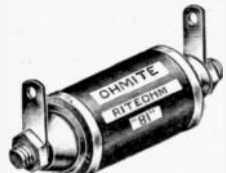
**20 Watt Resistors**  
Available in all sizes except those marked\*.

**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**

## "RITEOHM" 1 Watt Precision Resistors



Non-inductive, pie-wound units ideal for voltmeter multipliers, laboratory equipment, radio and electrical test sets, attenuation pads and other applications.

Wound on a porcelain bobbin with the highest quality enamelled wire. Tolerance 1%. High dielectric strength. Sealed against moisture by vacuum impregnation.  $\frac{1}{2} \times 1 \frac{1}{4}$ ".

Ohms	Ohms	Ohms	Ohms
0.1	500	12,500	75,000
0.5	1,000	15,000	100,000
1	1,250	17,500	125,000
10	1,500	20,000	150,000
25	2,000	22,500	225,000
50	2,500	25,000	250,000
100	4,000	30,000	300,000
200	5,000	40,000	400,000
250	7,500	50,000	
300	10,000	60,000	

Specify resistance when ordering

No.	Ohms	Each
<b>C7155</b>	0.1 to 2,000	<b>\$0.68</b>
<b>C7156</b>	2,500 to 10,000	<b>.73</b>
<b>C7157</b>	12,500 to 15,000	<b>.79</b>
<b>C7158</b>	17,500 to 50,000	<b>.94</b>
<b>C7159</b>	60,000 to 75,000	<b>1.12</b>
<b>C7160</b>	100,000	<b>1.23</b>
<b>C7161</b>	125,000	<b>1.41</b>
<b>C7162</b>	150,000 to 200,000	<b>1.56</b>
<b>C7163</b>	225,000 to 250,000	<b>1.71</b>
<b>C7164</b>	300,000 to 400,000	<b>1.85</b>
<b>C7165</b>	500,000	<b>2.15</b>
<b>C7166</b>	600,000	<b>2.50</b>
<b>C7167</b>	750,000	<b>2.65</b>
<b>C7168</b>	900,000	<b>2.79</b>
<b>C7169</b>	1 Megohm	<b>2.94</b>
<b>C7170</b>	1 1/2 Megohm	<b>4.41</b>
<b>C7171</b>	2 Megohm	<b>5.88</b>

## OHMITE Adjustable "DIVIDOHM" Resistors



Wire-wound units that make ideal voltage dividers for original equipment and replacement in transmitters, rectifiers and other apparatus. Handy for obtaining odd resistance values, for adjusting circuits and for use on equipment which must be set to meet various line voltages. Vitreous enamelled on porcelain cores with a narrow strip of the turns of wire exposed to form a contact surface for embossed contact on the adjustable lug. (Every turn is securely held against shifting.) Slider and mounting bracket included.

10 WATT 1 1/2" x 3/4"			
5	100	1,000	4,000
10	250	2,000	5,000
25	500	2,500	7,500
50	750	3,000	10,000

**C7174**—Your Cost.....**44c**

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	2,500	10,000
10	500	3,000	15,000
25	750	4,000	20,000
50	1,000	5,000	25,000
100	2,000	7,500	

**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**

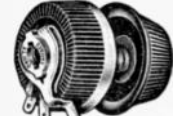
200 WATT 10 1/2" x 3/4"			
5	250	5,000	25,000
10	500	10,000	30,000
25	1,000	15,000	40,000
50	2,500	20,000	50,000

**C7185**—5 ohms to 10M.....**\$1.94**  
**C7186**—15M to 50M.....**2.26**

## Standard Adjustable Sliders

Diam. Inches	SCREWDRIIVER TYPE		BAKELITE KNOB TYPE	
	Stock No.	Your Cost	Stock No.	Your Cost
3/8"	<b>C7193</b>	<b>6c</b>	<b>C7197</b>	<b>9c</b>
1/2"	<b>C7194</b>	<b>6c</b>	<b>C7198</b>	<b>15c</b>
5/8"	<b>C7195</b>	<b>9c</b>	<b>C7199</b>	<b>15c</b>
1"	<b>C7196</b>	<b>9c</b>		

## 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.)			
Stock No.	Total Ohms	Max. Amps.	Each
<b>C8350</b>	1	5,000	<b>\$2.65</b>
<b>C8362</b>	2	3,540	
<b>C8351</b>	3	2,880	
<b>C8363</b>	6	2,040	
<b>C8352</b>	8	1,770	
<b>C8364</b>	10	1,580	
<b>C8365</b>	15	1,290	
<b>C8366</b>	25	1,000	
<b>C8353</b>	35	845	
<b>C8367</b>	50	707	<b>\$2.35</b>
<b>C8390</b>	75	575	
<b>C8368</b>	100	500	
<b>C8369</b>	125	445	
<b>C8370</b>	175	375	
<b>C8371</b>	250	316	
<b>C8391</b>	350	267	
<b>C8372</b>	500	222	
<b>C8392</b>	750	182	
<b>C8373</b>	1,000	155	
<b>C8374</b>	1,500	129	<b>\$2.65</b>
<b>C8375</b>	2,500	100	
<b>C8376</b>	3,500	084	<b>\$2.79</b>
<b>C8377</b>	5,000	070	

Model "J"—50 Watt (2 1/2" dia.)			
No.	Ohms	Amps.	Each
<b>C7200</b>	0.5	10,000	
<b>C7201</b>	1	7,070	<b>\$2.94</b>
<b>C7202</b>	2	5,000	
<b>C7203</b>	4	3,530	
<b>C7204</b>	8	2,500	
<b>C7205</b>	12	2,040	
<b>C7206</b>	16	1,760	
<b>C7207</b>	22	1,500	
<b>C7208</b>	35	1,190	
<b>C7209</b>	50	1,000	<b>\$2.65</b>
<b>C7210</b>	80	790	
<b>C7211</b>	125	630	
<b>C7212</b>	150	575	
<b>C7213</b>	225	470	
<b>C7214</b>	300	408	
<b>C7215</b>	500	316	
<b>C7216</b>	800	250	
<b>C7217</b>	1,000	224	<b>\$2.79</b>
<b>C7218</b>	1,600	176	
<b>C7219</b>	2,500	141	
<b>C7220</b>	3,500	119	
<b>C7221</b>	5,000	100	<b>\$2.94</b>
<b>C7222</b>	8,000	079	
<b>C7223</b>	10,000	070	

## MODEL "K"—100 WATT (3 1/2" DIA.)

No.	Ohms	Amps.	Each
<b>C8378</b>	10	3,160	
<b>C8379</b>	25	2,000	<b>\$4.12</b>
<b>C8380</b>	50	1,410	
<b>C8381</b>	100	1,000	
<b>C8382</b>	300	575	
<b>C8383</b>	500	447	<b>\$4.12</b>
<b>C8384</b>	1,000	316	<b>\$4.41</b>
<b>C8385</b>	2,500	200	<b>\$4.70</b>
<b>C8386</b>	5,000	141	<b>\$5.29</b>
<b>C8387</b>	10,000	100	



# VOLUME CONTROLS

## CRL Split Knurl Midget Radiohms



For 1938-39-40-41 radios using split-knurl shafts where the knobs will not fit any other type of shaft. Shafts 3/8" long.

No.	CRL	Ohms	Each
C8285	NK-139	250M	59¢
C8286	NK-140	500M	
C8287	NK-141	1 Meg.	
C8288	NK-142	2 Meg.	
C8289	NK-143	500M*	88¢
C8291	NK-144	1 Meg.*	

\*—Tapped controls.

## CENTRALAB Power Rheostats

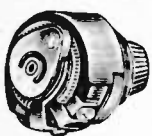
Ideal for use as motor speed controls, charging rate regulators, etc. All metal frame; core insulated with treated asbestos. Wire wound. All for single hole mounting; knob supplied. Diameter 2"; bushings 3/4 x 1/2" long. Depth behind panel: 25 watt units 1/2"; 50 watt units 1 1/4"; 75 watt units 1 3/4". All have tinned solder lug terminals for easy connections. Shpg. wt. 1 lb.



25-Watts		50-Watts	
Stock No.	Res. Ohms	No.	Ohms
C8977	2	C8988	60
C8978	6	C8989	150
C8979	15	C8990	500
C8980	50	C8991	1000
C8976	100	C8960	2500
C8981	150	C8992	5000
C8957	250	Your Cost \$1.47	
C8982	400	75-W	
C8958	500	C8995	50
C8983	1000	C8996	150
C8984	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 3/8" bushing and nut for single hole mounting; depth behind panel 1 1/4"; base diameter 1 3/4"; shaft; rotation 285 degrees. All rated 25-watts maximum. Have screw terminals. Furnished with knob.

Stock No.	Res. Ohms	Max. Amps.	Your Cost
C8963	1	1.58	\$1.68
C8964	25	1.00	
C8965	50	.706	
C8966	100	.500	
C8967	250	.316	\$1.96
C8968	500	.222	
C8969	1000	.158	
C8970	2500	.100	
C8971	5000	.070	

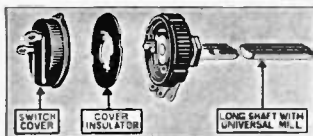
## 1 Meg. Midget Volume Control and Switch

Standard 1/2" shaft extending 3/4" 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 1/2"; Diameter—1/4"; Bushing diameter—3/8". Flat milled shaft. Listing below includes new CRL type numbers less switch. Order by these or by the old CRL numbers. With switch numbers are the same except for prefix letter which is "B" in place of "A"; "BT" in place of "AT" and "BF" in place of "AF". This will aid you in obtaining the exact control you need, as listed in the new CRL Guide. Tapers follow:

- U—Voltage Divider (uniform)
- S—Antenna Shunt
- A—Antenna Shunt & "C" Bias
- A1—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	25,000C	C8864	A-128	500,000U
C8842	A-106	5000S	C8861	A-118	50,000U	C8841	A-129	500,000P
C8907	AF-107	7500U	C8875	A-119	50,000T	C8863	A-130	500,000GT
C8872	AF-108	10,000A	C9033	A-120	75,000T	C8908	A-131	750,000GT
C8871	AF-109	10,000A1	C8840	AF-121	75,000C	C8874	A-132	1 Meg. GT
C8843	AF-110	10,000A2	C8862	A-122	100,000U	C8890	A-133	2 Meg. GT
C8858	A-111	10,000S				C8696	A-134	3 Meg. GT

### WIRE WOUND RADIOHMS

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) (Composition Element)

C8891	—AT-135	250,000 ohms GT	List Price \$1.50 Your Cost 88¢ Each
C8881	—AT-136	500,000 ohms GT	
C8882	—AT-137	1 Megohm GT	
C8909	—AT-138	2 Megohms GT	

### TWIN REPLACEMENT RADIOHMS

Most popular twin controls for general replacement.

Stock No.	CRL No.	Front Ohms	Rear Ohms	List Price	Your Cost
C8912	C-100	10,000	25,000	\$2.50	\$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	S.P.S.T.	29c	C8669	4 Point	35¢
C8666	S.P.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 1/2" shaft milled entire length. Separate switches easy to install. Same taper symbols as shown with standard Radiohms above. CRL type numbers given below are less switch—CRL type numbers for controls with switch have prefix "P" in place of "N"

No.	CRL	Ohms	No.	CRL	Ohms	No.	CRL	Ohms
C8187	NF106	5000U	C8281	NF112	20,000A	C8192	N102	250,000GT
C8190	NF107	10,000A	C8217	NF113	25,000A	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	10,000S	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			

Any Type Listed Above (Less Switch) Each 59¢

Tapped Midget Radiohms			Midget Switch Plates		
No.	CRL	Ohms	Stock No.	Type	Each
C8274	NT119	250,000	C8195	S.P.S.T.	29c
C8275	NT120	500,000	C8196	S.P.D.T.	35¢
C8276	NT121	1 Meg.	C8197	D.P.S.T.	
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



Wirewound controls that have selected alloy wire precisely wound on thin bakelite strip. Perfect sliding contact. 1/2" shaft, 1 1/2" long. Units marked with asterisk (\*) are rheostat type; all others potentiometers.

### Tapers:

- L—Untuned Antenna
- S—Standard Pot. (uniform)
- V—"C" Bias Control
- W—Screen Grid; Phono Control
- U—Antenna & "C" Bias (1 tube)

Stock No.	Res. Ohms	Stock No.	Res. Ohms
C7048*	1	C7093	750S
C7049*	2	C7092	1000S
C7050*	3	C7090	2000S
C7051*	4	C7089	2000L
C7052*	6	C7088	2000V
C7053*	10	C7087	3000S
C7054*	15	C7086	3000U
C7055*	20	C7047	4000S
C7056*	25	C7084	5000S
C7057*	30	C7083	5000U
C7058*	40	C7082	5000V
C7059	50S	C7080	7500U
C7060*	60	C7079	7500V
C7061*	75	C7078	10000S
C7068	100S	C7075	10000V
C7097	200S	C7074	10000W
C7096	300S	C7073	15000S
C7095	400S	C7072	15000U
C7094	500S	C7070	20000S

Your Cost Each, Any Above Type 57¢

C7068 25000S C7066 40000S  
C7067 30000S C7065 50000S

Your Cost Each, Any Above Type 73¢

C7064 75000S Ea. \$1.18  
C7063 100000S

Available with switch on special order. Add 29c to prices above for control with switch.

## UTAH Wire-Wound Midget Controls

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



3-Watt Potentiometers			
No.	Ohms	No.	Ohms
C6515	6	C6520	400
C6516	10	C6521	500
C6517	15	C6522	1000
C6518	20	C6523	1500
C6519	200		

3-Watt Rheostats			
No.	Ohms	No.	Ohms
C6524	3	C6530	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¢

## CENTRALAB Submidget Radiohms

Especially adaptable to hearing aids and small portable equipment. Case 3/4" diam. by 3/8" deep. 2 3/8" shaft. No switches are available for these units.

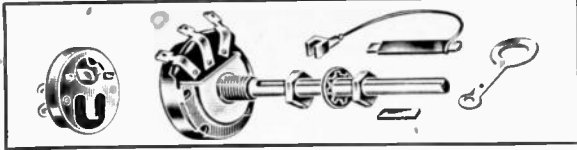
C8221	CRL NS-13	25,000 ohms
C8222	CRL NS-14	50,000 ohms
C8223	CRL NS-15	100M ohms
C8224	CRL NS-16	250M ohms
C8225	CRL NS-17	500M ohms
C8226	CRL NS-18	1 megohm

Your Cost Each, Any of the Above Types 59¢



# MALLORY & CO., Inc. MALLORY VOLUME CONTROLS

## UNIVERSAL VOLUME CONTROLS



The Mallory-Yaxley Volume Controls listed on these pages can be used to service over 90% of all the radio receivers now in use. With comparatively few units, the serviceman is enabled to meet practically all service requirements. Mallory-Yaxley Controls feature: minimum bias adjustment on all bias controls; 3" shafts that can be shortened by notching and breaking off; complete shielding; all furnished with knob adapter, and mounting hardware. Approved switch (listed below) can be added to any control.

## UNIVERSAL REPLACEMENT CONTROLS

All with two mounting nuts, washer, ground terminal and knob adapter. Wire wound units have adjustable bias feature (exclusive Mallory-Yaxley); carbon element units with adjustable bias resistor where required.

No.	Part	Type	Ohms	Taper	No.	Part	Type	Ohms	Taper
C6660	Q	WW	2	4	C6675	H*	WW	15000	2
C6661	R	WW	6	4	C6713	H2*	WW	15000	7
C6662	S	WW	10	4	C6714	H12*	Car.	15000	1
C6663	T	WW	20	4	C6741	A20MP*	WW	20000	4
C6664	U	WW	30	4	C6715	Y*	Car.	20000	1
C6665	V	WW	60	4	C6742	Y25MP	Car.	25000	4
C6666	W	WW	100	4	C6676	J*	Car.	25000	1
C6667	X	WW	200	4	C6743	Y50MP	Car.	50000	4
C6732	A400P	WW	400	4	C6677	K*	Car.	50000	2
C6668	A	WW	500	1	C6716	K12	Car.	50000	1
C6733	A550P	WW	550	4	C6717	Z*	Car.	75000	2
C6734	A1MP	WW	1000	4	C6718	Z12	Car.	75000	1
C6669	B	WW	1000	1	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	2
C6737	A5MP*	WW	5000	4	C6747	Y500MP	Car.	500000	4
C6738	Y5MP	Car.	5000	4	C6680	N	Car.	500000	1
C6672	E*	WW	5000	2	C6731	UC512†	Car.	500000	2
C6707	E7*	WW	5000	7	C6793	UC313	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	F12*	WW	7500	7	C6681	O	Car.	1 Meg.	1
C6710	F7*	Car.	7500	1	C6794	UC514†	Car.	1 Meg.	1
C6739	A10MP*	WW	10000	4	C6682	P	Car.	2 Meg.	1
C6740	Y10MP	Car.	10000	4	C6723	UC504	Car.	3 Meg.	1
C6674	G*	WW	10000	2	C6724	UC505	Car.	4 Meg.	1
C6711	G7*	WW	10000	7	C6725	UC506	Car.	5 Meg.	1
C6712	G12*	Car.	10000	1	C6726	UC507	Car.	5 Meg.	2
C6720	UC501	Car.	10000	2	C6727	UC508	Car.	9 Meg.	1

Car.—Carbon element. WW—Wire wound. \*—Has adjustable bias feature. Wire wound units have adjustable plate; carbon element controls have external adjustable resistor. †—Has slotted shaft for auto sets. Supplied Less Switch.

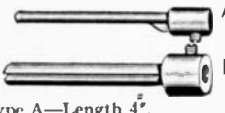
Your Cost Each, Any of the above Controls ..... **59¢**

### Control Switches



Stock No.	Part No.	Type	Each
C6288	6-9 S.P.S.T.		29c
C12853	8 S.P.D.T.		<b>35¢</b>
C6289	7 D.P.S.T.		
C6290	13 3-P.S.T.		
C6291	14 4-P.S.T.		

### Extension Shafts



Type	Length	Diam.	Flat	Price
C6561	1/2"	1/4"	1/8"	<b>18¢</b>
C6562	1/2"	1/4"	1/8"	
C6563	1/2"	1/4"	1/8"	
Any Size, Your Cost Each				<b>18¢</b>
Type B—2" long, 1/4" diameter with 1/8" slot. Enclosed in tight fitting tube.				
C6559—Your Cost				<b>21¢</b>

### Mounting Brackets



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

C6297	Type RB-248—Mounting centers 1 1/2" to 2 3/4".
C6288	Type RB-249—Mounting centers 2 3/8" to 2 3/4".

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

### Control Hex Nuts

No.	For Panels	Each
C6384	1/8"	9c
C6386	1/4"	12c
C6385	3/8"	15c

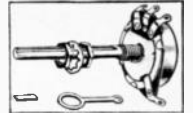
### Volume Control Wrench



For standard volume control nuts. C6387—No. 178  
Your Cost Each ..... **12¢**

## Standard Universal Tapped Controls

Standard 1 1/2" diameter controls with tap for various applications. Furnished with two nuts, washer, ground terminal and knob adapter. \*No provision for use with switch; if switch is desired use TRP624. †Has slotted shaft for auto sets. ‡Special taper for fader service. Others are taper 1. Less switches. Shpg. wt. 5 oz.



Stock No.	Mfrs. No.	Res. Ohms	Tapped At Ohms	Stock No.	Mfrs. No.	Res. Ohms	Tapped At Ohms
C6543	TRP601	40000	8000	C6588	TRP615	3 Meg.	900000
C6544	TRP602	60000	4000	C6589	TRP616	500000	600000
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. No.	Type	Res. in Ohms	Taper	Front	Rear
C6684	CE	WW	2000	5000	VII	IV
C6685	GE	WW	10000	5000	VIII	IV
C6686	GG	WW	10000	10000	I	IV
C6687	GK	Car.	10000	50000	I	I
C6689	LL	Car.	100000	100000	I	I
C6690	MM	Car.	100000	250000	I	I
C6691	MM	Car.	250000	250000	I	I
C6692	NN	Car.	250000	500000	I	I
C6693	NN	Car.	500000	500000	I	I

WW—Wire Wound element. Car.—Carbon element.  
Your Cost Each, Any Size ..... **\$1.47**

## Explanation Of Mallory Volume Control Tapers

- No. (1) For audio or antenna shunt circuits.
- No. (2) For series circuits such as cathode voltage controls.
- No. (3) For antenna shunt and "C" bias circuits.
- No. (4) Linear taper; for voltage divider circuits.
- No. (4a) Modified linear taper, similar to No. 4.
- No. (7) Wire wound element. For antenna and "C" bias.

## MALLORY-YAXLEY Encyclopedia 4th Edition

Newest, biggest, most valuable issue. Contains data on over 27,000 standard sets and answers practically all service problems. Since special type volume controls are not available for the duration, servicemen will find the section, especially valuable, which lists the correct universal control to be used for all standard make sets. Over 400 pages of 1F peaks, volume control data, vibrators, tubes, circuits, condensers, part numbers, etc. Measures 10 1/4" x 8 1/2". Wt. 2 lbs. **95¢**  
C19786—Your Cost

## COMPACT RHEOSTATS & POTENTIOMETERS

### TYPE C—2 WATTS



No.	Ohms	No.	Ohms
C6197	6	C6201	30
C6198	10	C6202	40
C6199	15	C6203	50
C6200	20	C6204	100

Your Cost Each, Any Type ..... **44¢**

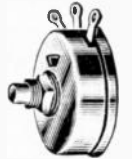
### POTENTIOMETERS

No.	Ohms	No.	Ohms
C6205	6	C6210	40
C6206	10	C6211	50
C6207	15	C6212	100
C6208	20	C6213	200
C6209	30	C6214	400

Your Cost Each, Any of the Above ..... **59¢**

### TYPE M—4 WATTS

Wire Wound. Controls ideal for use where space is limited. Contact arm is grounded to the shaft. Diam. 1 1/4", 1/4" shaft is 3/8" long.



No.	Ohms	No.	Ohms
C6480	1	C6486	20
C6481	2	C6487	25
C6482	3	C6373	40
C6483	6	C6174	50
C6484	10	C6175	60
C6485	15	C6176	75

Your Cost Each, Any Above Type ..... **44¢**

### POTENTIOMETERS

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

Your Cost Each ..... **59¢**

C6498	1000	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
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Your Cost Each ..... **\$1.18**

# VIBRATORS / FUSES / DIAL BELTS

## LITTELFUSES FOR TEST INSTRUMENTS



Protect delicate instruments. Break circuit immediately on reaching blow point. Length 1" diam. 1/4". May be used on 250 volts, AC or DC. High Speed action. **Type 8AG**

Stock No.	Rating Amps.	Max. Load Ma.	Res. on 5 Ma. Load Ohms	Your Cost Each	Your Cost Doz.	V-M Ohms Per V.	To Protect Milliammeters
C12339	1/200	5	500	18¢	\$1.95	over 1000	Galv.
C12385	1/100	10	110	<b>12¢</b>	<b>\$1.32</b>	1000	up to 0-1
C12386	1/60	25	20			500-1000	1-10
C12387	1/40	60	5			100-500	10-25
C12389	1/20	100	1.5			20-100	25-75
C12388	1/8	100	3	<b>9¢</b>	<b>\$1.00</b>	20-100	25-75
C12390	1/4	200	6.2			10-20	75-150
C12391	1/2	300	3.0			5-10	150-250
C12392	1/3	400	2.5			3-5	250-350
C12393	1/2	600	.4				350-500
C12394	1	1000	.24	<b>6¢</b>	<b>65¢</b>	500-750	
C12395	2	2000	.14			1000-1500	

## LITTELFUSES For Radio Sets and Amplifiers

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

Above, Each... **5¢**  
12 for... **54¢**

Above, Each... **9¢**  
12 for... **97¢**

## Radio and Auto Fuses

Type 3AG: 1 1/4" Tins of 5. May be assorted for quantity price.

**C13189—Specify Amperage**

1 Amp.	Per 5	Per 100
2	<b>16¢</b>	<b>\$2.90</b>
3	"	"
5	"	"
10	"	"
15	"	"
20	"	"
25	"	"
30	"	"

**10¢ \$1.80**

## LITTELFUSE Auto Fuses

Type 3AG. Ratings are at 25V. 1 1/4" x 1/4".

Type	Your Cost
C12320—5 amps.	<b>3¢ each</b>
C12321—10 amps.	
C12322—15 amps.	
C12323—20 amps.	

## Fuse Retainer



Two-piece connector of heavy metal, with fibre inside insulation. 2 1/2" long. Powerful spring contact.

**C12372—Each... 8¢**  
12 For... **80¢**

## "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 1/4" x 1/4" fuses (type 3AG). **C12327—Each... 12¢**

Panel Type Molded bakelite. 1 1/2" x 1 1/2" x 3/8". For 1" instrument type fuses only. Plated fuse clips.

**C12383—Your Cost... 9¢**  
Same as above, but for 1 1/4" x 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
C6114	221	2.79	C7284	285XS	4.94	C6063	826	3.18
C6165	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	294C, 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	W245A	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	C6107	510P	2.12	C7296	901M	1.76
C6120	G249	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
C6126	270B	4.20	C7290	728A	3.50	C6081	954	3.50
C6127	271	4.20	C6107	722	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 1/2"	Zenith	22 10 1/2"	RCA	49 15 1/2"	Zenith
2 7"	{Zenith	23 10 3/4"	{RCA	50 16 1/2"	RCA
3 7 1/2"	{Emerson	27 10 1/2"	{Airline	51 16 1/2"	Airline
4 8 1/2"	Belmont	28 10 3/4"	Zenith	56 7 1/2"	Emerson
6 7 1/2"	RCA	30 11 1/2"	{Fada	60 8 1/2"	Emerson
7 7 3/4"	Belmont	{Grunow	61 7 3/4"	Zenith	
10 8 1/2"	Fada	33 11 1/2"	RCA	62 8 1/2"	Emerson
11 8 3/4"	{Emerson	34 11 1/2"	Sparton	63 8 1/2"	Airline
12 8 3/4"	RCA	36 11 1/2"	{Crosley	64 10 1/2"	Airline
13 8 1/2"	{RCA	38 12 1/2"	Zenith	65 11 1/2"	Airline
14 8 3/4"	{Airline	39 12 1/2"	Admiral	67 12 1/2"	Admiral
15 9 1/2"	{Fada	40 12 1/2"	Zenith	68 17 1/2"	Admiral
16 9 3/4"	{Silvertone	41 12 1/2"	Fada	69 12 1/2"	Admiral
17 9 1/2"	RCA	42 12 1/2"	RCA	72 8 1/2"	Emerson
18 9 3/4"	{Zenith	43 12 1/2"	RCA	76 9 1/2"	Zenith
19 9 1/2"	{Airline	45 12 1/2"	Silvertone	77 13 1/2"	Zenith
18 10 1/2"	Zenith	46 13 1/2"	Zenith	79 11 1/2"	Zenith
19 10"	Emerson	47 14 1/2"	Sparton	80 9 1/2"	Zenith
20 10 1/2"	Garod	48 15 1/2"	{RCA	84 9"	Zenith
			{Arvin	87 10 1/2"	Admiral

C9909—(Specify Belt No.) Your Cost Each... **15¢**

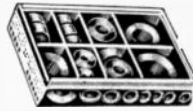
## Special Dial Drive Spring Assortment



A handy kit for the serviceman. Box contains six different sizes of hard to get dial drive tension springs. Total of 25 springs in all. Offered at an unusually low price. Shpg. wt. 1 lb.

**C9892—Per Kit... 59¢**

## Drive Rubbers



Eight different types of friction drive rubbers for popular receivers including: Atwater Kent, RCA, Stewart Warner, etc. Kit of 24 pieces.

**C9400—Per Kit... 84¢**

## Linen Dial Cable

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

Special Thin Cable	Light Cable	Heavy Cable
C9889 25 ft.	(approx. 1/8" diam.) 5 ft.	(approx. 1/8" diam.) 5 ft.
44¢	18¢	19¢
	25 ft.	25 ft.
	65¢	78¢
	100 ft.	100 ft.
	\$2.35	\$1.45
		2.65

## Phosphor Bronze Dial Cable

Maximum strength. 16strand type closely braided. 4.2 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	.11
C9937	16	25	.50
C9938	16	50	.95
C9881	16	100	1.85

## Dial Drive Springs

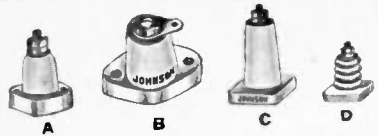
High grade steel wire rust-proof springs. Five sizes take care of all requirements. Kit of 10 Assorted Springs (all sizes). **24¢**

**C9890—Per Kit... 24¢**  
Kit of 10 Springs (small sizes only). **24¢**

**C9891—Per Kit... 24¢**

# 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	5/8"	6/32	5c
C16746	22	A	1"	8/32	6c
C16748	22J	B	1"	Jack	8c
C16745	20	A	1 1/8"	10/32	8c
C16744	20J	B	1 1/8"	Jack	11c
C17024	65	D	1 3/4"	10/32	15c
C17025	66	C	2 3/4"	1/4-20	24c
C17026	67	C	4 1/2"	1/4-20	35c

### Strain Insulator



A 1 1/2" strain insulator loaded in compression for greater tensile strength.

C17175—Your Cost Each ..... 4¢  
10 For ..... 36c

## JOHNSON Thru-Panel Insulators

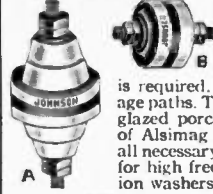


Made of white glazed porcelain; non-hygroscopic. Feature great mechanical strength and increased breakdown voltage. Flat mounting surfaces with cushion washers eliminates breakage. All have longest possible leakage path. Jack types have terminals permitting connection above as well as below the panel. 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.

Stock No.	Type No.	Top Ht.	Bot. Ht.	Panel Hole	Hardware	Your Cost
C16736	40	1 1/4"	1 1/2"	1/2"	10/32	18c
C16737	40J	1 1/4"	1 1/2"	1/2"	Jack	21c
C16738	42	1 3/8"	1 3/4"	1/2"	10/32	14c
C16739	42J	1 3/8"	1 3/4"	1/2"	Jack	17c
C16740	44	1 5/8"	1 7/8"	3/8"	6/32	11c
C16741	45	1 3/4"	1 7/8"	3/8"	10/32	24c
C16742	45J	1 3/4"	1 7/8"	3/8"	Jack	26c

We can supply any Johnson products not listed here, at standard discounts from the list price. Just send in your order, or write for information.

## JOHNSON Lead-In Bushings



For antenna lead-in bushings, panel bushings, and other applications where insulating mounting is required. Feature long leakage paths. Type A made of white glazed porcelain, type B made of Aismag 196; provided with all necessary hardware. Suitable for high frequency work. Cushion washers furnished.

Stock No.	Type No.	Fig.	Ht.	Dimensions Dia.	Lth.	Your Cost
C17020	50	A	1 1/2"	1 3/4"	2 3/8"	12c
C17021	51	A	1 3/4"	1 3/4"	2 3/8"	22c
C17022	52	A	1 3/4"	1 3/4"	4 3/4"	25c
C17023*	55	B	1 1/2"	1 3/4"	1 1/4"	15c

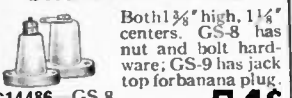
\*—Made of Aismag 196.

## JOHNSON Feeder Spreaders

White glazed porcelain.

Stock No.	Type No.	Fig.	Length	Your Cost
C17027	—	—	2" Long. Each	9c
C17028	—	—	1" Long. Each	12c
C17029	—	—	6" Long. Each	15c

## National Steatite Stand-Offs



Both 1 1/8" high, 1 1/4" centers. GS-8 has nut and bolt hardware; GS-9 has jack top for banana plug.

C14486—GS-8. Each ..... 54¢  
C14487—GS-9. Your Cost Each ..... 75¢

## Steatite "Cones"

Small units tapped 8/32 at each end; GS-6 and GS-7 tapped 10/32.

No.	Type	Height	Each
C14493	GS-10	3/4"	7c
C14483	GS-5	1 1/2"	24c
C14484	GS-6	2 1/2"	42c
C14485	GS-7	3"	75c

## NATIONAL Shaft Couplings and Bushings



A (Coupler)		B (Extender)	
Sizes	Fig.	Insul.	Brass
1/2 x 1/2"	A	C15014	C15000
3/8 x 3/8"	A	C15006	C15001
1/2 x 3/8"	A	C15008	C15002
1/2 x 1/2"	B	C15017	C15004
1/2 x 3/8"	B	C15018	C15005
1/2 x 1/2"	B	C15009	C15003

Your Cost, Any Type ..... 12c  
10 For ..... \$1.08

**Split Bushing**  
Type C. For increasing shaft diam. from 1/2" to 3/4". Brass. 1 1/2" long.  
C9730—Your Cost Each ..... 6c  
10 For ..... 54c

## Brass and Fibre Shaftings

Fine for extensions. 1/4" diam.  
C15010—6" Brass ..... 12¢  
C15011—6" Fibre ..... 23¢  
Your Cost .....  
C15012—12" Brass ..... 23¢  
C15013—12" Fibre ..... 23¢  
Your Cost ..... 23¢

## Flexible 1/4" Shaft Coupler

For use in coupling two 1/4" shafts or for extending a shaft at an offset angle. Insulated.

C9751—Bakelite. Your Cost Each ..... 30¢  
C9750—Ceramic. Each ..... 38¢

## 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 1/2" x 1 1/2"; dia. of glass 1 1/2". Flashover value 22.5 and 58 kv. respectively (when dry). Shpg. wt. 2 lbs. 3" high. No. 67106.

C16808—Each ..... \$1.80  
7" high. No. 67107.  
C16809—Each ..... \$2.00

## Flexible Shaft Couplings

Insolantite insulation with short length of flexible shafting. Will drive shaft at any angle up to 90°. Takes 1/4" shafts.

Shpg. wt. each, 8 oz.  
C14530—TX-12. 4 1/2". Your Cost Each ..... 84¢  
C14529—TX-13. 7 1/2". Your Cost Each ..... 99¢  
C14531—TX-11. Without insolantite insulation. 4 1/2". Your Cost Each ..... 42¢

**Solid 1/4" Shaft Couplings:** Solid insolantite.  
C14501—TX-1. 1 1/4". Ea. 66¢  
C14502—TX-2. 3 1/4". 75¢  
Your Cost Each ..... 75¢

## NATIONAL Shaft Couplings

All take 1/4" shafts.  
TX-8: Insolantite 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 3/8" panels.

No.	Size	Each
C9563	3" long. 1/4" Shaft	22c
C9562	6" long. 1/4" Shaft	27c
C9564	Bearing only	11c

## PYREX Double Lead-Ins

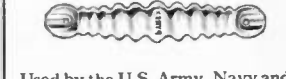
Have high dielectric strength and low loss. Flanges are wide and flat. Supplied with two rubber gaskets for watertight seal, four jam nuts, two metal washers and two rubber washers. Will provide for better operation under adverse conditions.

No.	Type	O.D.	Rod	Each
C16813	67104	2 1/2"	15"	\$1.76
C16814	67105	2 1/2"	20"	1.84
C16817	67115	6 3/8"	15"	2.80

## ICA FEED-THROUGH INSULATOR

C16733—3/4" High, require 3/8" Mtg. Hole ..... 12c

## PYREX Insulators



Used by the U.S. Army, Navy and commercial services. Finest glass insulators made. Long life.

No.	Type	In.	Rating	Each
C16805	67007	3 3/8"	Med.	\$0.20
C16806	67017	7 1/2"	1/4 Kw.	.79
C16807	67021	12 1/2"	1 1/2 Kw.	2.40

## ICA Standoff Insulators

Made of white glazed insulox.

C16730—1" High. 7c  
C16731—1 1/4" High. 9c  
C16732—1 3/4" High. 11c

## Reliance Midget Single Gang Condensers

With all the features and characteristics of larger units. Ideal for limited space apparatus. Rotor and stator plates, firmly staked into position. Lo-loss bakelite insulation. Improved ball bearing. Counter-clockwise rotation for all types. 1/2" shafts. 1 1/2" x 1 1/2" x 1 1/2" deep. Less trimmers. Wt. 1 lb.

No.	Mmfd.	Each	No.	Mmfd.	Each	No.	Mmfd.	Each
C10189*	15		C10193*	75		C10197	365	
C10190*	25		C10194	100	79¢	C10198	410	
C10191*	35	79¢	C10195	150		C10199	450	85¢
C10192*	50		C10196	250	85c			*—Double spaced.

## Reliance Gang Condensers

All feature aluminum plates, ball bearing rotors and ceramic insulation. Two and three gang units supplied with trimmers on the bottom. Shafts 1/2" dia., 1 1/2" long. Three mounting holes front and rear tapped for 6/32 screws. All 1 1/2" high, 1 1/2" wide. Shpg. wt. 1 lb. All 365 mmmfd. per section except cut sections on 456 Kc Super types.

No.	Each	Gangs	Length	Rotation	456 Kc Super
C9780	\$1.10	1	1 1/2"	counter-clock	No. Each
C9781	1.39	2	2 1/2"	counter-clock	C9798 \$1.39
C9782	2.05	3	3 1/2"	counter-clock	C9799 2.05
C9783	1.10	1	1 1/2"	clockwise	
C9784	1.39	2	2 1/2"	clockwise	C9796 1.39
C9785	2.05	3	3 1/2"	clockwise	C9797 2.05

## ICA Midget Condensers

For communications receivers and transmitters. Compact, rugged and highly efficient. Ceramic insulation, sturdy lug terminals, single hole mounting feature, etc. 1/4" shaft plated to resist corrosion. With mounting nut. Shpg. wt. 1 lb.

C9728—Capacity 3.5 to 25 mmmfd. 4 plates. Each ..... 76c  
C9731—Capacity 6 to 80 mmmfd. 11 plates. Each ..... 88c  
C9727—Capacity 6 to 100 mmmfd. 14 plates. Each ..... 94c  
C9714—Capacity 7 to 140 mmmfd. 19 plates. Each ..... \$1.03





# TRANSMITTING DIALS and KNOBS

## GORDON Hand Wheels



Bakelite Wheel with pointer. Fits all  $\frac{1}{8}$ " shafts. Tuning controls that will add to the appearance of 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... \$1.09

**C14644**— $1\frac{1}{2}$ " Wheel and Pointer with 180° scale. Each... \$0.76

**C14645**— $1\frac{1}{2}$ " 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**— $1\frac{1}{2}$ " **Your Cost**... 53c

## ICA Miniature Dials



Chrome Silver dials with black etched numerals. Equipped with finger grip black knob. Only  $1\frac{1}{2}$ " Diameter. Fit  $\frac{1}{8}$ " 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**

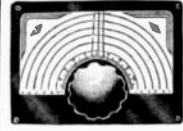
## Precision Vernier Dials



Have etched calibrations graduated from zero to 100. Large flanged knob has bushing for  $\frac{1}{8}$ " knob-shafts. Shpg. wt. 1 lb.

No.	Dia.	Rotation	Each
<b>C14236</b>	4"	325°	\$1.62
<b>C14237</b>	2"	325°	1.23
<b>C14238</b>	4"	180°	1.62
<b>C14239</b>	2"	180°	1.23

## 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 $\frac{1}{2}$ ". For  $\frac{1}{8}$ " shafts.

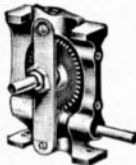
**C14474**—Wt. 2 lbs. **Each**... \$3.00

## MILLEN Worm Drive

Right-angle worm drive assembly for variable condensers, etc. May be panel or base mounted. Ratio 16 to 1. Frame of cast aluminum. Employs spring-loaded split gears which eliminate back lash. Driveshaft  $\frac{1}{2}$ " diam., geared shaft  $\frac{1}{4}$ " dia., couples to condenser by means of flexible coupling (not supplied). Excellent for transmitters and receivers. Shpg. wt. 2 lbs.

**C8000**—Type 10,000 **\$4.50**

**Your Cost Each**...



## "B" Type Vernier Dial

Ratio variable from 6:1 to 20:1. Black Bakelite shell, 4" diam.

**C14367**—Clock 200-0 in 360°

**C14368**—0-100-0; 180°

**Your Cost \$1.80**

**C14352**—Dial illuminator... 33c

**TYPE "BM"**—Similar to above but without variable ratio. 3" dia.

**C14371**—0-100-0; 180°

**C14372**—Clockwise, 200-0; 360°

**Your Cost Each \$1.65**

**Either Type**...



## NATIONAL R & O Dials



**Type R**— $1\frac{1}{8}$ " Dial. Etched nickel silver, used on many receivers. 180 degrees. Marked 0-10. For  $\frac{1}{8}$ " 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  $\frac{1}{8}$ " shaft. Shpg. Wt. 10 oz.

**C14567**—**Your Cost**... 99c

## JOHNSON Shaft Couplings



(A) & (B) Ultradielectric insulated units. Flexibility is obtained by cadmium plated phosphor bronze spring. (C) A solid insulated Ultradielectric unit. Long leakage path and accurate alignment. (D) Cadmium plated brass compression unit.

Stk. No.	Shaft	Diam.	Each
<b>C14313*</b>		1"	7c
<b>C14314*</b>		2"	82c
<b>C14315*</b>		2"	82c
<b>C14316*</b>	$\frac{1}{4}$ and $\frac{3}{8}$ "	2"	82c
<b>C14317†</b>		1"	44c
<b>C14318†</b>		$\frac{1}{2}$ "	9c

\*A & B type. †C type. ‡D type.



## 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 $\frac{1}{2}$ ". Wt. 1 lb.

**C8078**—**Your Cost**... \$1.00



**C14363**—Counter-clock, 0-100, 180°

**C14364**—Clockwise 100-0, 180°

**C14365**—Clockwise 150-0, 270°

**C14366**—Clockwise 200-0, 360°

**Your Cost \$4.50**

## MilLEN Flexible Coupling

For angle drive up to 45°. Steatite insulated, for  $\frac{1}{8}$ " shafts.

**C8039**—**Your Cost 36¢**



## 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
<b>C14184</b>	180	2"	43c
<b>C14191</b>	325	2"	43c
<b>C14192</b>	180	3 $\frac{1}{2}$ "	67c
<b>C14193</b>	325	3 $\frac{1}{2}$ "	67c
<b>C14194</b>	180	4"	76c
<b>C14195</b>	325	4"	76c

## 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

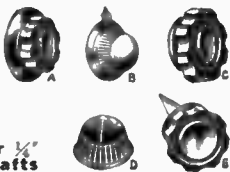
## MILLEN Dial Lock

Rotation of knob depresses finger which firmly clamps dial without imparting any rotary motion. Nickeled brass.

**C8079**—**Your Cost 45¢**



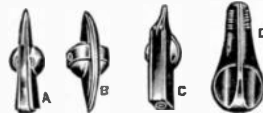
## X'MITTER Knobs



Black bakelite (except\* which are black lacquered wood).

No.	Type	Size	Each	10 For
<b>C13022</b>	A	1 $\frac{1}{2}$ " d.	23c	\$2.07
<b>C13018</b>	A*	1 $\frac{1}{2}$ " d.	12c	1.08
<b>C13004</b>	A	1 $\frac{1}{2}$ " d.	26c	2.34
<b>C13017</b>	A*	2 $\frac{1}{2}$ " d.	16c	1.44
<b>C13011</b>	A	2 $\frac{1}{2}$ " d.	35c	3.15
<b>C13010</b>	A	3" d.	44c	3.96
<b>C9896</b>	B	1 $\frac{1}{2}$ " d.	16c	1.44
<b>C13014</b>	C	1 $\frac{1}{2}$ " d.	17c	1.53
<b>C13005</b>	C	1 $\frac{1}{2}$ " d.	21c	1.89
<b>C13013</b>	C	1 $\frac{1}{2}$ " d.	27c	2.43
<b>C13012</b>	C	2 $\frac{1}{2}$ " d.	30c	2.70
<b>C9885</b>	D	1 $\frac{1}{2}$ " d.	10c	.90
<b>C9886</b>	D	1 $\frac{1}{2}$ " d.	10c	.90
<b>C13007</b>	E	1 $\frac{1}{2}$ " d.	34c	3.23
<b>C13008</b>	E	1 $\frac{1}{2}$ " d.	46c	4.37
<b>C13009</b>	E	2 $\frac{1}{2}$ " d.	54c	5.13

## Pointer and Lever Knobs



Polished Black bakelite. All have filled pointers except "D" (has ridged top). For  $\frac{1}{8}$ " shafts.

No.	Lth.	Ht.	Type	Each	10
<b>C13027</b>	2 $\frac{1}{2}$ "	5 $\frac{1}{2}$ "	(A)	7c	59c
<b>C13028</b>	1 $\frac{1}{2}$ "	5 $\frac{1}{2}$ "	(A)	6c	55c
<b>C13029</b>	2 $\frac{1}{2}$ "	5 $\frac{1}{2}$ "	(B)	9c	85c
<b>C13055</b>	2 $\frac{1}{2}$ "	5 $\frac{1}{2}$ "	(C)	7c	59c
<b>C13052</b>	2 $\frac{1}{2}$ "	5 $\frac{1}{2}$ "	(C)	8c	75c
<b>C13053</b>	1 $\frac{1}{2}$ "	5 $\frac{1}{2}$ "	(C)	5c	45c
<b>C13024</b>	1 $\frac{1}{2}$ "	9 $\frac{1}{2}$ "	(C)	7c	65c
<b>C9650</b>	1 $\frac{1}{2}$ "	1 $\frac{1}{2}$ "	(D)	7c	65c
<b>C9651</b>	2 $\frac{1}{2}$ "	5 $\frac{1}{2}$ "	(D)	8c	75c

\*Red Bakelite.

## Radio Set Bakelite Knobs



Molded and polished walnut bakelite knobs for  $\frac{1}{8}$ " shafts. All are set screw type except those marked with \* which are push-button knobs.

Type	No.	Dia.	Each	10 For
C	<b>C9736</b>	3 $\frac{1}{2}$ "	5¢	40¢
C	<b>C9737</b>	3 $\frac{1}{2}$ "	7¢	65¢
D	<b>C9660</b>	1 $\frac{1}{2}$ "	7¢	65¢
E	<b>C9657</b>	1 $\frac{1}{2}$ "	8c	72c
F	<b>C9655</b>	1"	8c	72c
G*	<b>C9661</b>	3 $\frac{1}{2}$ "	3¢	25¢
H*	<b>C9696</b>	3 $\frac{1}{2}$ "	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 cabinet, and the knob. Have one in your shop and in your tool kit!

**C15042**—**Your Cost**... 15c



## Etched Metal Plates

Raised letters on a black etched background. All 1 $\frac{1}{2}$ " wide by  $\frac{3}{8}$ " high.

**With following markings:**



A.C. Input	Modulator Grid
Amp. Grid Curr.	Modulator Plate
Amp. Screen Curr.	Monitor
Antenna	Oscillator
Buffer Plate Curr.	Osc. Plate Curr.
1st Buffer Grid	Output
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. C9898—Any Type, Each... 7¢**

10 For (any selection)..... 63c

## Dial Plates

Fine etched metal black dial plates, calibrated 0-10 in 300°. 2 $\frac{1}{2}$ " high by 1 $\frac{1}{2}$ " wide, with four mounting holes.



**Plain Tone Record Gain Microphone**

**Specify marking desired. C9904—5 For \$1.08, Ea. 24¢**

# RADIO ESSENTIALS

## MUELLER Clips and Plastic Insulators



Spring actuated clips for lab., test and battery uses. Type 27 and 27C are laboratory types with mesh teeth on three sides, others have teeth in front only. New Plastic insulators cover entire clip as shown. Listing below shows insulators opposite proper size clip. All packed 10 to a box; clips are marked + and - (5 each), insulators 5 red and 5 black.

CLIPS				INSULATORS			
No.	Type	Size	Each 10 For	No.	Type	Each 10 For	
C16029*	45	1 1/2"	4c \$0.32	C16031	47	8c	\$0.55
C16030†	45C	1 1/2"	6c .54	C16031	47	8c	.55
C16032*	48B	2"	4c .34	C16033	49	9c	.59
C16034†	24A	3"	8c .68	C16035	26	19c	1.27
C16026*	27	2 1/2"	8c .68	C16028	29	12c	.82
C16027†	27C	2 1/2"	13c 1.17	C16028	29	12c	.82
C16018†	21A	4"	13c 1.17	C16019	23	33c	2.25

\*Cadmium plated steel. †Lead coated steel. ‡Solid copper.

