

901 W. JACKSON BLVD. CHICAGO 7, ILL.

CONCORDS

Dutstanding 1947

RADIO VALUES

265 PEACHTREE ST. ATLANTA 3, GA.

SUPPLEMENT NO. R1-47



## 5-TUBE AC-DC TABLE MODEL RADIO

When you take the finest quality receiving set components and assemble them skillfully and then surround them with a modern design cabinet of taste and beauty, the finished product is the truly fine S-tube radio shown above at the left. Naturally the result is a receiving set which delights the eye and the ear at the same time... a set for which you would expect to pay considerably more than we ask. Here are years of radio pleasure, as the only set in the house, or as the handy "extra" set for playroom, kitchen, bedroom or office.

First, a real inspiration in modern cabinet design in gleaming black or ivory finish plastic. Then real power and beauty of tone provided by the following host of quality features:

SUPERHETERODYNE CIRCUIT — An improved superhet circuit, condenser-tuned assures maximum sensitivity and selectivity—features you need for clear, interferencefree reception in any location.

BUILT-IN LOOP ANTENNA—Eliminates the necessity for either indoor or outdoor antennas in all but the most remote areas. Nothing to do when you unpack the radio but plug-in and play. Provision is made for outside antenna however, if you need it.

LARGE PM SPEAKER—A five inch Alnico V magnet PM dynamic speaker provides excellent tone and plenty of volume—not the usual 4" speaker used in so many small sets. Well rounded tonal quality which assures long hours of listening without ear fatigue.

AIRPLANE DIAL—Large "easy to see" airplane dial with clear, legible numerals, geared to the tuning knob enables you to get your favorite program quickly—accurately— Illuminated, of course.

TUNING RANGE—Covers entire broadcast band from 535 kc to 1700 kc, getting police calls in some locations.

5 TUBES (including rectifier) uses 12SK6GT IF, 12SA7GT converter, 12SQ7GT Det. & 1st audio, 50L6GT output and 35Z5GT rectifier. Operates on 11S volts 60 cycle AC or DC.

Model 6C51B. Black Plastic. 10%" wide, 51/2"	
high. Shpg. wt. 10 lbs. Your Cost	· \$17.95
Model 6C51W. Ivory Finish Plastic:	
Your Cost	· \$18.95

## 5-TUBE AC-DC TABLE MODEL RADIO

To the thousands of old and new Concord customers who have been waiting for radio sets we offer this fine new table model with the pledge that it is expertly engineered, beautifully designed, and an excellent value in today's market. Nowhere, we believe, can you obtain more radio value for the money than you get in this handsome 5-tube AC-DC model. Order it with the knowledge that it is backed by the 26 year reputation of Concord for marketing fully tested, sturdily constructed receiving sets on which you can depend for long, efficient, high quality performance.

SUPERHETERODYNE CIRCUIT—A highly perfected 5-tube (including rectifier) superheterodyne circuit, using multi-purpose tubes, assures the ultimate in sensitivity, selectivity and the power to bring in those distant stations. Automatic volume control reduces fading to a minimum. Condenser tuning permits sharp separation of stations. This is the radio for extra performance in the most "out-of-way" locations.

BUILT-IN LOOP ANTENNA—Eliminates the unsightly troublesome outside antenna and enables you to just plug-in and play almost anywhere. Provision is made for outside antenna, however, if required for best reception in very remote spots. High gain characteristics of loop assure astounding sensitivity.

SEMI-CONCEALED HANDLE—A convenient means of carrying this set is provided by the "semi-concealed handle"—an innovation in design which when not in use drops into the cabinet as shown in the illustration above. Makes this little Concord set the ideal receiver for traveling or toting from room to room around the house.

ALNICO V PM SPEAKER—Above all, any radio must be pleasing to listen to hour after hour, and this means fine tonal quality. The Concord 5-tube has been engineered with this idea in mind, for we have incorporated not only a good audio system, but a 5" PM speaker with the new Alnico V magnet that is many times more sensitive to every impulse than the pre-war type.

SLIDE RULE DIAL—Large, easy to read, easy to tune, slide rule dial makes selecting your programs quick and accurate. Edge lighted, with bold, clear markings.

TUBES USED—Multi-purpose tubes permit greater efficiency from the superhet circuit employed. They are 12SA7GT converter, 12SK7GT IF, 12SQ7GT Detector and 1st audio, 35L6GT output and 35Z5GT rectifier. Operates on 1l5 volts 60 cycle AC or DC.

ALL CONCORD Radios are R.C.A. and Hazeltine Licensed.

**Thrilling Post War** 

## **Special Portable Record Player with Automatic Changer**

Boasting many fine features of much costlier players, this model delivers the maximum in convenient listening pleasure. Plays and changes ten 12" records or twelve 10" records at one setting, with lid down. Remarkable new changer is simple, sturdy, trouble-free. It's noiseless and it's FAST... only 5 seconds between records! Light-weight tone arm with replaceable needle. Easy loading. Gentle on your records. New-design amplifier gives excellent bass response and plenty of volume for parties ... 2½ watts! Uses 12SL7GT, 35L6 and 35Z5 tubes. Handsome, light tan pebble grain finish leatherette-covered carrying case. Self-locking hinges hold lid open. Operates on 110 Volts, 60 cycle AC. Size 19" x 14" x 71/2". Shpg. wt. 20 lbs. Model C22652 (Illustrated above).

Your Cost .

## **Portable Electric Phonograph**

It's new postwar! It's top quality! Your 10" and 12" records will play with new beauty and tone quality on this fine portable record player. High fidelity 3 tube amplifier pro-vides ample volume with a crystal pickup and new im-proved Alnico magnet PM speaker assuring better tone quality. Separate tone control permits accentuating extreme high and low tones. Operates on 110 volt, 60 cycle A.C. Measures  $15^{"} \times 15^{"} \times 181/2"$ . Shpg. wt. 15 lbs.

Model No. 22653. Your Cost

\$32.95

\$49.50

## Plays Records Through Any Radio! Wireless Record Player with Automatic **Changer! No Connecting Wires!**

A miracle of postwar science! No connecting wires . . . yet you reproduce automatically through any radio within 100 feet! You can put a stack of 10 twelve-inch records or 12 ten-inch records on the turntable and hear them reproduced through any radio in the house—even your car radio if it is within range. Volume and quality of reproduction is controlled by your home radio you have tuned to the wireless player. Thus you may take full advantage of the audio system and speaker of the largest or smallest radio in your home and play any records on this wireless player for reproduction through your radio set and speaker. Uses quiet, trouble-proof automatic record changer with lightweight crystal pickup. Quickly adjusted for 10" or 12" records with off-on reject switch conveniently located. Size 121/2" x 11" x 81/2". Shpg. wt. 18 lbs. (C) Model C22651. Your Cost \$31.95 . . . . . .

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Record Players

ATLANTA 3, GA. CONCORD RADIO CORP.-CHICAGO 7, ILL. \*

1

C

Concord Triumph

WITH 10 QUALITY FEATURES TUBE AC-DC TWO BAND RADIO

The sharp eye of the man who knows his radio will spot this quickly as a superb buy. He'll recognize instantly the host of built-in quality features rarely seen in receiving sets at this price. This 6-tuber is guaranteed to perform to perfection . . . to deliver reception that meets the demands of the radio expert . . . to bring in near and distant stations of every kind with a power, clarity, selectivity and fidelity to delight your heart. The secret is the many extra quality components and the extra quality of construction, plus care-ful testing and inspection before the set is shipped to you.

SUPERHETERODYNE CIRCUIT-latest advanced type, licensed under RCA and Hazeltine Patents, precision built for hairline sensitivity and selectivity in any location, under all conditions.



TUNING RANGE-Standard broadcast band, 540 KC to 1730 KC, includes police calls. Foreign band, 5.4 MC to 18.3 MC, includes most popular short wave stations.

OTHER FEATURES-Variable Tone Control adjusts tone to any pitch, high treble or low bass. Large 5" P.M. dynamic speaker with postwar Alnico V permanent magnet. Illumi-nated, rectangular, slide rule dial with calibrated wave bands. Automatic volume control circuit. Four control knobs for flexible, quick operation. Built-in loop antenna. Operates on 105-125 volts; 50-60 cycles, AC or DC.

6 TUBES — (including rectifier). 12SK7GT, 12SA7GT, 12SQ7GT, 12SK7GT, 35L6GT, 35Z5GT.

Model 6F26W, American Walnut Veneer. 14<sup>1</sup>/<sub>2</sub>" wide, 9%" high, 7%" deep. Shpg. wt. 16 lbs. Your Cost \$33.50

## The SYMPHONETTE

## **Record Player for Music Connoisseurs**

The first note of your favorite record played on this instrument will tell you that you're the proud and fortunate owner of a record player (with automatic changer) that will give you years of delightful listening. Plays 14 ten-inch records or 10 twelve-inch records with lid closed; better tone . . . minimum feedback. Efficient, newdesign, automatic changer handles your records gently, yet quickly. Featherweight crystal pickup assures finest tone quality with mini-mum record wear. Alnico V P.M. dynamic speaker and 3 tube amplifier provide ample volume. This fine instrument is housed in an equally fine cabinet of rich striped mahogany veneer, finished to harmonize with any room. Put it on your record cabinet or any end table. Size 17" wide, 9¼" high, 16½" deep. For 110 volt, 60 cycle operation. Shipping wt. 35 lbs.

Model 7R3APW. 

## Low-Priced-Fine Quality **PORTABLE ELECTRIC PHONOGRAPH**

This portable electric phonograph will surprise you with its excellent performance because it's a well-constructed instrument throughout, made to top standards to sell in volume. Take it anywhere for days and days of pleasure. Plays any standard 10" and 12" records with tone quality and volume comparable to much higher priced portables. Smooth, silent, self-starting electric motor with 9" turn-table. Lightweight crystal pickup arm with arm rest. Built-in power amplifier, including rectifier tube (3525GT). Large 5" P.M. dynamic speaker with Alnico No. 5 permanent magnet. Operates on 110 to 125 volts, 60 cycles, AC only. Attractive, durable imitation leather covered cabinet. Size 5½" high, 12½" wide, 11½" deep. Shipping wt. 9 lbs.

Model 6F2RP. Your Cost . . . . .

ALL CONCORD Radios are R.C.A. and Hazeltine Licenced.

Concords POST WAR Chassis At a bly Remarkably Jow Price

# MOUNTS IN YOUR FAVORITE CABINET—AT HOME, OFFICE OR SHOP

You are invited to become the proud pessessor of one of the best values in radio sets ever created by Concord in its 26 years of quality radio manufacturing! This entirely new postwar designed radio chassis is the outcome of months of careful designing and engineering. Our goal was to bring you an instrument that was a pleasure to listen to, at a price that would instantly answer your dream for a fine modern radio. This radio is just THAT! Here is a set you must play to know how much enjoyment is in store for you, your family, and your friends from the moment you proudly place it in your own favorite cabinet at home, office or shop.

only \$

Ever since V-J Day we have had hundreds of requests for a new postwar radio chassis to replace war worn, old fashioned and obsolete radio chassis in cabinets that the owners feel are too good, but too fine as furniture, to part with. For this purpose we have reserved a limited supply of the Concord Postwar Chassis that we are proud to offer as the ideal replacement for use in your own cabinet, be it a console or table model, or for installation in a fireplace or some favorite piece of furniture.

A phonograph input jack is provided so that a record player or record changer may easily be connected for those music lovers who prefer recorded entertainment.

The price of the record player or changer has not been included in the above price so that you may make your own selection of a record changer from the wide variety listed on page 7 of this catalog.

From this new Concord Postwar radio itself, you will discover a new world of radio pleasure with the powerful AC two-band radio, covering broadcast and the 19, 25, and 31 meter shortwave bands. Shortwave and foreign broadcasts come in so clearly that you'll make a habit of enjoying them regularly. Great volume and super-quality tone are afforded by the powerful AC chassis with 4 watts output and the boosted bass response. Continuously variable tone control for both radio and records enables you to play both to suit your private taste. The phonograph input jack can also be used to feed output of an FM converter to audio of radio. All in all to the last little detail—this Concord Postwar Chassis brings you quality and performance far beyond its price—our proudest value and your exceptional opportunity to own and enjoy a truly fine postwar radio.