### No. 85T Mueller Crocodile Tip Clip

For connecting Bridges, Voltmeters, etc., or anything having binding posts with non-removable heads. Fine for test prods.

C16023—Your Cost Each.....

No. 85. As above, less phone tip.

C16020—Your Cost Each.....

Plastic insulator for either of the above No. 87

C16021—Your Cost Each.....



13¢ 10 For 94c  
5¢ 10 For 44c  
6¢ 10 For 36c

### MUELLER Wee-Pee-Wee Clip

Non-Ferrous R.F. Clip. Will not heat in high frequency circuits. Ideal for tapping coils. Length 1 1/4". Completely insulated with Red or Black jacket (specify color desired. No. 88-93).

C16022—Your Cost Each.....



14¢ 10 For \$1.21

### FAHNESTOCK Clips



Type A, Screw Mount, Double Clip.  
Type C, Screw Mount, Single Clip.

Stock No.	Type	Lgth. Ins.	Per Doz.	50 For
C14823	C	3/4"	9c	33c
C14824	C	1"	10c	38c
C14825	A	1 1/4"	29c	\$1.10
C14826	A	1 1/2"	30c	\$1.15

### Battery Clips

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

C16060—1 1/2" long.  
C16061—2" long.  
Either type—10 for 25c.

C16062—2 1/4" long.  
10 For 42c. Each  
C16063—3 3/4" long.  
10 For 55c. Each



3¢ 5¢ 6¢

### 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	50 For
C14775	1 1/2"	5c	7c
C14776	1"	5c	7c
C14777	1 1/2"	6c	7c
C14803	10/32 x 1 1/2"	6c	7c
C14824	10/32 x 1 1/2"	10c	12c
C14825	10/32 x 1 1/2"	10c	12c
C14826	10/32 x 1 1/2"	10c	12c

### 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.  
C14909—1/2 x 1/2" 20c 2 1/2c  
C14910—1/2 x 3/8" 25c 3c  
C14911—1/2 x 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¢

### Hole Plugs

10 asst. sizes snap button hole plugs in cellophane envelope. Handy for plugging up holes in panels, chassis, etc.  
C14837—Your Cost 26¢  
Per 10 Asst.

### Cable Clamps

Heavy gauge steel. No. 6 mtg. hole. Plated.  
C14951—1/4" cable. 4 For... 3c  
C149 52—1/2" cable. 3 For... 5c

### JOHNSON Spring Clip

For inductor coils of all kinds. Will take wire from #20 to #10 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 1/8" 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¢

### MILLEN 807 Tube Clamp

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

### 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

Insulantite covered grid cap, for transmitting tubes. Type 866 etc.  
C8055—Type 36001  
Your Cost Each... 21¢

### Screen Grid Clips

Miniature Clips for Metal Tubes. With wire ferrule.  
C14985—Per Doz. 14c  
Your Cost Ea... 2¢  
For Glass Tubes  
For Standard Glass Tubes.  
C14827—12 For 100 For  
Each... 2¢ 14c 99c

### "Form-Fit" Shields

Smooth, seamless drawn walls assure a snug, positive fit on the tube. Vertical grooves provide flexible fit, and the shield automatically grounds to the tube base on metal based tubes.

For GT tubes: 1.218" base.  
C13256—Open top.  
C13257—Closed top.  
For GT/ G tubes: 1.165" base.  
C13246—Open top.  
C13247—Closed top.  
For Loktal Tubes:  
C13247—Closed top.  
Each, Any Type Above... 3¢  
10 For... 25c

### Metal Tube Grip Cap Shields Improved Type

For use with screen grid metal tubes. Bakelite insert prevents shorting.  
C13216—Your Cost Ea. 15¢  
10 for... \$1.38  
Regular type without insert  
C13217—Your Cost, Each... 9¢  
10 for... 80c

### Friction Tape

Highest quality. Ideal for service-men, mechanics and electricians. Packed in individual boxes. Handy rolls.  
C14829—2 Oz. Each... 9c  
C14842—1 Oz. Each... 15c  
C14843—8 Oz. Each... 25c

### JOHNSON Tube Locking Clamp

Heavily plated steel band with integral locking device and mtg. bracket! Will hold tube securely in place under conditions of heavy vibrations and shock. Suitable for 1 1/2" diam. tube.  
C13157—Your Cost Each... 18¢

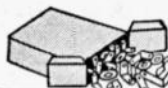
### NATIONAL Grid Clips

Type A. Easily removed. Tinned grip end for soldering.  
No. Type Tubes Dia. Each  
C14434 Stand. Glass 3/8" 3c  
C14585 Metal (octal) 1/2" 3c  
C14441 X'mitting\* 3/8" 6c  
\*-866, T20, 809, 812, etc.

Type B. Safety Grip of molded low-loss R39. 3/8" dia. For 866, T20, 809, etc.  
C14597—Each... 24¢  
Like above, but ceramic. 24¢  
C14598—Each... 24¢  
As above, but ceramic and 3/8" diameter.  
C14599—Each... 21¢

### Heat Radiating Grid and Plate Caps

Use at terminals of x'mitting tubes. Protects glass.  
C14377—For HK-24... 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
C14756	6-32	3c	20c
C14757	6-32	3c	23c
C14758	6-32	4c	27c
C14759	6-32	4c	29c
C14760	6-32	4c	34c

Stock No.	Length	Doz.	Gross
C14761	6-32	3c	20c
C14762	6-32	3c	23c
C14763	6-32	4c	27c
C14764	6-32	4c	29c

Stock No.	Size	Lgth.	Doz.	100 Lots
C14680	6-32	3/4"	9c	60c
C14681	6-32	1"	10c	65c
C14682	6-32	1 1/4"	11c	75c

Stock No.	Size	Length	Doz.	Gr.
C14780	4	1/2"	4c	40c
C14781	5	3/4"	5c	50c
C14782	5	1"	6c	60c
C14783	5	1 1/4"	8c	80c

## Hex Nuts, Knurled Nuts, Washers, Popular Sizes

C14804	6-32x 1/4"	hex. nuts	5¢
Envelope of 20; Net.....			19c
C14805	8-32x 1/4"	hex. nuts	5¢
Envelope of 20; Net.....			20c
C14806	6-32x 3/8"	hex. nuts	5¢
Envelope of 15; Net.....			25c
C14807	8-32x 3/8"	hex. nuts	5¢
Envelope of 15; Net.....			25c
C14803	10-32x 3/8"	hex. nuts	10¢
Envelope of 20; Net.....			45c
C14808	6-32x 1/2"	knurled Nuts	10¢
Env. of 25; Net.....			51.35
C14809	No. 6	washers	5¢
C14810	No. 8	washers	5¢
Either } Env. of 25; Net.....			19c
Above } Per 100.....			

Stock No.	Size	Lock Washers	Price
C14758	#6	Lock washers	6¢
C14759	#8	Lock washers	6¢
Either type			
Envelopes of 25.....			20c

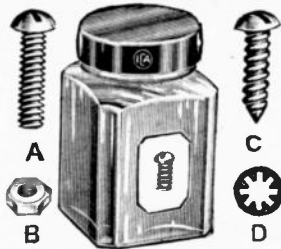
Stock No.	Size	Knob Set Screws	Price
C14786	1/4"x6-32	Knob set screws	15¢
C14787	1/4"x8-32	Knob set screws	15¢
C14788	1/4"x6-32	Knob set screws	15¢
C14789	1/4"x8-32	Knob set screws	15¢
Any Size Above, 10 For.....			65c
50 For.....			

Stock No.	Size	Snap-in Trimounts	Price
C14839	40	Asst.	29¢

Stock No.	Thread	Per 10	Price
C12926	6-32		33¢
C12927	8-32		33¢
C12928	10-32		33¢
C12929	1/4"-20		33¢
Per 100 (assorted)			\$2.97

## SERVICE SHOP ESSENTIALS

### RADIO HARDWARE IN JARS



The most convenient, neatest way to keep your small hardware—in glass jars with screw-on caps.

**Your Cost, 35¢**  
**Any Jar, \$1.65**  
 5 Jars for.....  
 C14675—Jar only..... 6c

### Round Head Machine Screws (A)

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

### P-K Tap Screws (C)

Stock No.	Quantity	Size	Price
C14665	50	No. 4x 1/4"	
C14666	50	No. 6x 1/4"	
C14667	45	No. 6x 3/8"	
C14668	40	No. 7x 1/2"	
C14669	35	No. 10x 1/2"	
C14670	45	No. 10x 3/4"	

### Hexagon Nuts (B)

Stock No.	Quantity	Size	Price
C14661	110	4-36x 1/4"	
C14662	110	6-32x 1/4"	
C14663	90	6-32x 3/8"	
C14664	90	8-32x 3/8"	

### Washers (D)

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—wood screws—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**

### Rivet and Eyelet Asst.

Special assortment of 50 popular size rivets and eyelets to fasten sockets, etc.

**C14840—50 Asst. Your Cost..... 21¢**

**Escutcheon Pins**  
 Antique finish—1/8" long. For fastening all types of escutcheons or nameplates.  
**C14811—Per 100 Your Cost..... 14¢**

**Escutcheon Screws**  
 Round head, antique finish, 1/8" long. Fits any type escutcheon.  
**C14934—No. 2 size Per Gross..... 29¢**

**1/4" Metal Spacers**  
 For raising components above chassis or away from panel. All pass, Nos. 4, 6 and 8 screws. All  
 Stock Height For Lots of  
 No. Inches Ten 100  
 C9868 1/4" 21c \$1.89  
 C9869 3/8" 25c 2.30  
 C9870 1/2" 29c 2.70  
 C9871 3/4" 33c 3.10

**Wing Nuts**  
 Sturdy, well made. Have numerous uses.  
 Stock No. Thread Per 10 Price  
 C12926 6-32 33¢  
 C12927 8-32 33¢  
 C12928 10-32 33¢  
 C12929 1/4"-20 33¢  
 Per 100 (assorted) \$2.97

### Insulating Washers

Of fibre. Used for metal panel and chassis mounting of parts.

Stock No.	O.D.	I.D.	Per 10	Per 100
C15020	1 1/8"	7/8"	8c	72c
C15021	1 1/4"	7/8"	7c	62c
C15022	1 1/2"	7/8"	6c	52c
C15023	1 3/8"	7/8"	6c	52c
C15025	1 1/2"	1 1/8"	6c	52c
C15026	1 3/8"	1 1/8"	5c	45c

### Assorted Fibre Washers

Contains 100 plain and shoulder type to fit Nos. 6, 8 and 10 screws, as well as 1/4", 3/8" and 1/2" holes.  
**C14832—Shpg. wt. 8 oz. Your Cost Per Box..... 32¢**

**Bumper Feet**  
 Of felt, with No. 6 P-K screw for mounting. Felt is permanently clamped in place by metal ring 1/4" in diam.  
**C14757—Your Cost Each..... 2¢**  
 10 For..... 19c  
 50 For..... 89c  
 100 For..... \$1.60



**Soldering Lugs \$2.20 Per Thousand**

C14812—No. 1. C14813—No. 2.  
 C14814—No. 3, solderless type.  
 C14816—No. 4, 1/2" long.  
 C14818—No. 5, 1/2" long.  
**Your Cost per 100, 24¢**  
**Any Type Lug..... 24¢**

**Tapered Lugs**  
 Fits over all screws up to No. 10; shank fits banana plugs 1 1/4" 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¢**

**Colored Grommets**  
 Hard insulating composition; with knurled nut; in red or black. For instruments, etc.  
**Red Black Hole Diam. L. Your Cost Per Doz. 91¢**  
**Either Color..... 91¢**  
**C14690 C14691 3/8" 1/2" 1/4" 3/16" Your Cost Per Doz. 97¢**  
**Either Color..... 97¢**  
**C14692 C14693 1/4" 3/8" 1/2" 3/16" Your Cost Per Doz. \$1.16**  
**Either Size..... \$1.16**

**Rubber Grommets**  
 Insulate holes in 1/2" metal panels, chassis, electrical appliances, etc.  
 Stock Fits Inside Per No. Hole Diam. Doz. 100  
 C14765 1/4" 3/8" 9c 60c  
 C14766 3/8" 1/2" 16c 65c  
 C14768 1/2" 3/4" 21c 70c  
 C14769 3/4" 1" 22c 75c

**Rubber Grommet Kits**  
 Available in two assortments—kit "A" contains 12 assorted grommets in 4 sizes—3/8", 1/2", 3/4", 1".  
 1/2" Kit "B" contains 30 assorted grommets in 4 standard sizes—1/4", 3/8", 1/2", 3/4".  
**C14794—Assort. "A". Your Cost..... 15¢**  
**C14795—Assort. "B". Your Cost..... 27¢**

**Right Angle Brackets**  
 Made of heavy metal strip; width is 1/2". Very sturdy.  
 Stock No. Size Ea. For 10  
 C14895 1/2" x 1/2" 1c 8c  
 C14896 3/8" x 3/8" 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

**Assorted Brackets**  
 Box of 28 of the most popular angles and brackets used in radio. Made of heavy metal.  
**C14838—Your Cost..... 32¢**



# BINDING POSTS PLUGS JACKS CLIPS

## EBY Binding Posts Non-Removable Tops



Specially designed for use on metal chassis. Post has hole for wire or phone tip.  
**C13082—Junior Post** Has 6-32 stud,  $\frac{1}{2}$ " long.

**Your Cost Each 13¢**

**C13083—Ensign Post** Has 6-32 stud,  $\frac{3}{8}$ " long.  
**Your Cost Each 21¢**

**C13084—Commander Post** Has 8-32 stud,  $\frac{1}{2}$ " 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 6¢**

## Spring Clamp Binding Post Assembly

Mounted on Bakelite strip 2" long,  $\frac{1}{16}$ " wide. Centers  $1\frac{1}{16}$ ". Marked "Ant" and "Gnd".  
 10 for \$1.35  
**C13049—Your Cost 15¢**

**Standard Tip Plug** Fine Quality  
**C14881—10 For 13¢**  
 Per 100.....\$1.17

## Solderless Insulated Phone Tip Plugs

Solderless Overall size  $\frac{1}{8}$ " type: fit all standard tip jacks. Used on test leads. In red or black; specify color. Ea.

**C12973—1 $\frac{1}{4}$ " long prod. } 10¢**  
**C12974—1 $\frac{1}{2}$ " long. } 10¢**  
 Per Dozen, Either Type.....\$1.08

## Plain Solderless Phone Tip Plugs

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. } 18¢**  
**C12984—(B) Red. } 24¢**  
**C12985—(B) Black. } 24¢**

## 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—Your Cost 11¢**  
 10 For.....98¢

## Plain Banana Jacks and Plugs

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

**C12919—Plug. Each 7¢**  
 10 For.....62¢ 100 For.....\$5.60  
**C12923—Jack. Each 6¢**  
 10 For.....54¢ 100 For.....\$4.90

## Alligator Clips

Powerful grip. Ends take banana plugs. 2" clip is  $\frac{1}{4}$ " wide, 2 $\frac{3}{4}$ " clip is  $\frac{3}{8}$ " 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 R.F. work. Has set screw.  
 No. Length Each 10 For  
**C12947 2" 8c 68c**

## Insulated Alligator Clips

Plated metal grips with insulated handles that take banana plugs. Handles in red or black; specify. Steel non-rusting finish.

No. Length Each 10 For  
**C12911 2 $\frac{1}{4}$ " 12c \$1.08**  
**C12909 3 $\frac{1}{2}$ " 13c 1.17**  
**C12949\* 2 $\frac{1}{2}$ " 13c 1.17**

\*Copper—with bronze spring.

## Alligator Phone Tip Jack

Alligator clip fitted with standard phone tip jack. Fits test prods equipped with phone tip ends.

Red or black—specify color.  
**C12880—10 For \$2.05**  
**Your Cost Each 23¢**

## Test Prods



High grade insulated prods, available with three different types of tips. **Type A** is standard solderless phone tip with knurled collar; **Type B** has chuck and nut to hold plain phone needle; **Type C** has banana plug to fit standard banana jack. Red or Black—specify color.

**SOLDERLESS PROD (A)**  
 No. Length Each  
**C12881 5 $\frac{1}{2}$ " 29c**  
**C12884 6 $\frac{3}{4}$ " 35c**

**PHONO NEEDLE TIP (B)**  
**C12868 4 $\frac{1}{4}$ " 29c**  
**C12869 5 $\frac{3}{8}$ " 35c**

**BANANA PLUG TIP (C)**  
**C12912 2 $\frac{1}{4}$ " 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  $1\frac{1}{4}$ ". Red or black; specify color.

10 For 90¢  
**C12917—Each 10¢**

## Beryllium Banana Plugs

Signal Corps approved. Used on all government equipment. Made of Beryllium copper. Rivet shank of plug can be turned over without splitting. Shank  $\frac{1}{4}$ " long,  $\frac{1}{8}$ " diam.

**C13181—Overall size  $1\frac{1}{8}$ ".**  
**Your Cost Each 12¢**

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

## Jones Series 101 Plugs and Sockets

Completely shielded single contact plugs and sockets. Ceramic insulation used on plug, and XX bakelite used on socket. For use with  $\frac{1}{4}$ " or  $\frac{3}{8}$ " cables. Ideal for antenna or microphone connectors.

**C12445—Jones P101  $\frac{1}{4}$ " plug. Each 26c**  
**C12446—Jones S101  $\frac{1}{4}$ " socket. Each 24c**  
**C12447—Jones P101  $\frac{3}{8}$ " plug. Each 32c**  
**C12448—Jones S101  $\frac{3}{8}$ " socket. Each 24c**

## MALLORY 520 Series Round Head Jacks

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

**C6534—Red } 12¢**  
**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 single  $\frac{3}{8}$ " hole.

**C6505—Red 12¢**  
**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¢**  
**C12878—Black } 11¢**  
 10 For 99c

## All Insulated Tip Jack

Countersunk  $\frac{1}{8}$ " d. head.  $\frac{3}{4}$ " overall. Fits  $\frac{3}{8}$ " hole. Bronze spring.

**C12934—Red } 9¢**  
**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¢**

## Insulated Tip Jacks

Have new type springs which provide sure grip contact. Mounts in  $\frac{3}{8}$ " hole. In red or black. Specify color.

**C12879—Each 9¢**  
 12 For.....97c

## Combination Jack

New type, takes both phono tips and banana plugs. Fully insulated, with insulating 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.

**C12946—Your Cost 6¢**  
 12 For.....65c

## Plain Tip Jacks

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

**C12918—Your Cost 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**  
**Your Cost 8¢**  
 10 For.....72c

# Here's GOOD News! IMMEDIATE DELIVERY!

## Output Transformers



Fully enclosed and hermetically sealed. Designed for operation at 1 watt level, with primary impedance of 12,500 ohms, and center tapped secondary with total impedance of 600 ohms;

Turns ratio, primary to secondary, 4.56-1. Resistance of primary, 300 ohms; of secondary, 22 ohms. Response flat within 3 db from 300 to 3000 cycles. Tested at 1500 volts RMS 60 cycles. In aluminum finish can 1 1/4" x 1 1/4" x 1 1/4", with four 5/32 threaded mtg. holes on 1" x 1 1/4" centers.

**5B5004—**  
**Your Cost..... \$2.95**

Fully enclosed and hermetically sealed. Designed for operation at 6db level, with primary impedance of 6000 ohms, and one 600 ohm and one 67 ohm secondary. Turns ratio, primary to first secondary, 3.12 to 1. Primary to second secondary, 9.4 to 1. DC resistance of primary, 460 ohms; of first secondary, 56 ohms; of second secondary, 64 ohms. Response flat within 1 db from 100 to 4000 cycles. Maximum DC in primary, 7 ma. Tested at 1500 volts RMS 60 cycles. In aluminum finish can 2" x 2" x 2 1/4", with four 5/8 threaded mtg. holes on 1 1/2" x 1 1/2" centers.

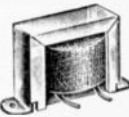
**5B5003—**  
**Your Cost..... \$2.95**

## Input Transformer

Similar in appearance to above. Fully enclosed and hermetically sealed. Designed for operation at -10 db level, with single primary impedance of 300 ohms, and one secondary of 200 ohms and one of 100,000 ohms. Turns ratio, primary to first secondary, 1 to .815, primary to second secondary 1 to 18.2. DC resistance of primary 17.2 ohms, of first secondary 16 ohms, and second 4100 ohms. Response flat within 2 db from 100 to 4000 cycles. Tested at 1000 volts RMS 60 cycles. In aluminum finish case 2"x2"x2 1/4", with four 6/32 threaded mounting holes on 1 1/2"x1 1/2" centers.

**5B5001—**  
**Your Cost..... \$2.95**

## Output Transformer



Single output tube 7M ohm to 4 ohm VC 30 mils. 1 1/4" x 1 1/4" x 2" mounting lug centers.

**C1612—**  
**Your Cost..... 49¢**

## Hybrid Transformer



Fully enclosed and hermetically sealed. Center tapped primary has impedance of 600 ohms, with two secondaries, one of 600 ohms, and one of 180 ohms. Designed for operation at

zero level. Turns ratio, primary to first secondary, 1-1.4; of primary to second secondary, 1.82 to 1. Resistance of primary, 3.2 ohms; of first secondary 6.7 ohms; of second secondary 2.9 ohms. Response flat within 1 db from 100 to 4000 cycles. Tested at 1000 volts RMS 60 cycles. In aluminum finish can 2" x 2" x 2 1/4", with four 5/8 threaded mtg. holes on 1 1/2" x 1 1/2" centers.

**5B5008—**  
**Your Cost..... \$2.95**

## D.C. Milliameters



Well known makes of DC milliameters, all 2 1/2" flange mounting types at unusually low prices. Meters are calibrated for use

on 1/8" steel panel. High quality workmanship throughout make these meters unusual values. Metal case dull black finish. Brand new. Mounting hardware included.

Triplet 0-100 MA  
**C11213—**  
**Your Cost..... \$3.23**  
Triplet 0-200 MA  
**C11214—**  
**Your Cost..... \$3.23**  
G.E. 0-200 MA  
**C10650—**  
**Your Cost..... \$4.95**

## SIMPSON 3' Meters



Famous Simpson Model 57 meters housed in a black bakelite case 2 1/2" long by 3". Unusually large

easy to read scale accurately calibrated. Zero reset screw on front. Available in two types as listed below.

0-300 AC Voltmeter.  
**C10872—**  
**Your Cost Each... \$7.43**  
0-50 AC Ammeter.  
**C10873—**  
**Your Cost Each... \$4.62**

## 6" PM Speaker



A compact, well made, lightweight speaker that employs a medium size efficient permanent magnet. Suitable for replacement in radio sets, PA systems, etc. Less transformer.

**5B7000**  
**Your Cost..... \$1.98**

## Improved 5" Magnetic Speaker



High Impedance speaker, ideal for replacement in battery sets, AC/DC sets, etc., 7000 ohms impedance to match pentode and beam power output tubes. 3 prong speaker plug. Shpg. wt. 2 lbs.

**C19152—**  
**Your Cost..... \$1.29**

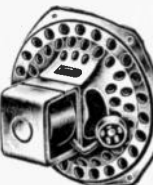
## 8" 6V Auto Speaker



A high quality speaker that makes an ideal replacement unit. 5 ohm field. 6 to 8 ohm voice coil. Less transformer.

**C19104—**  
**5 lbs. Each \$1.89**

## 7" 6V Auto Speaker



With 5 ohm field. 6 to 8 ohm voice coil, completely dustproof. Less transformer. Shpg. wt. 6 lbs.

**C19105—**  
**Your Cost..... 98¢**

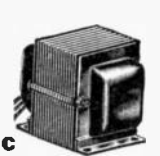
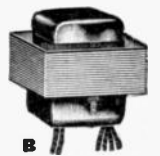
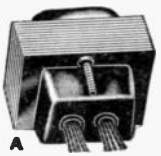
## 4" PM Speaker



A compact unit especially designed for midget sets. 6-8 ohm V.C. 3 watts. Less transformer.

**C19139—** Wt. 2 lbs.  
**Your Cost \$1.29**

## MIDGET POWER TRANSFORMERS



All are fully shielded, with leads, and have 117 volt 60 cycle primaries with tapped secondaries. They are ideal for use in small equipment such as phono oscillators, phono amplifiers, call systems, and small radios where safety dictates that the unit should be isolated from the power line to prevent shocks, blown fuses, etc. All are conservatively rated, and extremely well designed and constructed.

**Illus. A.** Primary 117 volts, 60 cycles. Secondary, 6.3 volts at .5 amp., 150 volts at .75 amp., and 50 volts at 65 ma., all connected in series in order named. Mtg. area. 3" x 2 1/2". Overall size, 3 1/4" x 3" x 2 1/2". Shpg. wt. 4 lbs.  
**C5959—**  
**Your Cost, Each..... 98¢**

**Illus. B.** Primary 117 volts, 60 cycles. Secondary, 6.3 volts at .75 amp., 150 volts at .75 amp., and 50 volts at 10 ma., all connected in series in order named. Mtg. area. 3" x 2 1/2". Overall size, 3" x 3" x 2 1/2". Shpg. wt. 4 lbs.  
**C5960—**  
**Your Cost, Each..... 98¢**

**Illus. C.** Electrical specifications same as C5960 above, but with 1 1/4" x 2 1/4" mtg. centers, and overall size 3" x 2 1/2" x 2 1/4". Shpg. wt. 4 lbs.  
**C5961—**  
**Your Cost, Each..... 98¢**

## INTERSTAGE TRANSFORMERS



Fully enclosed and hermetically sealed. Designed for operation at -3 1/2 db level, with primary impedance of 21,000 ohms, and secondary impedance of 220 ohms.

Turns ratio, primary to secondary, 9.8 to 1. Resistance of primary, 49 ohms; of secondary, 5.9 ohms. In aluminum finish can 2" x 2" x 2 1/4", with four 5/8 threaded mtg. holes on 1 1/2" x 1 1/2" centers.

**5B5005—**  
**Your Cost..... \$3.95**

Fully enclosed and hermetically sealed. Designed for operation at 10 db level, with primary impedance of 3000 ohms, and secondary impedance of 750 ohms. Turns ratio, primary to secondary, 2 to 1. DC resistance of primary 106 ohms; of secondary 21 ohms. Tested at 1500 volt RMS 60 cycles. In aluminum finish can 1 1/4" x 1 1/4" x 2 1/4", with four 5/8 threaded mtg. holes on 1" x 1 1/8" centers.

**5B5006—**  
**Your Cost..... \$1.95**

Fully enclosed and hermetically sealed. Designed for operation at -3 1/2 db level, with primary impedance of 24,000 ohms, and secondary impedance of 257 ohms. Turns ratio, primary to secondary, 9.68 to 1. Primary resistance 77 ohms, secondary resistance, 9.5 ohms. Tested at 1000 volts RMS 60 cycles. In aluminum finish can 2" x 2" x 2 1/4", with four 5/8 threaded mtg. holes on 1 1/2" x 1 1/2" centers.

**5B5007—**  
**Your Cost..... \$3.95**

## AUDIO REACTORS



Fully enclosed and hermetically sealed. Rated at .15 henries at zero DC current, with DC resistance of 10 ohms. Tested at 1000 volts 60 cycles RMS. In aluminum finish; can 2" x 2" x 2 1/4", with four 5/8 threaded mtg. holes on 1 1/2" x 1 1/2" centers.

**5B5010—**  
**Your Cost..... \$2.95**

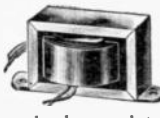
Fully enclosed and hermetically sealed. Rated at .125 henries at zero current, with DC resistance of 5.9 ohms. Tested at 1000 volts RMS 60 cycles. In aluminum finish can 2" x 2" x 2 1/4", with four 5/8 threaded mtg. holes on 1 1/2" x 1 1/2" centers.

**5B5011—**  
**Your Cost..... \$2.95**

Fully enclosed and hermetically sealed. Rated 5.62 henries at zero current, with DC resistance of 225 ohms. Tested at 1000 volts RMS 60 cycles. In aluminum finish can 2" x 2" x 2 1/4", with four 5/8 threaded mtg. holes on 1 1/2" x 1 1/2" centers.

**5B5012—**  
**Your Cost..... \$2.95**

## 30 Henry Filter Choke



Inductance 30 henrys, 50 ma. maximum d.c. resistance 450 ohms. Size: 2 1/4" x 1 1/4" x 2 1/4". Well

made, heavy duty choke suitable for servicing and experimental use. Shpg. wt. 2 lbs.

**C246—**  
**Your Cost Each..... 49¢**

|| SIGN WPB CERTIFICATION ON OUR ORDER BLANK OR ENCLOSE PRIORITY WITH ORDER ||

# HARD TO GET CONDENSERS!

## .01 MFD. Paper Molded Condenser



.01 mfd. 400 volt DC wkg. bakelite encased paper condenser, oil impregnated. Size  $\frac{3}{16}$ " x  $\frac{1}{8}$ " x  $\frac{1}{4}$ " with pigtail leads.

**C2181—Your Cost Each 15¢**

## MICAMOLD Molded Paper Condensers



Bakelite molded wax impregnated paper condensers with pigtail leads. Standard RMA color-coded. Excellent, dependable substitutes for mica capacitors. Size  $\frac{1}{16}$ " x  $\frac{3}{16}$ " x  $\frac{1}{8}$ ".

Mfd.	Volts	Mfd.	Volts
.006	400	.1	400
.01	400	.2	200
.025	400	.25	200

**C2366—Specify Value. Each 15¢**

Per 12 Ass't. \$1.69

### NOTE:

If you require large quantities of any items on this page, write us for special discounts.

## CENTRALAB Fixed Ceramic Capacitors



Extremely compact and stable capacitors, consisting of a thin wall ceramic tube, spacing two tubular silver plates, one inside and one outside the ceramic, and electroplated on the ceramic so that no mechanical movement to change the capacitance of the unit is possible. All are flash-tested at 1400 volts DC, with recommended working voltage of 500 volts DC. Power factor averages .05% with 1% the passing limit and does not increase with age. Leakage resistance is more than 10,000 megohms. CRL type 811. Capacity 20 mmfd.  $\pm 20\%$ . Dimensions .450" x .210" with  $1\frac{1}{2}$ " leads.

**C3558—Your Cost Each 5¢**

CRL type 812. Capacity 50 mmfd.  $\pm 20\%$ . Dimensions .450" x .210"  $\pm 20\%$ .

**C3559—Your Cost Each 5¢**

CRL type 810. Capacity 120 mmfd.  $\pm 2\frac{1}{2}\%$ , negative temp. coefficient .00015 mmfd./mmfd./°C. Size approx. .835" long, .225" diam., with  $1\frac{1}{2}$ " leads.

**C3561—Your Cost Each 7¢**

680 mmfd. 500 volts DC wkg. Size approx.  $\frac{1}{8}$ " x  $\frac{5}{8}$ ".

**C2197—Your Cost Each 3¢**

100 for \$2.50

Same as above, but size approx.  $\frac{1}{4}$ " x 1"

**C2198—Your Cost Each 3¢**

100 for \$2.50

.00068 Mfd.  $\frac{1}{2}$ " x  $\frac{5}{8}$ ".

**5B3022—Your Cost 5¢**

.0068 Mfd.  $\frac{1}{16}$ " x  $1\frac{1}{8}$ ".

**5B3023—Your Cost 7¢**

## ERIE CERAMICONS



Tubular ceramic capacitors similar to the units listed on the left. Erie type N750B—4.7 mmfd.  $\pm .5$  mmfd. Negative temp. coefficient .00075 mmfd./mmfd./°C. Size approx.  $\frac{3}{8}$ " long,  $\frac{1}{8}$ " diam. with  $1\frac{1}{2}$ " leads.

**C3554—Your Cost Each 7¢**

Erie type N160D—120 mmfd.  $\pm 3$  mmfd. Negative temp. coefficient .00075 mmfd./mmfd./°C. Size approx.  $1\frac{1}{16}$ " long,  $\frac{1}{16}$ " diam.

**C3555—Your Cost Each 7¢**

Erie type N680L—100 mmfd.  $\pm 2.5$  mmfd. Negative temp. coefficient .00075 mmfd./mmfd./°C. Overall ceramic insulated. Approx. size:  $1\frac{1}{16}$ " long,  $\frac{1}{16}$ " diam.

**C3556—Your Cost Each 9¢**

Erie style K, fully insulated with axial pigtail leads, 680 mmfd.  $\pm 20\%$ . 500 volts DC wkg.

**C2196—Your Cost Each 4¢**

100 for \$3.30

Erie type P120K. 7.5 mmfd.  $\pm .75$  mmfd.

**5B3024—Your Cost 7¢**

5B3025—Type N680K 15 mmfd.  $\pm 1.5$  mmfd.  $\frac{3}{16}$ " L. x  $\frac{1}{16}$ " D.

5B3026—Type NPOL 15 mmfd.  $\pm 1$  mmfd.  $\frac{3}{4}$ " L. x  $\frac{1}{16}$ " D.

5B3027—Type NPOL 15 mmfd.  $\pm .5$  mmfd.  $\frac{3}{4}$ " L. x  $\frac{1}{16}$ " D.

**Your Cost, Any Type 5¢**

## SPECIAL ELECTROLYTIC



25 mfd. 25 wkg. volt electrolytic. In aluminum can  $1\frac{1}{8}$ " dia.,  $1\frac{1}{4}$ " high. Can common, lug terminal for anode. 25 mfd. 25 volts DC wkg.

**5B3038—Your Cost 29¢**

## 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.

**C5033 { 10-10 450 } 1"x3" 79¢**

## High Voltage Oil Impregnated Tubulars

Non-inductive. Extremely low power factor. Ideal mica substitutes as by-pass, blocking, buffer or antenna coupling units, etc. Metal cases. Oil impregnated.

Stock No.	Cap. Mfd.	Volts Wtgs.	Size D.-L.	Your Cost
C3254	.05	1000	$\frac{1}{2}$ " x $2\frac{1}{2}$ "	.44
C3257	.1	1000	$\frac{3}{8}$ " x $2\frac{1}{4}$ "	.48

## Kit of 100 Micamold Mica Condensers



Popular size bakelite mica capacitors. Unmarked, but all guaranteed perfect. High quality units at an unusually low price. Capacities range from .000005 mfd. to .0005 mfd.

**C3995—Your Cost 98¢**

## Postage Stamp Micas



Aerovox and Cornell-Dubilier. All wax dipped.  $\frac{1}{4}$ " x  $\frac{3}{8}$ ", with wire leads. 1000 volts test.

**5B3018—Specify value.**

Mfd.	Price
.002	19¢
.005	29¢
.01	39¢

## High Voltage Molded Low Loss Micas

Molded in bakelite, low loss type, impregnated. All brand new units, Sprague type 10, Cornell Dubilier type 9, or Sangamo type A-2. Type in stock at time of order will be shipped. All voltages indicated are test.  $1\frac{1}{2}$ " x  $1\frac{1}{4}$ " x  $\frac{3}{4}$ ". Threaded terminals.



Stk.	Mfd.	Price	Stk.	Mfd.	Price
5B3039	.0001	29¢	5B3044	.0004	49¢
5B3040	.01	59¢	5B3045	.002	\$1.19
5B3041	.02	59¢	5B3046	.003	\$1.19
	2500 Volts		5B3047	.0035	\$1.19
5B3042	.001	39¢	5B3048	.004	\$1.19
5B4043	.01	89¢	5B3049	.015	\$1.89

# MICA CAPACITORS

## Midget Mica Condensers



Aerovox type 1468. All wax dipped. With wire leads. 1000 volts test. Size  $1\frac{1}{16}$ " x  $\frac{1}{16}$ " x  $\frac{3}{8}$ ".

.0000015 mfd. .0000047 mfd.

.0000018 mfd. .000027 mfd.

.00015 mfd. **8¢**

.00035 mfd. .0005 mfd.

.00075 mfd. **6¢**

.001 mfd. **10¢**

**5B3017—Specify value. Your Cost Each 10¢**

.01 Mfd. 300 Volt DC Wkg. Micas



In low loss molded bakelite cases.  $1\frac{1}{8}$ " x  $\frac{1}{8}$ " x  $\frac{1}{4}$ ".

**5B3050—C-D type 3LLS. .01 mfd. (Small lugs).**

**5B3051—C-D type 3Y1s. .01 mfd. (Large lugs).**

**Your Cost, Either Type 59¢**

## AEROVOX Micas



Low-loss bakelite  $1\frac{1}{2}$ " x  $1\frac{1}{4}$ " x  $\frac{1}{16}$ ".

Type 1650 .002 mfd. 1000 V. test. 600 V. W.

**5B3020—Your Cost 29¢**

Type 1650 .002 mfd. 2500 V. test. 1250 V. W.

**5B3021—Your Cost 79¢**

## High Voltage Micas



.0002 Mfd. 1430 V. D.C. working.

low loss bakelite cased mica condenser. 5% tolerance.

Size overall  $3\frac{3}{4}$ " wide,  $2\frac{3}{4}$ " high,  $1\frac{1}{4}$ " wide.

$2\frac{1}{2}$ " mtg. centers.

**C2367—Your Cost Each**

Similar to above. .0001 mfd. 5000 volts.

**C2242—Each \$3.95**

Same as above but .0012 mfd. 5000 volts.

**5B3000—Each \$3.95**

Similar to above but measuring 2" wide,  $\frac{3}{8}$ " deep, and  $1\frac{1}{4}$ " high, with  $2\frac{1}{2}$ " mtg. centers, and screw terminals. Either Sprague type 10, Cornell Dubilier type 15, or Sangamo type F-1-L. Type in stock at time of order will be shipped. All voltages indicated are test.

**5B3028—.00003 mfd., 2000 volts.**

**5B3029—.006 mfd., 2500 volts.**

**5B3030—.00005 mfd., 3000 volts.**

**5B3031—.00009 mfd., 3000 volts.**

**5B3032—.0001 mfd., 3000 volts.**

**5B3033—.0002 mfd., 3000 volts.**

**5B3034—.0004 mfd., 3000 volts.**

**5B3035—.0005 mfd., 3000 volts.**

**5B3036—.0007 mfd., 3000 volts.**

**5B3037—.001 mfd., 3000 volts.**

**Your Cost, Any Type \$3.95**

## AEROVOX Type 1469 Silver Mica Condenser



Tolerance 5%. Size  $1\frac{1}{16}$ " x  $\frac{3}{8}$ " x  $\frac{1}{8}$ ".

.0001 mmfd. 400 volts DC wkg.

**5B3019—Your Cost 19¢**

## CORNELL-DUBILIER .002 Mfd. 2500 V. Mica



Short, heavy terminals—minimum R.F. and contact resistance. India Mica gauged thickness. Used for grid and plate blocking purposes. .002 mfd. 2500 volts wkg. 5000 volts test.

**C4180—C.D. No. 4-52020.**

Sprague No. 12 .0018 mfd.

**5B3052—Your Cost, Either Type 79¢**

**\$2.95**

**\$3.95**

**\$3.95**

**\$3.95**

**\$3.95**

**\$3.95**

**\$3.95**

**\$3.95**

**\$3.95**

**\$3.95**

**\$3.95**

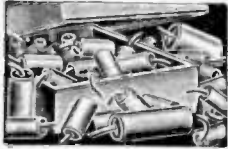
**\$3.95**



# IMMEDIATE DELIVERY

## BY-PASS-TUBULAR CONDENSERS

### Kit of 25 Tubular By-Pass Condensers



Handy assortments of popular size 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. **C3365—Your Cost, 97¢**  
Kit of 25..... **97¢**

### Metal Cased By-Pass Condensers

Quality built at amazingly low prices. Wax filled metal cased bathtub type—with lug terminals 5/8" mfd at 450 DC working volts. Size 1 1/2" x 2" x 1/4". **C3309—Your Cost Each, 11¢**  
10 for..... **98¢**

### .025-400 Volt Metal Cased Tubular

Hermetically sealed metal cased tubular condensers, oil impregnated. 1/2" diam. x 1" long. Very small—only with pigtail leads. **C2182—Your Cost Each, 19¢**

### Paper By-Pass Condensers



Nationally known, standard make. Fully wax impregnated. All with pigtail wire leads.

No.	Cap.	Volts	Each
C3087	.05	200	5¢
C3089	.0005	400	Each
C3090	.002	400	54.50
C3093	.005	400	Per Hun.
C3507	.01	400	4c
C2604	.03	400	12c
C3091	.2	400	6c
C3511	.5	400	12c
C3092	.005-.005	400	8c
C3512	.001	600	4c
C3514	.005	600	4c

### AEROVOX .5 Mfd. 400 Volt Bathtub Condenser



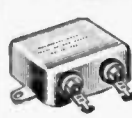
Hermetically sealed, oil filled, with terminals on bottom of can. 400 volts DC wkg. **C5966—Your Cost, Each, 39¢**

### .00025 Mfd. 600 V. By-Pass Condenser

Wax sealed paper by-pass condensers with wire leads. Per 10.25c **C3198—Your Cost Each, 3¢**

## OIL FILLED CONDENSERS

### Drawn Metal Case Oil-Filled Condensers



Non-inductive paper sections encased in a one-piece drawn, hot-tinned brass case with soldered bottom plate which hermetically seals the capacitor. Are both oil-impregnated and oil-filled.

**Single Section 25 Mfd. 600 volts.** Lugs one side. 1 1/4" x 1 1/2" x 1 1/8". **C3638—Your Cost, \$1.29**

**5B3005—Dual 25 Mfd. 600 volts DC wkg.** Lugs on side, one lug common. Size, 1 1/2" x 1 1/2" x 3/8". 2 3/8" mtg. centers.

**5B3008—Aerovox type 630.** 1 mfd. 600 volts DC wkg. Lugs on side of can. Size, 1 7/8" x 2" x 1/4". 2 3/8" mtg. centers. **Your Cost, any type, 49¢**

**5B3006—Dual .1 mfd. 600 volts DC wkg.** Lugs on side, one lug common. Size, 1" x 1 1/4" x 3/4". 2 3/8" mtg. centers.

**5B3009—Aerovox type 430.** 1 mfd. 400 volts DC wkg. Lugs on side of can. Size, 1 7/8" x 2" x 1/4". 2 3/8" mtg. centers.

**5B3010—Aerovox type 430.** 2 mfd. 400 volts DC wkg. Lugs on side of can. Size, 2" x 2" x 1 1/4". 2 3/8" mtg. centers. **Your Cost, any Type, 42¢**

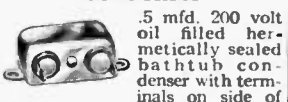
**5B3007—Aerovox type 230.** 1 mfd. 200 volts DC wkg. Lugs on side of can. Size, 1 1/4" x 2" x 1/4". 2 3/8" mtg. centers.

**5B3011—Dual .5 mfd. 250 volts DC wkg.** can common. Upright mtg. with lugs on top of can. Size, 1 1/2" x 2" x 3/4". 3/8" mtg. centers.

**5B3012—Dual .5 mfd. 250 volts DC wkg.** can common. Upright mtg. with lugs on top of can. Size, 1 1/2" x 2" x 3/8". 3/8" mtg. centers.

**5B3013—Same as above, but less mtg. bracket. Your Cost, Any Type, 39¢**

### .5 Mfd. Bathtub Condenser



.5 mfd. 200 volt oil filled hermetically sealed bathtub condenser with terminals on side of can. **C2245—Your Cost Each, 39¢**

### 600 Volt Oil Filled Condenser



Cornell-Dubilier type T1J 6020, 2 mfd. at 600 volts DC wkg. Size, 1" x 1 1/4" x 2 3/8". Less mtg. bracket. **5B3014—Your Cost, \$1.29**

Cornell-Dubilier type T1J 6010, 4 mfd. 600 volt DC wkg. oil filled condenser. Size, 2 1/2" x 1 1/2" x 3 3/8". Less mtg. bracket. **5B3015—Your Cost, \$1.49**

### Metal-Case Bathtub Condensers



Oil-filled and hermetically sealed in drawn metal cases. Non-inductive and moisture-proof. Overall size, including terminals: 2 1/2" long by 1 3/8" high by 1" wide. Lug terminals on top.

**C2347—5-.5 Mfd. 100 V. DC. Each, 39¢**

**C2230—1-1-.025 Mfd. 400 V. DC. Each, 69¢**

**C2356—.05 Mfd. 400 V. DC. Each, 69¢**

**C2360—.1 Mfd. 600 V. DC. Each, 79¢**

**C2362—1-1-1 Mfd. 400 V. DC. Each, \$1.13**

**C2357—.05 Mfd. 600 V. DC. Each, 77¢**

### AEROVOX Paper Tubulars



Non-inductively wound. Fully wax impregnated. Pigtail leads. 400 wkg. volts. **C4734—.03 Mfd. C4735—.05 Mfd. Your Cost Each, 12¢**

**C4741 .5 mfd. 26c**

**C4758 .1 mfd. 18c**

### .1-.5 Mfd. Bathtub Condenser



Two sections, .1 mfd. at 400 volts and .5 mfd. at 50 volts, with lug terminals on top of can. Oil filled, hermetically sealed, can common. **C2244—Your Cost, 49¢**

### AEROVOX .25 Mfd. 1000 Volt Condenser

A light-weight dependable unit furnished with mounting bracket. Oil-filled and impregnated. Porcelain stand-off insulators fitted with locknuts and soldering lugs. Overall size: 3" x 1 1/4" x 1". **C2316—Your Cost Each, \$1.19**



### TOBE Plug-In Capacitor

Type PT-SC-11 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 working. Tested at 1800 volts DC. 2 5/8" x 2 5/8" x 3 3/8". **C2330—4 prong. Each, \$3.95**



## ELECTROLYTIC CONDENSERS

### Can Type Dry Electrolytics

An aluminum can type dry electrolytic, equipped with mounting clamp. 10-20 Mfd. 350 V. DC. 5-5 Mfd. 150 V. DC. Case common to all sections. All sections non-polarized. 4 1/2" x 1 1/4". **C2369—Your Cost, 69¢**



### AEROVOX Electrolytic

In sealed aluminum grounded can 1" diam. x 2 1/2" high, with mtg. bracket. 20 mfd. at 50 volts DC wkg. Ideal replacement for AC, DC radios or PA systems. Easily mounted. **5B3002—Your Cost, 29¢**



### Self-Mounting Dry Electrolytic

40-20 mfd. 150 vv. In uninsulated metal can. Have mounting ears to be bent back under chassis. Connections to coded lug terminals. Perfectly sealed. A high quality condenser at an unusually low price. **C3338—Your cost each, 71¢**



### Low Voltage Electrolytics

Small units easy to mount. In aluminum can with riveted mtg. strap. Can size 1" dia. x 1 1/8". Mtg. centers 2 1/4".

**5B3003—25 mfd at 50 volts DC wkg., with two terminals, can insulated.**

**5B3004—25 mfd. at 25 volts DC wkg. Can common. Your Cost, either type, 29¢**



### SOLAR Electrolytic Condenser Low Voltage

Aluminum can Solar 22G407, 4 section. 2-100 mfd. 1-50 mfd. 1-20 mfd. at 50 volts working. Can common. Lug mounting. **5B3053—Your Cost, 49¢**



### Generator Condensers

Standard auto. radio condensers designed to eliminate generator noise. Fully shielded. Dirt and oil proof. **C14216—Mfd. 1.0. Each, 28¢**

**10 For \$2.52**



**NOTE** For a more complete listing of condensers, see pages 10-13.

# IF YOU NEED RESISTORS LOOK BELOW

## Insulated WIREWOUND RESISTORS



Completely enclosed in bakelite and capable of withstanding high temperatures. Will carry up to five watts if mounted flat to chassis by means of detachable heat dissipating metal mtg. bracket or 2 1/2 watts if suspended in open air. May be mounted anywhere without danger to units from heat or grounding.

- C4379—25 ohms, with bracket. **Your Cost** ..... 16c
- C4380—65 ohms, with bracket. **Your Cost** ..... 16c
- C4381—105 ohms, CT, with bracket. **Your Cost** ..... 23c
- C4382—Two sections, 15.75 and 35 ohms, insulated from each other. Less bracket. **Your Cost** ..... 19c

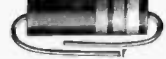
### 1 Watt Resistors



We have only limited quantities of these wire wound resistors and advise early ordering. One watt high quality units with wire-wound element, completely insulated. Available only in the sizes below.

- |      |      |
|------|------|
| Ohms | Ohms |
| 1    | 20   |
| 4    | 400  |
- C4427—Specify resistance when ordering. **Your Cost** ..... 9c  
10 for ..... 81c

### 100 Ohm 1 Watt Resistor



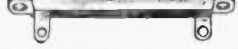
Contains a wirewound element, completely encased in molded compound. Pig-tail wire leads. C4442—**Your Cost** ..... 8c

### 20 Watt Plaque Resistor



Encased in porcelain and sealed in vitreous enamel for mtg. flat to chassis. Rated 20 watts, 3 ohms. 5B159—**Your Cost** ..... 29c

### Molded IRC Resistors



With metal brackets for mounting. Size 3"x 3/4"x 3/16".  
5B202—25 ohms 7 watts  
5B204—65 ohms 7 watts  
5B205—195 ohms tapped at 75 ohms  
5B203—50 ohms 7 watts candohm, **Your cost, any type** . . . 16c

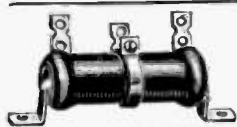
### IRC W. W. Variable 80 Watt Resistor



Accuracy 5% From To Each  
C5196 5 5,000 \$1.15

### IRC Wire Wound 10 Ohm Power Resistors

Machine wound on non-hygroscopic cores; cement coating. 10 watts. C5210—**Your Cost** ..... 26c



### Molded Wire Wound Resistors



Insulated wirewound resistors rated at 1 watt. Resistance element wound on ceramic form and molded in phenolic compound. 10% accuracy. All are standard RMA color coded. Available only in the sizes listed below.

- C4426—Specify resistance when ordering. 270 400  
10 for ..... 81c Each ..... 9c

### 1 Watt Metalized Resistor



4700 ohm 1 watt metalized resistor. 10% tolerance. 5B201—**Your Cost** each ..... 6c

### IRC 12 Watt Resistors



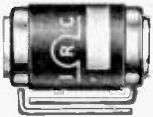
IRC type DJ, with cement coating. 3/16" diameter tubes, 3 1/4" long. Conservatively rated at 12 watts, 5% tolerance. Available in the following sizes only.  
5B152—5 ohms.  
5B193—2,500 ohms.  
5B194—1,000 ohms.  
5B195—11,000 ohms.  
**Your Cost, any type** ..... 29c

### IRC 4 Watt Resistor



Cement coated, similar to IRC type AB. Rated conservatively at 4 watts, 1 ohm 5% tolerance. 5B196—**Your Cost** ..... 9c

### IRC W. W. Precision Resistor



78 ohm 1/2 watt plus or minus 2% resistors. Non-inductive, specially impregnated. 5B198—**Your Cost** ..... 44c



**Reliance** Variable Resistor  
Vitreous enamel coated. Adjustable lugs have small contact buttons so that several taps can be used without shorting out much resistance.  
C20820 30M Ohms ..... \$1.10

## Vitreous POWER RESISTORS

### Wirewound Power Resistors — Ferrule Type



Nationally advertised IRC and Ohmite resistors in limited quantities. All perfect in every respect. Ohmite 200 ohm 10 watt resistor. Cup ferrules, 3/16" diam. 1/2" long. Resistor overall length, 2 1/2". C4385—**Your Cost** ..... 49c

3150 ohm 10 watt glass enclosed resistor. Sleeve ferrules, 3/16" diam., 1/2" long. Resistor overall length, 2 1/2". C4397—**Your Cost** ..... 49c

IRC 400 ohm 20 watt resistor. Sleeve ferrules, 3/16" diam., 1/2" long. Resistor overall length, 3 1/2". C4394—**Your Cost** ..... 79c

IRC 10,000 ohm 45 watt resistor. Sleeve ferrules, 13/16" diam., 1/2" long. Resistor overall length, 4 1/2". C4395—**Your Cost** ..... 79c

Ohmite 200 ohm 50 watt resistor. Cup ferrules, 13/16" diam., 1/2" long. Resistor overall length, 4 1/2". C4387—**Your Cost** ..... 79c

1250 ohm 50 watt resistor. Sleeve ferrules, 13/16" diam., 1/2" long. Resistor overall length 4 1/2". C4386—**Your Cost** ..... 79c

Ohmite 200 ohm 60 watt resistor. Cup ferrules, 13/16" diam., 1/2" long. Resistor overall length, 5 1/2". C4391—**Your Cost** ..... 89c

IRC 50,000 ohm 150 watt resistor. Sleeve ferrules, 13/16" diam., 3/4" long. Resistor overall length 3 3/4". C4396—**Your Cost** ..... \$1.69

Ohmite 50,000 ohm 160 watt resistor. Cup ferrules, 1 1/4" diam., 3/4" long. Resistor overall length 9 1/4". C4393—**Your Cost** ..... \$1.69

Ohmite 10M ohms 60 watts. Resistors. 5B160—**Your Cost** ..... \$1.98

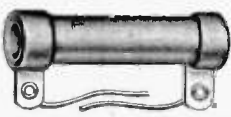
Metallized type construction. Rated at 10 watts. With sleeve ferrules 13/16" dia., 3/8" long, 70 ohms, 5% tolerance. Resistor overall length, 5 1/4". 5B199—**Your Cost** ..... 49c

### 4 Watt Carbon Resistor



4 watt uninsulated carbon resistor. 100 ohms. 10% tolerance. 5B200—**Your Cost** ..... 17c

### 20-W Vitreous Resistors



Non-porous, dissipates heat rapidly. Pigtail wire leads. 2"x 1/2". Each marked with resistance value.

Ohms	Ohms	Ohms
1	7.5	850
2	10	
3	19	
4	700	7000
5	800	7500

C4434—**Your Cost** Each ..... 29c



**Reliance** 10 Watt Resistors

No.	Ohms	No.	Ohms
C4856	10	C4873	500
C4864	50	C4876	1000
C4870	250	C4883	5000

**Your Cost, Each** ..... 16c

### Wirewound Voltage Dividers



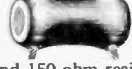
Completely enclosed in molded bakelite. May be mounted anywhere without danger to units from heat or grounding. Detachable mounting bracket. Will carry up to 7 watts. C4403—100 Ohms.  
C4402—250 Ohms.  
C4404—195 Ohms Each ..... 16c

### 15 Ohm 1/2 Watt Wirewound Resistor



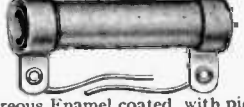
Wirewound on ceramic core. Fully insulated. 15 ohms 1/2 watt. 1/4" long, 3/8" diam. Bare wire leads. C4400—**Your Cost** ..... 10c

### 5 Watt Wirewound Vitreous Resistors



Wirewound 150 ohm resistor with tinned wire leads. 5B151—Enameled coating, lug terminals, 10,000 ohms.  
5B152—Wirewound 15 ohm resistor with 4" flexible leads.  
5B153—**Your Cost, any type** ..... 11c

### 10 Watt Vitreous Resistors



Vitreous Enamel coated, with pig-tail leads. C4860—25 ohms 10 watts.  
5B150—20,000 ohms with lugs. **Your Cost, either type** ..... 16c  
5 for ..... 75c

### IRC 50 Watt 500 Ohm Adjustable Resistor



Type EPA. 500 ohms, 50 watts, supplied with one silver contact adjustable slider. C5924—**Your Cost** Each ..... 59c



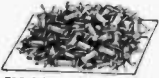
6.4 ohms total resistance, 90 watts, tapped every .32 ohms, total of 20 taps in all. Pigtail type leads. 1 1/4" diameter, 10" long. 5B197—**Your Cost** Each ..... 89c

# IMMEDIATE DELIVERY

## CARBON RESISTORS

### CARBON RESISTOR KIT

A kit of 100 assorted popular carbon resistors.  $\frac{1}{2}$  Watt. All standard RMA color coded. **C3332**—Kit of 100 Specially Priced **\$1.59**



### 2-Watt Carbon Resistors



Heavy duty carbon resistors, absolutely moisture proof. RMA color coded for easy identification. **Guaranteed accuracy, 10% plus or minus.**  
10,000 ohms  
**C4469**—**9¢**  
Each  
12 for 89c 25 for \$1.73

### 100 OHM 1 WATT 5% CARBON RESISTOR



Uninsulated, RMA Color coded. 1 Watt, 100 ohms, 5% tolerance.

**C5240**  
Your Cost **3¢**

### 5 WATT CARBON RESISTOR



Color coded; with pigtail leads. 8 megohms. Non-inductive.  
**5B157**  
Your Cost **11¢**

## FUSES



### MOTOR PROTECTION FUSE

Will not blow on starting surge, but will blow on prolonged overload. Size  $\frac{1}{8}$ "x2". Assorted, Buss Fusetron or Shawmut.

**5B182**—2/10 ampere  
**5B183**—1.6 ampere  
**5B184**—6.25 ampere

Your Cost, Any Type **12¢**

SLO-BLO Type MDL  $\frac{1}{4}$ "x1  $\frac{1}{4}$ ". MDM  $\frac{1}{2}$ "x1  $\frac{1}{4}$ ".

**5B185**—MDL8 8 ampere  
**5B186**—MDL10 10 ampere  
**5B187**—MDM15 15 ampere

Your Cost, Any Type **7¢**

**[High Voltage LITTELFUSE]**  
For use in circuits carrying up to 5000 volts. Size  $\frac{1}{16}$ "x5". Available in the following sizes.

Stk. No.	Ampere	Mfg. No.
<b>5B165</b>	$\frac{1}{4}$	3022
<b>5B166</b>	$\frac{1}{2}$	3024A
<b>5B167</b>	1	3025
<b>5B168</b>	2	3026

Your Cost, Any Type **34¢**

**BUSS  $\frac{1}{2}$  Amp. 1000 Volt Fuse**  
BUSS type HXM  $\frac{1}{2}$ ,  $\frac{1}{2}$  ampere 1000 volt cartridge fuse.  $\frac{1}{16}$ " diameter ferrules, overall length, 3".

**5B180**—**15¢**  
Your Cost

### $\frac{1}{2}$ Watt Uninsulated Carbon Resistors



Small size  $\frac{1}{2}$  watt carbon resistors with axial leads. Although they measure only  $\frac{1}{8}$ "x $\frac{3}{8}$ ", these conservatively rated resistors are constructed so that the heat is dissipated in the leads. All standard RMA color coded. Available in the following sizes:

Ohms	Ohms	Ohms	Ohms
180	600	47,000	560,000
250	680	68,000	1 meg.
300	850	100,000	2 meg.
390	1,500	220,000	2.2 meg.
450	2,200	330,000	4.7 meg.
500	7,500	470,000	10 meg.
550	22,000		

**C4415**—Specify Resistance when Ordering  
Each **3¢** 100 for **\$2.70**

### $\frac{1}{3}$ Watt Carbon Resistors

R. M. A. color coded for easy identification of fine material and workmanship. Specify resistance.

Ohms	Ohms	Ohms
10	33M	2 Meg.
15	130M	2.2 Meg.
22	270M	2.7 Meg.
33	300M	3 Meg.
150	470M	3.3 Meg.
180	560M	4.7 Meg.
220	680M	5 Meg.
600	1 Meg.	5.6 Meg.
1000	1.2 Meg.	6.8 Meg.
4700	1.3 Meg.	10 Meg.
	1.5 Meg.	15 Meg.

**C4437**—Specify Resistance  
Your Cost Each **2¢**  
Per Hundred **\$1.80**

## SHERMAN FUSE CLIPS



0-30 Amperes 250 volts. Bright plated. For  $\frac{1}{16}$ " fuses. Slit retainer.

**5B170**—**4 1/2¢**  
100 for **\$3.15**

Similar to above, but cadmium plated. Tit retainer.

**5B171**—**4 1/2¢**  
100 for **\$3.15**

31-60 Amperes 250 volts. Tinned. For  $\frac{1}{16}$ " fuses. Slit retainer.

**5B172**—**7 1/2¢**  
100 for **\$5.78**

Similar to above but cadmium plated. Tit retainer.

**5B173**—**7 1/2¢**  
100 for **\$5.78**

Similar to above but copper plated. Tit retainer.

**5B174**—**6 1/2¢**  
100 for **\$5.21**

0-30 Amperes 600 volts. Cadmium plated. For  $\frac{1}{16}$ " fuses. Tit retainer.

**5B175**—**6¢**  
100 for **\$4.39**

31-60 Amperes 600 volts. Copper plated. For 1" fuses. Tit retainer.

**5B176**—**9¢**  
100 for **\$6.66**

## Fuses and Fuse Links



Bussman strap type fuse with copper lugs on each end to fit  $\frac{1}{4}$ " belt. 60 amp. at 250 volts.

**5B188**—**2 1/2¢**  
Your Cost Each

G.E. No. 1094 Fuse links for G.E. renewable type cartridge fuses. 3 amp. at 250 volts. 10 links to envelope.

**5B190**—Per pkg. of 10.  
Your Cost Each **10¢**

G.E. No. 1099 Fuse links for G.E. renewable type cartridge fuses. 10 amp. at 250 volts. 10 links to envelope.

**5B189**—Per pkg. of 10.  
Your Cost Each **10¢**

### 2 Ampere Fuse Link

Spring pulls indicator to horizontal position when fuse link blows and provides fast break to prevent arcing.  $\frac{1}{4}$ " mtg. centers.

**5B164**—**5¢**  
Your Cost

**NOTE** If you require large quantities of any of the items on this page, write us for special discounts.

## Kit Of Mica Tubing



Ideal high voltage insulation for leads, etc.  $\frac{1}{16}$ " O.D.  $\frac{1}{32}$ " I.D. Assorted lengths  $1\frac{1}{2}$ " to  $2\frac{3}{8}$ ".

**5B6942**—Per pkg. of 100 lengths **59¢**

### Lugs



Terminal lugs tinned shakeproof type. Takes  $\frac{3}{16}$ " or smaller bolt.

**5B163**—**5¢**  
Per 10

Per hundred **32¢**  
Per thousand **\$2.95**

### Cable Clamp



Clamp for  $\frac{1}{4}$ " O.D. cables.  $\frac{3}{8}$ " wide,  $1\frac{1}{16}$ " long, .032 thick with No. 8 hole.

**C14951**—**3¢**  
Per 4

Per hundred **67¢**

### Set Screw Wrench



Set Screw Wrench for "Bristol" No. 6B set screws. Has  $2\frac{1}{2}$ " transparent plastic handle. Overall length  $5\frac{1}{4}$ ".

**5B6943**—Your Cost Each **39¢**

## Insulated CARBON RESISTORS

### 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	750	20,000	1 meg.
30	800	40,000	2 meg.
100	2,200	50,000	3 meg.
175	5,000	200,000	10 meg.
300	10,000	500,000	15 meg.
650	15,000		

**C4420**—Specify resistance.  
Your Cost Each **5¢**

100 for **\$4.50**



**Type 314**. Same as above but rated as 1 watt. Available only in the sizes listed below.

200 8,000 12,000  
**C4421**—Specify resistance when ordering.  
Your Cost Each **7¢**

100 for **\$6.30**

### $\frac{1}{2}$ Watt Insulated Carbon Resistors



Standard  $\frac{1}{2}$  watt insulated carbon resistors. All are standard RMA color coded. Available only in the sizes listed:

### IRC BT Insulated Resistors



**Type 1BT** employ metallized element sheathed in an overall covering of moisture proof phenolic compound. Non-inductive. Have wire leads. Tolerance 10%.

**C5207**—1-Watt—BT-1.  $1\frac{1}{2}$ "x. 40.0 and 35,000 ohms. Specify ohmage when ordering.

Your Cost Each **10¢**

**C5263**—2-Watt—BT-2.  $1\frac{3}{8}$ "x $\frac{1}{4}$ ". 30,000 ohms. **15¢**  
Each

### 1 Watt Insulated Resistors



Standard 1 watt insulated resistors. All are standard RMA color coded. Available only in sizes listed below.

Ohms	Ohms	Ohms
20	350	6,000
68	2,000	22,000
220	3,300	15 meg.
300		

**C4419**—Specify size when ordering. Your Cost Each **6¢**

100 for **\$5.40**

Ohms	Ohms	Ohms	Ohms
47	24,000	65,000	300,000
75	33,000	68,000	470,000
200	35,000	100,000	3 meg.
225	47,000	120,000	4 meg.
350		250,000	4.7 meg.
600			10 meg.

**C4418**—Specify size when ordering. Your Cost Each **4¢**

100 for **\$3.60**

|| SIGN WPB CERTIFICATION ON OUR ORDER BLANK OR ENCLOSE PRIORITY WITH ORDER ||

# ✓ Check THESE VALUES! QUANTITIES LIMITED!

## PILOT LIGHT BRACKET



Mounts in  $1\frac{1}{8}$ " hole, with  $\frac{3}{8}$ " jewel removable from front panel for replacing pilot light. For tubular pilot lights only. Min. bayonet base. Available in RED only.

5B6934—Your Cost ..... **27¢**

## RED PILOT LIGHT JEWEL



Clear Red glass, silver plated metal parts.  $\frac{1}{4}$ " jewel, requires  $\frac{1}{4}$ " mtg. hole. Standard  $\frac{3}{8}$ " thread.

5B6939—Your Cost Each **9¢**

## FLEXIBLE HOUSING



For use with .130" shafting. With fitting as illustrated. 22" long.

5B6511  
Your Cost ..... **28¢**

19" long. Less fittings. 5B6912—Your Cost ..... **19¢**

## FLEXIBLE SHAFTING



.130" live flexible shafting for automobile and remote control uses. 23" long. Less fittings. Will fit housing above.

5B6513—Your Cost ..... **28¢**

## AMPERITE 6 VOLT BALLAST



For operation of a 6 volt device drawing approximately 1.7 amperes from a varying 6 or 12 volt power source. Delivers 5.5 to 6.9 volts from an input of 5.8 to 8 volts on one element, or from 6 to 6.6 volts from an input of 11.6 to 16 volts on a second element. Current variation rating on first element, 1.48 to 1.86 amperes, on second element from 1.6 to 1.8 amperes. Octal base.

5B161—Your Cost ..... **49¢**

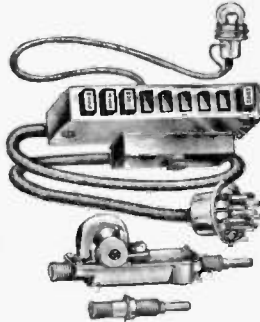
## 12-16 Volt Pilot Light Bulb



GE Mazda bulb, draws .2 amperes. White bead. Miniature bayonet base, standard tubular bulb.

5B162  
Your Cost ..... **15¢**  
10 for ..... **95c**  
100 for ..... **\$8.85**

## AUTO RADIO REMOTE CONTROL KIT

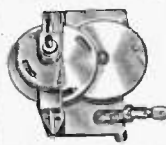


Consists of Remote Control head with station selector switch, Bass, Music and Speech switches, pilot light and fitting for manual tuning dial, 18" connector cable and plug for connection to radio, 20-1 ratio Crowe tuning unit assembly for manual tuning and volume control fitting. No manual tuning cables furnished. Provides automatic selection of 5 stations by repeated operation of station selector switch which also causes pilot light to illuminate indicator of station selected. 6—No. 51 6-8 volt pilot lights are included in assembly. Can be used with certain Motorola auto radio models or can be adapted to many other types of remote control operations in conjunction with a stepping relay and permeability tuned unit. An exceptional value.

5B6514—Your Cost ..... **\$2.20**

## VERNIER

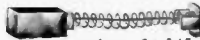
### DRIVE ASSEMBLY



Cast brass assembly with machined spring-loaded gears to prevent backlash. Drive shaft has ratio of 72-1, and indicator shaft for panel has ratio of 18-1. Mounts by means of three 8/32 tapped holes. Both drive shaft and knob shaft are  $\frac{1}{4}$ " diameter. Complete with bayonet pilot light socket and No. 44 6-8 volt bulb.

5B6515—Your Cost ..... **\$9.95**

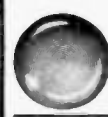
### MOTOR BRUSH ASSEMBLIES



Set of two brushes, fit  $\frac{3}{8}$ " x  $\frac{5}{8}$ " brushholders. Complete with spring.

5B6928—Your Cost ..... **11¢**

### RED GLASS LENS



Ideal for photo dark room use, and many other applications. 4" red diffusion lens.

5B6929—Your Cost Each ..... **15¢**

### SCOTCH TAPE



Double thickness; transparent outer layer, numbered inside strip, transparent paper gummed backing. Ideal for radio and general patching work.  $\frac{1}{2}$ " wide, approximately 125 feet per roll.

5B6926—Your Cost, Per Roll ..... **49¢**

### DASHLIGHT ASSEMBLY



Complete with enclosed switch. For use with double contact bayonet base pilot lamp. Finished in black, with chrome reflector which also acts as shutter to control light. May be completely closed. Size,  $2\frac{1}{2}$ " wide x  $1\frac{1}{2}$ " high x  $2\frac{1}{2}$ " deep.

5B6937—Your Cost ..... **19¢**

## STURDY CANVAS CASE



Extra heavy canvas, double sewed; with re-enforced corners and edges. Bottom heavily padded, with leather corners. Inside dimensions, 9" x 10" x 13" deep. Separate compartment in top of cover. Straps and buckles keep bag tightly closed. Loops provided on sides of case for shoulder carrying strap. Strap not supplied.

5B9500—Your Cost ..... **\$1.95**

## STEEL BRACKETS



Can be used to support panel and to protect components on top of chassis when working on under side, etc.  $8\frac{3}{8}$ " long, one leg  $1\frac{3}{8}$ ", other leg  $6\frac{5}{8}$ " long. With mtg. holes.

5B6930—Your Cost, Pair ..... **26¢**

## MYCALEX JACK STRIP



Two strips  $1\frac{1}{2}$ " x  $7\frac{1}{2}$ " with 6 banana jacks on each strip, interconnected by copper jumpers.

5B6932—Your Cost ..... **49¢**

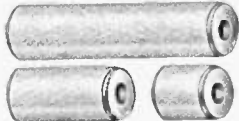
## SPRING TOP BINDING POSTS



Black plastic insulated tops, with hole for wire or plug. Tapped for 6/32 screw. Nickel plated.

5B6516—Same as above, but with 6/32 threaded stud  $\frac{3}{4}$ " long. 5B6517—Each ..... **11¢**

## Lava Post Insulators



Low loss standoff insulators. threaded for standard machine screw sizes. Supplied less hardware.

5B6915— $\frac{1}{2}$ " dia. x  $\frac{1}{2}$ " high. 6/32 threads. Each ..... **3¢**

5B6916— $\frac{3}{8}$ " dia. x  $\frac{5}{8}$ " high. 8/32 threads. Each ..... **3¢**

5B6917— $\frac{1}{2}$ " dia. x  $\frac{3}{4}$ " high. 6/32 threads. Each ..... **5¢**

5B6918— $\frac{3}{4}$ " dia. x 1" high. 6/32 threads. Each ..... **5¢**

5B6919— $\frac{1}{2}$ " dia. x  $1\frac{1}{2}$ " high. 6/32 threads. Each ..... **7¢**

5B6920— $\frac{1}{2}$ " dia. x 2" high. 6/32 threads. Each ..... **8¢**

5B6921— $\frac{1}{2}$ " dia. x 3" high. 8/32 threads. Each ..... **10¢**

5B6922— $\frac{1}{2}$ " square x  $\frac{5}{8}$ " high. 6/32 threads. Each ..... **5¢**

5B6923— $\frac{3}{4}$ " dia. x 1" high. 8/32 threads. Each ..... **5¢**

## Feed-Thru-Insulator



Lava Insulators. Height  $\frac{3}{8}$ " above and below panel, requires  $\frac{3}{4}$ " hole in panel.  $\frac{3}{8}$ " hole for hardware. Fits panels up to  $\frac{1}{2}$ " thick. Less hardware.

5B6924—Your Cost ..... **12¢**

## Extruded Insulators



Handy insulators of ceramic or polystyrene.  $\frac{1}{2}$ " high,  $\frac{1}{8}$ " diameter with  $\frac{3}{8}$ " hole. Polystyrene

5B6936—Ceramic 6¢  
5B6935—Ceramic 6¢  
Your Cost Each ..... **6¢**

## ULTRA-STEATITE PILLAR INSULATORS



Glazed and wax dipped. 1" long,  $\frac{3}{4}$ " diameter, tapped for 10/32 screws.

5B6938—Your Cost ..... **9¢**

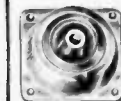
## TUBE CLAMP



For portable and auto sets. Holds tube firmly in place, and in the case of metal and GT type tubes, positively grounds shell.

5B6933—Your Cost Each ..... **6¢**

## SHEAR TYPE RUBBER SHOCK MOUNTS



$2\frac{1}{2}$ " x 2" mounting centers,  $\frac{1}{4}$ " hole for mounting unit against vibration. Ideal for use on small generators, converters, etc., and transmitters and receivers in mobile applications.

5B6940—Your Cost ..... **29¢**

## ALSIMAG INSULATED COUPLING



For  $\frac{1}{2}$ " shafts, 2" O.D. Flexible shafts do not have to be in exact alignment. Requires 4—8/32 set screws.

5B6941—Your Cost ..... **29¢**

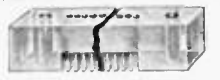
## RUBBER MOUNTS



For mounting condensers, motors, record changers, etc., to damp vibration.  $\frac{1}{4}$ " O. D.  $\frac{1}{4}$ " O. D. Extrusion,  $\frac{1}{2}$ " hole,  $\frac{3}{8}$ " high overall.

5B6931—Your Cost per 12 ..... **7¢**  
Per 100 ..... **50c**

## SLOTTED POLYSTYRENE RODS



For airwound coils,  $5\frac{3}{8}$ " long,  $\frac{3}{8}$ " square, with 47  $\frac{1}{64}$ " slots over length of  $3\frac{3}{4}$ ". Each slot has hole drilled through so that turn may be tapped if desired.

5B6925—Your Cost ..... **9¢**

## "A" Line R.F. Filter



For eliminating interference coming through the "A" supply. This is tested by disconnecting antenna and noting whether interference persists.

Fully shielded. C14205—Your Cost ..... **88¢**

## Set of 9 Assorted Steel Drills



Sizes  $\frac{1}{8}$ " to  $\frac{3}{8}$ ". Good fast cutting steel. Correctly ground. Will hold edge. Popular sizes for radio work. In hard wood box.

C14708—Your Cost ..... **\$1.10**



# Immediate DELIVERY on these Dependable PARTS

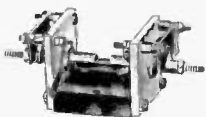
## CARDWELL ER-35-AD DUAL CONDENSER



Maximum capacity per section 35 mmfd., minimum 2.5 mmfd. Split stator type, with common rotor. 11 plates per section, .060" spacing. Isolantite end plates, double bearing,  $\frac{1}{4}$ " shaft. Overall size,  $1\frac{1}{2}$ " x  $1\frac{1}{2}$ " x  $4\frac{1}{2}$ ".

5B3502—**Your Cost** ..... **\$1.65**

## CARDWELL 2.8 MMFD DUAL CONDENSER



Maximum capacity per section, 2.8 mmfd. minimum, .2 mmfd. Mycalex coupling between sections, isolantite end plates. Each section two plates, .100" spacing, with rounded corners. Low loss bakelite base with two holes for base mtg. can be removed and each section used as separate condenser if desired.  $\frac{3}{8}$ " threaded stud projects from back of each section,  $\frac{1}{4}$ " shaft. Overall size,  $1\frac{1}{4}$ " x  $1\frac{1}{4}$ " x  $4\frac{1}{2}$ ".

5B3503—**Your Cost** ..... **\$1.65**

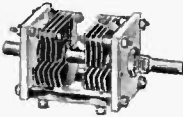
## CARDWELL 3 MMFD Variable Condenser



Maximum capacity, 3.0 mmfd., minimum capacity, .19 mmfd. Two plates, .075" spacing, with rounded corners.  $1\frac{1}{4}$ " x  $1\frac{1}{4}$ " isolantite end plate, single bearing. With  $\frac{1}{4}$ " shaft extending 1".

5B3506—**Your Cost** ..... **79¢**

## CARDWELL 32 MMFD Dual Variable Condenser



Maximum capacity per section, 32 mmfd., minimum 3.3 mmfd. 9 plates per section, .030" spacing. Isolantite end plates, double bearings. Split stator type, with common rotor. Overall size,  $1\frac{1}{2}$ " x  $1\frac{1}{2}$ " x  $2\frac{1}{2}$ ".

5B3505—**Your Cost** ..... **\$1.65**

## 50 MMFD AIR PADDING CONDENSER



Ceramic insulated, plates silver plated. Screw-driver type adjustment. Mounts by means of two threaded studs.

5B3507—**Your Cost** ..... **29¢**

## Type APC Air Padder Condensers



Ceramic insulated air padder condensers ideal for circuits requiring a constant capacity under all climatic conditions such as oscillator circuits, I. F. transformers, fixed tuned circuits, etc. Type A has screwdriver, slot adjustment. Type B has  $\frac{1}{4}$ " shaft  $\frac{1}{8}$ " long. A record low price for this high quality item.

5B3509 (A) 5 mmfd  
5B3510 (B) 5 mmfd  
5B3511 (A) 25 mmfd  
5B3512 (A) 50 mmfd

**Your Cost Each** ..... **39¢**

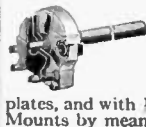
## 150 MMFD Variable Condenser



Maximum capacity, 156 mmfd. minimum, 20 mmfd. All aluminum construction, with isolantite insulation. Rated at 3400 volts test. Overall size,  $3\frac{3}{4}$ " deep,  $2\frac{1}{2}$ " wide, and  $1\frac{1}{4}$ " high with plates closed.  $\frac{1}{4}$ " shaft  $1\frac{1}{2}$ " long.

5B3516—**Your Cost** ..... **\$2.25**

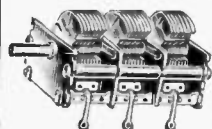
## 10 MMFD Double Spaced Air Padding Condenser



Same size as regular air padding condensers, but with twice the spacing between plates, and with  $\frac{1}{4}$ " shaft  $1\frac{1}{2}$ " long. Mounts by means of two threaded studs.

5B3508—**Your Cost** ..... **39¢**

## Three Gang 450 MMFD TRF Condenser



Three gang 450 mmfd. TRF condenser, heavily constructed.  $3\frac{3}{4}$ " wide,  $1\frac{1}{2}$ " high and  $1\frac{1}{2}$ " deep.  $\frac{3}{8}$ " shaft extends  $1\frac{1}{2}$ ". Counter-clockwise rotation, less trimmers.

9735—Shpg. wt. 3 lbs. **Your Cost** ..... **79¢**

## Oscillator Assembly



Consists of two variable tuning condensers on which are mounted various resistors, capacitors, tube sockets for VT-202 and VT-203 tubes, oscillator coils and trimmer condensers. Variable condensers are isolantite insulated. All parts can be removed for use individually if desired.

5B3517—**Your Cost** ..... **\$6.95**



## 3-Gang TRF Condenser

Three gang, 000365 clockwise TRF condenser. With  $\frac{3}{8}$ " dial drive pulley attached. Shpg. wt. 2 lbs.

C9703—**Your Cost** ..... **89¢**

## Special Rotary Switches



These are unusual type rotary switches you will find useful in building or repairing various types of test equipment or scientific instruments. Small size, 1" diameter, 1" behind panel. Bakelite insulation, Bakelite insulating contacts. Sturdy and silver wiping action.

D.P. 3 position, 1st position, 1 circuit closed. Center position, both circuits open, 3rd position, 2nd circuit closed. Both have  $2\frac{1}{2}$ " mounting studs tapped for 4-40 screw,  $\frac{3}{8}$ " mounting centers.  $\frac{3}{16}$ " shaft, extends  $\frac{1}{4}$ " beyond mounting studs.

5B4024—D.P. 3 position, 1st position, 1 circuit closed. Center position, both circuits open. 3rd position, 2 circuits closed.

5B4025—**Your Cost** ..... **29¢**

## Bakelite Fustat Socket



Molded bakelite socket for flush mounting, with heavy wire leads. For Buss Fustats from 1 to 14 amp.

C5926—**Your Cost Each** ..... **29¢**

## Snap Action Switches



The snap action switches shown operate with very light pressure, yet make a clean, fast make and break contact. Bakelite case, rated at 10 amps, 125 volts AC or DC.  $1\frac{1}{2}$ " x  $1\frac{1}{2}$ " x  $1\frac{3}{4}$ " high. Used for sorters, counters, float controls, etc. Screw terminals with lugs. Micro type WZ-RLS. Normally closed, S.P.S.T.

5B4022—Acro snap type. Normally open S.P.S.T.  
5B4023—**Your Cost** ..... **79¢**

## Safety Switch for AC-DC Battery Portables

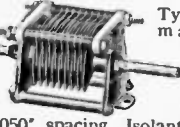


A unique switch designed to switch AC-DC Battery portables from one type of operation to the other by the insertion or removal of the AC plug. When plug is inserted, one circuit is closed and DPDT switch is automatically operated. Has hundreds of applications in other types of equipment.

C12598—**Your Cost** ..... **19¢**

▲▲▲▲ NOTE ▲▲▲▲  
We carry a complete line of all nationally advertised variable condensers. Write us your requirements.

## JOHNSON 100 MMFD Variable Condenser



Type 100F20, maximum capacity 100 mmfd. minimum 9 mmfd. 17 plates, .050" spacing. Isolantite insulation,  $\frac{1}{4}$ " shaft. Overall size,  $3\frac{1}{2}$ " x  $2\frac{1}{8}$ ".

5B3500—**Your Cost** ..... **\$1.65**

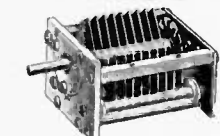
## 26 MMFD Variable



26 mmfd maximum capacity, 8 mmfd minimum. Rated at 4000 volts test. All aluminum construction, with isolantite insulation.  $\frac{1}{4}$ " shaft, 1" long. Overall size,  $1\frac{1}{4}$ " deep,  $3\frac{1}{4}$ " wide,  $1\frac{1}{8}$ " high with plates closed.

5B3513—**Your Cost** ..... **\$1.95**

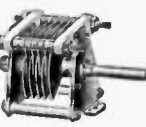
## 78 MMFD Variable Condenser



Maximum capacity, 78 mmfd. minimum capacity 16 mmfd. Aluminum and brass, extra heavy construction, isolantite insulation. Overall size,  $3\frac{1}{4}$ " deep,  $2\frac{1}{4}$ " wide,  $2\frac{1}{4}$ " high, with plates closed.  $\frac{1}{4}$ " shaft, 1" long. Rated at 3400 volts test.

5B3514—**Your Cost** ..... **\$1.95**

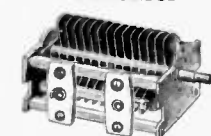
## JOHNSON 50 MMFD Variable Condenser



Type 50F-20, Maximum capacity 50 mmfd., minimum 5 mmfd. 9 plates, .050" spacing. Isolantite insulation,  $\frac{1}{4}$ " shaft. Overall size,  $2\frac{1}{2}$ " x  $2\frac{1}{2}$ " x  $1\frac{1}{2}$ ".

5B3504—**Your Cost** ..... **\$1.65**

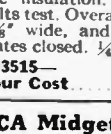
## 115 MMFD Variable Condenser



Maximum capacity, 115 mmfd. minimum, 19 mmfd. All aluminum construction, with isolantite insulation. Rated at 3400 volts test. Overall size,  $3\frac{3}{4}$ " deep,  $2\frac{1}{2}$ " wide, and  $1\frac{1}{4}$ " high with plates closed.  $\frac{1}{4}$ " shaft  $1\frac{1}{2}$ " long.

5B3515—**Your Cost** ..... **\$2.25**

## ICA Midget Condenser



For communication receivers and transmitters. Ceramic insulation, lug terminals,  $\frac{1}{4}$ " shaft, plated to resist corrosion. With mtg. nut, Wt., 1 lb. Capacity 7 to 140 mmfd. 19 plates. Single spaced.

C9714—**Your Cost Each** ..... **\$1.03**

|| SIGN WPB CERTIFICATION ON OUR ORDER BLANK OR ENCLOSE PRIORITY WITH ORDER ||

# Save TIME and TROUBLE! IMMEDIATE DELIVERY!

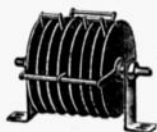
## Battery Charging Transformer



Big husky transformer, ideal for making your own battery charging unit. Has 117 volt AC primary winding and secondary tapped at 13 1/2 volts and 11 1/2 volts at 6 amperes. Used in conjunction with Selenium Rectifier C10579 listed below and Plaque Resistor shown on page 28 in series with the 11 1/2 volt tap will provide a DC charging rate of 4 1/2 Amps. at 8 volts. Housed in a metal case, black wrinkle finish. Size: 5x5x5".

**SB5015—Your Cost \$4.87**

## Selenium Rectifier



Large rectifier of selenium type, 8 discs. Input 13 Volts A.C. Output 8 volts D.C. at 4.5 amperes.

Full wave. Use with transformer SB5015 listed above and Plaque Resistor 5B159 listed on page 28 to make a battery charger. Can also be used for other rectifying purposes. Baked gray enamel finish. Mounting brackets on 4 3/4" to 4 3/4" centers. Size: 4 3/4" x 4 1/2" x 3 1/2" overall.

**C10579—Your Cost \$9.41**

## Selenium Instrument Rectifiers



Unusually small rectifiers of bridge type. Full wave rectification. Two styles as illustrated. Fig. "A" is type DS, input 10 volts AC, output 10 MA continuous. Size: 1/2" x 1 1/2" x 1 1/2" with 4 soldering lugs. Fig. "B" is type DL, input 10 volts AC, output 35 MA continuous. Size 1/2" x 3/4" x 1/2" with 4 soldering lugs.

**C10528—Type DS—\$2.94 Your Cost**  
**C10577—Type DL—\$3.33 Your Cost**

## Selenium Dry Disc Rectifier



Two bridge connected rectifiers in parallel. 26 Plates 1 1/4" diameter. AC input voltage 50 volts, 60 cycle. Maximum D.C. output 2.5 amps at 12 volts. Full wave rectifier. Stacks insulated from mounting brackets at 1200 volts 60 cycle AC breakdown. Overall length to ends of mounting brackets 5 1/2" x 1 1/2" x 2". 4-6/32 tapped mounting holes on 4 3/4" x 1 1/2" centers.

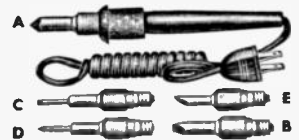
**C10573—Your Cost \$4.95**

## ICA 3 Section SIDE COWL ANTENNA

Extends from 31 1/2' to 96', with three telescopic sections utilizing special shims to eliminate rattle and vibration. Bakelite body insulators have metal inserts to insure an accurate fit and no breakage. With 33' shielded lead-in. Chrome plated.

**C22037—Your Cost \$3.23**

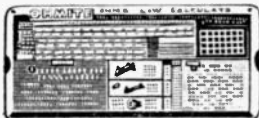
## Electric Soldering Pencil



An unusually small light weight soldering iron that handles with the ease of a pencil. Weighs only 3.6 oz., yet is well constructed and efficient. Can be used in those hard to reach places for everything from the most delicate jobs to some of the larger soldering tasks. Draws 17 watts, overall length 7 inches. Uses any of the five special tips listed below.

**Soldering Pencil, Less Tip. C15575—Your Cost 83¢**  
**Standard Copper Tip only. C15576—(A) Your Cost 59¢**  
**Elkaloy A Extra Hot Tip only. C15577—(B) Your Cost 73¢**  
**Elkaloy A Chisel Tip only. C15578—(C) Your Cost 73¢**  
**Elkaloy A Pencil Tip only. C15579—(D) Your Cost 73¢**  
**Brass Marking Tip only. C15580—(E) Your Cost 34¢**

## OHMITE Calculator



Solves any Ohm's law problem. Resist. range 0 to 10 megohms; finds volts, amperes, watts; multiplies, divides, finds squares and square roots. Scales on both sides. 4 1/2" x 9".

**C19711—Your Cost Ea. 10¢**

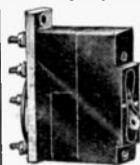
## Shure Reactance Slide Rule



A handy time-saving calculator for solving in a simple, quick manner complex resonant frequency, capacitive reactance, inductive reactance coil "Q," and dissipation factor problems.

**C20212—Your Cost 10¢**

## Circuit Breaker



Completely housed in molded plastic case with reset switch on front. Fast positive action. Flame proof. Mounts with two 10-24 x 1/2" mounting studs which are also the terminals. Can be used to replace fuses as service can be restored after short circuit or overload is corrected by merely throwing the toggle switch to "ON" position. Size: 3" x 3 3/4" x 1". Three types as listed below, all at 115V AC or DC.

**5B4058—220 MA Your Cost \$2.95**  
**5B4059—9 Amp**  
**5B4060—30 Amp**

## BAKELITE KNOBS



Molded and polished walnut bakelite knobs for 1/4" shafts. All are spring-clip, push-on type.

Type	No.	Diam.	Each	10 For
A	C9625	1 1/4"	9c	81c
A	C9618	1 1/2"	7c	63c
B	C9619	1 1/4"	8c	72c
C	C13039	1 1/2"	6c	54c

†With Set Screw.

## PLASTIC 1 IN. KNOB



For standard 1/4" knurled shafts. Tan Plastic. C5930—Your Cost Each 4¢

## POINTER KNOB



Molded dull black pointer knob with etched white line on pointer. 1" dia. fits 1/4" shaft. Brass bushing with two Allen head set screws. A good looking knob that will dress up any equipment on which it is used.

**5B6500—Your Cost Each... 7¢**

## LOCK KNOBS



Black bakelite knurled knob molded to 10/24 3/4" long. Knob marked "Lock" with two arrows. threaded stud marked "Lock" with two arrows.

**5B6509—Your Cost Each... 6¢**

## WALNUT ELIPTICAL KNOBS



1 1/4" long, push-on type. Excellent for switches, and many other uses. SB6502—Light Walnut  
SB6503—Dark Walnut  
Your Cost Each... 5¢

## Push Button Knobs



Push-on type plastic push button knobs. SB6504—3/8" diameter, 1 1/2" long. Fits 1/4" square shaft. Available in red. SB6505—3/8" x 5/8" x 1 1/8" long. Has 3/8" slot. Available in tan. Your Cost, either type... 3¢

10 for... 25c

## BLACK TRANSMITTER KNOB



1 1/4" diameter, with white indicator dot. With brass insert. Requires two 8/32 set screws. For 1/4" shafts.

**5B6506—Your Cost Each... 17¢**  
10 for... \$1.53

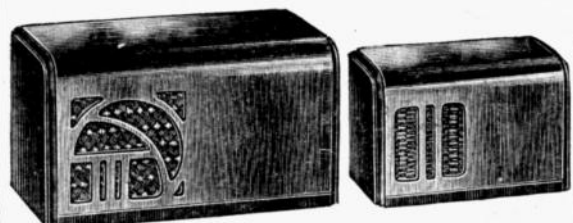
## BLACK RECTANGULAR POINTER KNOBS



1 1/4" long, 3/4" wide. With brass insert. Must be drilled and tapped for set screw. SB6507—Similar to above, but with pointer and tapped for 8/32, less screw. SB6508—Your Cost, either type... 6¢

## TABLE RADIO CABINETS

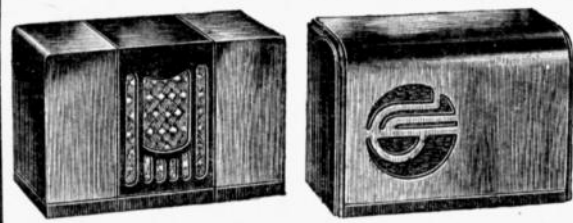
Well made Walnut veneer on hardwood cabinets that are just right for replacement purposes. Four popular sizes that will enable the serviceman to take care of cabinet requirements on almost any AC-DC or small AC table model regardless of whether the original cabinet was plastic or wood. Attractive speaker grills suitable for speakers up to 6" diameter. Dial and control cutouts to suit chassis requirements can easily be made by servicemen. You will want to have several of these on hand at these low prices.



**C25718—Size: 1D—13 1/4" l, 7 1/4" h, 5 3/4" d. Your Cost \$3.75**

**C25715—Size: 7 1/4" l, 4 3/4" h, 4 1/4" d. Your Cost \$1.95**

**C25716—Size: 1D—8 3/4" l, 5 3/4" h, 4 1/4" d. Your Cost \$2.29**

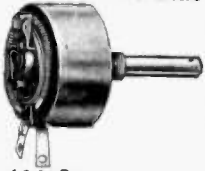


**Size: 1D—11" l, 7 1/4" h, 5 3/4" d. C25719—Your Cost \$2.53**

**Size: 1D—10 3/4" l, 7 1/4" h, 5 3/4" d. C25717—Your Cost \$2.83**

# Volume Controls IN STOCK!

## CLAROSTAT 25-Watt Rheostat



3 ohm 25 watt power rheostat. Handles maximum current through entire resistance

of 2,880 amps, and will handle current of 4,320 amperes in up to 1/2 of its resistance. Resistance wire is wound on insulated aluminum form which is firmly imbedded in grey ceramic case with inorganic cement. Contact shoe is special graphitized-copper composition. Shaft is completely insulated from contact arm. 300 degree rotation, with special adjustable locking pin to prevent rheostat from turning. 3/8" dia. bushing, 3/8" long with 1/2" shaft extending 1" from bushing. Diameter 1 1/4", extends 1 1/4" behind panel. Clarostat PW-25-4W. C8839—**\$1.25** Each.

## 20 Ohm Wirewound Rheostat

20 ohm rheostat with bracket for chassis mtg. Rated at 3 watts. Measures 1 1/2" diam., with standard 1/2" shaft 3/4" long. Rotor grounded to mtg. bracket.



C8163—**19¢** Your Cost Each.

## 3000 Ohm 4-Watt Potentiometer

1 1/2" diameter, with 3/4" slotted shaft 3/4" long. 3000 ohms, 4 watts. With standard 3/8" threaded bushing, less mtg. nut. 5B2017—**29¢** Your Cost.



# WIREWOUND CONTROLS

## Dual Potentiometer 3 Watt

Dual 3 watt wirewound potentiometer with insulated rotor, 1850 ohm straight taper front section, 18.5 ohm straight taper rear section. 3/8" threaded bushing, with shaft extending 3/8" from bushing. 1 1/2" O.D. C8150—**49¢** Your Cost Each.



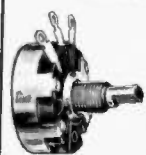
## Miniature 2 Watt Rheostat

A well constructed miniature 800 ohm wirewound rheostat rated at approximately 2 watts. May be used as a hum bucking control and for similar applications. Screw-driver slot adjustment. 1" mounting center; 3/4" diameter, 3/8" high. C6172—**9¢** Your Cost Each.



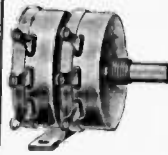
## 200 Ohm Wirewound Potentiometer

200 ohm 2 watt potentiometer, lacquer sealed to prevent entry of dust or moisture. Standard 3/8" bushing, less mtg. nut. 1/2" shaft, 3/4" long. 1 1/4" diam. High quality resistance wire, precision wound on insulated strip. C6350—**29¢** Your Cost Each.



## Dual Potentiometer 4 Watt

Dual 4 watt wire-wound potentiometer with insulated rotor. Front section, 200 ohms straight taper; rear section 5000 ohms straight taper. Has standard 3/8" bushing with 1/2" shaft extending 3/8" from bushing. 1 1/2" O.D. Front section can easily be removed and used as single section. Complete with base mtg. bracket, but less mtg. nut. C8145—**59¢** Your Cost Each.



## IRC 20-OHM, 25-WATT POWER RHEOSTAT

An all-metal unit with a die-cast aluminum case. Heat is uniformly distributed throughout the element regardless of percentage of element actually used. Screwdriver-type adjustment. Dissipates heat rapidly. C8167—1 1/2" diameter. **\$1.39** Your Cost Each.