AC Superheterodyne Circuit. 6 tupes, including rectifier. 6SA7 mixer, 6SK7 1st IF, 6SF7 2nd IF and 2nd Det., 6S57 1st AF, 6X5GT rectifier, 6V6GT output.

- ★ Four watts output.
- ★ Bass Boost circuit.
- ★ Built-in loop antenna.
- Phonograph input jack for attaching record player, record changer or used to feed output of FM or Television converter to audio of radio.
- ★ Continuously variable tone control for radio and records.
- ★ Large easily read slide rule dial with clearly marked numerals.
- ★ Tuning range: Broadcast—540 to 1600 Kilocycles. Short Wave—9 to 155 Megacycles.
- ★ PM dynamic speaker with large Alnico V magnet.



Get the music you want—when you want iff Hours of dance music or other recorded entertainment is yours merely by the addition of a record player and automatic changer. Play 10° or 12° records using the audio and speaker system of the Concord radio listed on this page. Make your selection from the record changers on page 71

CONCORD RADIO CORP.-CHICAGO 7, ILL. \* ATLANTA 3, GA.

Type

125A7GT/G 125C7† 125F5† 125F7†

125H7 125J7 125J7GT 125J7GT 125K7† 125K7GT G

125 G7+

NE	T PRI	CES
RCA	Lots	CON-

of 50

\$0.90

.90 .76 .90

.90 .76 .76 .69 .76

CORD

\$0.76

66 66

GE Each

\$0.97 .97 .81 .97

.97

.97 .81 .81 .73 .81

0.1	1.1.1	44	1	-
	NET	PRIC	ES	
Туре	RCA		CON-	1
Type	Each	50	Each	
0Z4† 0Z4G	\$1.21 1.21	\$1.12 1.12 .90 1.12	\$0.97 .97	r
1A3	1.21 .97 1.21	.90	.97 .76 .97	0
1A4P 1A5GT/G	.81	.76	.66	
1A6 1A7GT	.97 .97	.90	.76	d
1B4P	.97	.90 .90 .90	.76	0
185/25S 1C5GT/G	.97 .97	.90	.76	
106	.97 .97	.90 .90	.76	
1C7G 1D5GP	.97	.90	.76 .76 .97 1.21	
1D7G 1D8GT	1.21 1.47	1.12 1.37	1.21	
1E5GP 1F4	1.21 .97	1.12	.97 .76	6A
1F5G	.97	.90	.10	6A
1F6 1F7G	1.21 1.21	1.12 1.12		6A 6A
1G4GT/G 1G5G	.97 .97	.90 .90		6A 6A
1G6GT/G	1.21 .73 .81	1.12	.76 .97 .59	6A 6A
1H4G 1H5GT/G		.76	.66	6 <b>B</b>
1H6G 1J6G	.97 _97	.90 .90	.76	6B
1L4	1.21 1.77 1.77	1.12	1.45	6B
1LA4 1LA6	1.77	1.65	1.45	6B
1LB4 1LH4	1.77 1.77 1.77 1.77 .97 1.21	1.65	1.45	68
1LN5	1.77	1.65 1.65 .90	1.45	6C
1N5GT/G 1P5GT	1.21	1.12	.91	6C 6C 6C
1Q5GT/G 1R5	1.21 1.21 1.21 1.21 1.21 1.21	1.12 1.12 1.12 1.12 1.12 1.12 1.12	.97 .97	6C
154 155	1.21	1.12	.97 .97	60 60
155 1T4	1.21	1.12	.97	6E
1T5GT 1V	1.21 .73 1.47 .73 .73	112	.97	6F
2A3 2A5	1.47	.69 1.37 .69	.59 1.21 .59	6F
2A6	.73	.69	.59	6F
2A7 2B7	.81	.76	.66 .76	6G 6H
2E5 3Q4	.97 .97 1.21 1.21		.97	6H
3Q5GT/G	1.21	1.12	.97	6J!
354 5T4†	1.21	1.12	.97	6J (
5U4G	1.47 .73 1.21		.59 .97	6J 6J
5V4G 5W4†	16,	.76		6M
5W4GT/G 5X4G	.66 .81	.62 .76	.52	6K
5X4G 5Y3GT G 5Y4G	.50 .55	.47 .51 .76	.66 .39 .42	6K
523	.81		.66	6K
5Z4† 6A3	.97 1.47	.90 1.37	1.21	6L
6A4/LA 6A6	1.47 1.21 1.21 .73	1.37 1.12 1.12	.97	6L 6L
6A7	.73	.69	.59	6L
6A8† 6A8G	.97 .73 .73 1.21	.90 .69	.59	6N 6N
FARGT	.73 1.21	69	.59	60
6AB5/6N5 6AB7/1853†	1.47	1.37		86
6AC5GT/G 6AC7,1852	.81 1.47 1.21	.76 1.37 1.12 .90	.66 1.21	61
6AD7G 6AE5GT/G 6AF6G	1.21	1.12	.97	65 65
6AF6G	.97 1.21	1.12	.97	65

As this catalog goes to press most types of Tubes are available in quantity. However, there are still a few types available in quantity. However, there are still a few types on which production is not adequate to fill all require-ments. Nevertheless we suggest you order your full re-quirement of tubes. Then, if you do not always receive all the types or as many tubes as you order, please re-order at a fater date. We sincerely hope that the now in-creasing production will permit us to supply all of your demands from our ever increasing tube stocks. In the meantime your understanding and cooperation is indeed appreciated.