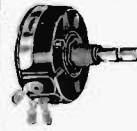


## W. W. Potentiometer with Switch

185 ohm 9 watt wirewound potentiometer with switch. Left hand tapered element, with variable arm grounded to case. 3/8" threaded bushing with 1/2" shaft extending 3/8" from bushing. Less mtg. nut. 2 1/8" O.D. C8143—**67¢** Your Cost Each.

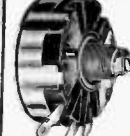


## CLAROSTAT 5150 Ohm 4 Watt Potentiometer



Tapered potentiometer, 3000 ohms linear, 5150 ohms total, rated at 4 watts. Clarostat P58W. 1 1/4" diameter, with 1/2" shaft 1 1/2" long. With standard 3/8" threaded bushing, less mtg. nut. 5B2016—**49¢** Your Cost.

## Wirewound Potentiometer



IRC type W 600 ohm 2 watt potentiometer. With standard 3/8" threaded bushing and 1/2" screwdriver slotted shaft. Less mtg. nut. 1 1/2" x 3/8". 5B2013—**29¢** Your Cost.

## 4 Watt Potentiometer



1 1/2" diameter, with 1/2" shaft 3/4" long. Standard 3/8" threaded bushing, less mtg. nut. 500 ohms. 5B2014—**29¢** Your Cost.

## CENTRALAB 200 Ohm Wirewound Potentiometer



Rated at 2 watts. Similar to CRI, type V-123. 1 1/2" diameter, with slotted shaft 3/4" long. Standard 3/8" threaded bushing less mtg. nut. 5B2015—**39¢** Your Cost.

# CARBON CONTROLS

## Dual Carbon Potentiometers



Both potentiometers listed below are 1 1/2" O.D. x 3/8" and have 3/8" bushings less mounting nut. Fully enclosed smooth

acting carbon type. 20M ohm front, 350M ohm rear flatted shaft 3/4" long. 5B2005—500 ohms each section, 1/2" slotted shaft. 5B2006—**49¢** Your Cost, Either Type.

## 50M Ohm Midget Volume Control

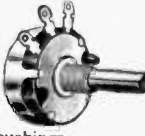


A compact, dependable control, only 1/2" in diameter. 1/2" shaft extends 3/8" from bushing. Especially desirable where a saving of space is required. Less mtg. nut. C8164—**37¢** Your Cost Each. Lots of 10 Each. 34c

Same as above but 1" in diameter and shaft extends 3/8" from bushing. \*Screw driver slot shaft. C8097—1 Meg. Ohm. C8082—100,000 Ohms. **39¢** Your Cost, Either Type.

## Volume Controls

Of Nationally known manufacture, with standard 1/2" shafts, supplied less switches and mtg. nuts. Standard 3/8" bushings. C8158—13,000 ohms, shaft 3/4" long. C8161—750,000 ohms, shaft 1 1/4" long. C8157—1 megohm, shaft 1 1/4" long. C8162—2 megohms, shaft 1 1/4" long. **29¢** Your Cost Each. Lots of 10 Each. 27c



## Carbon Rheostat or Potentiometer



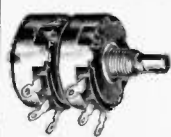
Standard carbon controls 1 1/2" O.D. x 3/8" with 3/8" bushing less mounting nut. Rheostat has 2 terminals. Potentiometer has 3. Both have 1/2" slotted shafts. 3000 ohm rheostat. 5B2003—**29¢** Your Cost. 500M ohm potentiometer. 5B2004—**29¢** Your Cost.

## ALLEN BRADLEY Type J Carbon Potentiometer



Small compact volume controls ideal for midget radios. All controls have standard 3/8" bushing, but less mounting nut. Size 1" O.D. x 1/2" deep. 5B2000—300 ohm screwdriver slotted shaft. 5B2001—25M ohm screwdriver slotted shaft. 5B2002—100M ohm 1/2" shaft 3/8" long. **29¢** Your Cost, Any Type.

## IRC Dual Control



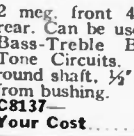
Type CS dual controls with standard 3/8" bushing, less mtg. nut. 1 1/2" O.D. x 1 3/8" deep. A low price for standard replacement. 5B2007—2500 ohm front, 25M ohm rear, 1/2" shaft 3/8" long. 5B2009—15M ohm each section, 3/4" slotted shaft 3/4" long. **49¢** Your Cost, Any Type.

## IRC Carbon Potentiometer



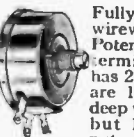
IRC type CS control, 500,000 ohms. With standard 3/8" threaded bushing and screwdriver slotted shaft. Less mtg. nut. 1 1/2" x 3/8" deep. 5B2012—**29¢** Your Cost.

## Dual Volume Control



2 meg. front 40 M rear. Can be used in Bass-Treble Boost Tone Circuits. 1/2" round shaft, 3/8" long from bushing. C8137—**47¢** Your Cost.

## 4 Watt Potentiometer or Rheostat

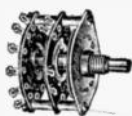


Fully enclosed 4 watt wirewound controls. Potentiometer has 3 terminals. Rheostat has 2 terminals. Both are 1 1/2" O.D. x 3/8" deep with 3/8" bushing but less mounting nut. 10 ohm pot. with 1/2" slotted shaft. 5B2010—175 ohm rheo. with 1/2" shaft 3/8" long. 5B2011—**29¢** Your Cost, Either Type.

|| SIGN WPB CERTIFICATION ON OUR ORDER BLANK OR ENCLOSE PRIORITY WITH ORDER ||

# Switches? WE GOT 'EM!

## 6 Pole 3 Position Ceramic Gang Switch



Non-shorting type, with all contacts, lugs and wipers heavily silver plated. All other metal parts cadmium plated. Steatite insulation used throughout.

out, for high voltage and RF switching. Has standard  $\frac{3}{8}$ " threaded bushing, and  $\frac{1}{2}$ " shaft extending  $1\frac{1}{4}$ ".

**CS922—Your Cost, Each... \$1.29**

## Ceramic Insulated Selector Switches



Five position two gang selector switch with total of 32 contacts. Can be used as a

meter switch where several circuits are supplied by a common source or as a band switch to short out unused coils. Standard  $\frac{3}{8}$ " bushing with lock washer and nut.  $\frac{1}{2}$ " shaft,  $\frac{3}{8}$ " long. A good item for any maintenance or servicemen.

**5B4035—Same as above but two position, two gang, 14 circuit non-shorting type.**

**5B4036—Your Cost, either type. 39¢**

## Selector Switches



Three position selector switch, with special contact arrangement to adapt it to many uses.

Has thirteen contacts, and approximately five poles. Ideal for phono switch, etc. Standard  $\frac{1}{2}$ " shaft extends  $1\frac{1}{4}$ ". Has  $\frac{3}{8}$ " threaded bushing. Less mtg. nut.

**A12593—Your Cost... 12¢**

**5B4037—Two Circuit Position.** Non-shorting type. First position, makes two circuits. Second position, breaks one circuit. Third position, breaks one and makes one circuit. Has standard  $\frac{3}{8}$ " threaded bushing  $\frac{1}{2}$ " long, and  $\frac{1}{2}$ " shaft  $\frac{3}{4}$ " long. Less mtg. nut.

**5B4038—Single Circuit 6 Position.** Shorting type switch, with double thickness wafer. Standard  $\frac{3}{8}$ " threaded bushing  $\frac{3}{4}$ " long, and  $\frac{1}{2}$ " shaft  $\frac{3}{4}$ " long. Less mtg. nut.

**5B4039—Single Circuit 4 Position.** Shorting type selector switch. Has standard  $\frac{3}{8}$ " threaded bushing  $\frac{3}{8}$ " long, and  $\frac{1}{2}$ " shaft  $\frac{1}{2}$ " long. Less mtg. nut.

**5B4040—Single Circuit 3 Position.** SPDT selector type. At center position all circuits common. Has standard  $\frac{3}{8}$ " bushing  $\frac{1}{2}$ " long, and  $\frac{1}{2}$ " shaft  $4\frac{1}{2}$ " long. Less mtg. nut.

**Your Cost, Any Type... 29¢**

## Tone and AC Switch



3 positions: AC off, AC on, tone switch open, tone switch closed.  $\frac{1}{2}$ " shaft

— $2\frac{1}{2}$ " long. AC switch rated 3 amps, 125 volts. Less mtg. nut.

**C12897—Your Cost... 19¢**

## Tone Control Switches



Single pole, two position tone switch with  $\frac{3}{8}$ " diameter threaded bushing, extending  $\frac{3}{8}$ " and  $\frac{1}{4}$ " shaft extending  $1\frac{1}{4}$ " beyond bushing with standard flat for push on knob.

**C12676—Your Cost... 11¢**

Single pole three position similar to above but with  $2\frac{1}{2}$ " shaft.

**C12677—Your Cost... 16¢**

## Tone Switches



Standard  $\frac{3}{8}$ " bushings; with  $\frac{1}{4}$ " shafts  $1\frac{1}{4}$ " long. Both

supplied less mounting nut.

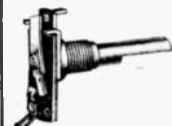
**C12595—SPDT tone switch, rotary type, with common pole grounded to shaft. Positive action.**

**Your Cost... 11¢**

**C12596—SPST switch, rotary type, ungrounded.**

**Your Cost... 9¢**

## SPST Tone Control Switch

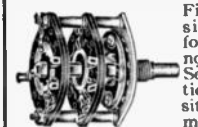


SPST Rotary tone switch, with rotor grounded to shaft. Standard  $\frac{3}{8}$ " bushing, less mtg. nut.  $\frac{1}{2}$ " shaft to standard flat to

accommodate standard knob. Shaft length:  $1\frac{1}{2}$ ".

**C12599—Your Cost Each... 9¢**

## Two Gang Selector Switch

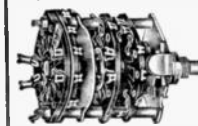


First section single pole; four positions. Second section, three positions common at all

positions, one position open. Bakelite insulated with  $\frac{1}{2}$ " shaft  $\frac{3}{8}$ " long, and standard  $\frac{3}{8}$ " threaded bushing less mtg. nut.

**5B4041—Your Cost... 29¢**

## 4 Gang Switch



Five position, four gang selector switch bakelite insulated with total

of 45 contacts. Standard  $\frac{3}{8}$ " bushing with lockwasher and nut.  $\frac{1}{2}$ " shaft,  $\frac{3}{8}$ " long.

**5B4042—Your Cost Each... 49¢**

## Single Gang Switch



Five position, single gang switch. Three positions positive action; 2 positions spring return. Can be used as talk-listen switch on in-

tercoms. Total of 12 contacts. Standard  $\frac{3}{8}$ " bushing.  $\frac{1}{2}$ " shaft,  $\frac{3}{8}$ " long.

**5B4043—Your Cost... 29¢**

## High Voltage RF Switch



Mycalex and isolantite insulated section switch, two common poles and 8 positions. All contacts are

special alloy,  $\frac{1}{4}$ " diameter, and mounted on mycalex sheets. Spacers between decks are isolantite, with low-loss linen bakelite spacers for panel mounting. Insulated coupling for  $\frac{3}{8}$ " shaft attached to rotors. Ideal for RF band switching, or high voltage work of similar nature. Overall size, 5"x6"x6" deep.

**C14518—Your Cost Each... \$6.95**

## Tone Switch

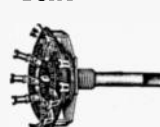


Single gang Tone Control switch. Two positions with stops. Balance of 210° rotation smooth

action. Total of 11 contacts. Standard  $\frac{3}{8}$ " bushing with lockwasher and nut.  $\frac{1}{2}$ " shaft,  $\frac{3}{8}$ " long.

**5B4044—Your Cost... 19¢**

## Phono-Radio and Tone Control Switches



Special contact combinations, ideal for phono-radio switches, tone control or general replacement and develop-

ment work. Bakelite insulated. No mounting nuts supplied.

Three positions, 11 contacts total. Standard  $\frac{3}{8}$ " bushing,  $\frac{3}{8}$ " shaft,  $1\frac{1}{2}$ " long for push-on knob.

**5B4045—Your Cost Each... 19¢**

Three positions, 12 contacts total. Standard  $\frac{3}{8}$ " bushing with  $\frac{3}{8}$ " shaft  $2\frac{1}{2}$ " long for push-on knob.

**5B4046—Your Cost Each... 19¢**

Four positions, 7 contacts total.  $\frac{3}{8}$ " threaded bushing  $1\frac{3}{4}$ " long.  $\frac{3}{8}$ " shaft,  $\frac{3}{8}$ " long.

**5B4047—Your Cost Each... 29¢**

## Midget Knife Switches



Panel mounting. Have black Bakelite bases, plated metal parts. Single pole types  $1\frac{1}{4}$ " long,  $\frac{1}{2}$ " wide;

double pole  $1\frac{1}{4}$ " long,  $1\frac{1}{2}$ " wide. With mtg. nuts.

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

## Reliance Compact Controls



With or without switch.  $1\frac{1}{4}$ " shafts extending from  $\frac{3}{8}$ " bushing, with switch  $\frac{3}{8}$ " behind panel, without switch  $\frac{1}{2}$ " behind panel.

Without Switch	No. Res. Ohms	With Switch	No. Res. Ohms
C8112	25,000	C8119	50,000
C8116	250,000	C8129	100,000
C8118	1 Meg.		

**Your Cost, Less Switch... 28c**

**Your Cost, With Switch... 43c**

## Single Pole 4 Position Switch



Snap action between contacts, quick make and break, shorting type. With  $\frac{1}{4}$ " slotted shaft  $\frac{3}{8}$ " long. Standard  $\frac{3}{8}$ " threaded bushing less mtg. nut.

**5B4057—Your Cost... 19¢**

## High Voltage Switch

Single Pole 6 position ceramic switch, ideal for use in band switching in transmitters. All parts in electrical circuits silver plated. Switches may be ganged for handling several circuits at once. Smooth action, with wiping contacts, requires very little torque to operate. Could easily be used with stepping relay or small motor for automatic switching.  $2\frac{1}{4}$ " x  $2\frac{1}{4}$ " with standard  $\frac{1}{2}$ " shafts from both sides for ganging. With base mtg. bracket.



**C12759—Each... 97¢**

## Heavy Duty Rotary Switch Kit



Single circuit 8 position heavy duty rotary switch section, bearing and rotor. Several of these can be ganged for special applications. Less spacers and front plate. As illustrated. Switch section  $2\frac{3}{4}$ " dia., rotor shaft  $\frac{3}{8}$ " dia. and  $4\frac{1}{2}$ " long overall. Bearing assembly complete with nut, lockwasher, wiper and lug.

**5B4048... \$1.95**

## Slide Switches



You will find a multitude of uses for switches of this type in the repair of radios, phono radio combinations, small household appliances and other electrical items needing a switch replacement of small size and conservative rating. Order several for your replacement stock. Rated at .75 amp, 110 volts with shield cover.

(A) S.P.S.T.  $1\frac{1}{4}$ " mounting centers.

**5B4050—Your Cost Each... 12¢**

(B) Three position. Center position off. Closes separate circuit each side of center. Four contacts.  $1\frac{1}{4}$ " mounting centers.

**5B4051—Your Cost Each... 15¢**

(C) 3 P.D.T. Very smooth action.  $1\frac{1}{2}$ " mounting centers. Mtg. holes tapped for 4/36 screws.

**5B4052—Each... 12¢**



# DELAYS ARE COSTLY! GET THESE NOW!



## SPECIAL! Radio Tubes

The following Concord tubes are now in stock subject to prior sale. All tubes are guaranteed against mechanical or electrical defects for six months from date of purchase. Stock up on these hard-to-get items.

TYPE EACH	TYPE EACH
1L4 . . . \$0.60	6F8C . . . \$0.56
2G5 . . . .60	6L6G . . . .88
2A4 . . . .71	6SD7GT. .59
354 . . . .71	35H7GT. .74
6B4G . . . .88	6SN7GT. .56
6B8C . . . .56	

## Selenium Photo-Cells

Cells are of the barrier layer, self-generating type. Light striking upon cell generates current sufficient to operate relays directly without use of auxiliary power. Lifetime of cell is unlimited for practical purposes. Delivers 400 micro-amperes output (46 micro-watts) at 100 foot candles, 2" diameter, mounted in plastic housing.

**C10576**—Photo Cell, in plastic housing.  
**Your Cost, . . . . . \$3.98**

## Cutler-Hammer Toggle Switches



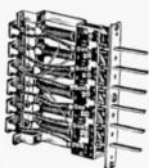
Flush mtg. SPDT switch with luminous tip. 1 pos. momentary, center off, other positive action. Handles 20 amp. at 24 Volts DC or 3

amps. at 110 volts AC Screw terminals.  
**C12633—**  
**Your Cost, . . . . . 39¢**

Type 8700K3 bat handle DPDT heavy duty toggle switch with center off position. Screw terminals, 1 1/4" mtg. centers. Rated 20 amps at 125 volts AC, 35 amps at 15 volts DC. No luminous tip.  
**5B431—**  
**Your Cost, . . . . . 49¢**

Type 8701K3 bat handle DPDT heavy duty toggle switch with screw terminals. 1 1/4" mtg. centers. Rated 20 amps at 125 volts AC, 35 amps at 15 volts DC. Excellent for motor switch. No luminous tip.  
**5B4032—**  
**Your Cost, . . . . . 49¢**

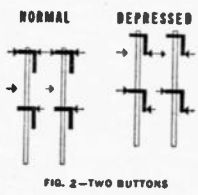
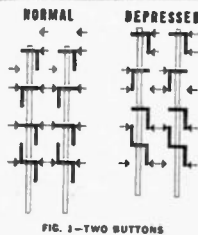
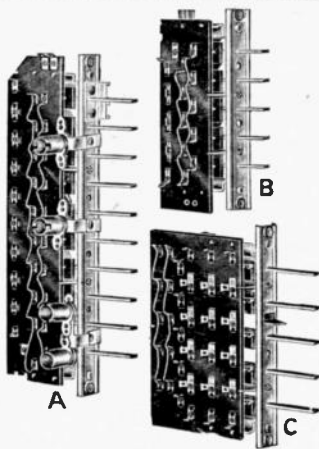
## Permeability Tuned Push Button Assembly



Six button assembly, with six permeability tuned detector coils to cover entire broadcast band, and six trimmers for oscillator coil. Will convert

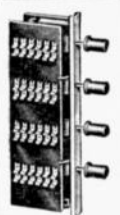
any superhet into a modern push-button type receiver. No necessity to remove present coils in set, and will not disturb regular manual tuning. Measures 5 1/4" wide, 4 1/4" behind panel, and 1 1/4" high. Push button shafts extend 1 1/4". Supplied less push button knobs and oscillator coil. (Use oscillator coil in set).  
**C12594—Your Cost, . . . . . 95¢**

# PUSH BUTTON SWITCHES



Heavy duty switches, constructed for continuous duty and to withstand considerable abuse. High quality 1/4" bakelite insulation used throughout, all contacts are silver plated. All other metal parts are cadmium plated. All are non-shorting type.  
**C5933—Type C.** 5 button switch, as per Fig. 1. Momentary action. Size overall, 1 1/4" high, 3" deep, and 4 3/8" wide, with push-button shafts extending 1 1/4".  
**Your Cost, Each . . . . . 69¢**  
**C5934—Type C.** 10 button switch, as per Fig. 1. Momentary action. Size overall, 1 1/4" high, 3" deep, and 7 3/8" wide, with push-button shafts extending 1 1/4".  
**Your Cost, Each . . . . . 59¢**

The switches listed below are similar to those listed above, with the exception that the trigger bar is of a locking type which must be actuated by separate mechanical means before a button may be depressed or released. However, the trigger bar may be removed or locked in position and the switches used as momentary action switches.  
**C5936—Type B.** 5 button switch, as per Fig. 2. Size overall, 1 1/4" high, 1 1/4" deep, 4 1/4" wide, with push-button shafts extending 1 1/4".  
**C5937—Type A.** 10 button switch, as per Fig. 2, with four bayonet type pilot light sockets mounted on the front bracket. Size overall, excluding sockets, 1 1/4" high, 2" deep, and 7 3/8" wide, with push-button shafts extending 1 1/4".  
**C5938—Type A.** 10 button switch, identical with the above, but first button spst normally open.  
**C5939—Type A.** 12 button switch, as per Fig. 2, with five bayonet type pilot light sockets mounted on front bracket. Size overall, excluding sockets, 1 1/4" high, 1 1/4" deep, and 8 1/4" wide, with push-button shafts extending 1 1/4".  
**C5940—Type A.** 12 button switch, identical with the above, but with first button spst normally open.  
**Your Cost, Any Type . . . . . 69¢**



Hard to get push button switches that will be a boon to servicemen for use on radios, automatic phonographs and other mechanical or electrical equipment. Well made to stand hard usage and abuse. Two types as shown below.

Four button momentary action switch with four black push button knobs. Each section 8 pole double throw. Size—mounting plate 7 1/4" x 5 1/2". Overall width 1 1/4", depth 2 1/4", from mounting plate.  
**5B4028—**  
**Your Cost, Each, . . . . . 79¢**

Four button positive action switch complete with four red push button knobs for controlling circuits and one white release button. Each section 8 pole double throw. Size—mounting plate 7 3/4" x 5 1/2". Overall width 1 1/4". Depth 2 1/4" from mounting plate.  
**5B4029—**  
**Your Cost, Each . . . . . 89¢**

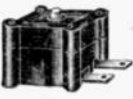


Six DPST buttons with all poles common in normal position. 5 1/4" wide, 3/4" high, 1 1/4" behind panel. Push button shafts extend 2 1/4". Less knobs.  
**C12624—**  
**Each . . . . . 39¢**



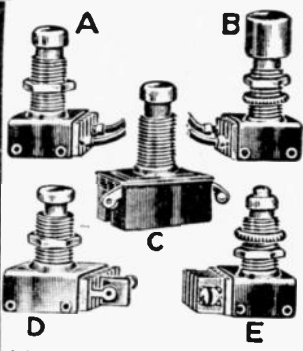
Five button switch, each button DPDT with all buttons common in normal position. Shafts extend 2 1/4" from panel.  
**C12592—**  
**Your Cost, . . . . . 29¢**

## Sealed Switch



Allied Control SPST snap action heavy duty fully enclosed switch. Normally closed. Pressure on plunger opens contacts. Handles 12 or 24 V. DC or 110 V. AC at 50 amp.  
**5B4054—Your Cost . . . . . 75¢**

## H & H Approved Push Switches



All bright nickel plated plungers.  
**Type A—C12671—**SPST positive action with 6 in. leads. Bushings, 1 1/2" diameter, 5/8" long. Rated 3A, 250V, and 6A, 125V.  
10 for . . . \$2.60 **Each . . . . . 29¢**  
**Type B—C12672—**Same as above but with extra large and heavily chrome plated plunger tip 5/8" diameter.  
10 for . . . \$2.95 **Each . . . . . 31¢**  
**Type C—C12673—**Similar to C12671, but with bakelite case and lug terminal.  
10 for . . . \$2.15 **Each . . . . . 24¢**  
**Type E—C12674—**Single circuit momentary contact push switch normally closed. Bushing 1 1/2" diameter, 5/8" long with lug terminals. Rated 3A, 250V.  
10 for . . . \$2.60 **Each . . . . . 29¢**  
**Type D—C12675—**Similar to above but with lug terminals and rated at 1A, 125V.  
10 for . . . \$2.30 **Each . . . . . 26¢**

SPST normally open, momentary contact type. Handles 3 amperes at 125 volts. Molded bakelite body, lug terminals. Ideal for door interlock switch, has 1/4" overtravel after contact. With 1/2" long threaded bushing.  
**5B4056—Your Cost Each 29¢**  
10 for . . . . . \$2.30

## SPST Locking Type Switch



For use on automatic record changers or a limit switch. Cam with roller actuates switch, which then locks in closed position, and circuit can be opened by light pressure on retaining dog. Handles approximately 3 amps. at 125 volts. Normally open.  
**C12597—Your Cost . . . . . 11¢**

## Electrical Switch



5 pole 2 pos. switch section actuated by 28 V. D. C. solenoid. When voltage is applied to coil, special low current winding holds switch in position until voltage is removed. Spring return to normal position. Other switch sections of standard size may be used if desired. Shpg. wt. 1 lb.  
**C14167—Your Cost . . . . . 59¢**

## Phosphor Bronze Dial Cable



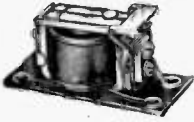
Maximum strength. 16 strand type closely braided. 42 strand type consists of seven, 6 strand cables wound over linen core.

No.	Strands	Feet	Each
K9872	42	100	\$2.25

**Additional Switches  
FOR ADDITIONAL VALUES  
IN SWITCHES SEE PAGES 34,  
43, 44.**

# ACCURATE DEPENDABLE RELAYS

## SPST RELAYS



Double break SPST contacts,  $\frac{1}{4}$ " pure silver, rated at 15 amperes total at 14 volts DC. Relay coil operates on 11 to 16 volts DC, continuous duty. Overall size  $2\frac{1}{2}$ "x $1\frac{1}{4}$ "x $1\frac{1}{8}$ " high.

**C14517—Leece-Neveille No. 11792. \$1.89**  
Your Cost



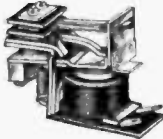
3 sets of SPST contacts, normally open, of  $\frac{1}{16}$ " diameter fine silver, rated at 50 watts non-inductive load at 60 cycles. Coil operates on 20 to 29 volts 50-60 cycle AC with DC resistance of 30 ohms, with 1500 volt AC insulation throughout. Overall size,  $2\frac{1}{2}$ "x $2\frac{1}{2}$ "x $1\frac{1}{8}$ ".

**C5946—Your Cost \$95¢**



SPST contacts, normally closed, of  $\frac{3}{16}$ " diameter fine silver, rated at 550 watts non-inductive load at 60 cycles, DC Resistance, 600 ohms. Coil operates on 90 to 125 volts, 50-60 cycles AC, with 1500 volt AC insulation throughout. Overall size,  $2\frac{1}{4}$ "x $1\frac{1}{2}$ "x $1\frac{1}{8}$ ", with mtg. bracket.

**C5944—Your Cost \$69¢**



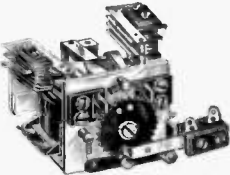
SPST contacts, normally open, of  $\frac{3}{16}$ " diameter fine silver, rated at 550 watts non-inductive load at 60 cycles. Coil operates on 95 to 125 volts 50-60 cycle AC, with DC resistance of 550 ohms. Overall size,  $2\frac{1}{2}$ "x $1\frac{1}{2}$ "x $1\frac{1}{8}$ ".

**C5945—Your Cost \$69¢**

Similar to C5945 above but with SPST contacts, normally open, of  $\frac{3}{16}$ " diameter fine silver, rated at 550 watts non-inductive load at 60 cycles. Coil operates on 18 to 29 volts AC, with DC resistance of 30 ohms. 1500 volts AC insulation throughout. Overall size,  $2\frac{1}{2}$ "x $1\frac{1}{2}$ "x $1\frac{1}{8}$ ".

**C5954—Your Cost \$65¢**

## RATCHET RELAY



Two separate and removable relays, one having SPST contacts normally open, and the other two sets of SPST contacts normally open, which actuate a ratchet. From the starting point, 27 impulses of the right hand

relays are required to actuate a set of SPST contacts, normally closed. 27 impulses of the left hand relay will turn the ratchet to starting position. Relay contacts are of  $\frac{1}{16}$ " fine silver, rated at 60 watts non-inductive load at 60 cycles, and ratchet contacts are of  $\frac{3}{16}$ " fine silver, rated at 550 watts non-inductive load at 60 cycles. Relay coils operate on 90 to 130 volts, continuous duty, and have a DC resistance of 500 ohms. Spring type latch holds ratchet in position between impulses so that it cannot be moved by mechanical vibration or shock. Overall size,  $2\frac{1}{2}$ "x $3\frac{1}{2}$ "x $3\frac{1}{2}$ ".

**C5955—Your Cost \$1.89**

## NOTE

We are authorized representatives for **GUARDIAN, POTTER-BRUMFIELD and WARD-LEONARD** Relays which are available on priority only. To expedite delivery, include your highest preference rating.

## LEACH RELAYS



### L-80-BFM RELAY

Three-pole double throw Leach relay with 10-14 volt DC coil with resistance of 67 ohms mounted on Lord No. 4 shock mounting.

**5B4019—Your Cost \$1.95**



### DPST RELAY

DPST Contacts, normally open. Excellent for light keying, or standard circuit controlling. Pole pieces and pig-tails are heat-treated beryllium copper, insuring exceptionally long life without fatigue. Contacts are  $\frac{1}{4}$ " pure silver, slightly crowned, each set of contacts rated at 6 amps. 24 volt DC coil, 380 ohms resistance. Overall size,  $2\frac{1}{2}$ "x $3\frac{1}{2}$ "x $1\frac{1}{2}$ " high, with insulating bakelite sheet for base mounting.

**C14515—Leach No. 1204 Your Cost \$1.59**

### DPST METAL BASE RELAY



Heat-treated beryllium copper pole pieces, nickel-plated; all iron parts cadmium plated. Tension spring copper plated steel. Contacts are  $\frac{1}{4}$ " pure silver, slightly crowned, rated 6 amperes at 110 volts AC.

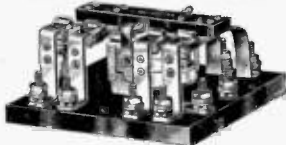
25 amperes at 24 volts DC and 50 amperes at 12 volts DC. All parts and pieces are so constructed that nothing can twist or turn out of alignment. Exceptionally fast acting. Coil ideal for keying small transmitters. Coil operates on 12 volts DC, resistance 67 ohms. Overall size,  $1\frac{1}{2}$ "x $2\frac{1}{4}$ "x $1\frac{1}{4}$ " high.

**C14512—Leach No. 1054-SN \$1.29**  
Your Cost

Similar to above, but with  $\frac{3}{16}$ " pure silver contacts rated at 4 amperes at 110 volts AC, and 24-28 volt DC coil with 265 ohms DC resistance.

**C14513—Leach No. 1024 \$1.25**  
Your Cost

### FOUR-POLE RELAY



A heavy duty relay with two sets of SPDT contacts, and two sets of SPST contacts, normally closed. All metal parts are bright-plated and all soldered joints are carefully enamelled to prevent corrosion. Contact arms and springs are heat-treated beryllium copper, and contacts are  $\frac{1}{4}$ " 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  $3\frac{1}{4}$ " square,  $\frac{1}{4}$ " thick. Overall height  $1\frac{1}{4}$ ". Shpg. wt. 1 lb.

**C14251—Leach No. 2129BF \$2.95**  
Your Cost

### MIDGET 6-VOLT RELAY



Leach type P-3, 150 ohm coil, SPDT,  $1\frac{1}{2}$ "x $1\frac{1}{2}$ " overall. Operates on 6-8 volts DC. Contacts will carry 1 amp to 110 volts AC.

**5B4018—Your Cost \$69¢**

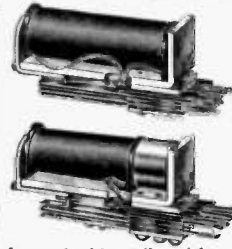
### KURMAN Low Current RELAY



Type 223C34, SPDT Contacts. DC coil resistance, 300 ohms. Operates on 2.5 volts DC, with pull-in current of 8 milliamperes. Fully adjustable.

**5B4020 \$2.50**  
Your Cost

## RELAYS



Low current positive acting telephone type relays for operation on 24 volts DC. Finest materials used throughout, with all metal parts heavily plated, coils thoroughly tropicalized, and finest bakelite, polystyrene, and isolantite insulation. Some units will

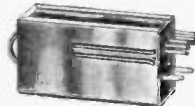
have double coils, either one of which will operate relay. Size overall  $3\frac{1}{8}$ " long,  $\frac{7}{8}$ " wide, and up to  $1\frac{1}{4}$ " high.

Stock No.	Coil Resistance	Contacts
<b>5B4003</b>	200 and 500 ohms	SPDT
<b>5B4004</b>	500 ohms	1-SPDT, 1 SPST (NO)
<b>5B4005</b>	500 ohms	3-SPST (NO)
<b>5B4006</b>	500 ohms	2-SPST (NO), 1-SPDT
<b>5B4007</b>	500 ohms	1-SPST (NO), 2-SPST (NC)
<b>5B4008</b>	500 ohms	SPDT
<b>5B4009</b>	200 ohms	SPST (NC)
<b>5B4010</b>	200 and 500 ohms	1-SPST (NO), 1-SPDT
<b>5B4011</b>	500 ohms	5-SPST (NO)
<b>5B4012</b>	500 ohms	SPST (NO)
<b>5B4013</b>	500 ohms	1-SPST (NC), 2-SPDT
<b>5B4014</b>	500 ohms	2-SPDT
<b>5B4015</b>	500 ohms	1-SPST (NO), 1-SPST (NC), 2-SPDT

Similar to above, but slow release type. Contacts hold in for approximately 1 second after removal of actuating voltage.

**5B4016** 500 ohms SPDT  
**5B4017** 500 ohms 2-SPST NO, 1-SPDT  
Normally Open—NO  
Normally Closed—NC  
**Your Cost, Any Type \$1.95**

## ENCLOSED RELAY



Low current telephone type relay, fully enclosed in slip-on metal case with handle. Coil requires from 15 to 24 volts DC, with pull-in at 5

milliamperes. DC coil resistance, 3000 ohms. Three sets of SPST contacts normally open. Overall size,  $4\frac{1}{2}$ "x $2\frac{1}{2}$ "x $1\frac{1}{4}$ ".

**5B4021—Your Cost \$2.45**

## AIRCRAFT RECOGNITION LIGHT SWITCHBOX



Contains four bat handle toggle switches, SPDT center off position, rated at 5 amps at 125 volts; Mazda No. 313 pilot light (28 volts) with miniature bayonet base socket and dimming control to regulate intensity of light; ACRO SPST normally open

snap switch with screw terminals and red bakelite actuating button rated 6 amperes at 125 volts; all unsoldered and easily accessible and removable for use; mounted in plastic case measuring  $3\frac{1}{2}$ "x $3\frac{3}{8}$ ". Case cover is fastened to case with two screws and all items are mounted to cover.

**5B4027—Your Cost \$2.45**

## DESK STAND MICROPHONE

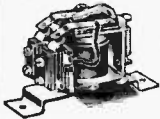


Standard size desk stand carbon 2 button microphone 12" high complete with 6 foot rubber covered flexible cord and 2 circuit plug. Finished in black baked enamel. Sturdy, durable and built for hard usage. No switch. Ideal for Police radio stations or industrial P. A. and call systems.

**5B7050 \$7.95**  
Your Cost

# IMMEDIATE DELIVERY

## DPST RELAYS



DPST contacts, normally open, of  $\frac{1}{8}$ " fine silver diameter, rated at 550 watts non-inductive load at 60 cycles. Coil operates 50-60 cycle AC, requires from .6 to 1 volt with pull-in current of .4 amps. DC resistance, 1.5 ohms. 1500 volt AC insulation throughout. Overall size,  $2\frac{1}{2}$ " x  $1\frac{1}{2}$ " x  $1\frac{1}{2}$ ", with mtg. bracket.

**C5948—Your Cost . . . . . 89¢**



DPST contacts, normally open, of  $\frac{1}{8}$ " diameter sterling silver, rated at 160 watts non-inductive load at 60 cycles. Coil operates on 90 to 130 volt 50-60 cycle AC, with DC resistance of 800 ohms. 1500 volt AC insulation throughout. Overall size,  $1\frac{1}{2}$ " x  $2\frac{3}{4}$ " x  $1\frac{1}{2}$ ".

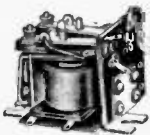
**C5949—Your Cost . . . . . 95¢**

## Double Pole Relays



Double pole relay, one set of contacts SPST normally open, rated at 300 watts non-inductive load at 60 cycles, and one set of SPDT contacts, with normally closed contact rated at 60 watts, and normally open contact rated at 550 watts non-inductive load at 60 cycles. Coil operates on 5 to 75 amps 50-60 cycles AC, with DC resistance of 2.25 ohms. Voltage drop across coil between 1.125 and 1.6875 volts. 1500 volt AC insulation throughout. Overall size,  $2\frac{1}{2}$ " x  $1\frac{1}{2}$ " x  $1\frac{1}{2}$ ". With mtg. bracket.

**C5951—Your Cost . . . . . 75¢**



Double pole relay, with one set of SPST contacts normally open, and one set of contacts normally closed, contacts of  $\frac{1}{8}$ " fine silver, rated at 550 watts non-inductive load at 60 cycles. Coil operates on 14 to 32 volts, with DC resistance of 27.5 ohms. Overall size,  $2$ " x  $2\frac{1}{4}$ " x  $1\frac{1}{8}$ ", with mtg. bracket.

**C5941—Your Cost . . . . . 69¢**

## AUTO-LITE RELAY



Heavy duty solenoid relay similar to those used on automobile starters. Operates on 8.5 to 14 volts DC, continuous duty. Closes one circuit (double make) which will carry very high current. Overall dimensions  $3\frac{1}{2}$ " x  $3\frac{1}{2}$ " x  $2\frac{1}{4}$ ".

**C14516—Your Cost . . . . . \$1.19**

## REMOTE CONTROL RELAY



Consists of SPST relay, contacts normally open, with 6.3 volt AC coil with 100 ohm resistance of 2.2 ohms, mounted in sturdy metal box measuring  $3\frac{1}{2}$ " x  $3$ " x  $2$ " 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. Your Cost . . . . . \$1.39**

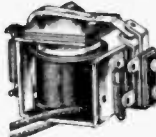
## THREE POLE RELAY



Three pole relay, with two sets of SPST contacts normally open, and one double make contact, normally open, all contacts of  $\frac{1}{8}$ " fine silver, rated at 50 watts non-inductive load at 60 cycles. Coil operates on 20 to 29 volts AC, with DC resistance of 30 ohms. Overall size,  $2\frac{1}{2}$ " x  $2$ " x  $1\frac{1}{2}$ ".

**C5942—Your Cost . . . . . 98¢**

## SPDT RELAY



SPDT contacts of  $\frac{1}{8}$ " diameter fine silver, rated at 550 watts non-inductive load at 60 cycles. Coil operates on 19 to 29 volts 50-60 cycle AC, with DC resistance of 50 ohms, 1500 volt insulation throughout.

Overall size,  $2\frac{1}{2}$ " x  $1\frac{1}{2}$ " x  $1\frac{1}{2}$ ". **C5950—Your Cost . . . . . 89¢**

## 230 VOLT SOLENOID



Wound with No. 3 wire; DC resistance 350 ohms. Thoroughly impregnated, and taped. Lug terminals. Size,  $1\frac{1}{2}$ " I.D.,  $2\frac{3}{8}$ " O.D.,  $1\frac{1}{2}$ " deep.

**5B4002—Your Cost . . . . . 79¢**

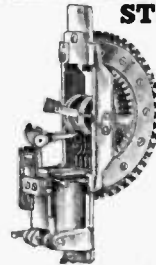
## AC SOLENOID



Compact solenoid. DC Resistance 20 ohms, wound on brass tube with I.D. of .210". Operates on 6 to 10 volts AC, constant duty, or 4 to 7.5 volts DC constant duty. Overall dimensions  $1\frac{1}{4}$ " long,  $\frac{3}{8}$ " diameter.

**C10262—Your Cost . . . . . 19¢**

## STEPPING RELAYS



Four circuit 25 position stepping switch with automatic recycling. Actuating solenoid operates on 12 volts DC, with resistance of 9.4 ohms. Separate set of SPST contacts, normally closed, are opened each time solenoid is actuated. Numbered drum on rotor shaft indicates position of rotary contacts. Positive in action and fully adjustable. Overall size,  $6\frac{1}{2}$ " x  $4\frac{1}{2}$ " x  $1\frac{1}{8}$ ".

**5B4000—Your Cost . . . . . \$14.95**

Similar to above, but two circuit 50 position stepping switch.

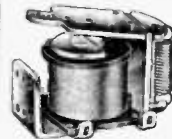
**5B4001—Your Cost . . . . . \$14.95**



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. An ideal unit for simultaneous remote control changes in several circuits or for quick coil changes in transmitters, etc. Relay coil operates on 6 volts DC. Shpg. wt. 1 lb.

**C14250—Your Cost . . . . . 59¢**

## RELAY FRAME AND COIL



Less contact assembly. Operates on 40 to 60 volts AC, continuous duty, with DC resistance of 100 ohms. Maximum arm travel,  $\frac{1}{4}$ ". Ideal as special relay, utilizing contacts listed, or as tripping solenoid.

Overall size,  $1\frac{1}{2}$ " x  $2$ " x  $1\frac{1}{2}$ ". **C5953—Your Cost . . . . . 45¢**

## RELAY CONTACT POINT ASSEMBLIES

All of finest construction, with plated metal leaves, high quality low loss bakelite insulation, with bakelite tubes for insulation from mounting screws. All have  $\frac{3}{8}$ " mounting centers. Contacts are  $\frac{1}{8}$ " diameter fine silver, rated at 100 watts non-inductive load at 60 cycles.



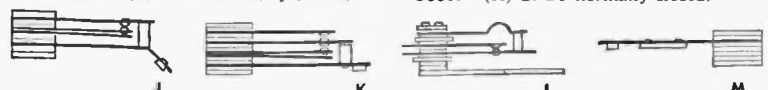
**C5900—(A) SPST normally closed.**  
**C5901—(B) SPST normally open.**

**C5902—(C) SPST normally open.**  
**C5903—(D) SPST normally closed.**



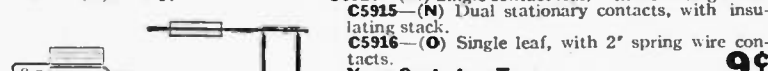
**C5904—(E) SPST normally open.**  
**C5905—(F) SPST normally closed.**

**C5906—(G) SPST normally closed.**  
**C5907—(H) SPST normally closed.**



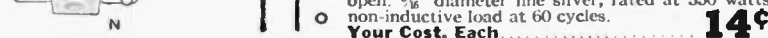
**C5908—(J) SPST normally closed.**  
**C5909—(K) SPDT.**

**C5912—(L) SPST normally closed, with bracket.**  
**C5914—(M) Single contact leaf, with insulating stack.**



**C5915—(N) Dual stationary contacts, with insulating stack.**  
**C5916—(O) Single leaf, with 2' spring wire contacts.**

**Your Cost, Any Type . . . . . 9¢**



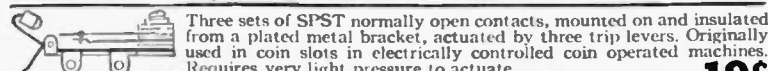
**C5917—(P) Two sets of SPST contacts, normally open.  $\frac{3}{8}$ " diameter fine silver, rated at 550 watts non-inductive load at 60 cycles.**

**Your Cost, Each . . . . . 14¢**



**C5913—(Q) Five sets SPDT, mounted on bracket.**

**Your Cost . . . . . 19¢**



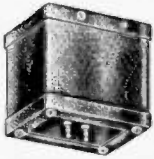
Three sets of SPST normally open contacts, mounted on and insulated from a plated metal bracket, actuated by three trip levers. Originally used in coin slots in electrically controlled coin operated machines. Requires very light pressure to actuate.

**C5918—Your Cost . . . . . 19¢**

**|| SIGN WPB CERTIFICATION ON OUR ORDER BLANK OR ENCLOSE PRIORITY WITH ORDER ||**

# WE CAN SHIP THESE PARTS Today!

## Filter Chokes



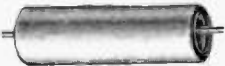
Hermetically sealed fully enclosed filter reactor. 15 henries at 80 ma, with DC resistance of 100 ohms. Insulation tested at 2500 volts 60 cycles RMS. In black wrinkle finish can, 3"x3 1/4"x3 1/4", with four 3/8" tapped mtg. holes on 3 1/4"x2 1/4" centers.

**5B5013—Your Cost..... \$2.95**

Fully enclosed and hermetically sealed. Rated 11 henries at 270 ma, with DC resistance of 90 ohms. Tested at 4000 volts RMS 60 cycles. In Black wrinkle finish can 4 1/8"x4 1/4"x5 5/8", with four 10/32 threaded mtg. holes on 3 3/4"x3 3/4" centers.

**5B5014—Your Cost..... \$5.25**

## "A" Filter RF Chokes



Consist of 30 turns of No. 16 enamel wire completely enclosed in paper tube. Ideal for use in small interference filters as "A" choke in vibrator powered sets.

**C9565—Your Cost..... 29¢**

## 2.0. Millihenry RF Choke



Wound on ceramic form, thoroughly impregnated. D.C. Resistance, 20 ohms. 2.0. MH

at 125 ma. **C10232—Your Cost... 14¢**

## Ribbed Coil Forms

Molded Bakelite, rimmed tops. 2 1/4" high. 1 3/8" in diam.

**C9988—1 pr. } Each... 24¢**  
**C9989—5 pr. }**  
**C9990—6 pr. }**



## Unshielded R.F. Chokes



All purpose unshielded r.f. chokes. Universal-wound, accurately rated and factory tested. Thoroughly impregnated — will give long, trouble free service.

Stock No.	Your Cost
<b>C10133</b> —2.6 Millihenries.....	22c
<b>C10100</b> —8 Millihenries.....	27c
<b>C10135</b> —60 Millihenries.....	39c

## Reliance R.F. Choke



Four pie wound sections on Isolantite form. 2.5 mh., 150 ma. 50 ohms d.c. resis. distributed cap. 1 mmfd.

**C10106—Your Cost..... 15¢**

## ICA 30 MH RF Choke



Wound on ceramic form, with lug terminals. Mounts by means of screw through center hole or two mtg. holes in base.

Rated at 30 mh., with DC resistance of 136 ohms. Maximum DC, 125 MA.

**C10134—Your Cost... 53¢**

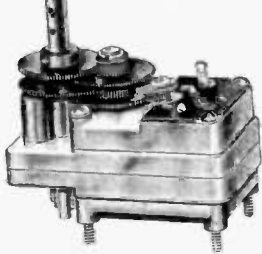
## 80 M.H. ICA R.F. Choke



Particularly designed for short wave but equally effective over the broadcast band. Can be used in any circuit or position. Moisture-proof. Insulux forms are used. Solder lug terminals 80 M.H., 222 ohms and 125 ma.

**C10236—Your Cost..... 59¢**

## 1/20th H. P. MOTOR



Compact 1/20th horsepower induction type AC motor. Operates from 25 to 30 volts AC, 60 cycles. Motor speed 2400 RPM, with gear train driving 1/2" shaft at 24 RPM. Has clutch which disengages motor from gear train when power is removed, and friction brake on gear train which prevents shaft from continuing rotation when power is removed and clutch drops out. For intermittent operation, with thermal cut out which prevents overloads from injuring motor. Measures 2"x1 1/4"x3" overall, excluding shaft, which is 1/2" o.d., extending 2 3/8". For operation in any position but clutch is operative only when the shaft is in a horizontal plane. Mounts by means of four 5/16" Studs extending 3/8" from case.

**C14699—Your Cost..... \$2.50**

## Shielded Microphone Plugs



Used on most home recording combination radios. Two circuit, with metal shielding shell.

**C13822—Two circuit plug, 1/2" spacing between prongs. 9¢**  
**Your Cost.....**

## 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..... 35c

## ALSIMAG COIL FORMS



Beautifully finished ceramic coils form of low-loss Alsimag material, grooved to hold turns firmly in place. For 3/8" mounting holes on each end of form and two 1/4" holes for terminating windings. Ideal for development laboratories, servicemen or experimenters doing high frequency work. You will find it handy to have a few of these various types forms in your shop. All forms are 2" in diameter.