100	_	.90	.10	deed app	reciated	1				125M/GI G	.81	,70	.00
	.97	.90	.76	dece app	n centree (					12SL7GT	1,21	1.12	1.01
	.97	.90	.76		_					12SN7GT	.97	.90	.76
>	.97	.90	.76		NET	PRICES		NET PF	TICES	125Q7†	.73	.69	
	1.21	1.12	.97		RCA	Lots CON-		RCA Lot	s CON-	12507GT/G	.81	.76	.66
-	1.47	1.37	1.21	Tune	GE	of CORD	Туре	GE of		125R7†	.97	.90	.00
_				Type	Each	50 Each	. ypc	Each 50	Each				50
•	1.21	1.12	.97		Each					1223	.73	.69	.59
	.97	.90	.76	6AG5	\$1.77	\$1.65	6SF5†	\$0.73 \$0.		15	1.47	1.37	.76
	.97	.90	.76	6AG7†	1.77	1.65	6SF5GT	.73 .	69 \$0.59	19	.97	.90	.76
	1.21	1.12		6AK6	1.47	1.37	65F7†		90	24A	.66	.62	.52
	1.21	1.12		6ALS	1.21	1.12	6SG7†	.97	90	25A6†	1.47	1.37	
	07	.90	.76	6AQ5	.97	.90 \$0.76	6SH7	.97	90	25L6†	1.21	1.12	
ſ/G	.97 .97	.90	.76	6AQ6	1.21	1.12	6SH7GT			25LEGT G		.76	.66
- 10		1.12	.97	6AT6	.81	.76 .66		.81		2525	.81 .73	.69	.59
r/G	1.21		.59	GAUG	.97	.90 .76	6SJ7+		76	25261	.97	.90	.00
	.73	.69	.66	684G	1.47	1.37 1.21	6SJ7GT		69	25ZGGT G	.73	.69	.59
r/G	.81	.76		6B5	1.47	1.37 1.21	65K7†		76 .66				_
	.97	,90,	.76							26	.55	.51	.42
	.97	.90	.76	6P6G	.81	.76	6SL7GT	1.21 1.		27	.50	.47	.39
	1.21	1.12		6B7	.97	.90 .76	6SN7GT		.76	30	.73	.69	.59
	1.77	1.65	1.45	6B8†	1.47	1.37	6SQ7		69	31	.73 .73	.69	.59
	1.77	1.65	1.45	6B8G	.97		65Q7GT G		76 .66	32	.97	.90	.76
		1.65		6BA6	.97	.90 .76	65R7†	.81 .	76	33	.97	.90	.76
	1.77	1.65	1.45	6BE6	.97	.90 .76	6 <b>SS</b> 7†	.73 .	69 .59	34	.97	.50	76
	1.77	1.65	1.45	6C4	.97	.90	65T7	1.21 1.		35	.73	.69	.76
		1.05	.76	6C5†	.81	• .76	6T7G		.76	35A5	.97	.09	.76
ſ/G		1.12	.97	6C5GT G	.73	.69 .59	6U5 6G5	.97	.76	35LGGT G	.73	.69	.59
	1.21			6C6	.73	.69 .59	6U7G		69 .59				
r/G	1.21	1.12	.97	6C8G	1.21	1.12 .97				35W4	.62	.58	.49
	1.21	1.12	.97	606	.73	.69 .59	6V6†	1.47 1.		35Z3	.97	.90	.76
	1.21	1.12	.97	608G	1.21	1.12 .97	6V6GT G	.81	76 .66	35Z4GT	.58	.54	.46
	1.21	1.12	.97	6ES	.81	.76 .66	6W7G	1.21 1.	12 .97	35Z5GT G	.62	.58	.49
	1.21	1.12	.97	6F5†	.81	.76	6X5†	1.21 1.	69 .59	36	.73	.69	.59
-	1.21	1,12	.97				6X5GT G			37	.62	.58	.49
	.73	.69	.59	6F5GT G	.73	.69 .59	6Y6G	1.21 1.	12 .97	38	.81	.76	.66
	1.47	1.37	1 21	6F6†	.81	.76	6Z4 84	.81 .	76 .66	39/44	.73	.69	.59
	.73	.69	1.21	6F6G	.66	.62 .52	6Z7G	1.47 1.		41	.62	.58	.49
	.73	.69	.59	6F7	1.21	1.12 .97	6ZY5G	.97	90 .76	42	.62	.58	.49
				6F8G	.97	.90 .76	7A4	.97 .	90 .76				
	.81	.76	.66	6G6G	.97	.90 .76	7A5	.97	90 .76	43	.81	.76	.66
	.97	.90	.76	6H6†	.81	.76				45	.58	.54	.46
	.97	.90		6H6GT G	.81	.76 .66	7A7 7B4	.97	90 .76 90 .76	45Z3	.81	.10	.66
	1.21 1.21	1.12	.97	6J5†	.66	.62	785		90 .76	4525GT	.81	.76	
r/G	1.21	1.12	.97	6J5GT G	.66	.62 .52	786		90 .76 90 .76	46	.81	.76	.66
	1.21	1.12	.97	6J6	1.47	1.37				47	.81	.76	.66
	1.47	1.37		6J7†		.90	7B7		90 .76 90 .76	49	.97	90	10.5
	.73	.69	.59	6J7G	.81	.76 .66	7B8	.97 .	90.76	50	1.77	1.65	1.45
	1.21	1.12	.97	6J7GT	.81	.76 .66	7C5		90.76	50B5	.97	1.65	.76
	.81	.76		6K6GT G	.73	.69 .59	7C6		90.76	50L6GT	.81	.76	.66
				6K7†	.81		7C7	.97 .	90 .76				.97
T/G	.66	.62	.52	6K7G	.81	.76	7E6	.97	90 .76	53	1.21	1.12	.97
	.81	.76	.66	6K7GT	.73	.69 .59	7E7		90 .76 12 .97	55	.81	.76	
r/G	.50	.47	.39	6K8†	.97	00	7F7	1.21 1.	12 .97	56	.58	.04	.46
	.55	.51	.42	6K8G	.97	.90	767/1232	1.47 1.3	37 1.21	57	.66	.62	.52
	.81	.76	.66				7H7		37 1.21	58	.66	-	.D.S
	.97	.90		6K8GT	.97	.90 .76	7.17			59	1.21	1.12	
		1.37	1.21	6L5G	.81	.76 .66	707		1.41	70L7GT	1.47	1.37	1.21
	1.47			6L6†				07	00 76				.52
A	1.47	1.12			1.47	1.07 1.01	774		37 1.21 90 .76	71A	.66	.62	
•	1.47 1.21 1.21	1.12		6L6G	1.17	1.37 1.37 1.21	7¥4	.97 .	90 .76			.58	.42
•	1.47 1.21 1.21 .73	1.12		6L6G 6L7†	1.47 1.21	1.12	7¥4 10	.97 .	90 .76 01	75	.66	.62 .58 .62	.41
•	1.21 1.21 .73	1.12 1.12 .69		6L6G	1.47 1.21 1.21	1.12	7¥4 10 12A6GT	.97 2.16 2.	90 .76 01 1.50	75 76	.66 .62 .66	.58 .62	
•	1.21 1.21 .73 .97	1.12 1.12 .69 .90	.97	6L6G 6L7† 6L7G 6N7	1.47 1.21 1.21 1.21	1.12	7¥4 10 12A6GT 12A7	.97 2.16 2.	90 .76 01 1.50 37 1.21	75 76 71	.66 .62 .66	.58 .62 .62	52
•	1.21 1.21 .73 .97 .73	1.12 1.12 .69 .90 .69	.97 .59	6L6G 6L7† 6L7G 6N7 6N7GT/G	1.47 1.21 1.21 1.21 1.21 1.21	1.12 1.12 .97 1.21 1.21 .97	7¥4 10 12A6GT 12A7 12A8GT G	.97 2.16 2. 1.47 1. .73	90 .76 01 1.50 37 1.21 69 .59	75 76 77 78	.66 .62 .66 .66	.58 .62 .62 .62	
	1.21 1.21 .73 .97 .73 .73	1.12 1.12 .69 .90 .69 .69	.97	6L6G 6L7† 6L7G 6N7 6N7GT/G 6Q7†	1.47 1.21 1.21 1.21 1.21 1.21 1.21 .97	1.12 1.12 .97 1.21 1.21 .97 .90	7¥4 10 12A6GT 12A7 12A8GT G 12AH7GT	.97 2.16 2.  1.47 1. .73 1.21 1.	90 .76 01 37 1.21 69 .59 12	75 76 77 78 79	.66 .62 .66 .66 .66 1.21	.58 .62 .62 .62 1.12	.52 .52
A GNS	1.21 1.21 .73 .73 .73 1.21	1.12 1.12 .69 .90 .69 .69	.97 .59	6L6G 6L7† 6L7G 6N7 6N7GT/G	1.47 1.21 1.21 1.21 1.21 1.21	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	7¥4 10 12A6GT 12A7 12A8GT G 12AH7GT 12AT6	97 2.16 2. 1.47 73 1.21 1.21 81	90 .76 01 37 1.21 69 .59 12 76 .66	75 76 77 78 79 80	.66 .62 .66 .66 .66 1.21 .50	.58 .62 .62 .62 1.12 .47	.52 .52
A GN5 1853†	1.21 1.21 .73 .97 .73 .73	1.12 1.12 .69 .90 .69	.97 .59	6L6G 6L7† 6L7G 6N7 6N7GT G 6Q7† 6Q7G	1.47 1.21 1.21 1.21 1.21 1.21 97 .66	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	7¥4 10 12A6GT 12A7 12A8GT G 12AH7GT	.97 2.16 2. 1.47 1.21 1.21 1.21 81 .97	90 .76 01 37 1.21 69 .59 12 76 .66 90 .76	75 76 77 78 79 80 81	.66 .62 .66 .66 1.21 .50 1.47	.58 .62 .62 .62 1.12 .47 1.37	.52 .52 .39 1.21
1853†	1.21 1.21 .73 .73 .73 .73 1.21 1.47	1,12 1,12 .69 .90 .69 .69 1 12 1.37	.97 .59	6L6G 6L7† 6L7G 6N7 6N7GT G 6Q7† 6Q7G 8Q7G	1.47 1.21 1.21 1.21 1.21 1.21 1.21 1.21 0.97 .66	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	7¥4 10 12A6GT 12A7 12A8GT G 12AH7GT 12AT6	.97 2.16 2. 1.47 1.21 1.21 1.21 81 .97	90 .76 01 37 1.21 69 .59 12 76 .66	75 76 77 78 79 80 81 82	.66 .62 .66 .66 .66 1.21 .50 1.47 .97	.58 .62 .62 .62 1.12 .47 1.37 .90	.52 .52 .39 1.21
1853† GT/G	1.21 1.21 .73 .73 .73 1.21	1.12 1.12 .69 .90 .69 .69 112 1.37 .76		6L6G 6L7† 6N7G 6N7GT G 6Q7† 6Q7G 3Q7GT 6R7†	1.47 1.21 1.21 1.21 1.21 1.21 .97 .66 .66 1.21	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	7¥4 10 12A6GT 12A7 12A8GT G 12AH7GT 12AT6 12BA6	.97 2.16 2.  1.47 1.21 1.  1.21 1.  97  	90 .76 01 37 1.21 69 .59 12 76 .66 90 .76 90 .76 37	75 76 77 78 79 80 81 82 83	.66 .62 .66 .66 1.21 .50 1.47 .97 .97	.58 .62 .62 1.12 .47 1.37 .90 .90	.52 .52
1853† GT/G 1852†	1.21 1.21 .73 .73 .73 1.21 1.47 .81 1.47	1.12 1.12 .69 .69 .69 112 1.37 .76 1.37	.97 .59 .59 .59 .59 .59	6L6G 6L7† 6L7G 6N7 6N7GT/G 6Q7† 6Q7G 6Q7GT 6Q7GT 6R76T/G	1.47 1.21 1.21 1.21 1.21 1.21 1.21 1.21 0.97 .66	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	7¥4 10 12A6GT 12A7 12A8GT G 12AH7GT 12AT6 12BA6 12BE6 12C8†	.97 2.16 2.  1.47 1.21 2.        	90 .76 01 37 1.21 69 .59 12 76 .66 90 .76 90 .76	75 76 77 78 80 81 82 83 83 V	.66 .62 .66 .66 1.21 .50 1.47 .97 .97 1.47	.58 .62 .62 1.12 .47 1.37 .90 .90 1.37	.52 .52 .39 1.21 .76 .76
1853† GT/G 1852† G	1.21 1.21 .73 .97 .73 .73 1.21 1.47 .81 1.47 1.21	1.12 1.12 .69 .69 .69 112 1.37 .76 1.37 1.12	.97 .59 .59 .59 .59	6L6G 6L7† 6L7G 6N71 6N7GT/G 6Q7G 6Q7G 8Q7GT 6Q7GT 6Q7GT 6Q7GT/G 6R75 6R7GT/G	1.47 1.21 1.21 1.21 1.21 1.21 1.21 1.21 1.2	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	7¥4 10 12A6GT 12A7 12A8GT G 12AH7GT 12AT6 12BA6 12BE6 12C8† 12F5GT	.97 2.16 2. 1.47 1. .73 1.21 1. .81 .97 .97 .97 	90 .76 01 37 1.21 69 .59 12 76 .66 90 .76 90 .76 37 69 .59	75 76 77 78 79 80 81 82 83 83 83 83 83 83 85	.66 .62 .66 .66 1.21 1.47 .50 1.47 .97 1.47 .97 1.47 .66	.58 .62 .62 1.12 .47 1.37 .90 1.37 .62	.52 .52 .39 1.21 .76 .76
1853† GT/G 1852† G	1.21 1.21 .73 .97 .73 .73 1.21 1.47 .81 1.47 1.21 .97	1.12 1.12 .69 .69 .69 112 1.37 .76 1.37 1.12 .90	.97 .59 .59 .59 .59 .59 .59 .59 .59 .59 .59	6L6G 6L7† 6L7G 6N71 6N7GT/G 6Q7G 6Q7G 8Q7GT 6R7† 6R7† 6R77 6S77 6S7G	$\begin{array}{c} 1.47\\ 1.21\\ 1.21\\ 1.21\\ 1.21\\ 9.7\\ .66\\ .66\\ 1.21\\ 1.21\\ 1.21\\ 1.21\\ \end{array}$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	7¥4 10 12A6GT 12A7 12A8GT G 12AH7GT 12AT6 12BE6 12C8† 12F5GT 12H6†	.97 2.16 2.      	90 .76 01 37 1.21 69 .59 12 76 .66 90 .76 90 .76 37 69 .59 90 .76 37	75 76 77 78 80 81 82 83 83 V	.66 .62 .66 .66 1.21 .50 1.47 .97 .97 1.47	.58 .62 .62 1.12 .47 1.37 .90 .90 1.37	.52 .52 .39 1.21 .76 .76
1853† GT/G 1852† G	1.21 1.21 .73 .97 .73 .73 1.21 1.47 .81 1.47 1.21	1.12 1.12 .69 .69 .69 112 1.37 .76 1.37 1.12	.97 .59 .59 .59 .59 .59	6L6G 6L7 6N7 6N7 6N7 6N7 6Q7 6Q7 6Q7 6Q7 6Q7 6Q7 6Q7 6Q7 6Q7 6Q	1.47 1.21 1.21 1.21 1.21 9.97 .66 1.21 .66 1.21 1.21 1.21 7.73	1.12           1.12         .97           1.21            1.21         .97           .90            .62         .52           .62         .52           .12            .62         .52           .12            .62         .52           .12            .62         .52           1.12 </th <th>7¥4 10 12A6GT 12A7 12A8GT G 12AH7GT 12AT6 12BA6 12BE6 12C8† 12F5GT 12H6† 12J5GT</th> <th>97 2.16 2. 1.47 1.47 1. 81 97 97 1.47 1. 73 81 73 73</th> <th>90 .76 01 37 1.21 69 .59 12 76 .66 90 .76 90 .76 37 69 .59 76 69 .59</th> <th>75 76 77 78 80 81 82 83 83 83 83 83 83 83 83 83 83 83 83 83</th> <th>.66 .62 .66 .66 1.21 .50 1.47 .97 .97 1.47 .66 .73</th> <th>.58 .62 .62 1.12 .47 1.37 .90 .90 1.37 .62 .69</th> <th>.52 .52 .39 1.21 .76 .76 .52 .59</th>	7¥4 10 12A6GT 12A7 12A8GT G 12AH7GT 12AT6 12BA6 12BE6 12C8† 12F5GT 12H6† 12J5GT	97 2.16 2. 1.47 1.47 1. 81 97 97 1.47 1. 73 81 73 73	90 .76 01 37 1.21 69 .59 12 76 .66 90 .76 90 .76 37 69 .59 76 69 .59	75 76 77 78 80 81 82 83 83 83 83 83 83 83 83 83 83 83 83 83	.66 .62 .66 .66 1.21 .50 1.47 .97 .97 1.47 .66 .73	.58 .62 .62 1.12 .47 1.37 .90 .90 1.37 .62 .69	.52 .52 .39 1.21 .76 .76 .52 .59
1853† GT/G 1852† GT/G	1.21 1.21 1.21 .73 .73 .73 1.21 1.47 .81 1.47 1.21 .97 1.21	1.12 1.12 .69 .69 .69 112 1.37 .76 1.37 1.12 .90 1.12		6L6G 6L74 6R76 6N71 6N76T/G 6Q74 6Q76 <b>5D76T</b> 6R74 6R74 6R74 6R75 6S77 6S77 6S77 6S77 6S77 6S77 6S77 6S	1.47 1.21 1.21 1.21 1.21 1.21 1.21 1.21 1.2	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	7Y4 10 12A6GT 12A7 12A8GT G 12AH7GT 12ATG 12BE6 12C8† 12F5GT 12H6† 12J5GT 12J7GT G	97 2.16 2.  1.47 1. .73 . 1.21 1. .81 . .97 . .97 . .47 1. .73 . .81 . .73 . .81 . .73 . .81 . .73 . .81 .	90 .76 01 1.50 37 1.21 69 .59 12 76 .66 90 .76 90 .76 90 .76 90 .76 90 .59 76 .66	75 76 77 78 80 80 81 82 83 83 83 83 83 9 117L7, M7GT	.66 .62 .66 .66 .66 .21 .50 1.47 .97 .97 .97 .97 .47 .66 .73	.58 .62 .62 1.12 1.37 1.37 .90 1.37 .62 .69 1.65	.52 .52 .39 1.21 .76 .76 .76 .52 .59 1.45
1853† GT/G 1852† GT/G to pro	1.21 1.21 1.21 .73 .73 .73 1.21 1.47 1.21 .81 1.47 1.21 .97 1.21 	1.12 1.12 .69 .90 .69 112 1.37 .76 1.37 1.12 .90 1.12 condit		6L6G 6L74 6R76 6N76T/G 6Q74 6Q76 8Q76 8Q76T 6R74 6R74 6R74 6S77 6S77 6S77 6S77 6S77 6S77 6S77/G 6S77/S	1.47 1.21 1.21 1.21 1.21 1.21 1.21 97 .66 .66 1.21 1.21 1.21 .73 .81 1.47	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	7Y4 10 12A6GT 12A7 12A7 12A8GT G 12AH7GT 12AT6 12BE6 12C8† 12F5GT 12F6† 12J5GT 12J7GT G 12K7GT G	97 2.16 2.  1.47 1. .73 . 1.21 1. .81 . .97 . .97 . .47 1. .73 . .81 . .73 . .81 . .73 . .81 . .73 . .81 .	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	75 76 77 78 80 81 82 83 83 83 83 83 83 83 83 83 83 117L7, M7GT	.66 .62 .66 .66 .66 .66 .21 .50 1.47 .97 1.47 .97 1.47 .73 1.77	.58 .62 .62 1.12 .47 1.37 .90 .90 1.37 .69 1.65 1.65	.52 .52 .39 1.21 .76 .76 .52 .59 1.45 1.45
1853† GT/G 1852† GT/G T/G to pro out of s	1.21 1.21 1.21 .73 .73 .73 1.21 1.47 .81 1.47 1.21 .97 1.21 esent stock on	1.12 1.12 .69 .90 .69 112 1.37 .76 1.37 1.12 .90 1.12 conditionetal		6L6G 6L7 6N7 6N7 6Q7 6Q7 6Q7 6Q7 6Q7 6Q7 6Q7 6Q7 6Q7 6Q	1.47 1.21 1.21 1.21 1.21 1.21 1.21 1.21 1.2	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	7Y4 10 12A6GT 12A7 12A8GT G 12AH7GT 12AH7GT 12BE6 12E86 12C8† 12F5GT 12H6† 12J7GT G 12J7GT G 12K7GT G 12K7GT G 12K8†	97 2.16 2.  1.47 1. .73 . 1.21 1. .81 . .97 . .97 . .47 1. .73 . .81 . .73 . .81 . .73 . .81 . .73 . .81 .	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	75 76 77 78 80 81 82 83 83 83 83 83 83 83 83 117L7, M7GT 117P7GT	.66 .62 .66 .66 1.21 .50 1.47 .97 1.47 .66 .73 1.77 1.77	.58 .62 .62 .62 .47 1.37 .90 .90 1.37 .69 1.65 1.65 1.65	.52 .52 .39 1.21 .76 .76 .52 .59 1.45 1.45
1853† GT/G 1852† G G T/G to pro out of s fill sub	1.21 1.21 7.73 .73 7.73 1.21 1.47 1.21 97 1.21 essent stock on bstitute	1.12 1.12 .69 .69 112 1.37 .76 1.37 1.12 .90 1.12 conditional metal		6L6G 6L74 6L76 6N767 6Q74 6Q76 <b>5D767</b> 6Q76 <b>5D767</b> 6R74 6R74 6R74 6R74 6R74 6S77 6S76 6S77 6SA75 6SA74 6SA74 6SA74 6SA74 6SA74 6SA74 6SC74 6SC74 6SC74	1.47 1.21 1.21 1.21 1.21 1.21 1.21 1.21 .66 .66 1.21 1.21	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	7Y4 10 12A6GT 12A7 12A8GT G 12AH7GT 12AT6 12BE6 12C8† 12F6GT 12F6GT 12J5GT 12J7GT,G 12K7GT/G 12Q7GT/G	97 2.16 2.  1.47 1. .73 . 1.21 1. .81 . .97 . .97 . .47 1. .73 . .81 . .73 . .81 . .73 . .81 . .73 . .81 .	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	75 76 79 80 81 82 83 83 85 85 85 117L7, M7GT 117P7GT 117P7GT	.66 .62 .66 .66 1.21 .50 1.47 .97 1.47 .66 .73 1.77 1.77 1.77 1.77 .97	$\begin{array}{c} .58\\ .62\\ .62\\ .62\\ .47\\ 1.37\\ .90\\ .90\\ 1.37\\ .62\\ .69\\ 1.65\\ 1.65\\ 1.65\\ .90\\ \end{array}$	.52 .52 .39 1.21 .76 .76 .52 .59 1.45 1.45
1853† GT/G 1852† G G T/G to pro out of s fill sub	1.21 1.21 1.21 .73 .73 .73 1.21 1.47 .81 1.47 1.21 .97 1.21 esent stock on	1.12 1.12 .69 .69 112 1.37 .76 1.37 1.12 .90 1.12 conditional metal		6L6G 6L7 6N7 6N7 6Q7 6Q7 6Q7 6Q7 6Q7 6Q7 6Q7 6Q7 6Q7 6Q	1.47 1.21 1.21 1.21 1.21 1.21 1.21 97 .66 .66 1.21 1.21 1.21 .73 .81 1.47	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	7Y4 10 12A6GT 12A7 12A8GT G 12AH7GT 12AT6 12BE6 12C8† 12F6GT 12F6GT 12J5GT 12J7GT,G 12K7GT/G 12Q7GT/G	97 2.16 2.  1.47 1. .73 . .121 1. .81 . .97 . .97 . .97 . .81 . .73 . .73 . .73 . .73 . .73 . .73 . .73 . .73 .	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	75 76 77 78 80 81 82 83 83 83 83 83 83 83 83 117L7, M7GT 117P7GT	.66 .62 .66 .66 1.21 .50 1.47 .97 1.47 .66 .73 1.77 1.77	.58 .62 .62 .62 .47 1.37 .90 .90 1.37 .69 1.65 1.65 1.65	.52 .52 .39 1.21 .76 .76 .76 .52 .59 1.45
1853† GT/G 1852† G G T/G to pro out of s fill sub	1.21 1.21 1.23 .73 .97 .73 1.21 1.47 81 1.47 1.21 1.47 1.21 .97 1.21 .97 1.21	1.12 1.12 .69 .69 .69 112 1.37 .76 1.37 1.12 .90 1.12 conditional sector of the sector		6L6G 6L74 6L76 6N7 6 6Q74 6Q76 <b>5D76T</b> 6Q76 <b>5D76T</b> 6S776 6S776 6S776 6S776 6S777 6S87-Y 6SC74 6SC74 6SC76T 6SC76T	1.47 1.21 1.21 1.21 1.21 97 .666 1.21 1.21 1.21 .666 1.21 1.21 1.21 .667 .667 .21 .21 .21 .21 .21 .21 .97 .667 .667 .21 .21 .21 .21 .21 .21 .21 .21	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	7Y4 10 12A6GT 12A7 12A8GT G 12AH7GT 12ATG 12BE6 12E86 12C8† 12F5GT 12H6† 12J5GT 12J7GT G 12K7GT G 12K7GT G 12K7GT /G 12SA7†	97 2.16 2.  1.47 1. .73 1.21 1. .81 .97  .97  .81  .81  .73  .73  .73  .73  .73  .73  .73 	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	75 76 77 78 80 80 81 82 83 83 83 83 83 117L7, M7GT 117PGT 117PGT 117Z3 117Z6GT/G	.66 .66 .66 .66 1.21 .50 1.47 .97 1.47 .66 .73 1.77 1.77 1.77 1.77 1.77 1.77	$\begin{array}{c} .58\\ .62\\ .62\\ .62\\ .47\\ 1.37\\ .90\\ .90\\ 1.37\\ .62\\ .69\\ 1.65\\ 1.65\\ 1.65\\ .90\\ \end{array}$	.52 .52 .39 1.21 .76 .76 .52 .59 1.45 1.45
1853† GT/G 1852† G G T/G to pro out of s fill sub	1.21 1.21 1.23 .73 .97 .73 1.21 1.47 81 1.47 1.21 1.47 1.21 .97 1.21 .97 1.21	1.12 1.12 .69 .69 .69 112 1.37 .76 1.37 1.12 .90 1.12 conditional sector of the sector		6L6G 6L74 6L76 6N7 6 6Q74 6Q76 <b>5D76T</b> 6Q76 <b>5D76T</b> 6S776 6S776 6S776 6S776 6S777 6S87-Y 6SC74 6SC74 6SC76T 6SC76T	1.47 1.21 1.21 1.21 1.21 97 .666 1.21 1.21 1.21 .666 1.21 1.21 1.21 .667 .667 .21 .21 .21 .21 .21 .21 .97 .667 .667 .21 .21 .21 .21 .21 .21 .21 .21	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	7Y4 10 12A6GT 12A7 12A8GT G 12AH7GT 12ATG 12BE6 12E86 12C8† 12F5GT 12H6† 12J5GT 12J7GT G 12K7GT G 12K7GT G 12K7GT /G 12SA7†	97 2.16 2.  1.47 1. .73 1.21 1. .81 .97  .97  .81  .73  .73  .73  .73  .73  .73  .73  .73 	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	75 76 79 80 81 82 83 83 85 85 85 117L7, M7GT 117P7GT 117P7GT	.66 .66 .66 .66 1.21 .50 1.47 .97 1.47 .66 .73 1.77 1.77 1.77 1.77 1.77 1.77	$\begin{array}{c} .58\\ .62\\ .62\\ .62\\ .47\\ 1.37\\ .90\\ .90\\ 1.37\\ .62\\ .69\\ 1.65\\ 1.65\\ 1.65\\ .90\\ \end{array}$	.52 .52 .39 1.21 .76 .76 .52 .59 1.45 1.45