**5B6900**—5 1/4" long, 4 3/8" mtg. centers, 5 grooves per inch, total of 6 grooves.

**5B6901**—Same as above, but with 10 grooves per inch, total of 11 grooves.

**5B6902**—Same as above, but with 5 grooves per inch, total of 10 grooves.

**5B6903**—Same as above, but with total of 9 grooves.

**5B6904**—Same as above, but with 10 grooves per inch, total of 15 grooves.

**5B6905**—Same as above, but with 5 grooves per inch, total of 13 grooves.

**5B6906**—Same as above, but with 10 grooves per inch, total of 26 grooves.

**5B6907**—Same as above, but with 12 grooves per inch, total of 34 grooves.

**5B6908**—Same as above, but total of 35 grooves.

**5B6909**—Same as above, but with 10 grooves per inch, total of 30 grooves.

**5B6910**—6 3/8" long, 5 7/8" mtg. centers. 9 grooves per inch, total of 18 grooves.

**5B6911**—Same as above, but with 8 grooves per inch, total of 15 grooves.

**Your Cost, Any Type..... 29¢**

## "Plastic" I. F. Coils



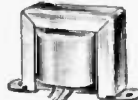
Trimmer base and coil form (dowel) are moulded in one piece. The use of a special plastic material permits holding dimensions to within .0005. Wide range. Compact in size; 1 1/2" square by 2 1/4" high. Specially-served Lits wire. Double tuned. Metal shield can.

**C10382**—Input—Set at KC—456 Range KC—100-550.

**C10384**—Same characteristics as above, but output.

**Your Cost, Either Type..... 65¢**

## 250 Henry C.T. Choke



Fully shielded coupling choke, 250 henrys at 10MA. DC resistance, 1160 ohms. With 6-in. leads, 2 3/4" mtg. centers. Shpg. wt. 1 lb.

**C1608—Your Cost..... 79¢**

## Midget Input Transformer



Compact low impedance to grid transformer, designed for use with small PM dynamic speakers as a microphone input transformer. Matches 6-8 ohms to single

grid. 1 1/4"x1 1/4"x3/4", with color coded leads 3 1/2" long.

**C9562—Your Cost, Each..... 29¢**

## Air-tuned Discriminator Transformer



456 KC for use in AFC systems, etc. Fixed phasing condenser may be removed and transformer used as CT output IF. 1 1/4"x1 1/8"x4 1/2". Wire leads.

**C10143—Your Cost..... 87¢**

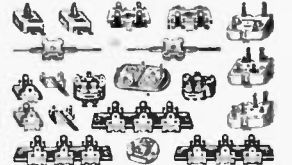
## Quadruple Ceramic Trimmer



Quadruple trimmer, one section 3-30 mmfd., three sections 1-10 mmfd. each. Insulated from mounting bracket.

**C9769—Your Cost..... 6¢**  
10 For..... 55c

## TRIMMER CONDENSER ASSORTMENT



20 Assorted Trimmers and Padders in regularly used capacities. All are mostly ceramic, standard types.

**C10203—Your Cost..... 89¢**

## FULL WAVE VIBRATOR TRANSFORMER



Delivers 250 volts at 60 MA, center tapped primary and secondary. Fully enclosed steel case 2 1/2"x2 1/2"x3". For 6 volt operation.

**5B5000—Your Cost..... 79¢**

## OSCILLATOR TRANSFORMER



Fully enclosed and hermetically sealed. Ideal for code practice oscillator or for tone source in bridges, etc. Operates at two frequencies, 450 and 750 cycles. Tested at 100 volts RMS 60 cycles. In aluminum finish can 2"x2"x2 1/4", with four 6-32 threaded mounting holes on 1 1/4"x1 1/4" centers.

**5B5009—Your Cost..... \$2.95**



# Good News!

# RECORD PLAYERS

# AVAILABLE ON PRIORITY



## Portable Record Player

The MPA-3 phonograph and amplifier is designed especially for portable use, excellent tone quality and durability. It uses an Astatic crystal pickup and is capable of playing 10" or 12" records with the cover closed. 2.5 watts power output is available from the carefully designed 3 tube circuit and a 5" heavy duty speaker is built in the case. Entire unit measures 14 1/4" x 17 1/2" x 7". Operates on 115 volt A.C. 60 cycles.

Model MPA-3 Complete with tubes.  
Your Cost including Federal Excise Tax..... **\$29.37**

## TWO SEPARATE UNITS!

- \* Portable Record Player and Amplifier
- \* Phono-Amplifier with Record Changer

Available on AA3 Priority or better with proper end use.

Here are two typical Concord scoops! Ideal for morale purposes, training programs and other uses that require the use of record playing or amplifying equipment. Both units are quality constructed throughout, ruggedly built and capable of providing years of trouble-free service.

Army, Navy or Marine units, government departments or agencies, schools, industrial companies and others who can supply a priority of AA3 or better with proper end use will find many uses for these units. Submit highest available priority for preferred shipment.

## Amplifier with Record Changer

The MA-35 RC is a complete amplifier with changer-top mechanism capable of playing twelve 10" or ten 12" records. An improved Astatic LP-6 low pressure cartridge with permanent sapphire stylus is used. The amplifier measuring 15" x 15" x 9" is designed for 115 volt A.C. operation to provide 35 watts output. The unit has 2 microphone and 1 phono inputs. The gain of the microphone channel is 125 D.B. and the phono, 78 D.B. Variable output is tapped at 2-4-8-15-500 ohms. Flexibility of operation is maintained by means of five controls; 2 microphone, phono, dual-tone and separate on-off switch. All components designed for 75% overload.

Model MA-35RC with kit of matched tubes. Your Cost **\$87.32**



## Rosin-Core Solder



No. 13 gauge (.092 diam.) rosin-core radio solder, 30-70 grade. Smooth flowing, with uniform rosin flux filler. Spools only.

Available in 20-lb. spools only.  
C1539—Your Cost Per 20-lb. Spool... **\$8.95**

## Rubber Grommets



Insulate holes in 1/4" metal panels, electrical appliances, etc.

C14766 — Fits hole 5/16". Inside diam. 3/8". Per 100..... **65c**  
Per doz..... **16c**

## Colored Grommets

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



No.	Hole Diam.	Lgth.
C14688—Red...	3/8"	3/8"
C14689—Black...	3/8"	3/8"

Your Cost, per doz..... **91c**

C14692—Red...	1/2"	3/8"
C14693—Black...	1/2"	3/8"

Your Cost, per doz..... **\$1.16**

## Bakelite Mounting Strips



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

Stock No.	Lugs	Each	10 For
C13124	1	2c	14c
C13134	3	3c	18c

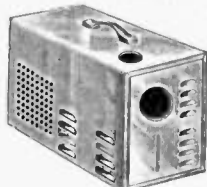
## Live Rubber Mounts



Excellent live rubber mounts for floating gang condensers, sockets, and record changers to prevent microphonics. 5/8-in. high. Specially Priced.

C14798—  
Per Doz..... **10c**  
Per 100..... **60c**

## Chromium Plated Steel Case



A beautifully built, highly polished chromium plated steel case, ideal for test equipment, oscilloscopes, amplifiers, etc. Has removable bottom, ventilating louvers on all sides, particularly sturdy for use with heavy equipment. Measures 9 1/4" high, 7 1/2" wide, and 12 1/2" deep, with 2 1/2" diameter hole in front panel, and 1 1/2" hole in top panel.

C22276—  
Your Cost..... **\$2.95**

## 6 Terminal Strips



Hi-quality bakelite 6 terminal strips, 1/16" thick. Plain, no markings.  
C13113—Each..... **15c**  
10 for..... **\$1.35**



## Mounting Clamp

For 1 1/2" to 1 1/4" condenser.  
C937—Your Cost..... **4c**

## Mounting Lugs



Of heavy plated steel. Hole in flat end for 6-32 screw; with threaded end 6-32.

C14955—  
Per 10..... **5c**  
Your Cost Per 100..... **26c**

## Metal Spring Type Binding Posts



Metal spring type binding post with engraved bakelite top. Overall length 1 1/4". 1/2" threaded stud. MARKED GND, L1, L2, CF1. Slightly imperfect finish. Less mtg. nut.

C13188—Specify Marking.  
Your Cost..... **6c**  
10 for..... **51c**

## STANLEY Door Holder



Stanley No. 456 wrought steel door holder, with rubber stop. Spring action holds stop firmly to floor and positive clamp prevents slipping until released.

C5963—Your Cost  
Ea..... **\$1.19**



## Bantam Tube Shields

Designed especially for the new 1.5 volt and bantam "GT" tubes or other "T-9" bulbs. With short cap and ground clip. For tubes without top grid cap.

C13260—Your Cost..... **4c**  
10 for..... **35c**

## 10/32x3/4" Screws

50 10/32x3/4" Round Head machine screws packed in glass jar with screw-on cap.

C14660—50 screws in jar... **35c**  
Five jars for..... **\$1.65**

## No. 6 PK Tap Screws

50 No. 6x1/4" P-K self-tapping screws packed in glass jar with screw-on cap.

C14666—50 screws in jar... **35c**  
Five jars for..... **\$1.65**

## Hex Nuts

632x1/4" hex nuts.  
C14804—Pkg. of 20. **5c**  
100 for..... **19c**

## GE T3/4 Bulb with Leads

2 Volts .06 Amp. pilot bulb. Without base. Bare wire leads. Pink bead.

C12214—Your Cost..... **8c**

## Renewable Fuses



Und. Lab. inspected ferrule-type fuses with renewable links. Designed for laboratory and industrial applications. To replace blown drop-out links: unscrew threaded end-piece, pull out the old link, insert new link, and screw end-piece in place again. For 250V. circuits. 2" L. Wt. 3 oz.

C12375—3 Amps. **26c**  
C12376—6 Amps. **26c**

## Wheel Static Eliminator



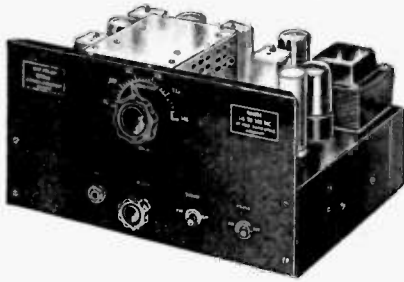
Eliminates front wheel noise. Easy to install in each hub cap. All rust proof.

C5294—  
Your Cost..... **5c**  
10 for..... **45c**

**SIGN WPB CERTIFICATION ON OUR ORDER BLANK OR ENCLOSE PRIORITY WITH ORDER**



# KITS for Radio TRAINING



## V.H.F. FM-AM TRAINING KIT

- ★ FM OR AM OPERATION
- ★ 115 to 140 MC or 88.6 to 107.6 MC
- ★ ACORN TUBES
- ★ SEPARATE TUNING UNIT
- ★ SIMPLE CONSTRUCTION

Concord proudly presents this new very high frequency FM-AM kit which was originally designed for the purpose of instruction in FM receiver construction and high frequency technique. No frills or unnecessary parts are used in this kit—it has been kept down to the bare essentials for efficient operation. Parts of nationally known manufacture used throughout. The most interesting feature of this kit is the high frequency tuning unit, which is designed as a subassembly, complete in itself. It contains all the resistors, coils, the three acorn tubes, tuning condensers and other associated parts in one compact easily constructed unit, which assures ease of construction and ease of accessibility. It is wired to the main IF-AM power supply chassis with only seven wires which connect to a convenient terminal strip. After assembly of this unit it is fastened to the main chassis by means of four screws. A 956 (Acorn) tube is used in the RF amplifier, 1—954 (Acorn) tube in the first detector stage, 1—955 (Acorn) tube in oscillator stage of the H.F. tuning unit. Balance of tubes in the receiver are: 2—6SK7 tubes as IF amplifiers, 1—6H6 discriminator on FM, diode detector on AM, 1—6SJ7 limiter, 1—6C5 audio output, 1—5Y3 rectifier, 1—VR-150-30 voltage regulator. Two controls on front panel are tuning and volume. Change from FM to AM is by means of a toggle switch. Panel size 6½" x 12" finished in dull black with screened white calibrations and nomenclature. Chassis size 10" x 12" x 3" also finished in dull black.

**CRC-130**—Frequency Range 88.6 to 107.6 MC.

**CRC-140**—Frequency Range 115 to 140 MC.

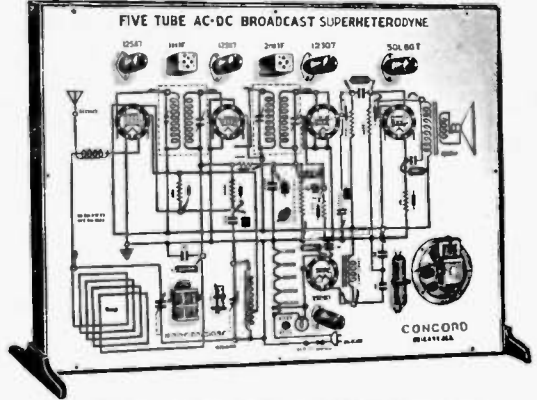
Shipping weight 19 lbs.

Your Cost

**\$54.95**

### NOTE

Lack of space prevents us from listing all the CONCORD KITS that are now currently available. For a more complete listing for schools, government agencies and war training programs, send for our special kit brochures.



## 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.

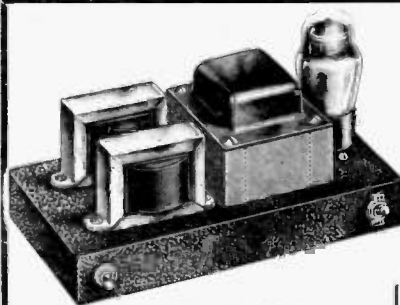
The imprinted 30"x36" Masonite panel mounts in a handsome black-lacquered hardwood frame, doubly reinforced at each corner, which measures 30¾" high, 36¾" long, and 3" deep. The assembled unit may be hung on a wall, or placed on a desk or bench in vertical position. Two removable mounting feet provide 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. Shpg. wt. 39 lbs.

**CRC-80**—CONCORD Demonstrator, in kit form. **\$39.50**

Your Cost

**CRC-81**—As above, assembled and wired. **\$57.50**



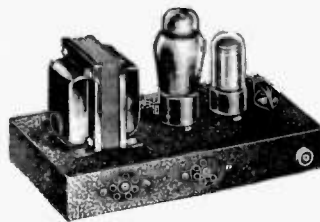
## Power Supply Kits

Companion units to operate CONCORD kits requiring external power source. Tapped variable voltage divider provides intermediate voltages which, with both filament and high voltages, are terminated at a standard 7 prong socket. Three section filter uses two heavy duty chokes. In addition to their use as power source for the CONCORD kits described, these 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: 5" x 9½" x 1½". For 115 volts 50-60 cycles AC.

**CRC-20**—350 V. at 70 Ma and 6.3 V. at 3A. Shpg. wt. 12 lbs. **\$7.75**

**CRC-30**—350 V. at 140 Ma and 6.3 V. at 3A. Shpg. wt. 15 lbs. **\$11.00**

Your Cost

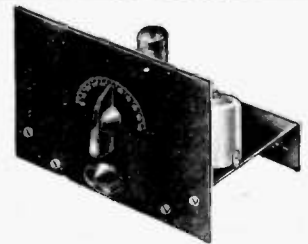


## Audio Amplifier Kit

A high gain two stage resistance coupled amplifier, utilizing a 6SJ7 input stage, and 6F6 output stage. Has sufficient gain to operate with high impedance microphones or phono pickups. Because of its excellent response characteristics and simplicity it is ideal for use in plotting response curves and in teaching basic audio theory. Fully shielded output transformer with 4-8-16-500 ohm output impedances. Can be used to amplify the CRC-10 kits, or as a modulator for the CRC-60 transmitter kit. One CRC-20 supply will operate the unit alone; use two CRC-20 or one CRC-30 supply if used with the CRC-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: 5x9½x1½". Shpg. wt. 8 lbs.

**CRC-40**—**\$7.25**

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 CRC 20 or CRC 30 power supplies. Chassis and panel completely formed and punched. Panel size, 5½"x7"; Chassis 7"x4½"x1½". Complete with tubes, but less headphones and power supply. Shpg. wt. 3 lbs.

**CRC-10A**—One tube kit. **\$4.52**

**CRC-10B**—Two tube kit. Your Cost **\$5.93**

**CRC-10C**—Parts to convert 1 tube into 2 tube. Your Cost **\$1.58**

Your Cost

# JACKS & PLUGS SOCKETS

## U. S. Army and Navy Specification Plugs



Manufactured to meet the very exacting requirements of the U.S. Army Signal Corps and U.S. Navy Specifications. Will fit all standard jacks.

- C149465—PL54 Short 2-way Plug. Your Cost each 79c
- C14966—PL55 Long 2-way Plug Your Cost each 79c
- C14967—PL68 3-way Mike Plug Your Cost each \$1.76



### Midget Jacks

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

### Metal Shell Type

- Same with nicked brass shell  $3\frac{3}{8}$ " x  $\frac{3}{4}$ ". 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  $\frac{3}{8}$ " diameter. Solder lug connections.  
C14960—Black C14963—Red
- Your Cost 10 For \$2.85
- Each 32¢

### Midget Metal Shell

- Same with metal shell.  $2\frac{1}{4}$ " overall x  $\frac{3}{8}$ " diam. 10 for \$3.40.
- C14958 Your Cost 38c



### Flat Plug

Ultra-compact type, for use where space is limited. Molded bakelite body.  $1\frac{1}{2}$ " 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'miters, 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  $3\frac{1}{2}$ "
- C12870—Black & Red 32¢ ea.
- C12871—Black

- Medium Jacks— $2\frac{1}{2}$ " x  $3\frac{1}{2}$ "
- C12872—Black & Red 56¢ ea.
- C12873—Black

- Giant Plugs— $2\frac{1}{2}$ " x  $3\frac{1}{2}$ "
- C12785—Black & Red 44¢ ea.
- C12786—Black

- Giant Jacks— $2\frac{1}{2}$ " x  $3\frac{1}{2}$ "
- C12787—Black & Red 68¢ ea.
- C12788—Black

Space does not permit a complete listing of all available plugs and connectors. Write us regarding your requirements.

# MALLORY PRODUCTS

## Signal Corps Type Jacks

- Phone Jack:** Like Sig. Corps type JK-34A. Takes Mallory 75; W. E. 47A, 47B; Sig. Corps No. PL-47, PL-48, PL-55, PL-148, PL-155
- C6300—Each 29¢
- 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 35¢

## Grounding Jack

- No. GJ-1—For grounding airplanes while re-fueling. Similar in construction to midget jack No. A-1, except for insulations.
- C6339—Your Cost 24¢

## MALLORY 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

## MALLORY 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  $3\frac{1}{2}$ " behind panel. Pure silver contacts. Bakelite separators.

- No. 1. Open Circuit. C6400—Your Cost 35¢
- C6401—No. 2 Circuit Closing. C6402—No. 2A. Two Circuit. Either Type, Your Cost Each 44¢

## MALLORY Junior Jacks

Compact, extend only  $1\frac{1}{8}$ " behind the panel. Heavily plated springs.

- No. 701—Open Circuit. 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¢

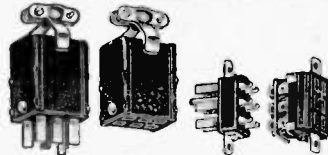
- C6452—No. 703. Single circuit filament control. C6459—No. 703A. Circuit reversing. C6466—No. 703B. 3-circuit Mike, one circuit closing. Your Cost, Any Type 47¢

- 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

## Jones "300" & "400" Series Plugs & Sockets

Multiple contact plugs and sockets in both "400" series heavy duty (25 ampere) and "300" series standard duty (5 ampere) sizes. Cable type plugs and sockets have cable clamps. Chassis type have brackets—heavy duty type at ends—standard duty type at sides.



### TYPE A PLUGS

Standard	Duty	Heavy	Duty
No.	Con-	Stock	Your
	tacts	No.	Cost
C12460	22c	2	C12400 42c
C12461	25c	4	C12401 51c
C12462	29c	6	C12402 60c
C12463	32c	8	C12403 69c
C12464	36c	10	C12404 78c
C12465	40c	12	C12405 87c

### Chassis Type Plug (C)

C12472	10c	2	C12426 27c
C12473	13c	4	C12427 33c
C12474	16c	6	C12428 39c
C12475	19c	8	C12429 45c
C12476	22c	10	C12430 51c
C12477	25c	12	C12431 57c

### Miniature Sockets and Plugs

These are interchangeable with the miniature sockets and plugs (C13335-C13340) listed on this page to the right. The sockets are equipped with push-on mounting rings and can be used with above listed male plugs

### TYPE B SOCKETS

Standard	Duty	Heavy	Duty
No.	Con-	Stock	Your
	tacts	No.	Cost
C12466	22c	2	C12412 45c
C12467	26c	4	C12413 57c
C12468	31c	6	C12414 69c
C12469	35c	8	C12415 81c
C12470	40c	10	C12416 93c
C12471	45c	12	C12417 \$1.05

### Chassis Type Socket (D)

C12478	10c	2	C12406 30c
C12479	14c	4	C12407 39c
C12480	18c	6	C12408 48c
C12481	22c	8	C12409 57c
C12482	26c	10	C12410 66c
C12483	31c	12	C12411 75c

as well as the plain plug listed here. Similarly the plugs listed below can be used with the other miniature female connectors listed to the right.

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

## 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¢

## Miniature Connectors



Molded bakelite connectors in cadmium plated brass shells. Only  $1\frac{1}{8}$ " long,  $1\frac{1}{4}$ " diameter. Bakelite element held in place by set screw. When used with shielded cable, shield can be soldered to shell. Accommodates cables up to  $\frac{1}{4}$ ".

Male	Female	Cont.	Each
C13335	C13337	3	18c
C13336	C13339	4	20c
C13337	C13334	5	22c
C13338	C13340	6	22c

## 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.  $1\frac{1}{4}$ " D.  $1\frac{1}{4}$ " 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  $\frac{1}{4}$ " 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.  $1\frac{1}{2}$ " x  $2\frac{1}{2}$ ".

- C11479—Per Pair 15c

## Shielded Sockets

Similar to miniature sockets and plugs listed to the left but with shield. When used with shielded male connector listed at top of page a completely shielded connection is obtained. Easily mounted.

No.	Type	Your Cost	Each
C12704	3-contact	18c	
C12705	4-contact	18c	
C12706	5-contact	20c	
C12707	6-contact	20c	



# ALL-PURPOSE SOCKETS

## AMPHENOL "MIP"

**"World's Strongest Socket"**

Molded from high dielectric black bakelite, with molded-in plate for 1 1/2" mounting centers. Cannot come loose or rattle. Strong, dependable.



Stock No. Prongs Your Cost, Ea.

C13164	4	<b>6¢</b>
C13165	5	
C13166	6	
C13167	7, small	<b>7¢</b>
C13168	7, large	
C13169	8, octal	
C13223	9	9c
C13224	11	12c

## Midget "MIP" Octal

Smaller, more compact than above. Has 1 1/2" 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¢**



## AMPHENOL Standard Tube Sockets

Type "A" is designed for general replacement work and has a steel adapter plate to fit mounting centers from 1 1/2" to 1 3/4". Type "B" is for new work and requires only a single 1 1/2" hole, being held in place with a retainer ring, unusually easy to mount. Both types available in Bakelite. 9 and 11 prong sockets are for small and large base tubes.



Bakelite "A"		Bakelite "B"		
No. Prongs	Stock No.	Each	Stock No.	
4	C13057	7c	C13207	6 1/2c
5	C13058	7c	C13208	6 1/2c
6	C13059	7c	C13209	6 1/2c
7S	C13061	7c	C13210	6 1/2c
7L	C13060	7c	C13211	6 1/2c
7C	C13056	9c	C13237	8c
8	C13050	9c	C13212	8c
9	C13041	11c	C13213	10c
11	C13042	15c	C13214	14c

## Amphenol Miniature Tube Sockets

For the New RCA, Hytron, Raytheon and Cetron Baby Tubes

For the new miniature tubes of all makes for use in hearing aids, pocket radios, remote controls, measuring devices, etc. All mounting holes 5/8" except Raytheon (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 Hytron Tubes

For HY113, HY115, HY125.  
C11542—Black Bakelite. Ea. 10¢

### 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

## AMPHENOL Above Chassis Sockets



Chassis type bakelite socket, in metal shell, 1/2" above sub-panel. Has 4 knockouts for leads, plus

flange for mounting. Ideal for mounting on work benches, breadboard radios, etc.

No. Prongs	No. Prongs
C13100 4	C13103 7 S
C13101 5	C13104 7 L
C13102 6	

Any Type Above, Your Cost Each... **12 1/2¢**  
C13105—7 L & S, C13106—8 Oct. Either Type Above, Your Cost Each... **14¢**

## Loktal Sockets

Replacement type. With

adapter plate for 1 1/2" to 1 3/4" mtg. centers or ring type without plate for 1 1/2" hole. Bakelite.  
C13040—With Plate. Ea. 11¢  
C13045—With Ring only. Ea. 10c

## Steatite Wafer Socket

Excellent for use at high and u.h.f. Contacts reinforced with cadmium-plated steel springs, recessed to prevent movement. Mountable on metal panel without shorting. 7 prongs. For 829 and 832 tubes.  
C13187—Your Cost... **95¢**

## JOHNSON Miniature Sockets and Shields



Designed for use with the 9000 series and Miniature series tubes,

including 1S4, 1S5, 1T4, etc. Contacts are phosphor bronze, heavily silver plated and are self-aligning. Designed to permit a minimum amount of capacity between contacts, a center shield for grounding and exceptionally low-loss construction.  
C13186—Type 267. Your Cost... **29¢**

No. 277A—Steatite socket with metal mounting ring.  
C13218—Each... **44¢**

No. 277B—Same as above except metal ring extends upward to form a shield base.  
C13219—Each... **47¢**

No. 277S—Miniature socket shield base only.  
C13220—Your Cost... **9¢**

No. 278A—1 1/2" shield for 277B or S.  
C13221—Your Cost... **12¢**

No. 278B—1 1/2" shield for 277B or S.  
C13222—Your Cost... **12¢**

## 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¢**

C14157—Giant 5-prong socket, for RCA 803, RK 28, etc. Your Cost... **\$1.47**

## "CIR" Isolantite

Sockets With Locking Ring

Low loss isolantite sockets can be locked in metal flange. Ideal for h.f. receivers and x'mitters.

No. Prongs	No. Prongs
C14534 4	C14537 7 small
C14535 5	C14538 7 large
C14536 6	C14539 8 octal

Any Type, Your Cost... **27c**

## HAMMARLUND Isolantite Sockets

Ideal lo-loss sockets for improved high frequency reception. Glazed tops, sides; underneath "Ceresin" treated. Subpanel or base mounting. "Guide groove."



No. Pr. Ea.	No. Pr. Ea.
C8496—4 35c	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	<b>24¢</b>
C8046	33005	5	
C8047	33006	6	
C8049	33008	Octal	

## Ceramic Octal Socket

A low loss socket. 1 1/2" mounting centers. Firm gripping positive contacts. Sturdily constructed. Special Value.  
C13108—Your Cost Ea. **14¢**



## Ceramic Sockets

Low loss. Top and sides glazed. Re-enforced springs. 2 1/2" long, 1 1/2" wide. Centers 1 1/2".



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	<b>25¢</b>
C8062 Amphenol	Polystyrene	
Millen—Your Cost... <b>25¢</b>		
Amphenol—Your Cost... <b>18¢</b>		

## NOTE

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

## AMPHENOL 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 1/2" hole—1 1/2" centers.  
C13170—Octal Each... **24¢**  
C13160—Loktal Your Cost Each... **26¢**



## Acorn Clips and Sockets

Acorn Socket—Made of genuine Mycalex. 1 1/2" square for 954 and 955 type tubes. Rugged spring contacts assure perfect connections.



C13171 Your Cost... <b>59¢</b>
C13155—Special grid clip for Acorn tubes. Each... 3c
C13156—Socket and mount for 922, 921 tubes. Your Cost... <b>59¢</b>



# MALLORY SWITCHES YAXLEY

APPROVED RADIO PRODUCTS

## Midget Jack Switches

Same general construction as Junior types. Mount in  $\frac{3}{8}$ " 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¢

## MALLORY Junior Jack Switches



Furnished with black knob; on-off plate. Mount in  $\frac{1}{2}$ " hole,  $\frac{1}{8}$ " deep.

Two Position Switches  
No. Part Type Each  
C6470 720 S.P.S.T. 50.50  
C6471 730 S.P.D.T. .62  
C6472 710 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

## MALLORY Push Button Switches



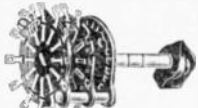
Non-locking Types  
Furnished with black Bakelite knob. Mount in  $\frac{7}{16}$ " hole, panels up to  $\frac{1}{4}$ ".

C6460—No. 2001. Make Contact.  
C6461—No. 2002. Break Contact.  
Your Cost, Either Type.....  
C6462—No. 2003. S.P.D.T.  
Your Cost, Each.....  
C6457—No. 2004. 2-pole, 2-contact.  
Your Cost.....

65¢  
71¢  
85¢

## 24 Point Tap Switch

With Knob and Dial Plate

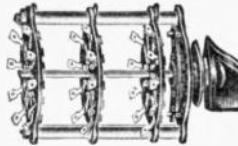


Special single-circuit 24-point non-shorting switch, 3 9" bushing, 2" grooved shaft. Complete with dial plate and bar type knob.  
C6371—  
Your Cost.....

\$1.88

## MALLORY Gang Switches

Contact members are heavily silver plated, and given a smooth hard finish. Contact shoe, of the self-cleaning type, is of silver alloy. All switches are provided with one permanent stop and one adjustable stop. Bushings  $\frac{3}{16}$ " and extend  $\frac{3}{8}$ ". 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 5 points each	.88
C6250	1213L	C6266	1313L	3 Circuit	1 to 3 points each	.97
C6251	1212L	C6267	1312L	4 Circuit	1 to 2 points each	1.03

### TWO GANG SWITCHES

C6252	1226L	C6268	1326L	2 Circuit	1 to 6 points each	1.15
C6253	1221L	C6269	1321L	2 Circuit	1 to 11 points each	1.23
C6254	1225L	C6270	1325L	4 Circuit	1 to 5 points each	1.41
C6255	1223L	C6271	1323L	6 Circuit	1 to 3 points each	1.50
C6256	1222L	C6272	1322L	8 Circuit	1 to 2 points each	1.59

### THREE GANG SWITCHES

C6257	1236L	C6273	1336L	3 Circuit	1 to 6 points each	1.56
C6258	1231L	C6274	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

## MALLORY Ceramic Switches



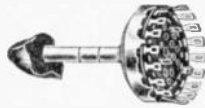
Low loss ceramic insulation, wide contact spacing, improved heavy silver plated contacts. For transmitters with power up to 100 watts. 4 contacts per circ. With knob.

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¢

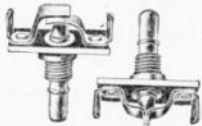
## "3100" Series Single-Gang Tap and Circuit Selector Switches



Suitable for use in many types of test circuits. 2" notched shafts,  $\frac{1}{4}$ " diam. With black bar knob and mounting nut,  $\frac{3}{16}$ " bushings. Same features as gang switches (listed above). \*—Have adjustable stop.

Shorting Stock No.	Type	Non-Shorting Stock No.	Type	Circuits	Contacts Per Circuit	Base Diam.	Your Cost
C6878	3115J	C6888	3215J	One	5	1 1/8"	\$0.53
C6879	3112J	C6889	3212J	One	12	1 1/8"	.53
C6990	3122J	C6890	3222J	Two	3	1 1/8"	.53
C6991	3123J	C6891	3223J	Two	3	1 1/8"	.53
C6880	3124J	C6892	3224J	Two	6	1 1/8"	.65
C6881	3134J	C6893	3234J	Thro	4	1 1/8"	.65
C6882	3142J	C6894	3242J	Four	2	1 1/8"	.65
C6883	3143J	C6895	3243J	Four	3	1 1/8"	.65
C6884*	3117J	C6896*	3217J	One	17	1 1/8"	.97
C6885*	3129J	C6897*	3229J	Two	9	1 1/8"	.97
C6886*	3136J	C6898*	3236J	Three	6	1 1/8"	1.06
C6887*	3143J	C6899*	3243J	Six	3	1 1/8"	1.06

## Centralab Momentary Push Switches



For many light duty applications such as meter insertion, test equipment, etc. Rated 1 amp. at 110 v. a.c. Silvered contacts. Insulated  $\frac{3}{8}$ " bushing,  $\frac{3}{8}$ " long. Button extends  $\frac{1}{2}$ " from end of bushing. Available with contacts normally closed or open.

C12867—Normally open  
C12862—Normally closed  
Either Type, Your Cost, Each.....

29¢

## CENTRALAB "Positive" & "Spring Return" Switches



Each switch supplied with knob. Plates available for mounting singly or in groups up to five.

Shorting Type No.	Non-Shorting Type No.	Poles	Pos.	Action	Your Cost
C12825	2	3	Positive	C12799	29c
C12826	2	3	Spring	C12800	35c
C12801	4	2	Spring	C12802	44c
C12804	4	2	Positive	C12803	44c
C12805	2	3	Pos. & Spr.	C12806	59c

### Mounting Plates

No.	Gangs	Dimen.	Each
C12794	1	2 1/2 x 3 1/2	12c
C12795	2	1 1/2 x 3 1/2	18c
C12796	3	2 1/4 x 1 1/2	21c
C12797	4	3 x 2 1/4	26c
C12798	5	3 1/2 x 3	29c

## CENTRALAB Tone Switches



Rotary Action  
All are shorting type; have  $\frac{3}{8}$ " dia. bushing with  $\frac{1}{4}$ " insulated steel shaft, 2 1/2" 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.	35c
C12772	D.P. 2 pos.	44c
C12773	4 P. 2 pos.	59c

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.

## 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  $\frac{1}{8}$ " overall dia. 1 1/2" x 8 position. Single Pole.  
C12669—  
Your Cost.....

44¢



# RADIO and POWER SWITCHES

## Tork Electric Time Switches

Self-starting, for automatic control of solenoid valves, signs, stokers, etc. Shown with cover off. For 110 volts 60 cycles. 8 1/2" x 5 1/2" x 3 1/2". Shpg. wt. 8 lbs.



**C15600**—No. 191B, 20 amps. capacity. For general use. Single Pole on-off switch. **Your Cost Each... \$9.10**

**C15601**—No. 962B, Double Pole, 20 amps. per pole. **Your Cost Each... \$10.50**

Poultry House Lighting Timer. For morning and evening operation. Bright light circuit 2000 watts, Dimmer circuit 800 watts.

**C15602**—No. 5191BP. **Your Cost Each... \$12.95**

## Standard MU-Switch

Light pressure, quick action precision units. Require only 4 oz. pressure and .001" of movement to operate. Underwriters approved. Rated 15 amps. at 125 volts a.c.; 1/2 H.P. inductive loads at 125-460 v. a.c. Bakelite case 1 1/2" x 1 1/2" x 1 1/2" high. Screw terminals with lugs. Used for sorters, counters, float controls, etc.



No.	Type	Normal	Each
<b>C12725</b>	S.P.S.T.	Closed	<b>90¢</b>
<b>C12726</b>	S.P.S.T.	Open	
<b>C12727</b>	S.P.D.T.		<b>\$1.08</b>

## 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.

## CUTLER - HAMMER Switches

Cutler-Hammer Switches are approved by the Underwriters.



**Toggle Switches**  
Approved type with nickel plated metal parts. All rated at 3 amperes at 250 volts except **C12834** (3 amps. at 125 v.). Stems 1/8" diam.

**Single Pole-Single Throw**  
**C12836**—1/2" Stem  
**Your Cost, Each... 22¢**  
10 for... \$1.98

**C12835**—1" Stem  
**Your Cost, Each... 25¢**  
10 for... \$2.25

**Single Pole-Double Throw**  
**C12834**—1/2" Stem  
**Your Cost, Each... 26¢**  
10 for... \$2.34

**Double Pole-Double Throw**  
**C12833**—1/2" Stem  
**Your Cost, Each... 44¢**  
10 for... \$3.96

**Double Pole-Single Throw**  
**C12817**—1/2" Stem  
**Your Cost, Each... 42¢**  
10 for... \$3.78

## C-H Power Switches

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



No.	Type	Amps.	Es.	10 For
<b>C12813</b>	S.P.S.T.	6	45c	\$4.05
<b>C12814</b>	D.P.S.T.	5	49c	4.41
<b>C12815</b>	S.P.S.T.	12	78c	7.02
<b>C12816</b>	D.P.S.T.	10	83c	7.47

## Midget Knife Switches

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



No.	Type	Each
<b>C16842</b>	S.P.S.T.	15c
<b>C16843</b>	S.P.D.T.	32c
<b>C16845</b>	D.P.S.T.	38c
<b>C16844</b>	D.P.D.T.	40c

## Porcelain Base Knife Switches

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



Stock No.	Type	Your Cost
<b>C16820</b>	S.P.S.T.	13c
<b>C16821</b>	S.P.D.T.	16c
<b>C16822</b>	D.P.S.T.	23c
<b>C16823</b>	D.P.D.T.	27c
<b>C16825</b>	3-P.D.T.	53c

## 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.



**C12837**—**Your Cost Each... 17¢**

## S.P.D.T. Switch

Exposed type. Dead center position. 1/2" shaft, with hex. nut.



**C12832**—**Each... 24¢**  
10 for... \$2.16

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

## S.P.S.T. Slide Switch

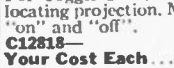
Approved by Underwriters. Bakelite case, metal "on-off" plate. 6 amps., 125 v. Requires 3/8 x 1/2 hole.



**C12841**—**Your Cost... 37¢**  
10 for... \$3.35

## "On-Off" Switch Plates

For Toggle Switches. With locating projection. Marked "on" and "off".



**C12818**—**Your Cost Each... 2¢**  
10 for... 15c

## Canopy Switch

Rotary type, composition top. Very shallow. Wire leads. Rated 3 amp. at 125 volts.



**C13342**—**Each... 12¢**  
10 For... \$1.08

## Bakelite Knife Switches

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



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

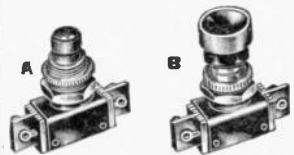
## Bat-Handle Toggle Switches



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
<b>C12760</b>	S.P.S.T.	32c	\$2.88
<b>C12761</b>	S.P.D.T.	41c	3.69
<b>C12762</b>	D.P.S.T.	50c	4.50
<b>C12763</b>	D.P.D.T.	66c	5.94

## H & H Two Circuit Push Switches



In normal position, with plunger out, one circuit is "on", and the other "off". When plunger is depressed, circuits are reversed. Slow make, quick break momentary contacts. Rated 6 amps. at 125 v. a.c. Bushing 1 1/2" dia., 3/8" long.

## METAL PLUNGER (A)

Used on Supreme instruments and other popular makes.

**C12774**—**Each... 35¢**  
10 For... \$3.15

## BAKELITE TIP (A)

**C12777**—Red **Each... 37¢**  
**C12778**—Black **Each... \$3.33**

## BAKELITE BUTTON (B)

**C12775**—Red **Each... 42¢**  
**C12776**—Black **Each... \$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
<b>C12779</b>	S.P.S.T.	22c	\$1.98
<b>C12693</b>	S.P.D.T.	26c	2.34
<b>C12780</b>	S.P.S.T.*	29c	2.61
<b>C12781</b>	D.P.S.T.	42c	3.78
<b>C12782</b>	D.P.S.T.*	47c	4.23
<b>C12783</b>	D.P.D.T.	45c	4.05
<b>C12784</b>	D.P.D.T.*	49c	4.41

\*Bushing extends 1". Others, 3/4".

## CLAROSTAT Rotary Switches

Compact, positive contact Underwriter's Approved Switches. Bakelite molded construction. Rated 1 amp., 250 volts; 3 amps., 125 volts. 1 1/2" diam., 3/8" body depth; bushings are 3/8" diam. 1 1/2" shaft.



Stock No.	Description	Each
<b>C12845</b>	S.P.—S.T.	29c
<b>C12846</b>	D.P.—S.T.	35c
<b>C12847</b>	4-P.—D.T.	35c
<b>C12848</b>	S.W.—S.T.	35c

## SPST TOGGLE SWITCH

Manufacturers type with 6" stranded insulated wire leads. Rated 3 amps 250 volts, 3/8" threaded shank, 1/2" long. Bright nickel plated finish.



**C12688**—**Your Cost Each... 22¢**  
10 for... \$1.98

## JONES Terminal Strips

No. 140—3/8" wide by 1 1/2" high. Terminals are mounted on 3/8" centers. 1/4" metal to metal spacing over bakelite. Screws are 5/40x3/8".

No. 141—1 1/2" wide by 1 1/2" high. Terminals mounted on 3/8" centers. 3/8" metal to metal spacing over bakelite. Screws are 6/32x3/4".

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

## Terminal Strips



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

No.	Terminals	Each	10 For
<b>C13145</b>	2	6c	52c
<b>C13123</b>	3	7c	62c
<b>C13112</b>	4	10c	89c
<b>C13113</b>	6	15c	\$1.35

## BAKELITE MOUNTING STRIPS



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

Stock No.	Lugs	Each	10 For
<b>C13124</b>	1	2c	14c
<b>C13133</b>	2	3c	16c
<b>C13134</b>	3	3c	18c
<b>C13135</b>	4	4c	33c
<b>C13137</b>	6	4c	33c

## Heavy Bakelite Strips



Screw and collar terminals mounted on 3/8" bakelite strips, 3/8" wide.

No.	Terminals	Each	10 For
<b>C13140</b>	2	10c	89c
<b>C13141</b>	3	13c	\$1.15
<b>C13142</b>	4	18c	1.60
<b>C13143</b>	5	21c	1.85
<b>C13144</b>	6	24c	2.15
<b>C13230</b>	7	29c	2.60
<b>C13231</b>	8	35c	3.15
<b>C13232</b>	9	40c	3.55
<b>C13233</b>	10	46c	4.00

During the present emergency, we must reserve the right to substitute equal quality whenever necessary.

# RACKS · PANELS · CABINETS

## Ripple Finish Steel Cabinets

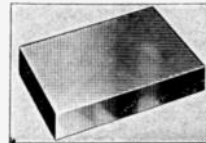
Sheet steel with spot welded reinforced corners. Covers removable, held by self-tapping screws.

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

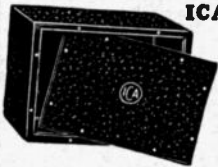
Here's your chance to buy all purpose radio chassis, un-drilled, at unusually low prices. All have re-inforced spot welded corners for extra strength.



Three types available: **Template** is steel with lead plating; **Electralloy** is a non-magnetic zinc alloy; also in **black wrinkle** finish **Template**.

## 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.

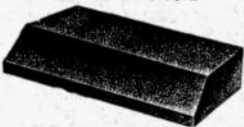


- ★ Sheet Steel
- ★ Spot Welded Corners
- ★ Removable Tops, Bottoms

No.	Size	Shpg. Wt.	Each
C22200	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.	Template		Electralloy		Black Wrinkle	
				No.	Each	No.	Each	No.	Each
5	x 9	1/2	x 1 1/2	C22299	\$0.48	C22320	\$0.75	C22306	\$0.57
5	1/2	x 10	x 3	C22300	.57	C22321	.99	C22307	.65
7	x 7	x 2	3 lbs.	C22301	.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	C22333	1.26	C22309	.75
7	x 13	x 2	4 lbs.	C22327	.67	C22334	1.20	C22252	.80
7	x 17	x 3	5 lbs.	C22303	.76	C22335	1.75	C22313	.91
10	x 12	x 3	5 lbs.	C22328	.75	C22336	1.79	C22253	.99
10	x 14	x 3	6 lbs.	C22304	.77	C22337	1.89	C22318	1.08
10	x 17	x 3	6 lbs.	C22329	.90	C22338	1.95	C22254	1.12
10	x 23	x 3	7 lbs.	C22330	.98	C22339	2.25	C22255	1.24
13	x 17	x 3	7 lbs.	C22305	.99	C22340	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 1/2" D, 4 1/4" W, and 4 1/2" H. Meter Hole 2 1/8". **Your Cost... \$1.32**

## ICA Chrome Handles

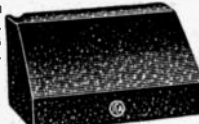
A beautiful adornment for any cabinet, amplifier chassis transmitter, etc. With mtg. screws, 5 1/2" l. x 1/2" w. Mtg. centers 4 1/4". **C14563—Your Cost... 41¢**



## ICA Sloping Panel Steel Cabinets



Streamlined cabinets with rounded corners. Compact and rugged. For use as speaker cabinets, oscillator cases, monitors, tele-talk systems, small receivers, etc. Both have marine gray ripple finish.



C22097—(Left), 4 1/4" x 4 1/2" x 4 1/4". Shpg. wt. 2 lbs. Your Cost... \$1.26  
C22098—(Right), 7 1/2" x 7 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 3/8" thick, finished in Black Ripple.

**Bakelite:** Fine grade bakelite, black finish panels, 3/8" thick. Also suitable for test instruments, meters, etc.

### MASONITE PANELS

Size	Stock No.	Each
7x10"	C22280	\$0.59
7x12"	C22281	.65
7x14"	C22282	.73
7x18"	C22283	.88
7x21"	C22279	.97
7x24"		
7x30"		

### BAKELITE PANELS

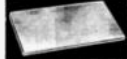
Wts.	Stock No.	Each
3/8 lb.	C19600	\$1.32
1 lb.	C19601	1.62
1 lb.	C19602	1.91
1 lb.	C19603	2.41
1 1/2 lbs.	C19604	2.73
1 1/2 lbs.	C19605	3.23
2 lbs.	C19608	3.97

## MASONITE Relay Rack Panels

As above, but with amateur standard notching.

Stock No.	Size	Each	Stock No.	Size	Each
C22287	1 1/2" x 19"	\$0.47	C22284	8 1/2" x 19"	\$1.03
C22288	3 1/2" x 19"	.59	C22285	10 1/2" x 19"	1.18
C22289	5 1/2" x 19"	.73	C22286	12 1/2" x 19"	1.18
C22277	7" x 19"	.85			

## MILLEN Quartz "Q" Sheet



For panels, condenser mtg., insulation, etc. Drills and cuts rapidly. Quartz "Q" is a highly polymerized styrene having remarkable low R.F. loss and high resistance to voltage breakdown. Size: 3x8 1/2"; 1/10" thick.

C2024—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 1/8" or 1/4" hole to fit 3/8" or 1/2" cap screw; 3/8" or larger hole to fit 3/4" cap screw. Each size tool consists of the punch, die for supporting the metal and cap screw. Shpg. wt. 2 lbs.



C15131—3/8" Complete  
C15132—1/2" Complete  
Either Above, Each... **\$1.72**  
C15135—Screw for 3/8" and 1/2" Punches, Each... 20¢  
C15136—1" Complete... \$1.88  
C15138—1 1/4" Complete  
C15139—1 1/2" Complete  
C15140—1 3/4" Complete  
C15141—1 1/2" Complete  
Any Above, Each... **\$2.00**  
C15142—1 3/4" Complete... \$2.28  
C15143—1 3/4" Complete... 2.56  
C15118—Screw for 1" to 1 1/2" inclusive, Each... 20¢  
C15146—2 1/4" Complete... \$4.96  
C15147—Screw for 2 1/4" Punch. 40¢

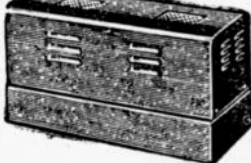
## Chassis Shearing Punch

Cuts any size odd shape hole (square, rectangular, hexagon, etc.), on any size panel or chassis. Only hammer is necessary. Can be used in a punch press. Wt. 5 lbs.



C15067—Your Cost Each... **\$9.70**

## ICA Standard Amplifier Foundation Chassis

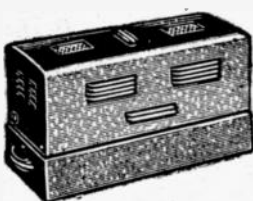


Streamlined amplifier chassis and covers, with new decorative grille-type ventilators. Chassis stamped from one piece cold-rolled steel, finished in black ripple. Covers are 6" deep and slate gray, presenting a contrasting two-tone effect. Chassis are drilled for bottom plates (not supplied) see listing on page 74. Chassis height 3".

No.	Size	Wt.	Each
C22132	5 1/2" x 10" x 9"	9 lbs.	\$2.12
C22138	8" x 12" x 9"	10 lbs.	3.09
C22135	7" x 17" x 9"	11 lbs.	3.18
C22136	10" x 14" x 9"	11 lbs.	3.44
C22137	10" x 17" x 9"	13 lbs.	3.62

## ICA DeLuxe Amplifier Chassis

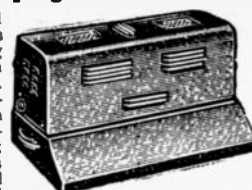
Chassis is of one-piece cold rolled steel, with reinforced corners. Finished in rippled black; cover in slate gray with polished striped chromium molding and red striped chromium handles. All covers 6" deep. Chassis drilled for bottom covers (not supplied); see listing on page 74. Chassis height 3".



Stock No.	Size	Shpg. Wt.	Each
C22183	5 1/2" x 10" x 9"	9 lbs.	\$3.62
C22139	8" x 12" x 9"	11 lbs.	4.70
C22185	7" x 17" x 9"	11 lbs.	4.85
C22186	10" x 14" x 9"	11 lbs.	5.29
C22187	10" x 17" x 9"	13 lbs.	5.59

## ICA Sloping Chassis Units

Deluxe steel amplifier units with sloping fronts on chassis bases. Bases equipped with chrome trimmed handles; top covers have beautiful chrome plated "air gate" ventilators with red striped chrome trim. Ventilating louvres on sides and back. Raised screen openings on top, with red striped chrome molding. Rounded corners. Marine gray ripple finish. All have 4" slope; bases 3 1/2" high.



No.	Overall	Bottom	Wt. Lbs.	Each
C22131	7x17x9 1/2"	10x17"	11	\$5.35
C22134	10x14x9 1/2"	13x14"	11	6.03
C22147	10x17x9 1/2"	13x17"	11	6.47



# OSCILLOSCOPES

## DUMONT 3 Inch Oscillograph

**Model 164E.** Employs 250 1A3 (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:  $11\frac{1}{2} \times 7\frac{1}{2} \times 13\frac{1}{2}$ ". With tubes. Shpg. wt. 25 lbs. **\$64.50**  
**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** ..... **567.75**



## 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,  $14\frac{1}{2} \times 8 \times 19\frac{1}{2}$ ". For 110-120 volts, 50/60 cycles. With tubes, C-R tube and special input cable. Wt. 30 lbs.  
**C21438—Your Cost** ..... **\$160.00**



## RCA Model 155C Oscillograph

**3" Model 155C:** Employs 906P1 tube and two 6SJ7's for vertical and horizontal amplifier stages, one 6C8G 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:  $15 \times 8 \times 14$ ". Complete with tubes and instructions. Shpg. wt. 32 lbs.  
**C21447—Your Cost** ..... **\$78.00**



## DUMONT Electronic Switch and

**Model 185A.** Permits the simultaneous observation, for purposes of comparison, of two or more independent signals on the screen of a single cathode ray oscillograph. As a Square Wave Generator, square wave signals may be used in studies of the performance characteristics of vacuum tube amplifiers and other networks over a range of 10 to 500 c.p.s. Switching rate 10-2000 times per second. Input resistance 100,000 ohms. Output resistance 50,000 ohms. All controls and connections on front panel. For 115 V. 40-60 cycles. Complete with 2, 6V6, 2, 6J5J, 2, 6J1, 1, 80 Tubes. Black wrinkle finish steel cabinet.  $11\frac{1}{2} \times 7\frac{1}{2} \times 13\frac{1}{2}$ ". Has carry handle. Wt. 17 lbs.  
**C21783—Your Cost** ..... **\$71.50**

## Square Wave Generator



## 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.  $11 \times 13 \times 15\frac{1}{2}$ ". Shpg. wt. 5 lbs.  
**C21441—Your Cost** ..... **\$102.02**  
**Complete**



# PORTABLE VOLT-OHM MILLIAMMETERS

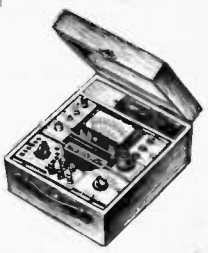
## GENERAL ELECTRIC UM3 Unimeter

Completely portable all around utility instrument ideally suited for "on the job" service work in the field. Unit has a large faced easily read meter and instrument panel calibrated and laid out to reduce the error possibility in readings. Clear separation of all functions and ranges avoids possibility of applying high voltage when making current or resistance measurements. Zero reset control. Scales in alternate red and black. The values most used fall in the upper part of the scale. (55) Range DC volts 0-2 $\frac{1}{2}$ -10-50-250-1000-2500. 2000 ohms per volt. AC volts same at 1300 ohms per volt. Resistance 0-100,100,000. 1 Megohm with self contained battery. With external batteries the range can be easily raised to 30 megohms. (68) 0-1-10-100 milliamperes. 0-1-10 ampere. 12 to  $\pm 51$  Decibels in 5 ranges, 6 milliwatts into 500 ohms is used as 0 reference level. Accuracy 2% on DC, 5% on AC. Steel case, gray wrinkle finish with removable snap cover. Complete with test probes and leads but less battery. Uses 6 volt battery.  $9 \times 10 \times 4\frac{1}{2}$ ". Wt. 9 $\frac{1}{2}$  lbs.  
**C21515—Your Cost** ..... **\$31.50**



## 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. 25/1000/1000/10,000 henrys. Open face bench type hardwood case  $9\frac{1}{2} \times 9 \times 5\frac{1}{4}$ ". 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**



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

Has 1000 ohms per volt sensitivity. Ranges: DC Volts—0/5/50/250/500/1000 DC Milliamperes—0/1/10/100/1000. DC Amps—0/1/10. AC Volts—0/10/100/500/1000. 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:  $3 \times 8\frac{1}{2} \times 5\frac{1}{2}$ ". Shpg. wt. 5 lbs.  
**C10503—Your Cost** ..... **\$13.18**



## DEPENDABLE Model 422

3" square meter with 200 microampere movement has 5000 ohms per volt sensitivity on DC voltage measurements. DC MA 1-10-100. DC Amps. 1-5-25. DC volts 2.5-10-50-1000-5000 at 5000 ohms per volt. AC volts 10-50-250-1000-5000 at 1000 ohms per volt. Output volts 10-50-250-1000. AC amperes 1-5-25. Resistance, 0-1000, 0-100,000, 0-10 megs., with first division equal to 2 ohm. Natural wood case.  $6\frac{1}{2} \times 7 \times 2\frac{1}{2}$ ". Strap handle.  
**C21673—Your Cost** ..... **\$28.91**



## DEPENDABLE Model 420 A.C.-D.C. Multitester

A small pocket type tester, convenient to carry, yet with accuracy comparable to larger testers. Basic meter is 0-400 microamperes, accurate to within 2%. Voltages multipliers are metallized matched pair resistors having a tolerance of 1%. DC volts, 0-2.5-10-50-250-1000-5000. DC milliamperes 0-1-10-100-1000. Ohmmeter 0-500-100,000-1,000,000. AC volts 0-10-50-250-1000-5000. Output volts 0-10-50-250-1000-5000. Decibel meter: minus 10 to plus 69 Decibels.  $6\frac{1}{2} \times 3\frac{1}{2} \times 3\frac{1}{2}$ ". Wt. 25 oz.  
**C10500—Your Cost** ..... **\$19.55**



## SIMPSON Model 260 Volt-Ohm Milliammeter

A high sensitivity tester with negligible current consumption which assures accurate full scale readings. Ranges:—Volts AC and DC 0-2.5, 10, 50, 250, 1000, 5000 at 20,000 ohms per volt DC and 1000 ohms per volt AC. Output AC volts 2.5, 10, 50, 250, 1000, 5000, milliamp. DC: 0-10, 100, 500. Microamp. DC 0-50, 100. DB. 5 ranges—10 to +52. Ohms: 0-1000, 0 100,000, 0-10 megohms. Size  $5\frac{1}{2}$ " wide, 7" long, 3" deep. Wt. 2 $\frac{1}{2}$  lbs.  
**C21713—Your Cost** ..... **\$32.58**







# 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 1/2". With output cable, complete instructions. Shpg. wt. 19 lbs.

**C21667—Your Cost \$48.41**

## TRIPLETT 1632 Sig. Generator

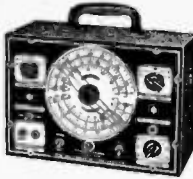
Continuous coverage from 100 kc to 120 mc. Metered output to multiplier and attenuator. Output available at end of coaxial cable.



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

**C21789—Your Cost \$86.08**

## R.C.P. MODEL 704 Signal Generator



Range: 95 K.C. to 100 M.C. Fundamental frequencies continuously variable from 95 K.C. to 25 M.C. in 5 bands. Calibration accurate to 2% per band up to broadcast band and within 3% for high frequency bands. 400 cycles or 1000 cycles sine wave output is available for external use. Five step, ladder attenuator is used for controlling output. Has pilot lite "on-off" indicator and double fused, line cord. Steel case and panel. 8x11 1/2 x 5" Shpg. wt. 16 lbs.

**C21720—Your Cost \$45.57**

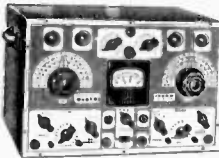
## HICKOK MODEL 19X Microvolt Signal Generator



Crystal controlled calibrated output from 100 kc to 30 mc on fundamentals with an accuracy of better than .01%. Self-contained vacuum tube voltmeter and power level meter give complete measurement of receiver gain-per-stage, selectivity and sensitivity. Calibrated output ranges on RF, 1/4 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**

## R.C.A. Rider Chanalyst



Famous Rider Chanalyst permits same systematic method of analysis on any type of radio. Every point can be tested without interfering with operation of receiver. Various conditions can be determined at tube elements while signal is present. Checks presence or absence of signal, operating and control voltages. Also the operation of various types of filter circuits at radio, intermediate or audio frequencies. Saves time in the shop by enabling you to locate causes of failure in minutes instead of hours. Solves the problem of intermittent reception quickly and more positively than any other method. Complete with test leads and prods and complement of 12 tubes. Gray crackle finished steel case with carrying handles. 9"x16"x10 3/4". Wt. 28 lbs.

**C21666—Your Cost \$107.50**

## 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 1/4%. With crystal in use, 100 kc or 1000 kc beats are available with accuracy better than .01% from 100 kc to 100 mc. 150 kc standard sweep from 1000 kc to 133 mc; 30 kc sweep for visual alignment of AM receivers. AF output available at 400 cycles fixed and 100 to 10,000 cycles variable with accuracy within 5%. Power Level meter range from -10 to +38 db. Synchronized sweep voltage for oscillograph use. Provision for VR-130 voltage regulator. For 110/120 volts, 40/60 cycles. With tubes, cables and instructions. Case 13x13x7". Wt., 26 lbs.

**C21788—Your Cost \$72.32**

## R.C.P. Electronic Voltmeter Ohmmeter Capacitometer Model 663A

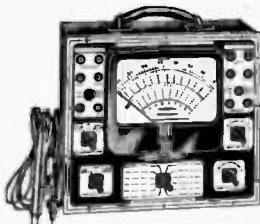


A vacuum-tube tester giving accurate readings on AC or DC voltages, resistance and capacity. Matched pair multiplier resistors accurate within 1%. Ranges: D.C. volts 0-6-30-150-600-1500-6000. A.C. volts 0-3-6-30-150-600-1500-6000. Direct reading. Input resistance 160 megohms (high ranges) 16 megohms (low ranges). Measures signal and output voltages. Ohmmeter range 1 to 1000 megohm in seven ranges: 0-1000-10,000-100,000 ohms. 1-10-100-1000 megohms. Capacity range: 0-.002-.02-2-20-200-2000 mfd. Direct reading in microfarads. Operates on 110 volt 60 cycle AC. Size 9 3/4" x 9 1/2" x 7 3/4". Wt. 7 1/2 lbs. Complete with leads, tubes, pilot light and batteries.

**C21793—Your Cost Each \$54.39**

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

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

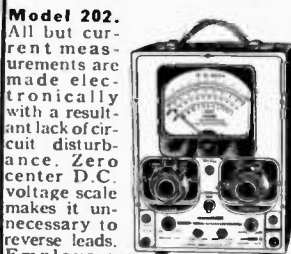


Employs 8 1/4" meter and a voltage regulated power supply. Ranges: eight zero-center vacuum-tube voltmeter ranges 0/3/6/12/60/300/600/1200/6000 volts at 13 to 133 meg. input resistance; six circuit probing zero-center ranges, sensitivity as above, using coaxial cable for measurement in AVC, AFC, FM and 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/100 to 6000 volts D.C. current 0/600 microamps, 0/3/12/60/300/1200 ma., 0/12 amperes; output ranges from -26 to +70 db. Shpg. wt. 20 lbs.

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

**Model EV-10P**, as above, in hardwood 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. Milliampers** 0/2.5/10/250/1000. With shielded test probes. Size: 11x8x7". Wt. 17 lbs.

**C21465—Your Cost \$46.30**

**RF-10 PROBE:** for Precision EV-10 (at left). For measurement of R.F. and U.H.F. voltages. With 955 acorn tube. **C21784—Each \$15.04**

## RCA Junior Volt-Ohmmist



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

**C21770—Each \$37.50**

**NOTE: Most Test Instruments are currently available only with priority or authorization on WPB form 3243 which is very simple to fill out.**

**|| SIGN WPB CERTIFICATION ON OUR ORDER BLANK OR ENCLOSE PRIORITY WITH ORDER ||**

# Modern ★ TEST INSTRUMENTS

ALL-PURPOSE

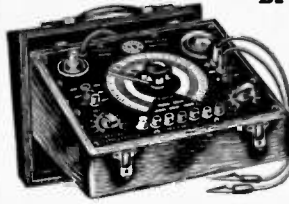
## SPRAGUE DeLuxe "TEL-OHMIKE"



"Tel-Ohmike" provides a simple, accurate means for measuring capacitance and resistance and incorporates a **built-in d.c. volt-milliammeter**. It will measure capacitances on direct reading scales from .00001 to 2,000 microfarads. Checks paper, mica, oil, wet and dry electrolytic condensers. Measures d.c. resistance from 1/2 ohm to 5 megohms, and insulation resistance up to 1,000 megohms. Provides power factor and leakage tests. Built-in power supply (up to 1000v.) permits checking under direct working conditions. A "magic eye" indicates circuit resonance. The **volt-milliammeter** has a switch providing 8 ranges: 0/15/50/500/1500 volts d.c. and 0/1.5/15/50 d.c. ma. Switch and pin-jacks permit use of volt-milliammeter for external measurement. Attractive portable case 17 1/2"x9"x6". 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"x12x9 1/2". Shpg. wt. 11 lbs. **C21727—Your Cost, Less Tubes.....\$29.28**

"BN" Capacitor Bridge listed on Page 12.

### 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"x14 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**

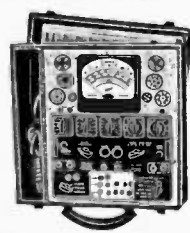
### TRIPLETT Model 1612 Tube Tester



Deluxe counter checker with 7 "Red Dot" lifetime meter having a 6 "GOOD-BAD" scale. Speed-roll chart permits 36 readings at a glance. Tests all present day tubes including loktals, Bantam, Jr., miniatures and 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"x11 1/2"x6". Shpg. wt. 32 lbs. **C21685—Your Cost.....\$32.18**

**MODEL 1613**—Same as above, in Portable case, 15 1/2"x11 1/2"x6 1/2". Shpg. wt. 35 lbs. **C21686—Your Cost.....\$37.57**

### HICKOK Model 510X Radio Tube and Set Tester



"Hickok" incorporates an electronic rectifier which can't be burned out. This new type tube tester measures the dynamic mutual conductance in micromhos. Checks db output, res. voltage, cap. cond. leakage, and inductance. Has a 5 inch meter. AC operated. Ranges: Volts: 0-20-200-500-1000 AC and DC, 1000 ohms per volt all scales. D.C. M.A., 0-20-200. Ohms, 1/100 to 25 megohms. Capacity, 100 mmfd. to 24 mfd. 14"x13 1/4"x6". Wt. 21 lbs. **C21638—Your Cost.....\$71.74**

### 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 of art with each. Rating 600 V. DC-220 V. AC; Tolerance ±5%. Walnut Bakelite case, dim.: 3 3/8"x5x3". Wt. 4 lbs. **C21729**—0.11 mfd. in .0001 steps. **C21730**—1.1 mfd. in .01 steps. **Your Cost.....\$6.35**  
**C21731**—10.0 mfd. in 1.0 mfd. steps. **Your Cost.....\$11.29**



### Solar CE Exam-eter

Detects defective condensers in static or dynamic conditions. Capacity: 10 mmfd to 2000 mfd. in four ranges. Resistance: 50 ohms to 10,000 megohms in five ranges. Insulation resistance over 7.5 megohms and leakage current over 50 ma. read directly on meter. May be used as ac or dc vtvm. 60 cycle 110 volt operation. **C21786—Your Cost.....\$44.00**



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

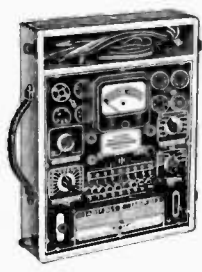


Pocket size multi-range instrument with carrying strap. 400 microamp. movement. Ranges: AC: 0-15-150 V; DC 0-30-300-1500 V. 0-150 ma. DC. Ohms: 0-3000-300,000. 1 1/2 V. cell testing current. Shunts 0.5% accuracy. 5 1/2"x2 1/2"x2 1/2". With test leads. Wt. 3 lbs. **C21501—Your Cost.....\$18.62**

**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 microamp. movement. Wire wound rheostat controls battery voltage potential. Wt. 4 lbs. **C21502—Each.....\$27.44**

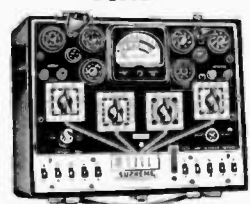
**CI 271 Volt-Ohmmeter**  
 2" magnetic vane type meter in black bakelite case with metal back. Ranges: 0-3-30-300 V. D.C. 0-10,000 ohms. Range changed by phone tip and jacks. Resistors 3% accuracy. Two standard flashlight cells enclosed in case. Supplied with 30" long test lead, polarity marked prongs. 1 1/2"x2 1/2"x3 3/8". Shpg. wt. 3 lbs. **C21503—Your Cost.....\$3.19**

### Radio City Model 314 Tube Tester



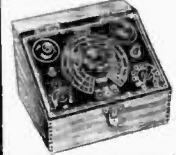
Model 314 has lever type switching, making individual connections for each tube element. Checks Octal, Loktal, Bantam Jrs., Miniatures, Midjets and Acorns. Neon short test betrays the slightest leakage between any two tube elements while the tube is still hot. Roll type chart lists all current tube types and facilitates testing. 4 1/2" rectangular meter has "Poor-Good" scale. The transformer is protected by a double fused plug with a pilot light indicator for "on-off." Tester is housed in combination portable-carry case of attractive oak. 14"x13"x6". Weight 12 1/2 lbs. **C21644—Your Cost.....\$48.95**

### SUPREME 589-P Portable Tube and Battery Tester



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"x9 1/4"x5 1/2"; slip-hinge cover. With instructions. Shpg. wt. 11 lbs. **C21753—Your Cost.....\$37.73**

### Special Model CC



Six color-coded scales. Capacity range 0.0001 to 800 mfd. Resistance range 50 ohms to 2 megohms. Power factor range 0 to 50%. Uses 6E5 tube across output of Wein Bridge. Test voltages up to 600 volts dc. Neon lamp indicates leakage. Requires no external accessories. 60 cycle 110 v operation. 9 1/2"x8 1/4"x6 3/8". Wt. 8 lbs. **C21780—Your Cost.....\$31.85**

### Standard Model CB

The Model CB is like the above except the capacity range is from .00001 mfd to 70 mfd. and is housed in an attractive cabinet with a removable top and a strong carrying handle. All readings are made directly and overlapping scales eliminate "blind spots." 60 cycle 110 volt operation. Size: 9 1/2"x7 1/8"x6 1/4". Wt. 7 lbs. **C21781—Your Cost.....\$25.48**

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

## Power Level Indicators



For measuring noise levels in P.A., theaters, broadcast stations, etc. Ranges read 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.	<b>\$17.09</b>
C11448—Each	

## AMPHENOL Unwired Adapters



Make your own adapter to meet your requirements. 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

## Thermo-Ammeters with External Couple

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

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

## Thermo-Ammeters with Built-in Coupler

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

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

## Adapt. Top Stock No. C11562 C11563 C11564 C11565

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

\*7C top fits only 7L and 8L bases. †Large dia. base. Fits 7 comb. top. Adapt. Tops 12c Each. 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	C11288	\$4.15	C11200	C11320	\$5.03	C11336	\$6.47		
0-1.5	C11209	C11289	4.15	C11201	C11321	5.03				
0-3	C11415	C11290	4.15	C11411	C11322	5.03				
0-5	C11416	C11298	3.23	C11412	C11323	4.15	C11337	5.39		
0-10	C11210	C11299	3.23	C11202	C11324	4.15	C11338	5.39		
0-15	C11211	C11300	3.23	C11203	C11325	4.15	C11339	5.39		
0-25	C11398	C11306	3.23	C11394	C11326	4.15	C11340	5.39		
0-50	C11212	C11309	3.23	C11204	C11327	4.15	C11341	5.39		
0-100	C11213	C11311	3.23	C11205	C11328	4.15	C11342	5.39		
0-150	C11417	C11312	3.23	C11413	C11329	4.15	C11343	5.39		
0-200	C11214	C11313	3.23	C11206	C11330	4.15	C11344	5.39		
0-250	C11418	C11314	3.23	C11414	C11331	4.15	C11345	5.39		
0-300	C11287	C11315	3.23	C11395	C11332	4.15	C11346	5.39		
0-500	C11215	C11316	3.23	C11207	C11333	4.15	C11347	5.39		
0-750	C11400	C11317	3.23	C11396	C11334	4.15	C11348	5.39		
0-1000	C11401	C11318	3.23	C11397	C11335	4.15	C11349	5.39		

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

Range	No.	Each	C11352	C11354	\$15.35	C11358	\$16.33	
0-50			C11353	C11355	13.72	C11359	14.70	
0-100	C11432	C11350	\$7.55	C11434	C11356	8.62	C11360	10.06
0-200	C11433	C11351	5.59	C11435	C11357	6.66	C11361	7.74

\*With Cobalt Magnets

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

Range	2" Round 231		2" Square 237A		3" Round 331		3" Square 337A		4" Square 436	
	No.	Each	No.	Each	No.	Each	No.	Each	No.	Each
0-5	C11280	C11449	\$3.23	C11273	C11459	\$4.15	C11466	\$5.39		
0-10	C11281	C11454	3.23	C11274	C11460	4.15	C11467	5.39		
0-15	C11282	C11455	3.23	C11275	C11461	4.15	C11468	5.39		
0-25	C11283	C11456	3.23	C11276	C11462	4.15	C11469	5.39		
0-50	C11284	C11380	3.23	C11277	C11381	4.15	C11382	5.39		
0-150	C11286	C11457	4.15	C11279	C11463	5.03	C11470	6.47		
0-300	C11409	C11458	5.22	C11406	C11464	5.95	C11383	7.03		
0-15-150				C11408	C11465	6.66				

## D.C. VOLTMETERS

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

## D.C. VOLTMETERS

125 Ohms per Volt				
Model 321		Model 221		
No.	Each	Range	Each	
C11230	\$4.15	0-5	C11247	\$3.23
C11231		0-10	C11248	
C11232		0-15	C11249	
C11233	\$4.15	0-25	C11250	\$3.23
C11234		0-50	C11251	
C11236		0-150	C11253	
C11237	\$5.03	0-250	C11254	\$4.15
C11404	6.66	0-500	C11405	5.59

## METER DIMENSIONS

Model	Flange	Body Dia.
221, 231, 241	2 1/4"	2 5/8"
227A, 237A	2 5/8x2 5/8"	2 5/8"
321, 331, 341	3 1/2"	3 3/4"
327A, 337A, 347A	3x3"	3 3/4"
426, 436	4 1/2x4"	4 3/4"
521, 531	5 1/2"	4 3/4"
626, 636	6 x 5 1/4"	4 3/4"
726, 736	7 1/2x6 3/8"	3 1/2"

## 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		0-25	C11270		
C11267		0-50	C11271		
C11268	\$4.15	0-100	C11272	\$3.23	
C11421		0-250	C11423		
C11422		0-500	C11424		

## A.C. AMMETERS

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

## D.C. AMMETERS

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

## RELIANCE Meter Cases

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

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



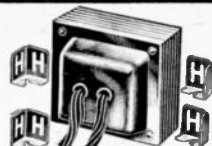
## Front Illuminator

Shielded front

# 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

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 1/2	.....	.....	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 3/4"	4
C1714	P-6004	8-9	3.41	700	90	5	3	2.5	12.5	.....	.....	3 1/4 x 3 3/4"	6
C1719	P-6009	6-7	3.20	550	70	5	3	5.0	5	2.5	10.5	2 1/2 x 3 3/4"	5
C1715	P-6005	6-7	3.20	700	70	5	3	2.5	9	2.5	3.5	2 1/2 x 3 3/4"	6
C1716	P-6006	11-13	4.20	700	120	5	3	2.5	12.5	2.5	3.5	3 1/4 x 3 3/4"	6
C1717	P-6007	10-12	4.38	800	110	5	3	2.5	15	2.5	3.5	3 1/2 x 3 3/4"	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	3.47	700	90	5	3	6.3	3.5	.....	.....	2 1/2 x 3 3/4"	4
C1723	P-6013	11-13	3.47	700	120	5	3	6.3	4.7	.....	.....	3 1/4 x 3 3/4"	6
C1724	P-6014	13-15	4.55	750	150	5	3	6.3	5	.....	.....	3 1/2 x 3 3/4"	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-6293	6-7	3.15	600	60	5	3	6.3	2.5	2.5	7.5	2 1/2 x 3 3/4"	4
C1733	P-6295	8-9	3.67	700	90	5	3	6.3	3.5	2.5	9	3 1/4 x 3 3/4"	6
C1734*	P-6234*	11-13	4.79	660	90	5	3	2.5	12	6.3	.....	.....	.....
								2.5	5.0	.....	4	3 1/2 x 3 3/4"	6
								6.3	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.



Vertical Mount



Horizontal Mount

## SPECIAL 6.3 V. TRANSFORMERS FOR SETS USING P.M. SPEAKERS

Stock No.	Type No.	No. of Tubes	Your Cost	Plate	Rec. Fil.	Fil. No. 1	Fil. No. 2	Mtg. Area	Wt. Lbs.
C1785	P-6289	5-6	\$2.18	420	40	5	2	2 1/2 x 3"	4
C1786	P-6119	6-7	2.20	600	55	5	2	2 1/2 x 3"	4
C1787	P-6120	7-9	2.94	630	70	5	3	2 1/2 x 3"	6
C1741	P-6312	7-8	3.35	580	90	5	3	3 1/2 x 2 1/2"	6
C1743	P-6313	11-13	3.70	580	125	5	3	4 1/2 x 3 1/2"	7
C1744	P-6314	14-16	5.17	700	200	5	3	4 1/2 x 3 3/4"	8
C1745	P-6315	16-18	7.06	740	275	5	3	4 1/2 x 3 3/4"	9



2 or 4 Hole Half Shell

### 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 1/2"	1	1.09
C1671	A-3850	4000, 7000, 8000,	J	2"	1	1.09
C1673	A-3852	10M, 14M CT	E	2 1/2"	2	1.41
C1678	A-3890		E	2 1/2"	2	2.29
C1670	A-3849*	1500, 2000, 4000, 5000, 7000, 10,000	Q	2 1/2"	1	1.09
C1666	A-3830†	3000, 5000, 6600, 7000, 8000, 10,000 CT	J	2 1/2"	3	2.06

\*For battery radios. †Designed for tubes with large output.

### CRYSTAL RECORDER OUTPUT TRANSFORMERS

Most efficient coupling between output tubes and crystal recording head, Type A mtg. Shpg. wt. 5 W.—1 lb.; 10 W.—1 1/2 lbs.

Stock No.	Output Tubes	Impedance	Mx. Wts.	Dimensions H x W x D	Mtg. Ctrs.	Your Cost
C1591	Single	7M 70M or 4-6	5	1 7/8 x 3 1/2 x 1 7/8	2 1/2"	\$1.41
C1592	Single	7M 70M or 4-6	10	2 1/4 x 3 3/4 x 2 1/8	3 1/8"	1.94
C1593	P.P.	10M 70M or 4-6	5	1 7/8 x 3 1/2 x 1 7/8	2 1/2"	1.41
C1594	P.P.	10M 70M or 4-6	10	2 1/4 x 3 3/4 x 2 1/8	3 1/8"	1.94

### REPLACEMENT DRIVER TRANSFORMERS

Stock No.	Type No.	Impedance Pri. Sec.	Ratio 1/2 Sec.	Mtg. Type	Mtg. Ctrs.	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 1/2"	2	1.76
C1682	A-4401	10M 1.4M	2.7:1	J	2 1/2"	2	1.59
C1689	A-4734	10M 1.6M	2.5:1	A	2 1/2"	2	1.29

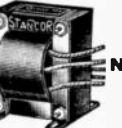
### FILTER CHOKES TYPE A

Stock No.	Type No.	Hen-rys	Cur. M.A.	D.C. Ohms	Dimensions H x W x D	Wt. Lbs.	Your Cost
C1698	C-1706	4.5	50	300	1 1/2 x 2 1/2 x 1 1/2"	1	\$0.68
C1699	C-1707	6	50	500	1 1/2 x 2 1/2 x 1 1/2"	1	.68
C1700	C-1708	13	65	460	1 1/2 x 3 1/2 x 2 1/8"	2	.88
C1701	C-1709	8	85	250	1 1/2 x 3 1/2 x 2 1/8"	2	1.18
C1702	C-1710	7	150	200	2 1/2 x 4 x 2 1/8"	3	1.47
C1623†	C-1003	16	50	550	1 1/2 x 3 1/2 x 1 1/2"	2	.91
C1624	C-1002	15	75	400	2 1/2 x 3 1/2 x 1 1/2"	2	1.23
C1625	C-1001	10.5	110	200	2 1/2 x 4 x 2"	3	1.56
C1626*	C-1034	8	30	1150	1 1/2 x 2 1/2 x 1 1/2"	2	1.12
C1583	C-2303	2.5	130	100	2 x 3 x 1 1/2"	2	1.09
C1584	C-2304	2.3	150	65	2 x 3 x 1 1/2"	2	1.09
C1585	C-2305	3.8	100	275	2 1/2 x 2 1/2 x 2 1/8"	2	1.47
C1586	C-2309	3.3	150	90	2 1/4 x 3 1/2 x 1 1/2"	2	1.29

\*Center tapped. †Output chokes.

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

Stock No.	Type No.	Hen-rys	Cur. M.A.	D.C. Ohms	Dimensions H x W x D	Wt. Lbs.	Your Cost
C1703	C-1723	5.5	50	330	1 1/2 x 2 1/2 x 1 1/2"	1	.68
C1684	C-1080	4.5	50	200	1 1/2 x 2 1/2 x 1 1/2"	1	.71
C1687	C-1325	6.5	50	250	1 1/2 x 2 1/2 x 1 1/2"	1	.71
C1695	C-1227	7	50	350	1 1/2 x 2 1/2 x 1 1/2"	1	.71
C1696	C-1270	8.5	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	2.94
C1672	A-3851*	ABI	PP	4,000	4, 8, 15, 250, 500	30	3.53
C1590	A-3855	A	S or PP	7,000	10, 2000	5	2.00
C1661	A-3800	A & AB	PP	5,000	4, 8, 15	30	3.32
C1662	A-3801	ABI	PP	6,600	250, 500	35	3.88

\*10% Inverse Feedback Winding.

### UNIVERSAL INTERSTAGE TRANSFORMERS

Split secondaries. Primary center tapped. May be used plate to grid, p.p. input or p.p. interstage. Primary will pass 10 milliamperes DC. Shpg. wt. each, 2 lbs.

No.	Type	Core	Mtg.	H. W. D.	Centers	Each
C1630	A-4773	3/4 x 1"	E	2 1/2 x 2 x 2 1/2"	2 1/2"	\$1.82
C1631	A-4774	3/4 x 1"	S	2 1/4 x 2 1/2 x 2 1/4"	2 1/2"	1.53
C1634	A-4775	3/4 x 1"	S	2 1/2 x 2 1/4 x 2 1/2"	2 1/2"	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 1/2 x 1 1/2"	A	2"	1	1.06
C1654	A-73C	3:1	2 x 3 1/2 x 1 1/2"	A	2 1/2"	1	1.32
C1691	A-4750	3:1	2 1/4 x 2 1/2 x 1 1/2"	E	2 1/2"	1	1.32
C1686	A-4719	3:1	2 1/2 x 2 1/2 x 2 1/2"	S	2 1/2"	2	2.32
C1587	A-62C	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 1/2 x 2 1/2"	E	..	2	2.11
C1589*	A-4206	3:1	3 1/4 x 2 1/2 x 2 1/2"	C	..	3	3.09

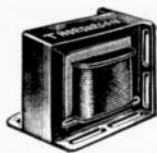
\*Split Secondary. †Has static shield.

### Push-Pull Interstage (2 Pl. to 2 G.)





# THORDARSON Replacement AUDIOS



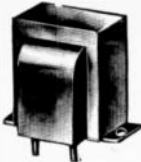
2C



2D



2E Leads, 2E Lugs



2F



2G



3E 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 1/4 x 2 x 2 3/8	2B	1 1/2	1.41
C266	T-57A36	3:1	2 1/2 x 2 1/2 x 2 3/8	2F	1 1/2	1.59
C213	T-47A25	3:1	2 1/2 x 2 1/2 x 2 3/8	2C	1	1.59
C218	T-57A38	3:1	3 3/8 x 2 1/2 x 3	2F	2 1/4	2.12
C268	T-75A74*	2:1	2 1/2 x 2 1/2 x 2 3/8	2F	1 1/2	1.94

\* Has static shield between primary and secondary.

### Push-Pull Input Transformers

Single plate (10,000 ohms) to push-pull grids. Stock No. C301 may also be used as a tapped PP grid impedance with ratios of 1:1, 1:2, or 1:4.

Stock No.	Thord. No.	Turns Ratio	Dimensions W. D. H.	Mtg. Type	Wt. Lbs.	Your Cost
C532	T-14A92	3:1	2 3/4 x 1 1/2 x 1 3/4	3B	1 1/2	\$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-33A01	3:1	2 1/2 x 2 1/2 x 2 3/8	2B	1 1/4	1.41
C237	T-86A03	3:1	2 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 3/8	2C	1 1/2	1.76
C282	T-57A39	3:1	2 3/8 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. H's	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	3/4	.76
C606	T-13C28	3B	10	65	460	1	.85
C241	T-43C92	2C	10	75	260	1 1/4	1.18
C252	T-47C07	3B	12	75	410	1 1/4	1.18
C254	T-44C02	3B	12	80	405	1 1/4	1.06
C287	T-57C51	2B	6	80	138	1 1/4	1.06
C607	T-13C29	3B	9	85	250	1 1/2	1.12
C334	T-68C07	2B	15	85	375	2	1.41
C289	T-57C53	2B	10	110	200	2 1/4	1.41
C290	T-57C54	2F	10	110	200	2 1/4	1.59
C335	T-75C49	3B	8	120	290	1 1/2	1.94
C269	T-17C00-B	2F	12	150	231	3 3/8	1.94
C608	T-13C30	2B	8	150	200	2 1/4	1.41
C336	T-74C29	2G	15	150	200	5 1/4	2.82
C310	T-67C49	2F	5	200	80	3 3/4	1.94
C366	T-75C51	2G	13	250	121	8	3.53

### AC-DC Filter Chokes\*

Small but highly efficient filtering chokes for AC-DC receivers, intercommunicators, etc. All are 2 1/2 x 1 1/2 x 1 1/2" high.

Stock No.	Thord. No.	Mount. Type	Induct. H's	Rated Ma.	Res. Ohms	Wt. Lbs.	Your Cost
C487	T-14C61	3B	7	55	200	3/4	\$0.71
C488	T-14C62	3B	8	55	250	3/4	.71
C489	T-14C63	3B	8	55	300	3/4	.71
C490	T-14C64	3B	10	55	350	3/4	.71

### Low Imp. Source To Single or P.P. Grid

Stock No.	Thord. No.	Application	Impedance Pri.	Ohms Sec.	Mtg. Fig.	Wt. Lbs.	Your Cost
C375	T-65A73	DB mike to grid	200/500	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	5000/200	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. We can, however, supply any power, audio or other units made by Thordarson at lowest prevailing prices.**

### Output Transformers

Stock No.	Thord. No.	Class Oper. §	Ohms Impedance Pri.	Sec.	Max. Watts	Mtg. Fig.	Your Cost
C455	T-14S81	S or P-P; A	7000	Ct.—3 to 6	5	3B	\$0.88
C536	T-14S83	S; A	25,000	Ct.—3 to 6	5	3B	.88
C537	T-14S84	S; A	8000	—3 to 6	5	3B	.88
C602	T-13S37	S; A	7000	—1-2-4	5	3E	.88
C376	T-13S39	S; A	4000	—1-2-4	5	3E	.88
C276	T-33S99	P.P.; A	8000	Ct.—6 to 12	10	2B	1.06
C386	T-13S40	P.P.; A	14,000	Ct.—1-2-4	10	3E	1.06
C387	T-81S01	P.P.; B	10,000	Ct.—2-4-8	8	2B	1.06
C388	T-17S10	S; A	2500	—2-4-8-500	8	2F	2.12
C390	T-17S11	P.P.; AB <sub>1</sub>	8000*	—4-8-15-250-500	15	2F	3.18
C391	T-17S12	P.P.; AB <sub>2</sub>	4300*	—4-8-15-250-500	25	2F	3.18
C392	T-17S13	P.P.; AB <sub>1</sub>	6600*	—4-8-15-250-500	34	2G	4.23
C393	T-17S14	P.P.; AB <sub>2</sub>	5500*	—4-8-15-250-500	40	2G	4.23
C471	T-17S15	P.P.P.; AB <sub>1</sub>	3300*	—4-8-15-250-500	60	2G	4.59
C327	T-67S51	P.P.; A	14,000	—4-8-15-500	20	2F	2.47
C329	T-67S48	P.P.; A & B	8000	—4-8-15-500	25	2F	2.47
C273	T-58S72	P.P.; A & AB	3000	—4-8-15-500	30	2F	2.65
C326	T-67S54	P.P.; A & AB	5000	—4-8-15-500	30	2F	2.82
C331	T-67S92	P.P. Par. A and AB	1500	—4-8-15-500	40	2F	2.82
C328	T-65S94	P.P.; A, AB <sub>2</sub>	8000	—4-8-15-500	40	2F	2.82
C330	T-75S75	P.P.; A, AB <sub>2</sub>	10,000	—4-8-15-500	40	2F	2.82
C507	T-84S58	P.P.; AB <sub>1</sub>	3900	—4-8-15-500	60	2G	4.23
C364	T-89S75	P.P.; AB <sub>1</sub>	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	Sec.	Max. Watts	Mtg. Fig.	Your Cost
C603	T-13S38	Sin. or P.P.; Ct. A	4000/7000	Adjust. .1 to .29	8	3E	\$1.06
C278	T-57S01	S; A	8000/10,000	.1 to .29	8	2E	1.41
C474	T-37S02	S; A	14,000 Ct.	.29	8	2B	1.41
C275	T-17S57	S; A	1500/2000	Adjust. .1 to .29	8	2C	1.59
C354	T-13S42	S; A	4000/5000/7000	.1 to .29	10	3E	1.06
C355	T-13S41	P.P.; A	3000/5000/6600/7000	Adjust. .1 to .29	20	2E	1.94

### Universal Tube To Line

Stock No.	Thord. No.	Class Oper.	Ohms Impedance	Sec.	Max. Watts	Mtg. Fig.	Your Cost
C297	T-61S25	Univ. Single; A	2500/4000	500	10	2E	\$2.29
C298	T-61S26	Univ. P.P.; A	5000/6000/7000	500	10	2E	2.47

### Universal Line To Speaker

Stock No.	Thord. No.	Class Oper.	Ohms Impedance	Sec.	Max. Watts	Mtg. Fig.	Your Cost
C299	T-53S81	L. to V.C.	500/250	4-8-15	35	2D	\$3.35
C506	T-60S48	1 to 6 V.C.'s to 500 ohm L.	500/1000/1500/2000/2500/3000	Pri. as 500 ohm .06 to 8; pri. as 1000 ohm-.12 to 16	10	2E	2.12
C453	T-14S80	L. to V.C.	500	—2-4-8-8	12	2E	1.41
C454	T-76S74	L. to Multiple spkrs.	500—250/168/125/100/84 (auto transf.)		30	3E	2.65

### Audio Reactors

Stock No.	Thord. No.	Induct. H's	Max. Ma.	D.C. Ohms	Mtg. Type	Sbpg. 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 1/2" h., 1 1/2" o.d.

### Driver Transformers

No.	Type	Mtg.	Input Tubes	Output Tubes	Class	Each
C308	T-67D78	2F	1-6, 59, 6F6, 42, 2A5 Triode	2-6L6	B2	\$2.12
C338	T-74D32	2F	2-6C5, 76, 56	2-6F6, 42, 2A5	AB2	2.29
				4-2A3, 6B4G*	AB	1.06
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	B	1.59
				2-49, 2-6V6	AB2	1.59
C340	T-81D42	2F	1-6F6, 42, 2A5	2-6F6, 42, 2A5	AB2	2.29
			Triodes	Triodes or Pta.	AB2	2.29
C508	T-84D59	2F	2-6C5, 6N7	2-6L6, 6V6	AB2	2.29
			2-6A5, 5A	2-6N7, 6A6, 5B	B	1.41
C457	T-17D01	3B	6F6, 42, 2A5 Tr.	2-6F6, 6L6	AB	1.41
C458	T-14D93	3B	1-76 Triode	1-6A6, 6N7	B	1.23

**|| SIGN WPB CERTIFICATION ON OUR ORDER BLANK OR ENCLOSE PRIORITY WITH ORDER ||**

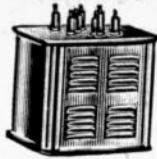
# UTC TRANSMITTING TRANSFORMERS

## Case Dimensions

Type	Height	Width	Depth
G-1	17 <sup>1</sup> / <sub>8</sub> "	2"	13 <sup>1</sup> / <sub>4</sub> "
G-2	25 <sup>1</sup> / <sub>16</sub> "	23 <sup>1</sup> / <sub>8</sub> "	11 <sup>5</sup> / <sub>16</sub> "
G-3	21 <sup>1</sup> / <sub>2</sub> "	23 <sup>1</sup> / <sub>8</sub> "	21 <sup>1</sup> / <sub>8</sub> "
G-4	21 <sup>5</sup> / <sub>16</sub> "	31 <sup>1</sup> / <sub>8</sub> "	29 <sup>1</sup> / <sub>16</sub> "
G-5	35 <sup>1</sup> / <sub>8</sub> "	31 <sup>1</sup> / <sub>8</sub> "	49 <sup>1</sup> / <sub>16</sub> "
G-6	45 <sup>1</sup> / <sub>8</sub> "	33 <sup>1</sup> / <sub>4</sub> "	51 <sup>1</sup> / <sub>2</sub> "



G1 TO G4



G5 TO G11

## Case Dimensions

Type	Height	Width	Depth
G-7	53 <sup>1</sup> / <sub>8</sub> "	49 <sup>1</sup> / <sub>16</sub> "	59 <sup>1</sup> / <sub>16</sub> "
G-8	53 <sup>1</sup> / <sub>8</sub> "	51 <sup>1</sup> / <sub>2</sub> "	51 <sup>1</sup> / <sub>2</sub> "
G-9	61 <sup>1</sup> / <sub>8</sub> "	55 <sup>1</sup> / <sub>16</sub> "	61 <sup>3</sup> / <sub>16</sub> "
G-10	61 <sup>1</sup> / <sub>8</sub> "	63 <sup>1</sup> / <sub>16</sub> "	61 <sup>1</sup> / <sub>16</sub> "
G-11	71 <sup>1</sup> / <sub>8</sub> "	69 <sup>1</sup> / <sub>16</sub> "	73 <sup>1</sup> / <sub>8</sub> "

## Class A Input Transformer

No.	Type	Application	Ratio	Case	Wt.	Each
C5802	S-2	1 plate* to 2 grids.....	2:1	G-2	2 lbs.	\$2.35
C5804	S-4	1 plate* to 2 grids, wide range response.....	1:1	G-3	3	3.23
C5805	S-5	Single or double button mike or line to 1 grid; hum bucking type.....	16:1	G-2	2	2.65
C5806	S-6	Single or double button mike or line to 1 grid, compact type.....	16:1	G-1	2	1.91

\*Will match tubes like 6C5, 56, 6C6 triode, 77 triode, etc. Can be used with high mu triodes with loss in low frequencies.

## Universal Output To Line and Voice Coil

All secondaries designed to match 2, 8 and 15 ohm voice coils and 500 ohm line. Average shpg. wt., each 6 lbs.

No.	Type	Primary Ohms	Watts	Case	Each
C5814	S-14	2500, 4000, 7000.....	10	G-2	\$2.79
C5815	S-15	4000, 5000, 10,000.....	12	G-2	2.94
C5816	S-16	3000, 6000-6600, 10,000.....	30	G-4	3.82

## Universal Output Transformers

Designed to match any modulator tubes to any RF load. Secondary will carry DC.

No.	Type	Watts	Case	Lbs.	Each
C5818	S-18	12	G-3	3	\$3.09
C5819	S-19	30	G-4	4	4.70
C5820	S-20	55	G-5	5	6.76
C5821	S-21	110	G-7	11	9.41
C5822	S-22	250	G-9	18	14.70

## Matching Transformer

Shipping weight 4 lbs.

Stock No.	Type No.	Application	Pri. Ohms	Sec. Ohms	Case	Your Cost
C5811	S-11	Single 56, 6C6 triode, 6C5 or similar tube to line.....	10,000	200, 500	G-2	\$2.65

## Universal Driver Transformer

No.	Type	Application	Case	Lbs.	Each
C5809	S-9	P.P. Driver plates to grids of Class B tubes up to 400 watts output.....	G-3	4	\$3.23

## Multiple Secondary Filament Windings

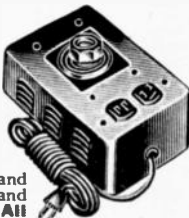
Primaries tapped 105, 115 volts, 50/60 cycles AC. All secondaries center tapped. Shpg. wt., each, 8 lbs.

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

All 3000 volt insulation.

## Standard VARITRAN Voltage Controls

The VARITRAN is an ideal voltage control unit of the type employing a sliding contact riding over the transformer turns. They provide continuously variable output voltages FROM 0 TO 130 VOLTS without interruption of the circuit. Used extensively to control lights, line voltage, rectifiers, motors, transmitters, etc. Type V-1 (illustrated) is completely shielded and includes cord, plug, and switch. Other units are completely shielded and have screw terminals on an insulated strip. All units shown below for 115 volt input.



No.	Type	Watts	Amps.	Size	Wt.	Price
C5733	V-0	230	2	4 x 6 x 4 1/2"	10 lbs.	\$ 8.33
C5771	V-1	570	5	5 x 8 1/2 x 3 1/2"	14 lbs.	11.76
C5716	*V1-M	570	5	5 x 10 1/2 x 3 1/2"	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 1/2"	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
C5840	S-40	Your Cost.....				\$5.88
C5841	S-41	Your Cost.....				\$5.29
C5842	S-42	Your Cost.....				\$7.06

## Single Secondary Filament Transformers

Primaries tapped 105, 115 volts, 50/60 cycles a.c.

No.	Type	Sec. Volts	Amps.	Insul.	Case	Lbs.	Each
C5853	S-53	2.5 c.t.	10	1500 v.	G-3	3	\$2.06
C5854	S-54	5 c.t.	4	2500 v.	G-3	3	2.06
C5855	S-55	6.3 c.t.	3	1500 v.	G-3	3	2.06
C5857	S-57	2.5 c.t.	10	10000 v.	G-5	5	2.94
C5858	S-58	2.5 c.t.	20	10000 v.	G-5	5	3.53
C5859	S-59	5 to 5.25 c.t.	13	5000 v.	G-5	5	2.94
C5861	S-61	7.5 tapped, 6.3 c.t.	8	3000 v.	G-5	5	2.94
C5862	S-62	10 c.t.	10	5000 v.	G-5	5	3.53
C5863	S-63	14 v. c.t. tapped at 12 v. c.t., 11 v. c.t.	10	5000 v.	G-7	5	6.47

## Ultra-Compact Line Matching Transformers

Compact high fidelity units having a frequency range from 30 to 20,000 c.p.s. Only 1x1x1" threaded inserts for mounting. Match 50, 125, 200, 250, 500 ohm lines. Net wt. 6 oz.; shpg. wt. each 1 lb.