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# **CONCORD HIGHEST QUALITY**



Concord's superiority in sound engineering is evident in the presentation of our Deluxe 15 watt amplifier. This amplifier has more *important* features than any medium power amplifier, and is destined to be the leader in the medium power sound equipment field.

## Flexibility of Input and Output

Of all the various features an amplifier might have, flexibility is one of the most essential. To the user of sound equipment this feature alone stands uppermost in his mind as he studies the various equipment available. To fully appreciate the importance of this fact one must actually visualize the number of uses to which your own amplifier might be applied. For instance if you're an crchestra leader you would not only use an amplifier for increasing the vocal range of singers or the range of musical instruments; but would also use an amplifier for some of the following purposes: Playing records to assist in arranging; recording certain numbers for future aid in arranging, and for remote rehearsing. In order to accomplish these requipements an amplifier must have extreme flexibility of input and output impedances and channels.



This is a very suitable size amplifier for use in chapels, mortuaries, medium sized cabarets, and school auditoriums. In chapels and mortuaries, recordings may be played of chimes and organs thereby getting the same effect of larger institutions of this kind where thousands of dollars are spent for pipe organ equipment. In medium sized cabarets this amplifier may be used for evenly distributing the range of performers and announcers, also for playing recorded entertainment between shows or performances. This 15 watt Deluxe amplifier in the school auditorium will be found invaluable in the presentation of school plays, dramatic coaching, and also for lectures.

Two dual purpose input channels are provided, each of which has two input jacks, one for microphone and another for phono player inputs. Thus the amplifier can operate with 2 mikes or 2 phono inputs simultaneously, or 1 phono and 1 microphone. Microphone and phono inputs may be mixed with the smoothness of broadcast studio equipment. The microphone input gain of 110 db. is more than enough to match any high quality microphone or other input device.

## ······ SPECIFICATIONS ·····

# for IMMEDIATE DELIVERY DELUXE AMPLIFIER in 15 WATT SIZE

# \* Only 2% Distortion at 15 watts

\* 2 Dual Purpose Inputs

## **15 Output Impedances**

Fifteen output impedances are provided in order that an exact impedance match may be effected with any output device or line; thereby affording greater efficiency and consequently requiring less power to cover a given area. An imprinted chart is permanently screened on the bottom cover plate listing impedances (see "SPECIFICATIONS"). Bass-Treble type tone control is provided, affording a tonal range from a deep mellow bass to a crisp high treble. This well tapered tone control will make possible the compensation of acoustical differences.

## **Minimum Percentage Distortion**

The power output of our 15 watt Deluxe amplifier is not only conservatively rated at 15 watts output, but also with the unbelievably low percentage of distortion—2% at normal rated output and at peak power. The 15 watt Deluxe amplifier also has such additional features as: pilot light, fuse and 70 db. low gain inputs.

## **Advanced Circuit Design**

High gain tubes and parts are mounted on shock absorbing mounts to prevent microphonic noises that frequently occur with amplifiers when rubber shock mounting is not used. Input stages are coupled to the output stage by the transformer method which provides better overload performance. The 15 watt output stage employs the patented beam focusing circuit which affords great efficiency of power conversion. The resulting high quality output of this amplifier is truly remarkable and is to be equalled only in higher power amplifiers at far greater cost.

For amateur transmitters the frequency response, especially good on extreme highs and middle register makes this amplifier ideal as a modulator pre-amplifier or grid modulator unit for an amplitude modulated transmitter.

## **Streamline Design Cabinet**

To accomplish the utmost in modern design, Concord retained one of the nation's leading industrial designers. The result of their painstaking efforts is exemplified by the attractiveness of the Concord 15 watt Deluxe amplifier. Cabinets are constructed of sheet steel and cast aluminum for lighter weight and better heat dissipation. Handles are cast into the cast aluminum sides, thereby eliminating the old style protruding handles which are ugly and add to the overall size. Cabinets are finished in two-toned burgundy enamel and wrinkle with polished aluminum borders for decorative effects. Knobs are of a contrasting ivory tone. Amplifier top is perforated to allow for maximum ventilation.

\* Phono Model Available

\* 110 db. Microphone gain

## Single Unit Portable System

This amplifier is also the nucleus for our highly efficient complete portable 15 watt sound system that will find great favor with traveling demonstrators, lecturers, small orchestras, and others who have need of a compact medium power system of high dependability. The 15 watt Deluxe amplifier fits snugly in our handsome carrying case affording a minimum of movement when in transit, and is easily removable for use when desired. This handsome single unit carrying case has metal reinforced comers and is covered with British tan Spanish grain fabricoid.

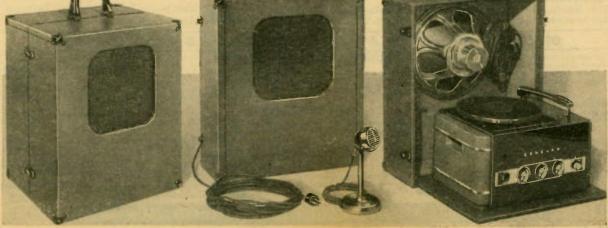
## **Phono Model Available**

A phono motor top is available as optional equipment and is provided with large ventilating holes beneath the turn table. The above listed features and technical description prove that the Concord 15 watt Deluxe amplifier is the solution to your medium power sound problem.

## AMPLIFIER ONLY

## **PORTABLE SYSTEMS**

System No. 90-315WL consists of: one Model 315WL amplifier as described above with tubes and including the following accessories: 2—12 inch permanent magnet dynamic speakers in attractive portable case which also houses the amplifier; 35 ft. speaker cable for each speaker; one microphone selection A appearing on page 13; one desk type microphone stand; microphone cable; all necessary plugs, connectors, etc., overall size of case with all equipment: 14¼\*x18¼\*x21½". Shpg. wt. 52 lbs. **\*83.89** Additional for phono player on above system \$10.46 Model C22056 case as used in above portable soundsystem only. Overall size: 14¼\*x18¼\*x21½". Shpg. wt. 24 lbs.





## **COMPLETE CONCORD DELUXE SOUND SYSTEMS**

The experienced and discriminating buyer of amplifying equipment will immediately recognize that Concord Deluxe Sound Systems represent equipment that has been built to the highest engineering standards. As a result, the purchaser is assured of deluxe performance at all times. Concord engineers have painstakingly selected accessory equipment to perfectly match the quality and performance of the amplifiers. Thus, a purchaser of a complete Concord Deluxe System avoids any possibility of selecting incorrect or non-matching units with a consequent waste of money and imperfect amplifier performance. You will also note that prices quoted below for an entire system are considerably less than when amplifiers are purchased individually. There are two rea-sons for this fact: 1. Concord is one of the largest manufacturers of high quality amplifiers dealing with the large users of this equipment and thus avoid-ing the expense of dealing through various other channels. A considerable saving is made in this manner which is

passed along to our customers. 2. By purchasing exceptionally large quantities of equipment we obtain the lowest possible cost, an additional saving that is passed along to and benefits you, our customer. The net result to purchasers of Concord. Complete Systems is top quality equipment at the best possible prices!

## **15 WATT DELUXE SYSTEM**

The basic 15 Watt Deluxe System consists of: 1 Concord Deluxe Model 315WL fifteen watt amplifier (fully described on the two preceding pages), two 12-inch high quality PM speakers No. C19222, 35 ft. speaker cable for each speaker, one satin chrome finished desk stand No. C13538, 1 Shure Model 707A crystal microphone with cable No. C13630 (item A on opposite page), and all necessary plugs, tubes and connectors; as well as a complete maintenance and operating instruction booklet. **QUANTITY BUYERS** Both of the amplifier models illus-

trated and described are available in large quantities for immediate delivery. Where quantities of 50 or more of the same amplifier are required, consult our Technical Advisory Service.

## IMPORTANT

Concord Engineers have designed a complete line of amplifiers with an output of 30 to 200 watts for those who require amplifying systems of greater output than the 15 watt amplifier described above. For further information on amplifiers of greater output or on accessory equipment for Concord amplifiers, installation, etc., write our Technical Advisory Service.

Catalog No. 93-315WL. Shpg. Wt. 451bs. Your Cost \$71.18

## **OPTIONAL ADDITIONS AVAILABLE ON ABOVE DELUXE SYSTEMS**

For special installations and to afford greater choice of accessory equipment for your system, we offer the following optional equipment illustrated on the opposite page.

## PHONO PLAYER

If Phono Player (as illustrated above), is desired, so state in your order and \$10.46

## BAFFLES

If Wall	baffle group	"GL" is desire	ed, so state
in your o	order and		00 00
Add			\$7.50
If Spun	metal baffle	group "GM"	is desired.
so state :	in your order	and	\$20.00
Add			20.00

TRUMPET AND DRIVER UNIT If Trumpet and Driver unit "GO" is desired in place of above mentioned 12" speakers, so state in your order and Add. \$53.22

## MICROPHONES

If microphone "B" on opposite page is	s desired
in place of microphone "A,"	\$4.24
Add	1.7.7.
If microphone "C," "D," or "E" on	opposite
page is desired in place of micro- phone "A," Add	\$0 77
phone "A," Add	11.0'
If microphone "F" or "G" on opposite	page is
desired in place of microphone "Å," \$ Add	10 00
Add	14.00

If microphone "H" on opposite page is desired in place of microphone "A," \$19.79 Add
If floor stand "K" is desired instead \$3.82 of desk stand, Add
If Additional 12' speakers are \$12.15
If additional speaker cable Is
Whenever the above changes are desired, please state these changes in your order.

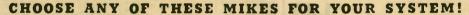
The above prices only applicable when used to enlarge a basic system.

12

CONCORD RADIO CORP.—CHICAGO 7, ILL. 901 W. Jackson Blvd. \* ATLANTA 3, GA. 265 Peachtree SL

# YOUR ENTIRE SYSTEM AT ONE TIME!

n



"Mike A"—SHURE 707A "Crystal." No. C13630.
"Mike B"—SHURE 708A "Crystal." No. C13634.
"Mike C"—ELECTRO-VOICE V1 "Velocity." No. C13722.
"Mike D"—ASTATIC GT3 "Crystal." No. C13525.
"Mike E"—ELECTRO-VOICE 630 "Dynamic." No. C13505.
"Mike E"—TURRER U9S "Dynamic." No. C13754.
"Mike G"—SHURE 730B "Cardiod." No. C13679.
"Mike H"—ELECTRO-VOICE 726 "Cardyne." No. C13718.

Microphone "D" is supplied complete with Astatic desk stand with push-to-talk switch in the handle, and therefore does not include the desk stand regularly included with this system.

Microphones "G" and "H" are unidirectional types of micro-

phones having very little pickup from sides and rear of microphone. This type cuts feedback and allows greater freedom in placement of speakers. All other types listed have polydirectional pickup patterns.

13

H

K

Note—Microphones E and H, on this page, can be supplied in low impedance where it is necessary to run extremely long microphone lines. If this is the case, state so in your order, and order No. C13673 cable transformer at \$7.70, and as many feet of low impedance cable, catalog No. C16079, at 6½ c per ft., as desired. These microphones are normally furnished in high impedance output, and in most cases can be used without any change in input conditions.

GL

GM

## CHOOSE ANY OF THESE BAFFLES

## WALL MOUNT BAFFLES

Flat baffle boards can be used for mounting speakers flush with walls, but in most cases wall mounting speaker baffles (see illus. GL), are used for installations such as ball rooms, restaurants, offices and churches. A speaker carrying case is another type of baffle for use in all portable work. The third is a wood reflex baffle of modern design which has been constructed to emphasize bass response, and provides excellent results for music where low tones are important as from organs in mortuaries and churches. The above mentioned baffles are very popular in better type installations and they spread the sound over wide areas rather than direct them over longer distances.

#### PROJECTORS

These tend to direct sound and carry it farther than wall baffles. They create a crisp penetrating tone and are recommended for directing sound under structures such as balconies and out over athletic fields or stands. The conventional type of metal projector (illus. GM) accommodates the regular cone type of speakers and protects them from the elements to a certain degree.

#### TRUMPETS

ese are also projectors often referred as reflex type (illus. GO), and are usually longer. They have been designed for use with the driver type unit (shown below, illus. GO) of speaker and direct sound the farthest possible distance. Extensive use for these units is found in chime installations, stadiums and other similar large sound installations.

Baffles are not included in the basic 15 watt Deluxe Sound Systems because baffles are always selected to meet the individual requirements of the location in which the sound equipment is installed. However, we are presenting herewith a list of baffles for various applications. If none of the following baffles suit your particular requirements refer to our complete list of baffles appearing elsewhere in this catalog.

#### **GROUP GL**

Consists of two fabricoid covered wall baffles to accommodate the two 12-inch PM dynamic speakers (illus. G) supplied with 15 Watt Deluxe Package Systems. Well designed and sturdily built to give excellent reproduction. Cat. No. C20056

#### GROUP GM

Consists of two spun metal baffles. These baffles are highly efficient units providing high quality reproduction and easy mounting facilities. Finished in gray wrinkle lacquer. Complete with 12° pipe thread mounting socket. These units fit all 12-inch P.M. dynamic speakers. Cat. No. C20077.

#### **GROUP GO**

Consists of two University reflex projectors and two University driver units in place of two 12-inch speakers shown in basic system. These projectors are highly efficient exponential air column type horns. The projectors in this group have a 30-inch acoustic length. Driver units employ alnico magnets which require no field excitation and provide very high efficiency. These units also feature—breakdown proof diaphragm suspension and heat dissipating voice coils. These units are recommended for use indoors and are especially suited for outdoor use as they are 100% waterproofed.

University projector—Cat. No. C20046.

University driver unit—Cat. No. C21301. 13





#### **Master Selective Systems**

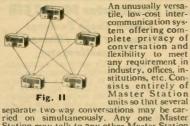
Master Selective Systems consist of one Master Station and up to ten Sub-Stations You can

and up to ten Sub-Stations You can build your system progressively be-ginning with the Master Station and one Sub-Station, and adding other Sub-Stations as the restation may call any Sub-Station indi-vidually, or may call all Sub-Stations indi-vidually, or may call all Sub-Stations indi-vidually, or may call all Sub-Stations simul-taneously. Sub-Stations may call Master but not each other. Master Selective Systems feature: Silent Operation—shuts out all sounds from Sub-Station locations when not sounds from Sub-Station locations when not in use.

#### How to Estimate Cable

Measure distance between Master Station and each Sub-Station, then order equivalent to the total footage of these distances.

#### **Super Selective System**



An unusually versa-tile, low-cost intercommunication sys tem offering complete privacy of conversation and

schalte (worky conversitions hav be dater ried on simultaneously. Any one Master Station may talk to any other Master Station at will. Masters may call one another regard-less of whether station being called has power "On" or not.

#### **How to Estimate Cable**

Simply measure distance between Master Units starting from any one Master to the second, to the third, etc., until you reach the last station in the system, then order equiva-lent to the total footage of these distances.