C5394	A-10	Line to 1 grid. 50,000 ohms.					
C5397	A-24	1 Triode plate 8000/15000 ohms to line.					
Your Cost Each, Either Above Type.....							\$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.							\$7.06
C5726—Type A-11. Your Cost Each.....							





# TOOLS and BENCHES

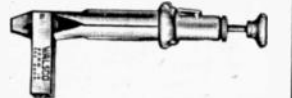
## SPEEDEX Wire Stripper

Sensational new stripper that strips all types of wire instantly! Just press the handles and the job is done. Pocket size, fast (up to 1000 wires per hour), positive acting. Works on wire ends or any place along wire. Clean working, without damage to any kind of wire, stranded or solid. Shpg. wt. 2 lbs.

**Standard Models**  
**C15538**—For sizes 14 to 24 wire  
**C15537**—For sizes 12 to 20 wire  
**C15539**—For sizes 10 to 18 wire  
**Your Cost, Each** ..... **\$3.53**

**Automatic Models**  
 With "stay open feature" for stripping fine stranded wires.  
**C15565**—For sizes 14 to 24 wire  
**C15566**—For sizes 12 to 20 wire  
**C15567**—For sizes 10 to 18 wire  
**Your Cost, Each** ..... **\$4.70**  
 Also available for 8-10 wire and for aviation wires.

## 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 holds 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.  
**C15092**—Box 250 ..... **28¢**  
**C15099**—Box 1000 ..... **\$1.08**  
**C15100**—Box 5000 ..... **4.90**

## WALSCO Rubber Cap

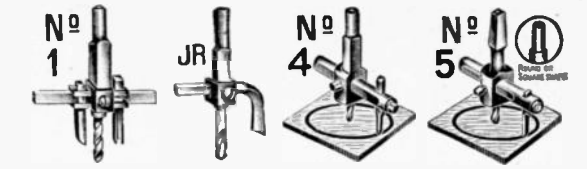
Covers plunger head and makes it easier on the hand to drive staples into hard surfaces.  
**C15090**—Each ..... **19¢**

## Featherweight 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. With 100 staples.  
**C15280**—Your Cost ..... **\$1.19**  
**C15281**—Box of 1000 Staples. 26¢

## 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	Cuts Hole	Shank Style	Type Work	Your Co-t
<b>C14720</b>	JR	5/8" to 2 1/2"	Round	Light	<b>\$0.78</b>
<b>C14711</b>	4	3/8" to 4"	Round	Medium	<b>1.30</b>
<b>C14713</b>	5	1" to 5 1/2"	Round	Heavy	<b>1.88</b>
<b>C14715</b>	5	1" to 5 1/2"	Square	Heavy	<b>1.88</b>
<b>C14717</b>	1†	3/8" to 4"	Round	Medium	<b>1.88</b>
<b>C15069</b>	5	1 1/4" to 8"	Square	Ex. Heavy	<b>3.88</b>

†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¢**

## "RAPID" Electroplaters



Small portable electroplating outfit 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. Requires two No. 6 cells (not supplied). Wt. 1 1/2 lbs.

**C15359**—Nickel Plating Outfit.  
**C15360**—Copper Plating Outfit.  
**C15370**—Cadmium Plating Outfit. **Your Cost** ..... **\$1.10**  
**C15371**—Silver Plating Outfit. **Your Cost** ..... **\$1.47**

**Extra Compound**  
 Additional 1-oz. bottles of compound (plate 125-175 sq. in.):  
**C15372**—Nickel Compound  
**C15373**—Copper Compound  
**C15374**—Cadmium Compound  
**Your Cost** ..... **37¢**  
**C15375**—Silver Compound. **Your Cost** ..... **73¢**

**Industrial Kit**  
 For industrial use. Comprises 8-oz. Electrolyte. Sterling silver Applicator, 4-oz. metal cleaner. Shpg. wt. 3 lbs.  
**C15376**—Your Cost ..... **\$7.50**

## Flexible Hack Saw Blades

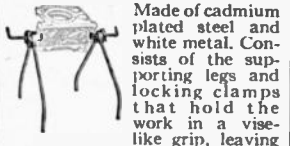


Extra hard. Extra flexible. Longer life. Scientifically heat treated for hardness and flexibility. For all standard frames. Shpg. wt. approx. 1 lb. per doz. All are 1/2" wide and .025" thick.

Stock No.	Length	Teeth*	Each	Doz.
<b>C17273</b>	10"	18	6c	60c
<b>C17274</b>	10"	24	6c	60c
<b>C17275</b>	12"	18	7c	72c
<b>C17276</b>	12"	24	7c	72c

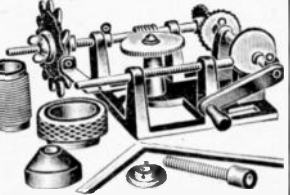
\*Number of teeth per inch.

## ACRO Chassis Cradle



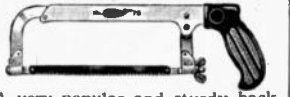
Made of cadmium plated steel and white metal. Consists of the supporting legs and locking clamps that hold the work in a vise-like grip, leaving both hands entirely free to work. Adjusts to any position by fingertip control and is equipped with an automatic stop. Its simple, sturdy construction assures years of trouble-free service. Effects important economies in time, material and man-power. Complete with Standard Clamps.  
**C15085**—Your Cost ..... **\$4.85**  
**Straight Clamps**—For sub-panels and other flat pieces. These clamps will also enable you to use your cradle for a reel.  
**C15086**—Your Cost Per Pair ..... **\$2.45**

## Deluxe Coil Winder



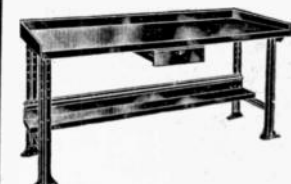
Will wind honey comb, spider-web, or solenoid coils of various widths and diameters equal in appearance to factory made coils. Includes all accessories for winding the various types. Has recorder and indicator that counts turns. Instructions included. Shpg. wt. 6 lbs.  
**C14725**—Your Cost, Each ..... **\$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 3/8". Complete with 10" blade. Excellent addition to radio mechanics' and electricians' toolbox. Shpg. wt. 2 lbs.  
**C17282**—Your Cost ..... **92¢**

## LYON Industrial Benches and Stands



A definite advancement in steel bench design and construction. Heavy gauge steel legs formed to a T—2 1/2" wide and 2" deep assure rigidity and unusual strength. Floor plates 6"x2", attached with four heavy rivets. Legs attached to bench top through special wood attachment blocks which reduce noise. Finished in green baked enamel, 34" high 60" long and 34" deep. With 12"x16"x4" drawer, shpg. wt. 206 lbs.  
**C22412**—Your Cost ..... **\$21.31**  
 Without drawer, shpg. wt. 196 lbs.  
**C22413**—Each ..... **\$18.42**

## Lyon Arc Welding Bench



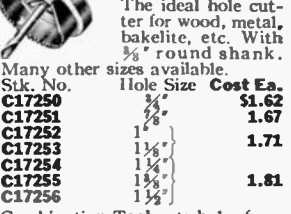
Bench tops are 10 gauge steel. Shelf back stop and 32" dividers form four compartments 3" wide for welding rods. Front of shelf for welding blocks. Legs and end cross-members are welded into a single unit for easy erection and positive rigidity. Shield 35" high sets inside flange and bolts securely. Finished in green baked enamel. 37" W. x 28" D. x 66 1/4" 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 1/4" W. x 15 1/4" D. x 34" H. Shipped set up. Shpg. wt. 75 lbs.  
**C22410**—Your Cost ..... **\$11.76**

## Misener Rotary Hack Saw



The ideal hole cutter for wood, metal, bakelite, etc. With 3/8" round shank. Many other sizes available.  

Stk. No.	Hole Size	Cost Ea.
<b>C17250</b>	1/2"	\$1.62
<b>C17251</b>	3/8"	1.67
<b>C17252</b>	1/4"	1.71
<b>C17253</b>	3/16"	
<b>C17254</b>	1/8"	
<b>C17255</b>	1/16"	1.81
<b>C17256</b>	3/32"	

Combination Tool cuts holes from 1/4" to 2 1/4" in eleven 1/8" steps. 3/8" round shank.  
**C17265** ..... **\$7.84**  
**Extra Shanks**  
**C17267** 1/2" Round ..... **.73**  
**C17268** 3/8" Round ..... **.73**  
**Shank for Hand Brace**  
**C17269** ..... **.73**



# 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. 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
- Thinner For Above Finishes**  
**C15396** 21c Thinner **C15397** 44c

## 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. **\$3.95**  
**C14704**—Your Cost.....

## Touch-Up Sprayer



Designed to operate perfectly with very low pressure from spare tire or any other air container. Air-tight brass valve, adjustable brass spray tip, rubber hose and two 4-oz. jars. Very handy for touching up marred panels, cabinets and chassis. Shpg. wt. 3 lbs.  
**C14705**—Your Cost..... **90¢**

## KESTER Solder



Will not spatter. Preferred by servicemen and other large users. Flux in core. The aluminum solder is the flux-filled type and is furnished with cleaning material and instructions. 1/16" diameter.



	Rosin Core	Acid Core	Alum. Solder
Per Tin	<b>C14857</b> \$0.17	<b>C14878</b> \$0.17	<b>C14876</b> \$0.17
1 lb. Spool	<b>C14858</b> .64	<b>C14877</b> .64	<b>C14845</b> 1.96
5 lb. Spool	<b>C14859</b> 3.00	<b>C14879</b> 3.00	

**KESTER Thin-Core Solder:** Rosin core. Dia. 1/16"  
**C14851**—1 lb. Spool..... 67c **C14852**—5 lb. Spool..... **\$3.15**

## SOLDERING PASTE and FLUX



**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¢**



**RUBYFLUID LIQUID FLUX.** Produces strong joints with thin film of solder on brass, tin, copper, etc. Non-corrosive.  
**C15279**—3 oz. Can Rubyfluid..... **15¢**

## NOKORODE Core Solder

Made of 30% tin and 70% lead. Superior paste used for flux. No. 10 gauge. Approximately 1 1/4 ounces.  
**C14882**—Your Cost..... **7¢**



## 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¢**  
**"916-8" Thinner for "912"**  
 With brush.  
**C15364**—2 oz. bottle..... **15¢**

## All-Purpose Cement

For speaker cones, bakelite, metal, wood, hard-rubber, etc.



**C15310**—2 oz. size..... **32¢**  
**C15311**—8 oz. size..... **73¢**  
**C15312**—1 pt. size..... **\$1.32**

## DUCO Cement

Excellent for repairing speaker cones, cementing grille cloths, etc. Lots of 12..... **19¢ ea.**  
**C15257**—Each..... **21¢**



## Radio Service Cement

Suitable for cementing replacement cones and repairing torn cones. Used on glass, to hold wires in place, etc. Vibration-Proof, Water-proof, Fast-Drying.  
**C15314**—2 oz. bottle, brush attached to cap. Each..... **29¢**  
**C15315**—4 oz. bottle..... **53¢**  
**C15316**—8 oz. bottle..... **94¢**  
**C15317**—1 pt. bottle..... **\$1.76**



## 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 essential necessities. Service Cement, Rubber Drive Cement, Carbon-X, Grafoline, Scratch Polish, Non Slip Compound, Dial Oil, and Contact Cleaner. An applicator is attached to the cap of each container to make it easy to use.  
**C15529**—Your Cost..... **\$1.32**



### Felt-Koat

**"Flock Finish Kit"**  
 Complete Flock Finish Kit for applying soft felt-like flock to phonograph tables, cabinets, testers, panels, displays, tool chests, compartments, lamp bases, wire mesh on speakers, and microphone grills, etc. Produces heavy soft velvet-like coat that prevents scratching. Easy to apply. Deluxe Kit containing Brown flock, special applicator, undercoat, thinner and brush.  
**C15528**—Your Cost..... **\$1.18**



### CARBON-X "For Noisy Carbon Controls"

A practical method to touch up worn and noisy spots on carbon controls. Just apply Carbon-X over the bad spots. Ideal for servicemen. Also an electrical conductor.  
**C15531**—1 oz. bottle..... **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 Remover Kit

Combination kit of 6 colors, popular shade of wood Scratch-Stik fillers and 2 bottles scratch remover liquid-walnut and clear. Works on all types of light and dark wood.  
**C15530**—Your Cost..... **44¢**



## 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. **\$1.15**  
**C15527**—Your Cost.....

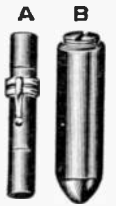


For use on plastic, bakelite or wood cabinets. 9 shades of shellac sticks, bottles of light and dark oil stain, bottle of metal shading lacquer. Magic Scratch Remover, alcohol lamp, spatula, touch-up brushes, steel wool, etc. Very easy to use. Shpg. wt. 3 lbs.  
**C15521**—Your Cost..... **\$2.06**

**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.  
**C15515**—Type A. Ea. **29¢**  
**10 For**..... **\$2.80**  
**C15520**—Type B. Ea. **22¢**  
**5 For**..... **99¢**



## 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..... **15¢**  
 Each.....



## Plastic Cabinet Cement

Repairs Bakelite or Plaskon molded radio cabinets. Dries fast and holds securely.  
**C15273**—2 oz. bottle..... **32¢**

## Grafoline

Made for noisy controls, switches and wire wound controls. Eliminates noises.  
**C15535**—2 oz..... **21¢**  
**C15536**—Pint..... **\$1.18**



## 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¢**





# SOLDERING IRONS

## "AMERICAN BEAUTY" Irons

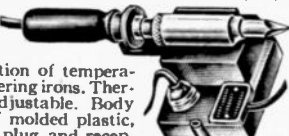


**100-Watt, Model 3138**  
America's most famous iron. Made for those who want the very best. Metal parts are heavily plated and highly polished. Length 12 3/4". With 3/8" tip and 6 ft. cord. **Stand supplied.** Shpg. wt. 2 lbs.  
**\$5.29**  
**C15171—Your Cost**  
**C15170—Extra tip for above. Each..... 37c**

**50-Watt, Model S76**  
A smaller "American Beauty" for soldering in corners and tight places. 1/8" tip. **With stand.** Shpg. wt. 2 lbs.  
**\$3.31**  
**C15172—Your Cost**  
**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.  
**\$3.64**  
**C15169—Stand only. Each.....**

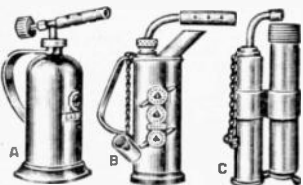
## OHMITE Soldering Iron Control Rheostats



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	Size	Your Cost
No.	Watts	Volts Dia. Ht.	
C7344	40-65	115 3 1/2" x 2"	\$ 4.26
C7345	85-100	115 3 3/8" x 2"	4.26
C7346	120-150	115 3 3/4" x 2 1/2"	5.38
C7347	175-220	115 4 1/2" x 2 3/4"	5.88
C7348	300-350	115 4 3/4" x 2 3/4"	6.88
C7349	430-500	115 7 1/2" x 3 3/4"	10.00

## LENK Alcohol and Gasoline Torches



**Type A**—Gasoline torch. Has flame control, shut off valve. 7 3/4" 11 x 3" base 1 diam. Polished Brass. Cap. 3/4 pint. Wt. 2 lbs.  
**\$1.79**  
**C14855—Your Cost**  
**C14856**—Same but for alcohol. Each... \$1.96  
**Type B**—Double burner torch—provides either broad or needle point flame. Cleansing pin in handle. 7 x 4 1/2 x 2 1/4". Wt. 3 lbs.  
**\$2.93**  
**C14867**—Alcohol torch. Each...  
**Type C**—Compact, leak-proof torch for serviceman and home mechanic. Size: 6 x 2 x 1 1/4".  
**\$1.14**  
**C14868**—Wt. 1 lb. Alcohol torch.  
**Your Cost, Each.....**

## LENK Torch Fuel

No sediment in fuel prevents carbon deposit on wick. Eliminates corrosion.  
**C14860**—16 Oz. can. Each..... **39¢**  
**C14890**—Quart can. Each..... **69¢**  
**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.  
**26¢**  
**C15276—Your Cost.....**

## 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.  
**\$6.00**  
**Your Cost.....**

### 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.  
**\$4.50**  
**C15551—Your Cost.....**

## 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.  
**\$2.44**  
**C15162—Your Cost.....**

### 200 Watt



No. 425. For all medium heavy work. Highest quality Nichrome wire wound on amber mica. Ideal for auto work, lamp wiring, home repairs, etc. 6-ft. cord and stand. Nickel plated. 3/8" tip. Wt. 2 lbs.  
**\$4.85**  
**C15552—Your Cost.....**

## DRAKE Compact Iron

Smallest industrial iron, for tight corners and delicate instrument wiring. Measures 9" and weighs only 9 oz. 60 watts with 1/4" 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.  
**\$2.65**  
**C15553—Your Cost.....**

## DRAKE "Special" Irons



Sturdily constructed. Resistance wire elements wound on porcelain tubes. 60-watt iron furnished with one 3/8" screw-on tip; 100-watt iron with 3/8" screw-on tip 2" long. 6-ft. cord.  
**C14892**—60-Watt Iron..... **78c**  
**C14893**—100-Watt Iron..... **1.50**

## Soldering Iron Tips

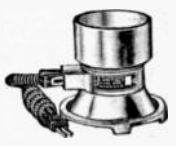
Replacement plunger type tips of quality copper.  
Stock No. Iron Size Your Cost  
**C15166** 60-75 w. 1/8" x 2 1/4" **27c**  
**C14903** 85-100 w. 3/8" x 1 1/2" **28c**  
**C15168** 115-150 w. 1/2" x 3 1/2" **39c**

## 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" x 1 1/2". Overall height 4 1/2". Wt. 3 3/4 lbs.  
**\$4.41**  
**C15554—Your Cost.....**

**325 Watt Model.** Same construction as above. Special feature for both types is a pilot light which indicates when pot is heating. Capacity 3 1/4 lbs. 3 1/2" x 1 1/2". Overall height 4 3/4". Wt. 5 1/2 lbs.  
**\$6.37**  
**C15555—Your Cost.....**



## 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 Plug-In Tips

Soldering Irons				Extra Tips	
Stock No.	Watts	Tip Dia.	Your Cost	Stock No.	Your Cost
C14900	65	3/8"	51.15	C14901	25c
C14902	100	3/8"	1.73	C14903	28c
C14905	150	1/2"	2.94	C15168	39c

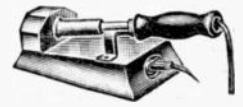
### Constant Duty Models

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"	53.23	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.  
**\$3.82**  
**C14885—Stand Only. Your Cost.....**



## Compact Pencil-Type Irons

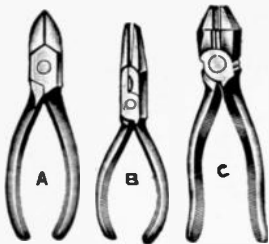
Compact and light weight. Has insulated handle and cork finger guard. With 6-ft. cord. plug and removable tip. Rated at 25 watts. Shpg. wt. 2 lbs.  
**\$1.35** Each  
**C15155**—110 V., a.c. or d.c. }  
**C15156**—For 6 V. operation }  
**C15154**—40 Watt, Heavy-Duty Iron. For 110-120 volts, a.c.-d.c. **\$1.70**  
**Your Cost Each.....**



Items on this page are currently available with priority only; when restrictions are lifted we can ship promptly from stock.  
We can supply any replacement element for items listed on this page at usual standard discounts from the list price. Write for information.

# TOOLS for EVERY PURPOSE

## 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

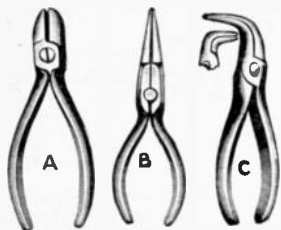
### Long Nose Pliers

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...**

## Wood Chisels



Unbreakable amber handle beveled wood chisels. High grade steel.

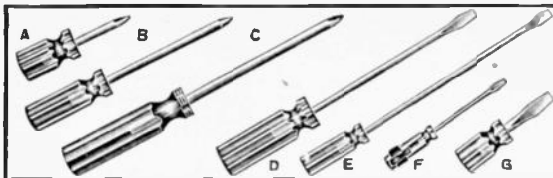
No. Blade Each  
**C15514** 1 1/2" 47c  
**C15515** 1 3/4" 56c  
**C15516** 1 7/8" 65c

Set of three packed in box. Shpg. wt. 2 lbs.  
**C15517**—Your Cost.. **\$1.59**

**Wire Stripper**  
 Tempered steel cutting edge.

Wt. 1 lb.  
**C15044**—Your Cost... **12c**

## Amber Handle Screwdrivers



Phillips screwdrivers used for recessed head screws. Rustproof tool steel blade. Unbreakable, shockproof handles 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.....45c**  
**C15501 (B)**—2 1/2" blade length. For No. 4 and smaller screws. **Your Cost, Each.....38c**  
**C15500 (C)**—4" blade length. For No. 5 to 9 screws. **Your Cost, ..53c**  
**C15503 (D)**—5 1/2" blade length 3/8" D. For No. 10 to 16 screws. **Your Cost, Each.....79c**

## Regular Type Screwdrivers

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.....15c**  
**C15508 (G)**—Heavy duty "Stubby" 1 1/2" Blade, 1" handle. **Each.....38c**  
**C15511 (F)**—Handy pocket size with clip. 2 1/2" Blade. **Each.....11c**  
**C15509 (E)**—3 1/2" Blade, 5/8" Diam. **Your Cost, Each.....19c**  
**C15510 (D)**—3 1/2" Blade, 3/8" Diam. (not shown). **Your Cost.....23c**  
**C15512 (D)**—4 1/2" Blade, 1/2" Diam. **Your Cost, Each.....34c**  
**C15506 (E)**—5" Blade, 1/2" Diam. **Your Cost, Each.....26c**  
**C15504 (D)**—6" Blade, 1/2" Diam. **Your Cost, Each.....38c**  
**C15505 (E)**—6" Blade 3/8" Diam. **Your Cost.....30c**

## Amber Face Hammers and Mallets



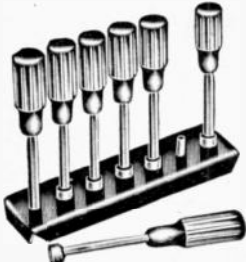
Mallets are of solid unbreakable amber securely fastened to hickory handles. Hammer has amber faces fitted to metal shank and hickory handle. In the use of pre-finished metals used by machinists and sheet metal workers, etc., these units find ready acceptance, not only as a substitute for scarcer hammers, but to perform better work in many applications. If amber heads are marred at any time they can be repeatedly ground down smooth.

**Amber Face Hammers (B)**  
**C15541**—1" amber face. **Ea \$0.63**  
**C15542**—1 3/8" amber face. **Ea. .81**  
**C15543**—1 3/8" amber face. **Ea.1.65**

**Curved Mallets (A)**  
**C15544**—3/4" Diam. **Your Cost.....\$0.63**  
**C15545**—1" Diam. **Your Cost..81**  
**C15546**—1 1/4" Diam. **Each....99**

**Straight Mallets**  
**C15547**—1 1/2" Diam. 8 oz. **Your Cost, Each.....\$1.35**  
**C15548**—1 1/2" Diam. 10 oz. **Your Cost, Each.....1.80**  
**C15549**—2" Diam. 13 ounce. **Each.....\$2.25**

## XCELITE Nut Drivers



### Shockproof—Unbreakable

Genuine transparent amber XCELITE handles—will protect against 5000 volts. Hollow shafts for long studs. Deep enough to handle two nuts at once. Overall length 6".  
**C15330**—For 3/8" hex nut.  
**C15328**—For 1/2" hex nut.  
**C15331**—For 5/8" hex nut.  
**C15332**—For 3/4" hex nut.  
**C15333**—For 1 1/8" hex nut.  
**C15334**—For 1 1/4" hex nut.

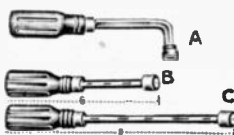
Any Above Type—**42c**  
**Your Cost, Each.....**  
**C15335**—For 1/2" hex nut.  
**C15336**—For 1 1/2" hex nut.

Either Above,  
**Your Cost, Each.....54c**

### 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 **69c**  
**C15329**—For 3/8" hex nut..... **78c**

## 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**  
**C15201**  
**C15202**  
**C15205**  
**C15204**  
**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 plug.  
**C15348**—1 1/2" long. **Each.....24c**  
**C15349**—7" long. **Each.....59c**

## ICA Flexible Screwdriver



Strong, unbreakable, flexible shaft and insulated movable screw locator finds slots of screws, 8 1/2".  
**C15062**—**\$1.32**  
**Your Cost.....**

## "RHINO" Screwdrivers with Amberlite Handles



Finest screwdrivers, for electrician's use. **Spectral analysis steel blade** over half-way into Shock-proof Amberlite handle.  
**C15345**—3x3/8" blade. **Each...28c**  
**C15346**—6x3/8" blade. **Each...40c**  
**C15347**—8x3/8" blade. **Each...45c**

## VACO "Amberly" Radio Screwdrivers



Transparent amber colored plastic handles. Oil tempered tool steel blades. Rust-proof, unbreakable, shock-proof. Blade diameter small enough for radio set screws.  
 Stock No. Blade Each  
**C15324** 1/4x4" 35c  
**C15325** 1/4x6" 35c  
**C15326** 1/4x8" 39c

## VACO "Amberly" Pocket Screwdrivers



Transparent amber colored plastic handles. Tool steel blades; shock-proof construction. 3" long with pocket clip.  
**C15323**—Each..... **15c**

## "Grip" Screw Drivers



Gripper holds screw and slides up out of the way when not in use. Instant release after screw is driven. Fine for tight places. Tempered steel blades. Amber plastic insulated handles.

No. Blades Each  
**C14710** 2x3/8" 23c  
**C14721** 4x3/8" 43c  
**C14722** 10x3/8" 46c

## 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 No. Length Ins. Your Cost  
**C15251** up to 4 6 3/4" 24c  
**C15252** 5 to 9 8 3/4" 27c  
**C15253** 10 to 16 11 3/4" 31c

## 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**—**35c**  
**Each.....**

# TEST PRODS and ALIGNING TOOLS

## ICA 5-IN-1 Aligner Kit

Combines in a fountain pen size tool,  $\frac{1}{4}$ " and  $\frac{1}{8}$ " nut wrenches, miniature blade screwdriver for all aligning and a full-size insulated handle screwdriver. 3 piece set.

**C15082—Your Cost... 88¢**

## ICA Aligning Tool Set

Two tools, one fits within other. One is 6" long,  $\frac{3}{8}$ " diameter with fitted brass wrenches for  $\frac{1}{4}$ " and  $\frac{1}{8}$ " hex nuts. Other is  $\frac{1}{4}$ " 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  $\frac{3}{16}$ " Fenoline, 8  $\frac{3}{16}$ " 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  $\frac{1}{2}$ ".

**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. Distinguishes a.c. from d.c. Bakelite case. Complete with pocket clip.

**C12983—Your Cost... 98¢**

## ICA Adjustable Balancer

Bone fibre—no metal parts. Screwdriver slides inside aligning wrench; other end has hex socket.

**C15192—Extends 6" to 11". Your Cost Each... 44¢**  
**C15193—10" to 18" 57¢**

## Neutralizing "Driver"

For aligning coils, condensers, etc. **C15080—6  $\frac{1}{4}$ " x  $\frac{1}{4}$ ". Each... 29¢**

## U.H.F. Aligning Tool

Molded of pure Polystyrene—no capacity effect on critical circuits. With pocket clip. 6x  $\frac{1}{4}$ ".

**C15075—Each... 29¢**

## Handy Neon Circuit Tester

Shows open circuits, polarity, continuity, etc. Checks fuses in circuit. Tiny neon lamp glows on only .1 ma. Coded leads have phone tips. 90-550 v.

**C11310—59¢**  
**Low Voltage Type. Range 3 to 25v. Leads have alligator clips. C11308—\$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  $\frac{1}{4}$ " 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  $\frac{1}{8}$ " dia., contains recessed screwdriver nib.

**C15115—Your Cost... 44¢**

## Flexible Tuning Wand

For determining correct alignment. A 6" flexible rod; one end brass loaded—the other, core steel. Placing either end in magnetic field of coil will show inductive condition.

**C14978—Your Cost... 59¢**

## Solid Tuning Wand

Similar to above, except that the body is solid insulation.

**C14976—Your Cost Ea. 62¢**

## 4-1 Neutralizing Tool

Has pen clip for pocket.  $\frac{1}{4}$ " nut wrench with key slot, and aligning screwdriver. Bakelite.

**C14915—Your Cost... 59¢**

## Insulated Hex Wrench

Hexed entire length; cut worn end and have a new wrench. Hex  $\frac{1}{4}$ ".

**Stock No. Length Your Cost**  
**C15148 6" 17¢**  
**C15149 8" 20¢**

## Pencil Prod Kit

Spring prongs at the end of prods allow changing from spade lugs to phone tips or to spring clips. Handles are 6" long.  $\frac{1}{4}$ " diameter. Five foot red and black kinkless wire. Complete with two alligator clips, two needle point phone tips and two tapered lugs.

**C12971—Your Cost \$1.47**

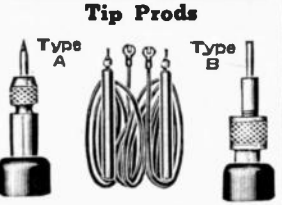
Similar to above, but fixed ends. With Spring Clip Ends. **C12882—Per Set 82¢**  
With Phone Tip Ends. **C12883—Per Set 73¢**

## ICA Laboratory Prods

Heavy duty. Bronze tip with needle point and heavy body. Double purpose—needle prod and phone tip prod. Heavy 5" long handles. Five foot red and black kinkless leads.

**C12978—Spade tips. Each 73¢**  
**C12979—Phone tips. Each 73¢**

## 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  
**C12976—Phone Tips Pair 59¢**  
**C12975—Spade Lugs. 65¢**  
**C12977—Alligator 85¢**  
**SOLDERLESS TIP PLUGS (B)**  
**C12968—Phone Tips Pair 59¢**  
**C12969—Spade Lugs. 59¢**

## Alligator Clip Test Leads

Designed especially for the laboratory or service engineer. Has 6" red and black handles and a removable phone-needle chuck.

**C12980—Your Cost... 88¢**

## 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. 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 midjet phone tips, 2" bakelite phone tips prods. 50' heavy duty cables of 18 gauge stranded tinned copper wire—low voltage drop. One red, one black. Shpg. wt. 1 lb.

**C12885—Per Pair... \$2.35**

## Weston Type Test Leads

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. A handy gadget with many uses.

**C14916—Your Cost 38¢**

|| SIGN WPB CERTIFICATION ON OUR ORDER BLANK OR ENCLOSE PRIORITY WITH ORDER ||

# 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



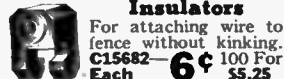
Special tempered glass, unaffected by heat or cold. High tensile strength. Ridged.

C16849—2 1/2" long. **2 1/2¢**  
 Your Cost Each.....  
 Lots of 100.....\$2.06

C16850—3" long **3¢**  
 Your Cost Each.....  
 10 For 24c 100 For \$2.16

C16851—3 3/8" long. **5¢**  
 Your Cost Each.....

## ELECTRIC FENCE Insulators



For attaching wire to fence without kinking.

C15682—100 For **6¢** \$5.25  
 Each

## Glazed Porcelain Insulators

For insulating wire from posts. (A) **5¢**  
 C15680—4 For 95c  
 100 For.....

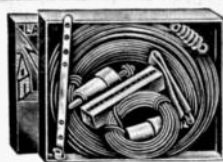
For insulating on corner posts. (B) **2 1/2¢**  
 C15681—Each  
 100 For.....\$2.00

Kit: Contains 50-type A; 4-type B. With leather washers. **63¢**  
 C15683—Your Cost....

## Fasteners

Fastens wire quickly and easily to post insulators. Made of heavy galvanized wire. **Clip only.**

C5671—**32¢**  
 Box of 100.....



## CONCORD Low Cost Aerial Kit

No finer low cost aerial kit has ever been offered. Complete in every detail and containing only the finest components to 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¢**

## 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

## Aerial Tension Spring



Consists of 2 hooks with porcelain rings inter-connected with a powerful spring. Wt. 1 lb.

C16487—Your Cost.... **39¢**

## No. 18 Lead-In Wire



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

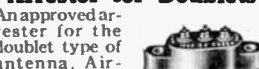
## Shielded Lead-In and Hook-Up Wire



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

## Arrestor for Doublets



An approved arrester for the doublet type of antenna. Air-gap type, insulated from ground. Porcelain case.

10 For \$1.70  
 C16950—Your Cost Ea. **19¢**

## Plated Ground Rods



Used wherever a pipe ground is not available. Heavy steel yoke for head, 3/4" 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.

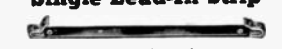
C17105—**6¢**  
 Your Cost Each.....  
 10 For.....54c  
 100 For.....\$5.13

## 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

## Single Lead-In Strip



Clip terminal each end.

C17101—10 For **23c**  
 Your Cost Each.....

## BRACH NEON Arrestor

Uses a NEON TUBE instead of an air-gap or resistance. Fully Underwriters Approved. Shpg. wt. 1 lb.

C16700—**82¢**  
 Your Cost.....  
**DUPLEX TYPE:** Same as above, but for use with sets having doublet antennas.

C16701—Your Cost **\$1.15**

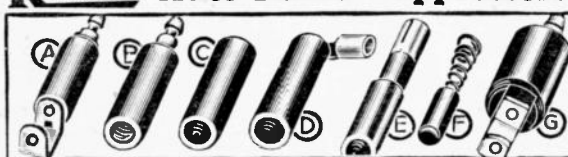
## Porcelain Arrestor



Housed in brown glazed porcelain; approved.

C16753—Your Cost Ea. **13¢**  
 10 For \$1.17 100 For \$11.10

## Reliance 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.....95c **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 Distributer Unit

Hermetically sealed; impervious to moisture and heat. Eliminates need for other suppressors. D.C. resistance is 10,000 ohms.

C5284—Each **41¢**  
 5 For.....\$1.85

## MOTOROLA 65 and 70 Condenser

High voltage condenser. Consists of two .0008 mfd. 1000 volt units in a single housing. Four leads. Made by Sprague.

C14207—Your Cost **32¢**  
 Each.....  
 5 For.....\$1.44

## Dome Light Filter

Eliminates the noise in dome light wiring. Has condenser-choke.

C14208—10 For \$2.61  
 Your Cost Each **29¢**

## Copper Shielding



Used for shielding of interference creating circuits. Closely woven.

BARE	Diam.	TINNED
C16234	2 1/2"	1 1/2"
C16235	3"	2"
C16236	3 1/2"	2 1/2"
C16237	3c	3c
C16238	3c	3c
C16239	5c	5c

## Generator Condensers

Standard auto radio condensers designed to eliminate generator noise. Fully shielded. Dirt and oil proof.

No.	Mfd.	Each	10 For
C14220	.25	15c	\$1.35
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.

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¢**





# HOOK-UP & MAGNET WIRE

## Metal Shielded Wire

Shielded with a seamless copper tube. Absolutely moisture-proof and remarkably strong. No. 22 conductor. Hi-voltage insulation. In 5-foot lengths only.

**C16183**—One wire..... 75c  
**C16184**—Two wire..... 95c  
**C16185**—Three wire..... \$1.05

## No. 14 Tinned Solid Copper Push-Back Wire

Designed for heavy-duty work in power amplifiers, transmitters, etc. Cotton wrapper with heavy lacquer insulating material and final layer of impregnated cotton braid. High breakdown voltage.

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

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

## Push Back WIRE

### Solid Tinned Copper Core Type

No stripping is necessary. Just push back the double cotton-covered moisture-proofed braid. No. 20 wire. Four colors for circuit identification. Weight 2 lbs. per 100 feet.



**25-Foot Coils**  
**C16350**—Red **C16352**—Black  
**C16351**—Green **C16353**—Yellow  
 Your Cost (10 For **\$1.55**), Per Coil..... **17c**

**50-Foot Coils**  
**C16358**—Red **C16360**—Black  
**C16359**—Green **C16361**—Yellow  
 Your Cost (10 For **\$2.75**), Per Coil..... **31c**

**100-Foot Coils**  
**C16366**—Red **C16368**—Black  
**C16367**—Green **C16369**—Yellow  
 Your Cost (10 For **\$5.55**), Per Coil..... **62c**

**1000-Foot Spools**  
**C16374**—Red **C16376**—Black  
**C16375**—Green **C16377**—Yellow  
 Your Cost, Per Spool..... **\$4.95**

### Standard Tinned Copper Core Type

Very flexible wire of multi-strand tinned copper; equivalent to No. 20. Cotton braid pushes back easily. Available in 4 colors. Weight, 2 lbs. per 100 feet.

**25-Foot Coils**  
**C16354**—Red **C16356**—Black  
**C16355**—Green **C16357**—Yellow  
 Your Cost (10 For **\$1.70**), Per Coil..... **19c**

**50-Foot Coils**  
**C16362**—Red **C16364**—Black  
**C16363**—Green **C16365**—Yellow  
 Your Cost (10 For **\$3.25**), Per Coil..... **36c**

**100-Foot Coils**  
**C16370**—Red **C16372**—Black  
**C16371**—Green **C16373**—Yellow  
 Your Cost (10 For **\$6.45**), Per Coil..... **72c**

**1000-Foot Spools**  
**C16378**—Red **C16380**—Black  
**C16379**—Green **C16381**—Yellow  
 Your Cost, Per Spool..... **\$5.75**

## Colored Rubber Wire

Stranded and tinned 20 gauge copper wire covered with a live rubber compound. Very flexible; easy to strip. Solders instantly. Available in three colors.



**25-Foot Coils**  
**C16272**—Red **C16273**—Black  
**C16274**—Green **19c** 5 For 85c

**1000-Foot Spools**  
**C16108**—Red **C16109**—Black  
**C16110**—Green **\$5.85**

**No. 16 RUBBER COVERED**  
**C16280**—Black **C16281**—Red  
 50 Ft. 100 Ft. 500 Ft.  
 Your Cost 62c **\$1.18** **\$5.29**

**Stranded No. 14 Gauge**  
**C16121**—Black **C16120**—Red  
 25 Ft. 50 Ft. 100 Ft.  
 Your Cost 45c **85c** **\$1.55**

**Stranded No. 12 Gauge**  
**C16122**—Black **C16123**—Red  
 25 Ft. 50 Ft. 100 Ft.  
 Your Cost 75c **\$1.45** **\$2.59**



## RESISTANCE WIRE ON HANDY SIZE SPOOLS

High grade resistance wire in small quantities for use in highly sensitive instruments where accurately determined resistance values, secured through the employment of a high grade alloy wire, are necessary.

Wire Gauge	Ohms Per Ft.	ENAMELED		BARE	
		Stock No.	Ft. In. Spool	Stock No.	Ft. In. Spool
14	.04603	C16600	20	C16614	24
16	.07318	C16601	31	C16615	38
18	.1164	C16602	40	C16616	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		ENAMELED	
	Stock No.	Ft. In. Spool	Stock No.	Ft. In. Spool	Stock No.	Ft. In. Spool
14	C16500	21	C16514	19	C16528	25
16	C16501	33	C16515	25	C16529	40
18	C16502	42	C16516	31	C16530	48
20	C16503	60	C16517	42	C16531	85
22	C16504	81	C16518	60	C16532	133
24	C16505	110	C16519	83	C16533	200
26	C16506	148	C16520	101	C16534	292
28	C16507	168	C16521	119	C16535	420
30	C16508	192	C16522	141	C16536	590
32	C16509	216	C16523	163	C16537	805
34	C16510	242	C16524	190	C16538	1150
36	C16511	266	C16525	219	C16539	1560
38	C16512	294	C16526	243	C16540	1980
40	C16513	325	C16527	275	C16541	2430

Your Cost Each, Any Spool **20c**

## Extruded Plastic Tubing

10,000 V. di-electric strength. Will not support combustion. Resistant to petroleum solvents, acid, alkalis and soldering temperatures. May be bent over A.S.T.M. specification mandrel after heating at 220° for 150 hours. All are 3-foot lengths.

**Size No. 16** 10 For **63c**  
**C16186**—Black  
**C16187**—Yellow 7c Ea.

**Size No. 12** 7 1/2c ea. 10 For **67c**  
**C16188**—Black  
**C16189**—Red  
**C16190**—Yellow  
**C16191**—Green

**Size No. 8** 10 For **\$1.70**  
**C16192**—Black  
**C16193**—Yellow 19c ea.

## 8-Yard Spools of Spaghetti

High grade varnished cambric tubing. 5000 V. di-electric strength. 8-yard lengths on fibre spools. Takes a No. 12 wire.

**C15951**—Red **C15952**—Green  
**C15954**—Yellow **C15955**—Black

Takes a No. 14 wire.  
**C15750**—Red **C15752**—Green  
**C15751**—Yellow **C15753**—Black

Any Above Sizes Per 8-Yard Spool..... **59c**

Takes a No. 18 wire—12 yard spool only.  
**C15754**—Black Per 12-Yard Spool..... **59c**



## FINEST GRADE MAGNET WIRE



Highest quality copper wire. Excellent for re-winding power transformers and chokes, winding coils or any other radio and electrical purpose. Ideal for use in shops, schools, laboratories, etc.

### PLAIN ENAMELED

Stock No.	Size B&S	Ft. Per Lb.	Your Cost 1/4 Lb.	1/2 Lb.	1 Lb.
C20950	18	125	\$0.16	\$0.29	
C20951	18	202	.16	.29	
C20952	20	319	.17	.31	
C20953	22	506	.17	.31	
C20954	24	804	.18	.32	
C20955	26	1280	.20	.36	
C20956	28	2030	.22	.38	
C20957	30	3220	.24	.43	
C20958	32	5100	.26	.47	
C20959	34	8080	.30	.55	
C20960	36	12800	.39	.71	
C20961	38	20300	.49	.88	

### Spaghetti Tubing

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

### Double Silk Covered

Stock No.	Size B&S	Ft. Per Lb.	Your Cost 1/4 Lb.	1/2 Lb.	1 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 1/4 Lb.	1/2 Lb.	1 Lb.
C20973	16	122	\$0.18	\$0.33	
C20974	18	192	.20	.36	
C20975	20	298	.21	.37	
C20976	22	464	.23	.41	
C20977	24	711	.26	.47	
C20978	26	1080	.31	.57	
C20979	28	1630	.36	.65	
C20980	30	2420	.42	.76	
C20981	32	3500	.49	.90	
C20982	34	4920	.59	1.06	
C20983	36	6660	.79	1.48	

## ROUND TINNED COPPER BUS BAR No. 14—2-FOOT LENGTHS

10 Lgths. 100 Lgths. **C15965**—Your Cost... **14c** **\$1.27**

NOTE: Wire prices are affected by conditions of metal markets, therefore all wire prices are subject to change without notice.

## GIANT SLEEVING

No. 2 Spaghetti. I. D. 1/4"; 36" long. High Voltage oil varnish impregnation. Black only. **C15956**—10 For **\$1.25** Per length..... **15c**

## Multi-Conductor Cable



A high grade, heavily insulated cable. Each lead has a different colored rubber jacket for easy identification. 18 gauge, stranded tinned copper wire. Cotton braid overall.

No.	Wires	Per Ft.	100 Ft.
C16089	3	2 1/2c	\$2.25
C16090	4	3c	2.70
C16091	5	4c	3.60
C16092	6	4 1/2c	4.50
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

## BELDEN Shielded Rubber Mike Cable



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

No.	Condr.	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.

No.	Condr.	O.D. Ft.	100 Ft.
C20910	2	.245' 3c	\$2.66
C20880	3	.265' 4c	3.32
C20881	4	.260' 5½c	4.26

## 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..... **5¢**

No. 14 gauge, .027" rubber wall (19x27). 100 Ft. for \$3.09  
C16218—Your Cost per Ft. **4¢**

No. 16 gauge, .022" rubber wall (19x29). 100 Ft. for \$2.54  
C16219—Your Cost per Ft. **3¢**

## Rayon Push-Back

No. 20 tinned copper, heavy rayon 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\*..... **59c**

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.

## Test Prod Lead Wire

Flexible No. 18 wire (65x36) tinned copper. Cotton wrap. ¼" rubber wall. Two 7 ft. lengths red and black (14-ft. total) parallel wound.

C16336—Two 7-ft. lengths.  
Your Cost **28¢**

Per Spool

C16337—Red or Black (Specify).  
Your Cost per 100 Feet..... **\$1.29**

## 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.  
C16171—500-ft. spool **\$6.21**

## 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	3½c	\$3.15
C20946	16—2-wire	5c	4.50
C20947	14—2-wire	10½c	9.45
C20948	18—3-wire	4c	3.60

## 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 "basket-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..... **78½c**

C16248—No. 20 Stranded..... **85c**

C16204—No. 18 Solid..... **86½c**

C16205—No. 18 Stranded..... **96½c**

## Shielded Hook-Up Wire

No. 20 hook-up wire with closely woven tinned copper shielding over a ¼" rubber wall with rayon braid under shield. O.D. .105"

C16294..... **2¢**  
Per Ft.....

Per 100-Ft..... **\$1.59**

**Impedance Matching Cable**  
No. 18 stranded, rubber covered cotton, twisted pair, weatherproof overall White cotton braid. For all-wave jobs, 72 ohm impedance matching half-wave dipole aerials.  
500 Foot Spool **\$9.15**  
C16174.....

**"EO-1" Type Cable**  
12 solid cellophane wrap. .035" rubber, twisted pair, weatherproof overall cotton braid. Carries up to 2000 watts.  
C20887—Per Ft..... **5¢** **\$3.93**

## 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..... **13¢**  
Per 250 Ft..... **\$28.75**

## All-Rubber Lead-In Wire



Easy stripping—easy soldering. All made of 7 strands tinned copper wire with extra thick rubber sheath .040" in diameter. Shpg. wt. 3 lbs. per 100 ft.

Stock No.	Belden No.	Wire Gauge	Lgth. Feet	Your Cost
C16227A	8200	18	100	\$45½¢
C16227B	8200	18	1000	3.70

## 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 Type Out. Cap. Per 100 No. No. Dia. Mmfd. Ft. Ft.  
C20844 8401 .245" 25 6c \$4.77  
C20858 8411 .155" 35 4c 3.24  
C20848 8431 .160" 55 2½c 2.00

## 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 **4½¢**  
Per Foot.....

As above, but with rubber sheath overall. .290" O.D.  
C20884—100-ft. For \$4.79 **6¢**  
Per Foot.....

## 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..... **3¢**  
100 Ft., \$2.18 500 Ft., \$10.23

## Belden No. 8888 Plastic Insulated Parallel Lamp Cord



POSN 64 style, 18 gauge. One bare and one tinned copper conductor, flexible stranding; parallel conductors with synthetic plastic insulation and sheath integral. Especially adaptable for small appliances and devices such as lamps, electric clocks, Radio Sets, etc. Available in black only.  
C20938—  
Your Cost per Foot..... **2½¢**  
100 feet..... \$2.25 250 feet..... \$5.35

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

## Parallel All Rubber Lamp Cord



Both conductors sheathed in coating of tough live rubber. Ridge between conductors allows easy separation without fear of ruining 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.  
**2¢ \$1.68 \$7.85**

## 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

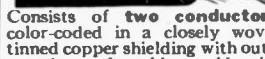
## Single Conductor Crystal Mike Cable



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

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

## Low Impedance Crystal And Velocity Mike Cable



Consists of two conductors, color-coded in a closely woven tinned copper shielding with outer covering of rubber. Abrasion proof.  
C16079—Per Foot..... **5½¢**  
C16201—50-Foot Roll..... **\$2.60**  
C16202—100-Foot Roll..... **4.65**

## 3 and 5 Conductor Shielded Cable



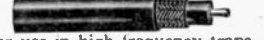
Three color-coded stranded conductors in tightly woven tinned copper shield. ¼" outer covering of high percentage rubber.  
C16145—Per Foot..... **6½¢**  
C16206—50-Foot Roll..... **\$3.09**  
C16207—100-Foot Roll..... **5.95**  
Similar to above, but 5-conductor.  
C16100—100-Foot \$9.00 **10¢**  
Your Cost per Foot.....