#### **Combination Master System**



The ultimate in flexibility. This sys-tem consists of Master Stations and Sub-Stations in any combination desired. You may start with Two Sta-tions (at least one must be a Master) and add Stations as may call any other

and and Stations as needed. Master Stations may call any other Master or Sub-Stations. Sub-Stations may answer Master but cannot talk to each other nor can they originate calls to Master Sta-tions. All Masters may have Sub-Stations in common or any Master Station may have divided Sub-Stations. common or any Maste individual Sub-Stations

#### How to Estimate Cable

Measure cable from Master to Master. Order total of these distances in Master type cable. Measure Sub-Station cable from Sub-Station to nearest Master only.

## TALK-A-PHONE SPECIAL DELUXE

These New Special DeLuxe Systems repre-sent another notable achievement in Inter-formunication because for the first time features previously found only in the Models are now available in these new low priced systems. Outstanding features in the sector of the systems of the sector railed at Sub-Station can answer at dis-frances of 40 ft. from the unit. Either operated at distances of up to 2500 feet free operation. Master Stations may be perfective Current. Master Stations the units are housed in attractive walnut wood cabinets show the sub-Stations have durable Metal Cabinets 54, x34, x7, Shog, vt. 3 bs. Special DeLuxe Systems. These New Special DeLuxe Systems repre-

## **Master Selective System**

See Figure 1 Model KR-4010—Special Deluxe Master. Handles one to ten stations. Complete with tubes and instructions. Shpg. wt. 9 lbs.

Your Cost	9.	95
Model RU-4335-Sub-Station.	Shp	g. wt.
11 lbs. \$	Q	25
C16000-Cable. Proper cable		
Per 10 ft. Your Cost		52

# **Combination** System

**Super Selective System** 

Super Selective System See Figure 2 With the Special DeLuxe Super Selective Master Stations, you may begin with two Masters and add Units up to a total of ten as desired. Thus as many as five com-

plete two-way conversations may be main

Model KS-6010 Special DeLuxe Super Selective Unit. Two to ten units may be used Complete with tubes and instruc-

tained simultaneously.

used. Complete with tubes

See Figure 3 The Special DeLuxe Combination Model utilizes either Master Stations or Sub-Stations in any Combination. Model KC-8050 Special DeLuxe Master Statis Woodles Constantions Com

Station. Handles one to five stations. Com-plete with tubes and in- \$32.35 structions. Your Cost... Model UC-8218-Sub-Station unit for connecting to KC-8050 Mas- \$7,25 ter Stations. Your Cost C16012—Cable. The proper cable for in-ter-connecting KC-8050 Master Stations. Per 10 ft, Your Cost. \$1.70 C16005—Cable. The proper cable for con-necting UC-821S to KC-8050 Master Sta-tions. Per 10 ft. Your Cost. 35c

## TALK-A-PHONE DELUXE SYSTEMS

The finest in Inter-Communication—both in performance and appearance. Latest innovations include—Powerful Amplifier which delivers 2½ watts, allows person at sub-Stations to answer 50 ft. from unit. Silent Feature cuts out at the Master Station all noise originate calls to the Master Stations. Derivacy Earphone (optional) automatically disconnects speak-er when earphones used, thus insures ab-solute listening privacy. Beautifully finished walnut cabinets, finished back and front, 12\*61/5\*253/5\*. Shpg. wt. 10 lbs. Sub-Stations in matching walnut wood cabinets 7/2\*334 \*x61/5\*. Shpg. wt. 4 lbs. For operation on 110-115 volt AC or DC. Master Selective Systems The finest in Inter-Communication-both

#### **Master Selective Systems** See Figure 1

Model KR-40—Deluxe Master Station, for use with up to ten Sub-Stations, complete with tubes and instructions and junction box attached by means of 6-ft. cable. Shpg. wt. 10 lbs. \$34.95 Your Cost. Model KR-40-C—Same as above but with Privacy Earphone. Your Cost......543.50 Model RU-43—DeLuxe wood Sub-Sta-tion, for use with either of above. Shpg. wt. 4 lbs. \$11 25 \$11.25 Your Cost.

\$11.25 

# **Super Selective System**

See Figure 2 When Privacy Earphone is used, system works like a telephone without the use

of the "Talk Listen" switch. Stations with earphones or without earphones may be used in the same system. Model KS-60 DeLuxe Super Selective Master Station. From two to ten may be used in a system. Complete with tubes and instructions and junction box. Shps. wt. 10 lbs. Your Cost. S34.95

Model KS-60-C-Same as above, but with Privacy Earphone. Your Cost...... \$43.50 . \$2.00

## **Combination** Systems

See Figure 3 All the Talk-A-Phone Systems, as well as this Special DeLuxe Combination Model, utilize the Talk-A-Phone "Insta-Action" Selector Switch. With a flick of the finger contact is instantaneous and positive. Model KC-80—DeLuxe Combination Mas-ter Unit for ten Station use. Complete with tubes and instructions and \$38.25 Model KC-80-C-Same as above but with Privacy Earphone attachment. Your Cost \$46.95 Model UC-82. Sub-Station Unit for above in wood cabinet. Your Cost \$11.25 C16009—Cable. The proper cable for in-ter-connecting to KC-80 and KC-80-C Masters. Per 10 ft. Your Cost. \$3.50 



**SUPREME Model 565** V. T. Voltmeter



A balanced highly degenerative bridge circuit allows higher input impedances with less detuning of RF circuits and greater stability than ever before. There is negli-gible frequency error from 50 cycles to 100 megacyles. All ranges selected by means of push be ons. Zero adjustment con-trol. Four inch full-vision type meter. Fuse protected. Ranges: DC volts 0-1/2.5/10/50/250.500; AC volts 0-1/2.5/10/50/250.500; AC volts 0-1/2.5/10/50/250.500; on 1 volt range; 40 megohms on 1 volt range; 20 megohms on 1 volt range; 30 Megohms on 250 volt range. Audio frequency voltages up to 20,000 cycles may be measured. The input capacity of the probe is 5 MMFDS. At-tractive metal case with a hinged tractive metal case with a hinged cover. Size: 9<sup>11</sup>/<sub>10</sub>\*x9<sup>1</sup>/<sub>10</sub>\*x4<sup>5</sup>/<sub>8</sub>\*. Shpg. wt. 11 lbs. 110-125 volts AC, 50/60 cycles. C21682 \$62.23

**ELECTRONIC DESIGNS** 

V-T Volt-Ohmmeter

The Model 100 has been expressly designed to withstand the critical demands for a compact sturdily built meter, and at the same time supply the demand for a sensitive, accurate vacuum tube Volt Ohmmeter. Extreme care in the match-ing and choice of component parts ing and choice of component parts has resulted in a high quality text instrument. DC Ranges: 0-3/10/30/100/300/1000 volts. All ranges have a constant input resistance of 11,000,000 ohms. Accuracy 3%  $\pm$ . AC Ranges: -10/30/100/300/1000 volts. 1,000 ohms per volt sensitivity with accuracy of  $5\% \pm$ . Electronic Ohmmeter Parnese: 0-1000/10000/100000 volt sensitivity with accuracy of  $5\% \pm$ . Electronic Ohmmeter Ranges: 0-1000/10000/100000 ohms; 1 mcg/10 mcgs/1000 mcgs. This extremely neat meter is complete with signal tracer probe, two test leads and batteries. 110-120 volts, 50-60 cycles. C21710-Your Cost ..... \$52.50

HICKOK Model 203 A.C.-D.C. Multitester



Compact universal test instru-ment for A.C.-D.C. volts, ohms, and D.C. milliamperes meas-urements, with extremely high in-put impedance, ideal for align-ment of discriminator circuits in EM sectores Electronics circuits. Ment of discriminator circuits in FM receivers. Electronics circuit arrangement makes it impossible to damage meter due to over voltage. Contains a voltage regu-lated power supply. Ranges: lated power supply. Ranges: 0-.5/2.5/10/50/250/1000 at con-0.5/2.5/10/50/250/1000 at con-stant input impedance of 2.5 megohms on A.C. volts. 0-2.5/ 10/50/250/1000D.C. volts at in-put impedance of 14 megs.; Re-sistance in 6 ranges from .1 ohm to 1000 megohms; 0-2.5/10/50/ 250/1000 D.C. milliamperes. Large 5" square meter. Complete with shielded test probes and tubes. 110 volts, 50/60 cycles A.C. Housed in attractive metal case 7½\*x8\*x10½". Shpg. wt. 14 lbs. C21453 — C21453-Your Cost.....\$78.20



SILVER "VOMAX"

VOMAX is a true vacuum tube voltmeter in every voltage, re-sistance, and Db function. Com-plete measurements and visual signal tracing can be done on all AF, AFC, AVC, IF, and RF cir-cuits, over a frequency range of 20 cycles through over 100 MC, by withdrawable RF diode probe and test leads. Ranges: 0-3,12/ 30/120/300/1200 VDC at 51 meg-ohms and 0-7.5/30/75/300/750/ 3000 VDC at 126 megohms, 0-3/ 12/30/120/300/1200 VAC at 66 megohms and 8mmtd, 0.2-2K/ 20K /200K ohms and 2/20/2000 megohms, 0-1.2/30/120/300/1200 MA and 12 ampe DC, and – 10 to +10/+30/+50 DB. Polarity re-verse switch on front panel dou-bles the number of DC ranges. One zero adjustment sets zero for all voltage and current ranges. VOMAX is a true vacuum tube all voltage and current ranges. Ohms ranges has separate zero adjustment. Accuracy:  $\pm 3\%$  on DC,  $\pm 5\%$  on AC-20 Cycles through 100 MC,  $\pm 2\%$  of full scale  $\pm 1\%$  of measured resist-ance (voltage accuracy is % of full scales on 4% meter face, meter full scale). Five non-confusing scales on 4% meter face, meter fully protected from overloads. 115 V 50/60 cycle operation. Size: 123% x73% x5 . Spng. wt. 13 lbs. C21540-Your Cost..... \$59.85

**VOh**mmeter

**NOTE:** Due to limited space, we are unable to list the complete stock of test equipment now available. For additional listings, see pages 42-45 of catalog 4-46, or write us your requirements.



## Direct Connection To Vertical Plates From Front Panel ★External Signal Or Sweep Cir-cuit Amplified By Horizontal Amplifier

Model 274

Employs 5BP1A Tube. Amplified Sweep Circuit over continuous range from 20 to 50,000 cycles. Input impedance: horizontal, 5 megohms

Vertical, 1 megohm. Deflection sensitivity: max. vertical 0.65 r.m.s. volt/in.; max. horizontal 0.65 r.m.s. volt/in. Frequent range: vertical and horizontal/amp. both uniform within—20% from 20 to 50,000 cycles. The input signal when connected to the front panel terminals may be applied to the vertical plates either directly or through the vertical and through a switch as front panel to the directly or through the vertical amp, through a switch on front panel. Internal modulation of the horizontal beam is provided for by a separate terminal on the front panel. Horizontal amp. may be switched to amplify either sweep circuit or external signal. 115 Volts, 50/60 cycles. 14\*x8%\*x 19%\*. Wt. 35 lbs. \$115.50

C21774-Each

### TRIPLETT Model 2400 Volt-Ohm-Milliammeter

0-500/1500 ohms; 0-1.5/7.5 megohms; con-denser wired in for output measurements. Twotone metal case with removable hinged cover. 10'x10'x5',4". Complete with batteries and test prods. Shpg. wt. 10 lbs. C21481 Your Cost......\$48.51





The new improved Anal-yst is the most modern complete servicing instru-ment on the market to-day. Locates faults by the signal tracing meth-od utilizing five sena-

C21793-Your Cost.

the signal tracing meth-rate channels, all of at the same time. It has a 4-range electronic volt-troubleshooter channel, 95-1700 kc rf-if test channel, and a line current indicator channel. Controls accurately cali-brated. Aligned and laboratory tested. Com-plete with 12 tubes and ready for service. 110 volt 60 cycle. Includes test cables, prods, and instruction book. Size 94'x134'x10'x'. Shg. wt.351bs. instruction be Shpg. wt. 35 lbs. \$113.85

C21706-Approx.....



VCapacitymeterWith the state of the

\$73.01





C-E UM 3 Unimeter Portable, accu-rate, sensitive; Ideal for "on-the-job" servicing, Ranges.0-2.5,10/ 50/250/1000 2500 volts AC and DC, 0-100/10000 /1 mgohm, 0-1/10/ 100 MADC, 0-1/ 10 amps DC, and 0-12/26/40/52 DB. Scales in al-ternate red and black. Sensitivity: 2000 ohms volt on DC ranges, 1300 ohms/volt on AC ranges, DB is 6 miliwatts into 500 ohms. Accuracy: 2% on DC, 5% on AC. Grey wrinkle finish steel case with remov-able hinged cover. Complete with test leads but less battery. Uses 6 volt battery. Size: 9°x10°x4'sf. Shog. vt. 9/4 lbs. Cast \$35.00 Your Cost

CONCORD RADIO CORP.-CHICAGO 7, ILL. 901 W. Jackson Blvd. \* ATLANTA 3, GA. 265 Peachtree SL









Detector

An

Dust-proof. An easily adjusted crys-

tal unit equipped with a super-sensi-

tive mineral and a

10 For

Your

Cost

**Cat Whiskers** Finest wire—correct tension—holds that sensitive spot.

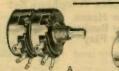
C13921

whisker C13916 26¢















c.



Ch. Ct

Nationally known standard makes of fully enclosed smooth action carbon type controls with standard  $\frac{1}{6}$ "-32 threaded mounting bushings, and solder lug terminals. Ideal for replacement and general purpose controls.

#### **DUAL POTENTIOMETERS**

	Oh	ths .					Lots				
Stock	Front	Rear		Body	Shaft		of 10				
No.	Section	Section	Fig.	Dia. Deep	Dia. Lg.	Each	Each				
5B2006	500*	500	A	11/18" X 7/18"	14"x 14"	29¢	26¢				
5B2051	600*	600	B	116 x13/6	14 × 18	39¢	35¢				
5B2092	2000†	25M	A	114"x114"	14 x 38	39¢	35¢				
5 <b>B20</b> 07	2500	25M	A	136"x13"	12 1 2.0	39¢	35c				
5B2093	10M	10M	A	117"x114"	14 X 18	39¢	35c				
5B2094	20M	40M	B	1" x118"	12"X 3 K	39¢	35¢				
5B2005	20M	350M	A	116 x 78"	14 X 38 14 X 88	29¢	26c				
C8137	2 Meg.	40M	B	11,16 x15,16	14 X 8 8	39¢	35c				
	POTENTIOMETERS										

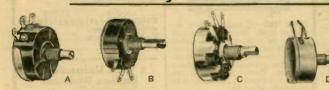
					Lots
Stock No.	Ohms	Fig. E	Body Dia. Deep	Shaft Dia. Lg.	of 10 Each Each
C8108	1M	E	1" x12"	14"x18,"	28¢ 25¢
C8124	1M(S)	F	1" x78"	12"x13 1"	43c 38c
5B2019	2M*	С	114"x1/2"	1/8"x 18"	19¢ 17¢

## **POTENTIOMETERS**—Continued Deda

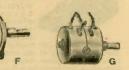
	STOCK		831	Duri	Th' T	Each	Each
	No.	Ohms	Fig.	Dia. Deep	Dia. Lg.		
	C8246	3M	G	1" x7/8"	14 x112	29¢	26¢
s	C8109	5M	E	1" x16"	14"x115" 14"x13"	28¢	25¢
0	C8125	5M(S)	GEF	1" x 74"	14 X 1 34	43¢	38¢
h	C8249	5M	G	1" x7'8"	1/4 x112	29¢	26c
c	C8158	13M	D	11/8 1 2	1/4"x 12"	21¢	19¢
¢	C8081	25M		11/6"x1 "	14"X 38"	19¢	17¢
	5B2001	25M*	СССССЕЕ	1" x16"		19¢	17¢
ċ	C8255	25M	G	1" x <sup>7</sup> 8" 1" x <sup>7</sup> 8" 1" x <sup>1</sup> 2"	24 × 8 14 x112 14 x112 14 x112 14 x112 14 x112	29¢	26¢
444	C8259	75M	G ·	1" x1/8"	14 x112	29¢	26¢
¢	C8082	100M	С	1" x12"	12"x 14"	29¢	26¢
c	C8118	1 Meg.	E	1 x12	14"x112"	28¢	25¢
c	5B2041	1 Meg.	E	11/8"x1 2"	34 x112"	39¢	35¢
			RHE	OSTAT			

**5B2003** 3M<sup>•</sup> C  $1\frac{1}{6}x\frac{1}{2}$   $\frac{1}{4}x\frac{1}{5}$  **19c** 17c<sup>\*</sup> Screwdriver slot. † Flatted shaft. <sup>†</sup> Tube with screwdriver slot adjusts front section, slotted shaft within tube adjusts rear section. (S) With SPST switch.

# **Nationally Known WIRE WOUND CONTROLS**



Exceptional values in nationally known standard makes of smooth acting wire wound type controls that are conservatively rated. Stand-



Lota

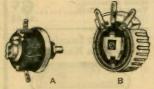
Lots

of 10

## **POTENTIOMETERS**—Continued

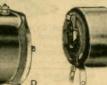
		led mount general pu		shi <b>ngs</b> and <sup>1</sup> use.	dia. sh	afts. Ide	eal for	Stock No.	Ohms*	Watts	Fig.	Bod. Dia.	y Deep	Shaft Lg.	Each	of 10 Each
Stock No. C8150	Oh Front Section 1850	DUAL Rear Section 18.5	P <b>01</b> Fig. G	Body Dia. Dee 1 <sup>3</sup> s″ x 1 <sup>3</sup> s	Shaft p Lg.	Each 29¢	Lots of 10 Each 26¢	C6350 5B2096 5B2089 5B2084 5B2099 5B2098	200 1000 2000 5000* 5150* 20M	2 4 2 4 2 2	C D C D B B B	11/4" x 15/8" x 11/5" x 11/5" x 15/8" x 13/8" x	8 8 21 81 8 8 8 8 21 8 8 4 8 8 8 21 8 8 4 8 8 8 8 1 8 1 8 1 8 1 8 8 8 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1	34" 36" 12" 12" 12" 15" 30"	19¢ 29¢ 29¢ 39¢ 29¢	17¢ 26¢ 26¢ 35¢ 26¢ 26¢
POTENTIOMETERS						5B2097 25M† 2 A 134" x 38" 38" 29¢ RHEOSTATS					26¢					
Stock No. 5B2010 5B2091	Ohms 10 20	Watts 4 2	Fig. D C	Body Dia. Deep 1 <sup>15</sup> 2° x 58 1 <sup>3</sup> 6° x 10	Shaft Lg.	Each 19c 29c	of 10	C8163 5B2011	20† 175	3 4	FD	118" X 115 X PAD	3/8	3/0	16¢ 19c	14¢ 17¢
C8148 5B2085 C8143	55 150 185#	4 - 2 9	D C D	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	38 3/6 3/6	29¢ 17¢ 39¢	26¢ 15¢ 35¢	C6337 "Screwdri	8-8 ver slot. †1	4 Flatted s	E	1½° x Vith SPST	35" switch	1"	12¢	10¢

# **POWER CONTROLS** Priced Very Low











Money saving values on wire wound power controls. Designed for permanent smooth close control. Ceramic and metal construction permits operation under heavy loads and insures proper heat dissipation. Single hole mounted by  $\frac{3}{9}$  32 threaded bushing, with solder lug terminals, and  $\frac{1}{4}$  dia. shafts.



**POTENTIOMETERS** Continued Lots of 10 Stock No. 5B2076 Body Shaft Fig C B Dia. Deep 2<sup>5</sup><sub>16</sub> x 1<sup>3</sup> x 1<sup>3</sup>4 x 1<sup>3</sup>4 Ohma Watts 1.g. Each \$1.43 500 50 25 .59 1.07 5B2080 2500 RHEOSTATS 25 C6839 .98 1%" x 1%" 11/2" x 13%" 11 EA .89 C8168 1375, 13754 25 38 .98 .89 MOTOR SPEED CONTROL 500 F 634" x 234" 484 12.5\*\* 587080 48 4.95 5 35 Dual control with center off position. \*\*with knob. Screwdriver slot. fFlatted shaft.

E

CONCORD RADIO CORP.-CHICAGO 7, ILL. 901 W. Jackson Bivd. \* ATLANTA 3, GA. 265 Peachtree SL.

WE GOT EM renes Z

#### 6 Pole 3 Position **Ceramic Gang Switch**



Non-shorting type, with all

Non-shorting type, with all contacts, lugs and wipers heavily silver plated. All other metal parts cadmium high voltage and RF switching. Has standard ½' threaded bush-ing, and ½' shaft extending '%'. C5922-69¢ Your Cost, Each.

**Two Gang Selector Switch** First sec-

tion single pole; four positions, non-short-ing. Second section, three posi-

tions common at all positions, one position open. Bakelite insulated with 4" shaft ½" long, and standard ½" threaded bushing less mtg. nut. 5B4041-Your Cost 29¢

#### **Ceramic Insulated Selector Switches**



be used as a meter switch where be used as a meter switch where several circuits are supplied by a common source or as a band awitch to short out unused coils. Standard 3% bushing with lock washer and nut. 34 shaft, 36 long. A good item for any maintenance or serviceman. 584036—Same as above but two position, two gang, 14 circuit non-shorting type. Your cost, either type. **39**¢ **Push Button Switch** Six button switch, one but putton switch, one button three pole double throw, rest are double pole, single throw, non-shorting. Less knobs. **39**¢ C9582 Specially Priced. **Tone Control Switch** 

Single pole, three position tone switch with % d i a m e t e r threaded bush-"and 21/2" shaft extending beyond bushing with standard flat for push on knob. C12677-16¢

our Cost.



C12599---Your Cost Each



These Selector Switches are all of nationally known and standard manufacture, and have positive action unless otherwise specified. All wafers are spaced approximately ½" from flange unless stated otherwise. All are without mounting nuts unless otherwise stated. Circuits mentioned are what the switches will give when wired properly on all weiting. on all positions.

Single wafer, single pole, 4-contact, 3-position, non shorting, 114° bakelite insulation. 14° bushing, 14° shaft, 14° long, 3-circuit. **19°** 584153 Your Cost

Single wafer, double pole, 6-contact, 4-position, semi-shorting type. 4 circuits permissible, 115 wafer, 15 bushing, 116 long, 36 shaft, 34 long, Excellent as a tone control switch. 584156 - Your Cost.

3-wafer Ceramic, 2-position switch. Front wafer 12 contacts, 4-pole, allowing 4 sets of S.P.D.T. action. Second wafer 6 contacts, 2-pole. allowing 2 sets of S.P.D.T. action. Third wafer 9 contacts, 3-pole allowing 3 sets of S.P.D.T. action. 2' spacing between wafers and flange, 7½° overall. ¾ bushing, ¼ shaft, 1½° long, Excellent for high voltage transmitters or as band switch in receiving sets. **49 5B4160-Your Cost**.

Single wafer, 3-pole, 10-contact, 2-position, spring return. Will give three separate S.P.D.T. circuits. 1½" hakelite insulation. ½" bushing. ¼" shaft, ¾" long. Excellent for intercommunication applications. 5B4150 29¢ Your Cost .....



SELECTOR SWITCHES

50¢

229

Excellent ro-tary switch for a multi-tude of appli-c a t i o n s ! Mounted on a W plate 1½" high. ½" holes aced 1½" from centers. 3<sub>16</sub>" aft, 2½" long. 5B4154 15¢ Your Cost

21

.0

S.P.S.T. Rotary [Switch

PERFECT MERCHANDISE - PROMPT SHIPMENT - PERSONA



# **Electrical Switch** 5pole2pos.switch

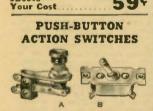
section actuated by 28 V.D.C. solenoid. When voltage is applied to coil, special low current winding

holds switch in position until volt-age is removed. Spring return to normal position. Other switch sec-tions of standard size may be used if desired. Shpg. wt. 1 lb. **59**¢ **C14167—Your Cost**.