## Parallel Rayon Cord



Popular type for connecting radio receivers, lamps, etc. Overall covering of rayon braid.  
18 Gauge—1½" Wall  
C20836—Maroon C20838—Brown  
C20837—Old Gold **2¢**  
Your Cost, Per Foot.....  
100 Ft..... \$1.85 500 Ft..... \$8.80

## Ultra Low Loss Coaxial Cable



For use in high frequency transmission lines, photo-electric work, or wherever coaxial cable is required. The dielectric is solid flexible low loss Polyethylene thermoplastic. .185" in diameter with a woven copper shield braid and heavy vinyl outer covering. Inner conductor is 7 strands of No. 26 copper wire. Impedance 58 ohms. Capacitance per foot 27 mmfd. .275" O.D. Available in 75 foot lengths only.  
A17127—  
Per 75 Ft. Length. **\$5.75**

## Cotton Twisted Pair



18 Gauge, ½" R.C. wire with a cotton covering. Yellow and green mixture.  
C20902—Your Cost **2½¢**  
Per Foot.....  
Per 250 Ft. Your Cost..... **\$4.40**



# MIKE STANDS and ACCESSORIES

## Turner "Third Hand"



A fully adjustable light weight (only 12 ounces) neck stand which brings the mike close to the lips without interfering with vision, and leaves both

hands free for driving, demonstrations, lecturing, etc. Standard  $\frac{3}{8}$ -27 thread, fits any mike.

**C13453—Your Cost Each... \$2.94**

## ASTATIC "Grip-To-Talk" Desk Stand



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

**C13373—Your Cost... \$5.88**

## High Quality Floor Stands



Adjustable smoothly and noiselessly, and provided with wear-never, sure-grip automatic friction clutch 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  $\frac{3}{8}$ "-27 thread to fit standard mikes. Extends from 35" to 68". Has 10" dia. base with black crinkle finish. Shpg. wt. 19 lbs.

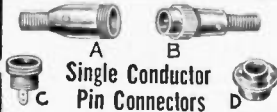
**C13647—Each... \$4.45**

## Mike Cable Clip



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

## 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  $\frac{1}{4}$ " dia.

**C13286—Male (B) 38¢ Ea.**

**C13287—Female (A) 38¢ Ea.**

**C13288—Female chassis connector. Mounts in a single  $\frac{5}{8}$ " hole. (C) 24¢**

**C12574—Female chassis connector with riveting plate. Single  $\frac{5}{8}$ " hole mtg. (D) 29¢**

## Two-Conductor

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

**C13289—Female 47¢ Ea.**

**C13290—Male 47¢ Ea.**

**C13292—Female chassis connector. Mounts in a single  $\frac{5}{8}$ " hole. Your Cost 27¢**

**C12575—Female chassis connector with riveting plate. Single  $\frac{5}{8}$ " hole mtg. Your Cost Each 32¢**

# Turner MICROPHONES

## Model 22X Crystal

Top performance in clean and sharp reproduction with a minimum of feedback. Built-in wind-gag, automatic barometric compensator, and thorough impregnation against moisture adapt this excellent crystal mike for both indoor and outdoor operation. Has 90° tilting head, 7 ft. removable cable set and chrome type finish. Range, 30-7,000 cps. Output level, -52 db. High Imp.

**C13750—Your \$10.88 Cost.**



## Model 22D Dynamic

Identical in appearance with Model 22X listed above, but with smooth-response dynamic cartridge. Output level, -54 db. Range, 40-8,000 cps. With tilting head, 7 ft. cord set, and chrome type finish. High Imp.

**C13751—Your \$13.82 Cost.**

## Model U9S Dynamic

A twist of the switch on the back of this professional dynamic will give you outputs of 50, 200, or 500 ohms, or high impedance at an output level of -52 db. Smooth response from 40-9,000 cps. Has tilting head, gunmetal finish, and 20 ft. detachable cord set.

**C13754—Your \$22.05 Cost.**



## Model 33D Dynamic

A rugged all purpose dynamic with 90° tilting head for semi or non-directional operation. Chrome type finish. 20 ft. detachable cable. Wide range, 40-10,000 cps. with -54 db output level. High Imp.

**C13752—Your \$14.70 Cost.**



## Model 33X Crystal

Identical in appearance with the above, but with high capacity crystal cartridge to permit the use of extra long cables. Wide range, 30-10,000 cps with output level of -52 db. With 20 ft. detachable cable. High Impedance. **C13753—Your \$13.23 Cost.**

Models 33 and 22 are available on special order with built-in push-to-talk switch at an additional \$1.18.

## Model 211 Broadcast

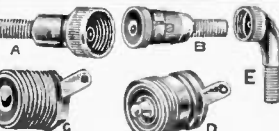
Utilizes new type magnet structure and acoustic network. A unique diaphragm structure for extended frequency range provides low harmonic and phase distortion, and improved low frequency response without sacrificing high output. Has tilting head, 20 ft. detachable cable, and chrome type finish. Response, 30-10,000 cps with output level of -56 db below 1 volt per bar for high imp. model, and .25 millivolt output for 10 bar signal on 30-50 ohm model.

**C13755—High Imp. Each... \$26.46**  
**C13756—30-50 Ohms. Each... \$24.99**



# AMPHENO Connectors and Plugs

## Single Contact Mike Connectors



Pressure type compact connectors for use with single conductor microphone cable. Utilize shell for second contact. Contact is made when center soldered connections are pressed together by tightening coupling.

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

**C13359—Each 29¢**

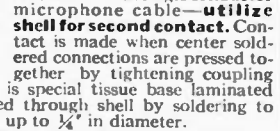
**Type PC1M—Male chassis connector. Same as MC1M, but for chassis mtg. (C) 18¢**

**C13361—Each 18¢**

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

**C13277—(E)—Each 35¢**

## Shielded Locking Type Microphone Connectors



MC series. With polarized shells. Can be used on  $\frac{5}{8}$ "-27 stands. Locking ring on male, and cable clamps on both, with spring cord protector. Interchangeable bakelite elements. Coupled,  $2\frac{3}{4}$ "  $\frac{1}{2}$ ".

**3-Contact Connectors**

**C13489—Male (A) 59¢ Ea.**

**C13490—Female (B) 59¢ Ea.**

**C13396—Female chassis type (C). For  $1\frac{1}{2}$ " hole. Your Cost Each 29¢**

**4-Contact Connectors**

**C13488—Male (A) 65¢ Ea.**

**C13499—Female (B) 65¢ Ea.**

**C13397—Female chassis type (C). For  $1\frac{1}{2}$ " hole. Your Cost Each 32¢**

**Special Chassis Type**

Female for panels up to  $\frac{1}{2}$ ". Male, with ring, for panels up to  $\frac{3}{8}$ " thick. Recessed contacts.

**C13307—3pr. Female 59¢**

**C13308—3pr. Male 59¢**

**C13309—4pr. Female 65¢ Ea.**

**C13310—4pr. Male 65¢ Ea.**

## Phone Plug Adapter



Makes a standard phone plug out of the MC1F cable connector. No soldering or wiring required.

**C13388—MC1P Your Cost 26¢**

## Microphone Switch



Attaches between male and female of any of the above connectors. Push-to-talk or side switch for permanent connection.

**C13357—MC1S Your Cost 59¢**

## American Carbon Hand Microphone

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

**C13384—\$6.47 Each**

## Carbon Granules

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

**C13481—29¢ Each**

## Microphone Springs

Made of fine tempered steel.

**C13402—Set of 8. 17¢ Your Cost.**

## Save-ur-Mike Cover

Keeps dust, grit, moisture and dampness out of your microphone. Reproduction 95% true. Eliminates wind howl.

**C13450—Your Cost 59¢ Each**

## SHURE Mike Switch

Type A83A: For Shure cable connector mikes. No wiring required.

Shpg. wt. 1 lb. **\$2.35**

**C13594—Each \$2.35**

## ICA Shielded 3 Way Microphone Plug



Barrel is made of nickel plated brass. Fully insulated bushing.

**C13519—5 For \$4.10, Each 91¢**

As above but with bakelite barrel.

**C13521—5 For \$2.93, Each 65¢**

## ICA Shielded 3 Way Jack



Phosphor bronze spring jack. Nickel plated brass shell.

**C13520—Your Cost 88¢**

**C13522—Jack, less shell. 44¢ Your Cost.**



# PHONO NEEDLES • PICKUPS

## PLAYBACK NEEDLES

**LONG PLAYING PHONO NEEDLES for Commercial Records, Victor, Decca, Columbia, etc.**

- (A) **Sapphire** needle with offset shank for minimum wear and low scratch level. Shadowgraphed. Play about 2500 sides without changing. **59¢**  
**C195—Your Cost Each**
- (B) **Deluxe Fidelitone** long-life needle. High fidelity. Plays 2000 standard commercial records; 4000 home recordings. Platinum point. **69¢**  
**C163—Your Cost Each**
- (C) **RELIANCE** 4000 play needle in plastic case. Low surface noise. **85¢**  
**C443—Your Cost Each**
- (D) **Permo Point** 2000 play needle with patented precious metal elliptical point. Standard for coin machines. **50¢**  
**C164—Your Cost Each**
- (D) **Reliance Permanent Point** Needles, 3000 plays. **39¢**  
**C165—Your Cost Each**
- (E) **Fidelitone "Floating Point"** needle. Filters record scratch. 3 to 6 months average use. (1000 or more sides). Platinum point. Ideal for changers. **50¢**  
**C227—Your Cost Each**
- (E) **Deluxe Fidelitone "Floating Point"** needle. As above, but good for 5000 plays. **\$1.00**  
**C478—Your Cost Each**

## 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¢**  
**C286—Your Cost Each**
  - (J) **Red shank steel** needles for acetate recordings. Individually shadow tested. **38¢**  
**C433—Package of 100. Your Cost**
  - (K) **Filter point** highly polished surgical steel needle. Shadow tested. Low surface noise. 10-15 plays. **8¢**  
**C209—Package of 12. Your Cost**
  - C222—Package of 35. Your Cost**
  - C226—Package of 200. Your Cost** **51.2c**
  - (L) **Sapphire Tipped Playback Needle!** Permanent needle—plays 2000 commercial records with minimum wear. Excellent frequency characteristics. **\$1.15**  
**C448—Your Cost Each**

## RCA-VICTOR "ONE GRAND" NEEDLE

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



## PHONO NEEDLES FOR STANDARD COMMERCIAL RECORDS

- (J) High fidelity, shadow tested steel needle. Each good for 10 sides. **8¢**
- C430A—Package of 12. Your Cost** **16c**
- C430B—Package of 30. Your Cost**
- (J) **RCA steel** phonograph needles.
- C153—Full Tone.** (Package of 100).
- C160—Extra Loud** (Package of 100). **10¢**  
**Your Cost per Package** **75c**
- 10 Packs assorted.
- (J) **RCA Chromium** needles. Green shank. **25¢**  
**C357—Package of 6.**
- (J) **RCA Tunstone** needles.
- C158—Full Tone** (Package of 8). **51.80**  
**Your Cost per Package**
- 10 Packs assorted.
- (J) **Reliance Chrome plated** individually shadowgraphed needles. Good for 15 plays each. **15¢**  
**C440—Package of 6. Your Cost**
- (J) **Green shank shadowgraphed** needles. Good for 12 plays each. **38¢**  
**C432—Package of 100. Your Cost**
- (K) **Hi-Fi** needles for automatic record changers. Good for 10-15 plays each. **23¢**  
**C146—Package of 30. Your Cost**
- (K) **RCA Red Seal** needles, designed to play back Red Seal records. 10 Packages for **51.50** **20¢**  
**C141—Package of 50. Your Cost**

## RECORDING NEEDLES

- ### 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**  
**C191—Your Cost Each**
  - (F) **Like above, but with Long Shank** to fit Presto Professional and Brush cutting heads. **\$3.45**  
**C198—Your Cost Each**
  - (G) **Sapphire cutter** ground to W.E. spec. For acetate discs. About 10 hours life. Can be resharpened. **\$4.25**  
**C196—Your Cost Each**

### STEEL CUTTING NEEDLES

- (H) **Stellite cutter** for acetate discs. Extremely quiet. Cuts hundreds of sides; can be resharpened. **\$1.00**  
**C337—Your Cost Each**
- (I) **Individually polished steel cutter** for acetate discs. Will cut 15 to 25 10-in. discs. **59¢**  
**C348—Package of 5. Your Cost**
- (I) **Alloy cutter** for acetate; harder than steel. Polish while they cut. **Hand lapped.** **95¢**  
**C434A—Package of 5. Your Cost**
- C434B—Package of 10. Your Cost** **51.79**

## KACTI NEEDLES

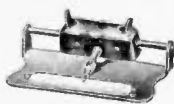


Long playing cactus needles that produce clear soft natural tones. Mechanical

surface scratch is practically eliminated. Easy to resharpen. Will not scratch or damage records. **C359—Pkg. of 12** **29c**  
**10 Packages for** **\$2.60**

## TRU-POINT

### Cactus Needle Sharpener



A new and improved type of needle sharpener that makes a smooth accurately shaped point on cactus or thorn needles. Assures an efficient playing point of satisfying quality. No parts to assemble—ready for instant use. **\$1.32**  
**C274—Your Cost**

## SHURE "Hi-Lo" Pickups



High (1.4 V.) output combined with low (1-oz.) weight make his one of the finest pickups at its price! Response 60-7000 cycles. 8 3/8" arm for up to 12" records. Mahogany color plastic. Bimorph crystal. With set and thumb screws. Ship. wt. 9 oz. **C13417—Model 97A.** **Your Cost** **\$3.23**  
**Each**

## 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  $\pm 2$  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**

### ASTATIC Pickups



**Model S-8**: Lightweight straight arm type with ball bearing mount. Fine response. For up to 12" records. 8" arm. Shpg. wt. 3 lbs. **C161—** **Your Cost** **\$5.88**

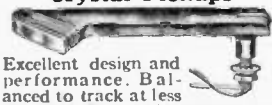
**Model AB-8**: Offset-head. Excellent response. Spring-axial cushioning. Brown finish. Internally damped crystal. Shpg. wt. 3 lbs. **C119—** **Your Cost** **\$5.88**

### 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  $\pm 2$ db) 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. 1 1/4" overall. Taupe and bronze finish. For up to 16" records. **With equalizer.** Shpg. wt. 8 lbs. **C13462—** **Your Cost** **\$26.46**

### WEBSTER Crystal Pickups



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

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

**C530—Model AC-10-1.** Response 50-7000 c.p.s. 2 1/2-oz. pressure. Less needle. **Your Cost** **\$2.91**

## ★ SPECIAL VALUE ★ Genuine Sapphire Offset-Type Needle



This extraordinary sapphire tipped needle will provide a guaranteed 5000 perfect plays. Surface noise and distortion are greatly reduced by an ingenious cushion action design that minimizes record wear and eliminates needle talk. Full tonal range and crystal-clear reproduction. **C115—** **Your Cost** **\$1.08**

**Precious Metal Tipped Needle**—1000 Plays

Similar in design to above but with a special alloy tip for long life and full clarity. **C116—Each Only** **54¢**

### NEEDLE CUPS

Antique bronze finish. 1 1/4" diameter. **C130—Open** **Each 5c**  
**C131—Closed** **Each 8c**

### Webster "AJ-1" Lightweight Crystal Pickup



Precisely balanced pickup with semi-permanent precious-alloy needle. Practically no record wear or needle changing. Streamlined bakelite arm. 40 grams pressure. 5 V. output. Wt. 1 lb. **C427—Model AJ-1** **Each** **\$3.82**





# RECORDING BLANKS • CARTRIDGES



## PROFESSIONAL RECORD BLANKS

### 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. Each	\$0.73
C11987—12" size. Each	.91
C11988—16" size. Each	1.83

## AUDIODISCS

### "RED LABEL" Glass Base

Faustlessly 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.\*

C11989—8". Each	\$0.70
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. Double sided. Labelled.\*

C11990—8". Each	\$0.60
C11997—10". Each	.80
C11998—12". Each	1.00
C11999—16". Each	2.00

## \*NOTE

As we go to press limited quantities of aluminum have been allocated for professional type record blanks. We will fill orders with aluminum or glass base discs—whichever is currently available.

## HOME RECORDING BLANKS RECORDISCS

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.

### Yellow Label

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

C11969—SIX 6 1/2" Discs	\$0.50
C11970—SIX 8" Discs	.80
C11971—SIX 10" Discs	1.20

### Green Label

Uniformly coated over a heavy, specially processed steel base that is surface-processed and critically inspected. Non-inflammable coating of a compound which enables reproduction of truly wide tonal ranges. Average 200 plays on each side with low noise level.

C11972—6 1/2". Each	17c
C11973—8". Each	23c
C11974—10". Each	33c

### Blue Label

For brilliant and consistent reproduction quality over a wide frequency range we recommend these discs. Heavy coating of a professional nitrate over a carefully prepared, critically processed steel base insures quiet, smooth cut grooves. Vastly superior to commercial phonograph records in surface noise. Inflammable shavings.

C11982—6 1/2". Each	20c
C11983—8". Each	27c
C11984—10". Each	40c

## Wilcox-Gay Recordio Discs

Lightweight, flexible discs for use with home recorders. Non-inflammable. Excellent recording quality. Coated and label both sides.

C11979—SIX 6 1/2" Discs	\$0.60
C11980—SIX 8" Discs	1.00
C11981—SIX 10" Discs	1.50

## ★ SPECIAL VALUE ★ ALUMINUM BASE DISCS

High quality recording discs with a coating of professional nitrate compound on an aluminum base. Low noise level, warp-proof and unbreakable. Light weight. A favorite for amateur and semi-professional use.

C11955—6 1/2". Each	20c
C11956—8". Each	27c
C11957—10". Each	40c
C11958—12". Each	53c

## PRESTO

### "ORANGE SEAL" DISCS ALUMINUM BASE

Famous Presto aluminum base recording discs now available again. Coated with Presto's special compound they have low surface noise and long playing life. Non-warping and lighter in weight than glass base discs listed below. Mirror smooth finish.

C11960—6 1/2". Each	\$0.40
C11961—8". Each	.55
C11962—10". Each	.80
C11963—12". Each	1.00

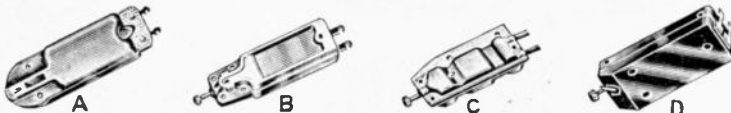
### "GREEN SEAL" Glass Base

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". Each	\$1.00
C11992—12". Each	1.25
C11993—16". Each	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.

## CRYSTAL PICKUP REPLACEMENT CARTRIDGES



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

### For Lightweight Pickups

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

### For Standard Pickups

C13407	Astatic	B-1	D	Lugs—bakelite case	2 1/2 x 5/8"	2 1/2-oz.	2.5V.	2.94
C140	Astatic	B-4	D	3" leads. Bakelite case	2 1/2 x 5/8"	2 1/2-oz.	2.5V.	2.94
C13973	Astatic	L-26	B	Flat 2-hole mount	2 1/2 x 3/4"	2 1/2-oz.	1.4V.	2.35
C233	Astatic	M-22	B	†Flat 2-hole mount	2 1/2 x 3/4"	2 1/2-oz.	3.0V.	2.94
C13393	Shure	W20C	D	†For 94, 98, 99, 910B PU's	2 1/2 x 3/4"	2 1/2-oz.	3.0V.	2.35
C13974	Shure	W27C	D	Universal mount Bake.	2 1/2 x 3/4"	2 1/2-oz.	3.0V.	2.94
C13975	Shure	W40A	B	Flat 2-hole mount	2 1/2 x 3/4"	2-oz.	3.0V.	2.35
C540	Webster	T1	D	Side hole mount	1 1/2 x 62"	2 1/2-oz.	2.0V.	2.85
C13976	Webster	C2	C	Flat, 2-hole flange mount	1 1/2 x 1"	2 1/2-oz.	2.0V.	2.12
C13977	Webster	C3	B	Special Clamp mount	1 1/2 x 5/8"	2 1/2-oz.	2.0V.	2.12
C13978	Webster	E4	B	Flat 3-hole mount	2 1/2 x 3/4"	2 1/2-oz.	1.5V.	2.35

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

### RCA Crystal Cartridges

C215	No. 31050	For Models 9842	2.7-oz.	1 1/2V.	2.20
C13424	No. 31156	For Models 9844, 9850	3-oz.	1 1/2V.	2.50
C280	No. 33122	For Models 9868, R93F, VA-21	2.7-oz.	1 1/2V.	2.20
C277	No. 33217	For Model 9891	2.7-oz.	1 1/2V.	2.20
C249	No. 35171	For Models 9869, 9908, 9909D, 9910, 9911	3-oz.	1 1/2V.	2.50
C13979	No. 38610	For Models V135, V140, Rec. PL.162	2-oz.	1 1/2V.	3.00



## 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. Will match 4-8 ohm voice coil windings. No mounting brackets are provided, but tapped mounting holes facilitate re-use of brackets on unit to be replaced. Size 2 1/2 x 1 1/2 x 3/4" with needle screw and 4-inch flexible leads. Less stylus. Shpg. wt. 8 oz.

**A13799—**  
**Your Cost** ..... **\$3.95**  
In 100 lots, Each ..... \$3.50

## 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 Speed Checker

Placed on turntable and illuminated with a bulb (AC) indicates correct speed at 78 or 33 1/3 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¢**

**|| SIGN WPB CERTIFICATION ON OUR ORDER BLANK OR ENCLOSE PRIORITY WITH ORDER ||**



# CARRON SPEAKER REPLACEMENTS

## CARRON EXACT DUPLICATE REPLACEMENT SPEAKER CONES

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



Stock No.	Carron No.	Model No.
<b>4" Speaker Cones</b>		
C19365	1623	Belmont 510
C19563	1562	Emerson AX211, 4X5-324
C19606	1564	Emerson C'T275, 6J5, 368U
C19366	1555	Gen. Elec. 11508
C19372	1553	Oxford (Fada 105-134B, RCA 9TX3)
C19367	1528	Quam.-Michols (paper Spider)
C19368	1614	Utah 4A100
C19369	1616	Utah 4A106A
C19370	1619	Zenith 49AG385
C19371	1620	Zenith 49U334

**59¢**

Stock No.	Carron No.	Model No.
<b>5" Speaker Cones</b>		
C19411	1417	Airline 62-475, Arvin 18
C19553	1450	Airline 62-518, Crosley A157
C19437	1415	Airline 62-236, Belmont 666
C19438	1473	Airline 62-274, Belmont 425
C19439	1322	Ariston A (Detrola 140)
C19440	1286	Belmont 580, Emerson 250W
C19441	1262	Chevrolet 985538 (Spkr. 41045)
C19442	1491	Chevrolet 985425
C19443	1634	Chevrolet 985538 (Spkr. 42391)
C19444	1503	Chevrolet 985426
C19445	1373	Crosley 516
C19446	1589	Crosley 719E, C-648-A
C19448	1369	Delco 631A, 640, Crosley 515
C19543	1489	Emerson A130, A132, A148, 149
C19449	1319	Emerson 107, 111
C19454	1505	Emerson BA199, BA201, BM-215

C19462	1584	Emerson D-L-330
C19578	1043	Jensen T3 (Crosley 175, 343)
C19463	1507	Jensen PM5DS, 115S
C19464	1553	Oxford 5A (Detrola 4F, 4J, etc.)
C19465	1198	Quam-Nichols (Aetna 4154W)
C19466	1387	Quam-Nichols (Air King 260)

**73¢**

Stock No.	Carron No.	Model No.
<b>6" Speaker Cones</b>		
C19525	1020	Admiral 5X, 6M, 6R, 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
C19479	1627	Jensen G6RS
C19670	1400	Jensen PM6C, G6R
C19671	1571	Jensen PM6GS
C19576	1285	Jensen F6R (Belmont 777)
C19471	1606	Motorola 28D
C19640	1081	Rola F5
C19472	1281	Rola DP5B (Colonial R11553)
C19473	1581	Utah 6B103

**88¢**

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

**1.03**

Stock No.	Carron No.	Model No.
<b>8" Speaker Cones</b>		
C19689	1347	Chevrolet 985301 (Rola)
C19548	1254	Grunow 650, 651, 661, 8A4
C19612	1411	Jensen G8R, PM8C
C19506	1200	Magnavox 154D, 48C, 158
C19485	1548	Jensen PM8DS, PM8CS
<b>10" Speaker Cones</b>		
C19591	1000	Atwater-Kent No. 151-42, 55
C19782	1001	Atwater-Kent No. 14374
C19507	1367	At.-Kent No. 26243-711, 112
C19532	1060	Majestic G3, 90, 91, 101
<b>12" Speaker Cones</b>		
C19509	1256	Grunow 901, 902, 1101, 15
C19510	1035	Jensen D7, D8 (11 1/4")
C19512	1603	Jensen PM12GS
C19701	1384	Jensen PM12C
C19613	1474	Jensen PM12B

**1.32**

Stock No.	Carron No.	Model No.
<b>12" Speaker Cones—Continued</b>		
C19641	1366	Jensen A12
C19615	1316	Magnavox 132, 162 (Zenith 862)
C19514	1390	Magnavox 302
C19533	1062	Majestic G5, 131, 132
C19518	1611	Oxford 12AMP, 12MS1, 12MS2
C19588	1315	Rola G12
C19520	1642	Utah 12P-G17A, 12J43-B
C19521	1664	Utah G-12-P, 12PH15-C
C19522	1483	Utah CT13, 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**

Stock No.	Carron No.	Model No.
<b>For Philco Sets</b>		
<b>4" Speaker Cones</b>		
C19534	1542	TH-4 (Pt. No. 36-1469)
C19538	1587	TP4, TP12, PT25

**Your Cost, Each, 53¢**

Stock No.	Carron No.	Model No.
<b>5" Speaker Cones</b>		
C19682	1244	54, 57 (Pt. No. 36-3029)
C19552	1203	5, 5T (Auto) (Pt. No. 02861)
C19703	1343	FT9 (Ford) 816 (Pt. No. 36-3526)
C19515	1529	38-12, Run 6 (Pt. No. 45-1344)

**Your Cost, Each, 59¢**

Stock No.	Carron No.	Model No.
<b>6" Speaker Cones</b>		
C19549	1500	C1608 (Chrysler)
C19550	1455	F1540 (Ford), (Pt. No. 45-2608)

**Your Cost, Each, 59¢**

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

**Your Cost, Each, 59¢**

Stock No.	Carron No.	Model No.
<b>8" Speaker Cones</b>		
C19547	1079	20, 21 (Pt. No. 02625)

**Your Cost, Each, 73¢**

Stock No.	Carron No.	Model No.
<b>10" Speaker Cones</b>		
C19529	1248	16B, 14LZX (Pt. No. 02625)
C19400	1078	87, 40, 41, 65 (Pt. No. 36-3170)

**Your Cost, Each, 82¢**

Stock No.	Carron No.	Model No.
<b>12" Speaker Cones</b>		
C19551	1539	39-40, 39-45 (Pt. No. 36-4089)

**Your Cost, Each, \$1.32**

Stock No.	Carron No.	Model No.
<b>For RCA Sets</b>		
<b>5" Speaker Cones</b>		
C19406	1236	R28, 300, 301, 100 (Pt. No. 8987)
C19554	1091	M34, M105 (Pt. No. 9023)
C19486	1599	RCA 94BT, 94BT6, 95T, 95T1

**Your Cost, Each, 59¢**

Stock No.	Carron No.	Model No.
<b>6" Speaker Cones</b>		
C19410	1225	R37, R38, R38P (Pt. No. 9428)

**Your Cost, Each, 59¢**

Stock No.	Carron No.	Model No.
<b>9" Speaker Cones</b>		
C19405	1124	R32, 52, RE45, E35 (Pt. No. 10801)

**Your Cost, Each, \$1.03**

Stock No.	Carron No.	Model No.
<b>10" Speaker Cones</b>		
C19403	1088	34, 35, 39, 50, 80, RE20 (Pt. No. 8558)

**Your Cost, Each, \$1.18**

Stock No.	Carron No.	Model No.
<b>12" Speaker Cones</b>		
C19556	1517	910KG, 911K (Pt. No. 31275)

**Your Cost, Each, \$1.18**

**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¢**



**Voice Coil Dust Felts**

Felt discs as used on speaker voice coils to keep dust out of voice coils. Can be glued on to any speaker cone. Use Cement to apply.

**C14745—Your Cost, 18¢**



## UNIVERSAL FIELD COILS

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



Dimensions			
Type	Pole Piece Min.-Max.	Coil Out. Dia.	Coil Length Min.-Max.
A	1" — 1 1/4"	2 1/4"	1 3/4" — 1 5/8"
B	1 1/4" — 1 1/2"	2 1/2"	1 5/8" — 1 7/8"
C	1 1/2" — 1 3/4"	2 1/2"	1 7/8" — 2 1/8"
D	1 3/4" — 1 1/2"	2 1/2"	1 7/8" — 1 1/2"
E	1 5/8" — 1 13/16"	2 1/4"	1 7/8" — 1 5/8"

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. 1 1/2" pregated. Approx. size: 1 1/4" x 3/4" x 3/8" hole.

C19477—1000 ohms **55¢**

C19478—1500 ohms **55¢**

C19479—2500 ohms **55¢**


C19480—3000 ohms **55¢**



**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.

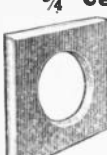
**C19649—Your Cost, Kit of 16, 35¢**



**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	1x18"	7 or 9"	.70
C19716	24x24"	7 or 9"	1.10
C19717	36x36"	9 or 12"	2.15
C19718	48x48"	None	4.50



**ECONOMY All-Steel Parabolic Baffle**

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

**C20054—Each, \$7.45**

**C20078—Your Cost, \$1.47**

**C20087—Each, \$7.45**



# CONCORD Replacement SPEAKERS



## CONCORD 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"	5 1/2"	2 1/2	4	2 1/2 lbs.	\$1.98
C19269	5"	6 1/2"	3	4 1/2	2 1/2 lbs.	2.04
C19270	6"	7 1/2"	4	6	2 1/2 lbs.	2.51
C19271	8"	8 1/2"	5	8	3 1/2 lbs.	3.04
C19290	10"	11 1/2"	8	10	6 1/2 lbs.	4.38
C19292	12"	14"	9	12	6 1/2 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

## CONCORD 12" PM Dynamics



These highly efficient PM speakers utilize the latest type magnets to insure extremely fine quality. Will handle great audio output without distortion. Frequency response covers the entire audible range. Construction features include: plated metal frames, ruggedly assembled; dust-proof magnets covered by removable pressed fibre housings. Ideal for P.A. Systems, fine radios, centralized systems, etc. Less transformers.

No.	Model	Normal Watts	Peak Watts	Voice Coil	Magnet	Shpg. Wt.	Each
C19222	P12	10	15	6-8 ohms	1" 12 oz.	7 lbs.	\$5.95
C19227	P12E	13	20	6-8 ohms	1" 20-oz.	9 lbs.	8.43
C19244	P12G	18	26	6-8 ohms	1" 46 oz.	13 lbs.	12.83

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.

## CONCORD "A.C.—Excited" Speakers

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



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

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

### A. C. Field Exciter

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

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

## UNIVERSAL Line and Tube Transformers

For use with Concord and other speakers. Universal tube transformers match voice coil to any tube, single or push-pull; universal line transformers match voice coil to 500, 1000, 1500, or 2000 ohm line. Average Shpg. wt. each 2 lbs.



For Speaker	Univ. Line	Univ. Tube	Each
P12, P12E, AC1012, AC1212 and AC1220	C19190	C19194	\$1.05
P12G, AC1240 and AC1275	C19191	C19195	1.37

## CONCORD 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 midrange 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" 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

Your Cost, Each **\$1.39**

### Special Transformers for 5" Models

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

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

### 6" Diameter Models

All equipped with universal tube matching transformers. Average shpg. wt. 4 lbs.

Stock No.	Field Resistance	Each
C19122	6 ohms (for auto sets)	\$2.31
C19165	1000 ohms	
C19109	1800 ohms tapped at 300	
C19166	2500 ohms	

### 8" Diameter Models

All equipped with universal tube matching transformers. Shpg. wt. each 6 lbs.

Stock No.	Field Resistance	Each
C19307	1000 ohms	\$3.20
C19283	1800 ohms tapped at 300	
C19292	2500 ohms	

### 10" Diameter Models

All equipped with universal tube matching transformers. Shpg. wt. each 7 lbs.

Stock No.	Field Resistance	Each
C19284	1000 ohms	\$4.36
C19285	2500 ohms	

### 12" Diameter Models

All equipped with universal tube matching transformers. Shpg. wt. each 9 lbs.

Stock No.	Field Resistance	Each
C19294	1000 ohms	\$5.10
C19295	2500 ohms	

## CONCORD Dynamic Auto Speakers



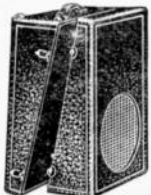
High quality speakers that are exact replacements for over 90% of the units in use today. Feature excellent quality of reproduction and correct design. All have 3 ohm voice coils and 4 ohm fields. Supplies **less transformer and mounting bracket**; all have pin-jack terminals. One side of field grounded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



with asterisk (\*) are also drilled and tapped for 1/2" 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					

## 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 covering. Plated snap lock fasteners (two each side). Size, closed, 9x14 1/2x22 1/4". Shpg. wt. 13 lbs.

C22062—Your Cost **\$6.45**

## Portable Speaker Cases For Single Speaker



To house any dynamic speaker up to 12" in diam. Sturdy plywood case covered with black leatherette. 10" opening; grille cloth covering. Leather handle, metal bumpers. Insert type door back. 14x14 1/2x9 1/4". Shpg. wt. .13 lbs.

C22061—Your Cost **\$3.95**

## Walnut Paging Baffle



A beautifully polished walnut baffle for deluxe paging systems. For any standard 8" PM speaker. Frieze grille cloth. 11" high, 10" wide, 6 1/2" deep at top and 3 1/4" deep at bottom. Shpg. wt. 6 lbs.

C21326—Your Cost **\$2.75**

## CONCORD Wall Baffles



Efficient enclosed speaker baffles with correctly angled front faces to provide coverage over a wide area. (Grille bars on 10" and 12" only). Selected hardwood, brown leatherette. Average wt. 6 lbs.

No.	Spk.	H. W. D.	Ea.
C20060	6"	8 1/2 x 7 1/2 x 4 1/2	\$1.45
C20042	8"	10 1/2 x 9 x 6 1/2	1.95
C20055	10"	14 x 12 x 8 1/2	2.95
C20056	12"	15 x 14 x 10 1/2	3.75

# NOTE

CONCORD speakers and baffles are built to our specifications and are guaranteed to give complete satisfaction. We carry a complete line of Jensen, Kainer and University drivers, speakers and projectors. Write for details.







# Transmitting KEYS and ACCESSORIES

## SIGNAL Practice Key Model R-50

Cast base black ripple finish. Coin silver contacts. Parts are heavily plated. Easily adjustable. Shpg. wt. 1 lb. **C14009—Your Cost. \$1.03**

## SIGNAL Key With Switch

A telegraph key with a switch to close the contacts. Polished lacquered brass base. Shpg. wt. 1 lb. **C14017—Your Cost. \$2.00**  
**C14005—Less Switch. \$1.65**

## "Original" Vibroplex

For all types of communications work where speed and perfect Morse are essential. Single lever. Two pairs of contact points; one for dots, other for dashes. Easy to adjust. Has unlimited sending possibilities. Polished parts with black base. Supplied complete with cord and wedge. Shpg. wt. 5 lbs. **C14057—Your Cost. \$15.95**

**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 3/4" long, 3 3/4" wide, 4 1/4" high. Shpg. wt. 3 lbs. **C14059—Your Cost Each. \$3.50**

## G.L. Automatic Tape Sender Model J.

Compact, easy to operate and highly accurate. Blank tape is spaced and punched, then run through the sender at speeds from 10 to 60 words per minute. For 110-120 volts a.c. With cord and plug. 5x5x3". Supplied with 5 rolls of blank tape. **Shipped Postpaid in U.S.A.**  
**C14022—Each. \$12.50**  
**C14023—1000-Ft. Roll Tape. \$1.00**

## Gardiner 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. Complete with case. 5 1/2 x 4 1/2 x 6". **Shipped Postpaid in U. S. A.**  
**C14060—Each. \$25.00**

## Bakelite Key Knobs

Brilliant black bakelite. Navy knob (illustrated) with disc. **C14037—Each 18¢**  
Flat paddle (not illustrated) as used on most speed keys. **C14038—Your Cost. 18¢**

## SIGNAL Model R-68 Code Practice Set

Key and high frequency buzzer on a polished hardwood base. Hook battery to terminals (1 1/2 volt cell required, not supplied) and it is ready to operate. Metal code plate on base. Wt. 2 lbs. **C14001—Your Cost \$2.35**

**Type R-60 BUZZER ONLY:** Fully adjustable. Has standard resistance of 2 ohms. Black crystal lacquer finish. **C14006—Your Cost. 73¢**

## "Champion" Vibroplex

Inexpensive and has exceptional sending qualities; clarity, speed and ease of operation. Single lever with two pairs of contact points (one for dots, one for dashes). Easy to adjust. Black crystal finish metal base. All parts above base in bright finish. Shpg. wt. 4 lbs. **C14058—Each. \$9.95**

## SPEED-X KEYS and ACCESSORIES

### Model 321 Senior Key

Heavy duty hand key with 1/4" pure silver contacts. Navy type knob. Die cast heavily plated base and key arm. Adjustable steel bearings; concealed brass connector strip. Shpg. wt. 2 lbs. **C14039—Your Cost. \$2.35**

### Model 300 Practice Key

Has two adjustments. Base of molded bakelite. 1/4" coin silver contacts. Machined parts in bright finish. Wt. 1 lb. **C14041—Your Cost. 88¢**  
Mod. 305. As above, with metal base. **C14053—Your Cost. \$1.03**

### Model 310 Manual Key

Heavy die-cast metal base finished in black wrinkle enamel. Smooth adjustable bearings. 1/8" pure silver contacts. Low cost key for light duty work. Shpg. wt. 1 lb. **C14051—Your Cost. \$1.47**  
Like above, but with switch. **C14052—Your Cost. \$1.76**

### Constant Tone Buzzer

Black bakelite base and cap. Silver contacts. Adjustment on vibrator. Resist. 2 ohms. Operates on 2-1 1/2 v. cells or "C" battery. **C14021—Your Cost. 73¢**  
**C20622—1 1/2 V. cells. Ea. 6 1/2¢**  
**C19867—"C" Batt. Ea. 30¢**

### Model 301 Key

General purpose key with molded black bakelite base. Well insulated. Adjustable silver contacts. bearings. 1/2" silver contacts. **C14040—Each. \$1.26**  
As above, with switch. **C14044—Your Cost. \$1.47**

### Model 515 Hi-Speed Key

Sturdy, heavy duty high speed key for communications work. Has two sets of 1/4" silver contacts. Metal parts heavily plated; base has black wrinkle finish, is 3x6 1/2 x 3 1/4". High quality construction. Less switch, cord and plug. Shpg. wt. 4 lbs. **C14033—Each. \$5.44**  
Cord and plug for above. **C14054—Your Cost. 59¢**

### Code Practice Set Model 450

Comprises a constant frequency adjustable buzzer and a standard hand key with 1/8" silver contacts, mounted on a brown bakelite base 6x4". Metal parts plated. Code card included. Uses 2-1 1/2 volt cells (not included). **C14027—Single Set. \$1.62**  
**Your Cost. \$1.62**  
**C20622—1 1/2 V. cell. Ea. 6 1/2¢**

## 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. **C14071—Your Cost, Each. \$1.47**

## SPEED-X Professional Semi-Auto. Key

A High-Speed chromium plated heavy steel base key with four non-slip rubber feet. 6 1/2" 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 1/2" pure silver contacts. Pigtail connections to vibrating arm. Lock nuts on all adjustments. Paddles adjustable to any required height. Furnished with circuit closing switch. Wt. 4 1/2 lbs. **C14028—Your Cost, Each. \$10.29**

## ICA Deluxe Signa-tone

\*Code Practice Set \*Keying Monitor  
A perfected Audio Oscillator, having 3 different output frequencies and a continuously variable volume control. A number of phones and keys may be connected for class room or radio club instruction. No well-equipped station should be without this keying monitor. An invaluable aid in improving any ham's "fist." Will follow the "bug" at all speeds. The Audio notes are similar to those of high quality commercial CW stations. 7 1/2" W, 4 1/2" H, 4" D. Shpg. wt. 4 lbs. Complete with tube and self-contained speaker, for 110 V. AC-DC. **C14086—Your Cost, Each. \$11.76**

## ICA Signa-Tone

\* 3 tone audio output  
\* Continuously variable volume control  
Primarily designed for class and radio club use. Originally intended for use with headphones, speakers may also be used. For 110 V. AC-DC. Complete instructions furnished for a class room setup for send-receive practice. 4" W, x 1 1/2" H, x 4" D. Wt. 2 1/2 lbs. **C14076—Complete with tube—Your Cost. \$8.82**

## BUD Oscillator

An audio oscillator with a built-in magnetic speaker that will operate up to twenty headphones. The internal speaker is automatically cut out of the circuit when headphones are inserted. Provided with a variable volume control and a variable pitch control for individual adjusting. Any number of keys may be connected in parallel to the oscillator for group practice. Metal case finished in grey crackle enamel. 4 1/2" H., 7 1/2" W., 3 1/4" D. **C14074—Your Cost. \$8.82**

## LINGUAPHONE Code Lesson Records

Learn code this easy way at your own convenience. Slow down or speed up your phono as you progress. Will operate on any phono or record player. Includes text book and 5 double-faced 10" discs (in album). Shpg. wt. 6 lbs. **C21895—Your Cost \$8.82**

**|| SIGN WPB CERTIFICATION ON OUR ORDER BLANK OR ENCLOSE PRIORITY WITH ORDER ||**

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# hallicrafters

## COMMUNICATION RECEIVERS

### HALLICRAFTERS Sky Ranger Portable Model S39

The most sensational portable ever designed! Not just a midget stuck into a carrying case, but a precision-built communications receiver in portable form. Will operate on 110 volts a.c. or d.c. or from self-contained batteries (approximate battery life 100 hrs.). Self-contained collapsible antenna which can be extended to nearly 3 feet. Covers four complete bands—542-1490 kc, 1.43-4.35 mc, 4.12-11.9 mc and 11.26-30.5 mc. R.F. stage on all bands. Automatic noise limiter, electrical bandspread.

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, 1H5GT beat oscillator, 1H5GT noise limiter and 2—3Z5GT rectifiers. 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. Doublet antenna socket—long antenna socket—phone jack. Dimensions: 7 $\frac{1}{2}$ " high, 8 $\frac{3}{4}$ " wide and 15 $\frac{1}{4}$ " deep. All operating controls on front panel. Net weight including all batteries is 18 lbs. Shpg. wt. 23 lbs.

C21084—Model S-39 Sky Ranger. **\$110.00**  
Your Cost, Complete with Batteries.....

### HALLICRAFTERS Model S-20R SKY CHAMPION

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 43 mc in four bands it employs a stage of pre-selection on each band for added sensitivity and selectivity. Controls are: r.f. gain, audio gain, tone, switch, B.F.O. switch with "pitch" control, band switch, main tuning and separate band spread control, "off-on" switch and "send-receive" switch. Electrical band spread, A.N.L., two i.f. stages, drift compensated high frequency oscillator, r.f. amplifier, etc. Although 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 $\frac{1}{2}$ x9 $\frac{3}{8}$ x8 $\frac{1}{2}$ ". Shpg. wt. 34 lbs.

C21093—Model S-20R SKY CHAMPION complete with tubes and built-in speaker. **\$60.00**  
YOUR COST.....

### HALLICRAFTERS SX-28A Super Skyrider

Improved Model SX-28A with many new refinements. 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 all conditions. Variable A.N.L. control.

**Circuit features** include: 2 r.f. stages, push-pull high fidelity audio, 6-step wide range selectivity, band pass audio filter, wide angle "S" meter, phono jack, adequate headphone output, improved signal to noise ratio, 80/40/20 10 meter amateur bands calibrated, temperature compensated h.f. oscillator. The chassis is of No. 14 gauge steel cadmium plated. The 8 $\frac{3}{4}$ x19" rack type panel is of  $\frac{1}{8}$ " thick steel with etched control markings and finished in Morocco. Cabinet dim.: 20 $\frac{1}{2}$ x14 $\frac{1}{2}$ x9 $\frac{1}{2}$ " deep. Cabinet finished in machine tool gray wrinkle.

C21083—Model SX-28A with crystal and tubes but less speaker. For 110 volts 50/60 cycles a.c. operation. Shpg. wt. 90 lbs. **\$223.00**

YOUR COST.....  
10" PM Speaker in Table Model Cabinet. Shpg. wt. 17 lbs.  
C21193—YOUR COST..... \$15.00

### HALLICRAFTERS FM-AM-CW VHF Receiver Model S-36

Hallicrafters new 15 tube high frequency communications receiver for FM-AM-CW reception, incorporating many new improvements such as acorn tubes in the R.F., 1st detector and high frequency oscillator circuits. Provides continuous coverage from 27.8 to 143 mc. Either a limiter and discriminator for FM, or a 3rd I.F. amplifier, diode detector and noise limiter for AM can be switched into the circuit from the front panel. Has "S" meter and mechanical band spread. Incorporates a new 3 watt audio system with a response curve which is essentially flat from 40 to 15,000 cycles. Push-pull high fidelity output stage. 500 or 5,000 ohm output plus 600 ohm balanced line. Controls: FM-AM switch. R.F. gain, A.V.C. on/off. Band switch, send-receive, Selectivity, Tone, A.N.L. on/off, Tuning, with Pitch control BFO on/off, A.F. gain. Tubes: 1—956 RF, 1—954 Con. Mix, 1—6AC7 1st IF, 1—6AB7 2nd IF, 1—6SK7 3rd IF, 1—6H6 A.M. det. and noise limiter, 1—6AC7 F.M. limiter, 1—6H6 f.m. Disc., 1—6SL7GT audio, 1—VR 150 Voltage Reg., 2—6V6GT output, 1—5V4G Rect., 1—6J5 B.F.O., 1—955 H.F. osc. Size—19 $\frac{1}{4}$ x9 $\frac{1}{2}$ x15 $\frac{3}{4}$ ". Steel cabinet and panel finished in black wrinkle. Rack type panel. Shipping wt. 95 lbs.

C21075—YOUR COST..... **\$307.50**





# Amplifiers and Intercoms



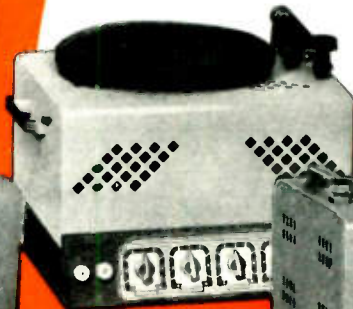
INTERCOMS 1 TO 100 STATIONS



17 WATT \$30.15



25 WATT \$42.43



25 WATT  
\$51.84



75 WATT \$91.82

## FOR EVERY PURPOSE

Pictured here are a few models from Concord's comprehensive line of Public Address Amplifiers and Inter-Communication units. Concord amplifiers are available in sizes to cover up to 200,000 cubic feet inside or 75,000 square feet outside areas. This means up to 10,000 persons in audience coverage. A complete line of speakers, microphones and associated equipment is also available.

Concord Intercom units are manufactured in a variety of master and sub-stations units that permit up to 100 stations providing the utmost efficiency and flexibility.

Lack of space in this catalog prevents us from showing our complete range of equipment so we have prepared a special booklet giving complete details and illustrating each and every model. We cordially invite everyone interested in this type of equipment to write us for a free copy. Remember too, that Concord maintains a complete engineering service to help you with your P.A. and Intercom problems without cost or obligation.

**CONCORD RADIO CORP.**  
CHICAGO  
ATLANTA