**Sealed Switch** Allied Control SPST snap ac-tion heavy duty fully enclosed switch. Nor-mally closed. Pressure on contacts. Handles 12 or 24 V. De or 110 V. AC at 50 amp. 39¢ plunger opens 12 or 24 V. DC



Contacts mounted on 214" high by 1' square porcelain standoff insulators. Double pole-double throw knife switch. Can be used as a grounding switch. Ideal for the amateur. Base 8' x 4'. 5B6548 **59**¢



5B4126

Your Cost, Any Type

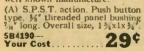
centers

5B4197-Your Cost

5B4162 Your Cost

Assembly

These switches will be found very useful for meter and instrument circuits, switchboards and trans-mitters. All are of standard and well known manufacture.



(B) S.P.D.T. action. "On" lock position. "Off" momentary posi-tion. "On" momentary position. Terminal Tabs are threaded for 6-32 screws. 1<sup>14</sup>%" mounting cen-ters. Overall size, 21% x1×34". Cur-rent rating, 1 amp. at 110 volt AC

## 5B4191

S.P.D.T. T. action. Toggle Type. lock position. "Off" lock on. "On" momentary posi-"On" lock position. "Olt" lock position. "On" momentary posi-tion. ½" threaded panel shoulder "" long. Overall size, 1½ x ½ x1". Current rating, 1 amp. at 110 volts AC. 5**B41**92

Same as above but-"Off" lock position. "On" momentary position

5B4193-Your Cost, 19¢ Any Type ...

Four position, two terminal, positive action rotary switch with lever knob and bakelite indicator plate. Has a single pole common

pole common with frame. Marked, right to left, OFF-R-L-BOTH. OFF posi-tion both terminals open, R position RIGHT terminal ground-ed, L position LEFT terminals grounded, and BOTH position RIGHT and LEFT terminals grounded. An excellent switch for aircraft, marine, truck, tractor, automobile, and other motor ignition systems, as well as electrical appliances and other equipment requiring a rugged dependable switch. Size: 314 square 114 deep. Suitable for air-craft magneto switch. **\$1.79** 

## CAM SWITCHES



These switches are to be actuated by a cam on some mechanical piece of equipment where an electrical circuit is to be operated when the cam is in a certain position

D.P.D.T. on one side of switch. When cam moves to other side, S.P.D.T. Mounting bracket included. 584194-Your Cost ... 29¢ Same as above but only one S.P.D.T. section. 5B4195-Your Cost. 10¢

#### **Special Rotary Switches**

These are unusual type rotary switches you will find useful in building or repair-ing various types of test equipment or scientific instruments. Small size, L' diame-Bakelite insulation, silver wiping contacts. Sturdy and well made

made.

well made. 5B4024-O. P. 3 position, 1st posi-tion, 1 circuit closed. Center posi-tion, both circuits open, 3rd posi-tion, 2nd circuit closed. Both have 2<sup>3</sup>/<sub>6</sub>" mounting studs tapped for 4-40 screw, <sup>9</sup>/<sub>16</sub>" mounting centers. <sup>3</sup>/<sub>6</sub>" shaft, extends <sup>1</sup>/<sub>26</sub>" beyond

<sup>5</sup>/<sub>16</sub> shaft, extends <sup>5</sup>/<sub>4</sub> beyond mounting studs. 584025—O. P. 3 position. 1st posi-tion, 1 circuit closed. Center posi-tion, both circuits open. 3rd posi-tion, 2 circuits closed.

15¢

Single pole 3 position

single gang shorting

type switch. 1 1/8 dia. with 3/6

dia. shaft dia. shaft long. Threaded

22¢

19¢



CONCORD RADIO CORP.-CHICAGO 7, ILL. 801 W. Jackson Bivd. + ATLANTA 3, GA. 265 Peachtree SL





CONCORD RADIO CORP.—CHICAGO 7, ILL. 901 W. Jackson Blvd. \* ATLANTA 3, GA. 255 Peachtree St.



irregular line volt-age. These units will fit any standage. These units will fit any stand-ard 110 volt outlet. Compact, neat appearing and well constructed these voltage regulators will length-en tube life in receivers and pro-tect components. The majority of receivers used today develop troubles due to excess primary voltage. Use of these dependable regulators will insure long trouble-free service when properly adjusted. Maximum dissipation is listed be-low. Model 211 is wound with high quality alloy wire on an insulated metal core with the winding encased in Di-el-ite. Adjustable five differ-ent positions. Model 211B has air cooling features which promote rapid heat dissipation. Has 8 positions. positions. Stock

Туре Price No. C12521 No. 211 Watts 65 98c 92c Lots of 10, Each. C12522 211B 150 51.59

## **Ceramic Octal Tube Socket**



A low loss, heavy duty socket on 1/2in. mounting centers. Firm gripping cylin-drical pin con-tacts silver plated for best electrical

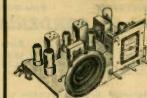
tacts siver plated for best electrical conductivity. Sturdily constructed. Heavy ceramic body seated in pressed steel shell. Soldering tabs and four grounding lugs pre-tinned, provided with <sup>1</sup>/<sub>4</sub> in. holes. 9¢ Cl3109-Your Cost, Each. 81c 10 for





in. dia. Hermetically sealed in seamless drawn aluminum can with ter-minal lugs on bakelite insulating cover. Can negative. Mounting tongues and terminals have wire tongues and terminals nave holes. With bakelite mounting plate on 112-in. centers. 5B3219-Your Cost. **69**¢





Dial calibrated to cover Broad-cast band of from 550 to 1600 kilocycles and shortwave band from 6 to 18 megacycles. Tun-ing control, Band switch, and volume control, with built-in On-Off switch conveniently grouped beneath square illum-inated dial. Untuned stage of RF amplification on both bands, Peaking circuit for add-ed sensitivity on short wave.

bands, Peaking circuit for add-ed sensitivity on short wave. Filter choke for hum free operation at maximum output. Has I25K7 RF amplifier, I25A7 converter, I25K7 I.F. amplifier, I2507 Detector, AVC, 1st Audio, 35L6GT Power Amplifier and 35Z5CT Rectifier. Kit includes all parts needed for completion of the receiver. Detailed step-by-step instructions are included to facilitate construction. 6-Tube 2-Band Kit, complete with tubes and speaker. C24499-Your Cost.

**FEDERAL** Selenium Rectifier ller ★ Costs Less Longer ★ Runs Cooler ★ Readily Installed Smaller **±** Lasts Longer ★ Readily Installed
Saves space—only 1¼x1¼x<sup>11</sup>⁄<sub>4</sub>.—fits where tube won't. Costs less than tube and socket it eliminates. Long life—built to last the life of the set.No warm-up period. Starts instantly and runs cooler because no filament current is required. Installed in less time than tube—only two soldering jobs. Two rectifiers may be connected as a voltage overloads—even when charging deformed electrolytic condensers.

C10560-Your Cost \$1.09 51.00

Each Lots of 6-Each.



★ Easy to Install

★ Easy to Install Power line disturbances caused by refrigerators, oil burners, fluorescent fixtures, barber equipment and other electrical devices are filtered out or eliminated at the source. Building power lines should be pro-tected from radio interference by connecting filter between unit and line. For example oil burner to filter and filter.to-line. If source cannot be determined, then connect between line and radio. Case should be grounded with terminal provided. Inductance-capacity type to provide heavy duty filtering up to 20 amps at 115 VAC, 600 MDC. Five terminals, center terminal ground. Dimensions: 4½° long, 2%4° wide, 2%4° high. \$170

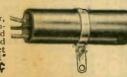
\$1.79 5B3218-Your Cost ...

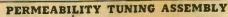
## Alnico V 5" P.M. Speaker

Almico V 5" F.M. Speaker Uses the new Alnico V magnet that provides maximum performance with minimum weight. Widely used of AC-DC radios, record play-ers, inter office and auto radios. High con-version factor. Voice coil terminals conven-iently placed on transformer mounting brack-et. Transformer not furnished. Normal wat-tage 3, peak wattage 4½. V.C. impedance 3.2 ohms, depth 2½%. Sphg. wt. 114 lbs. Your Cost Your Cost B7009 Each \$1.98

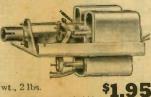
#### 30/50 MFD Electrolytic

Vax scaled two section condenser, one 30 mfd and one 50 mfd with com-mon negative. Both sections rated 150 working volts D.C. Color coded flexible wire leads. Mounting bracket for easy installation. Size: 3'x1' diameter. Standard makes. 69¢





Antenna, RF, and oscillator coil assembly permeability tuned. Separate adjustment for each coil to insure tracking. A sturdy, shockproof unit covering 540 to 1600 KC, it requires no tuning condenser. Designed for 456 KC IF frequency. Each coil has individual copper shield can. Overall size 2% x25% x4' with three tapped holes for mounting. Shog. wt., 2 lbs. **C5976**—**Your Cost**. C9974 Your Cost ...



Famous brand. 3.5 volts output average at 1000 c.p.s. across 0.5 megohm load. Frequency range 50 to 4000 c.p.s. Mounting cen-ters of 7 in. for use with 10 and 12 in. records. Features axial-cushioned die-cast arm, with gracefully curved lines and mod-erately off-set head for improved tracking at low needle point pres-sure of only 1½ oz. Arm rest but-ton for fastening arm when not in use, as on portable equipment. Spring counter-balanced. Fin-ished in smooth dark brow-enamel. For use with either re-placeable needles or permanent stylus. (Not furnished). 583556-5B3556 \$2.29 Your Cost **Power Cord and Plug** Attractive high quality 6 foot cord with sturdy plug. For re-placement on sets, appliances, etc. C13285 **19**¢ Your Cost Line Cord Resisters Flexible, sturdy cords for AC-DC radios, field supplies, phono oscil-lators, etc. Ratings are at 3 amps. Voltage drop subtracted from your line voltage gives total voltage applied to tube filaments. No. C5322 C5332 Voltage Drop Ohms 40.5 volts 45.0 volts 135 150 45.0 volts 48.0 volts 54.0 volts 60.0 volts 66.0 volts 75.0 volts 84.0 volts 93.0 volts C5331 C5323 160 180 C5323 C5330 C5324 C5325 C5329 250 280 C5242 310 99.0 volts 99.0 volts 108.0 volts \*78.75 volts C5326 330 C5241 360 C5320\* 535 \*This cord used in 3-way portable sets. Voltage drop calculated for 15 amp. drain. \$4.45 10 for.

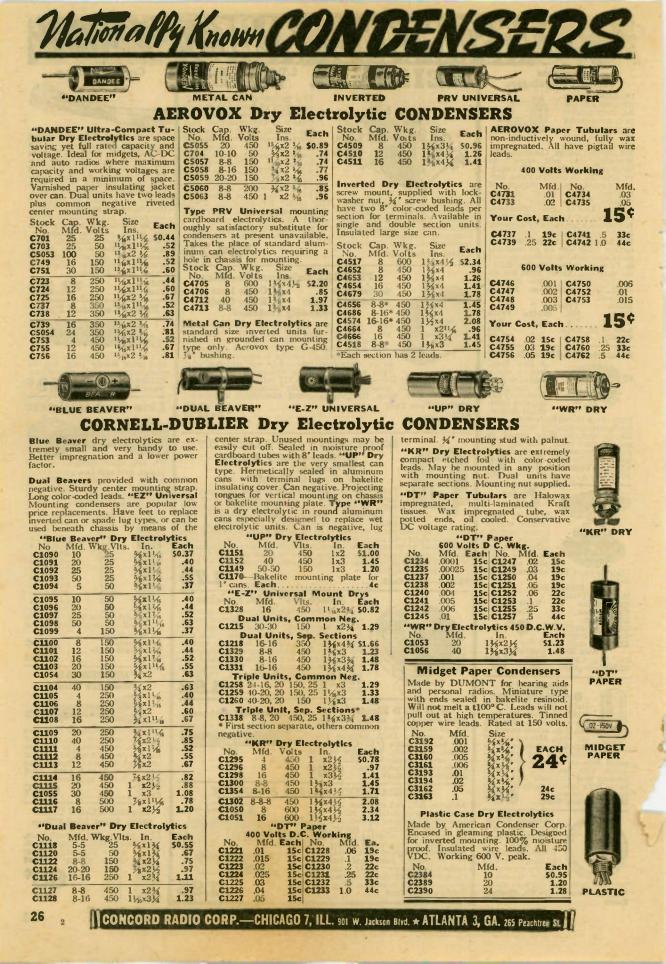


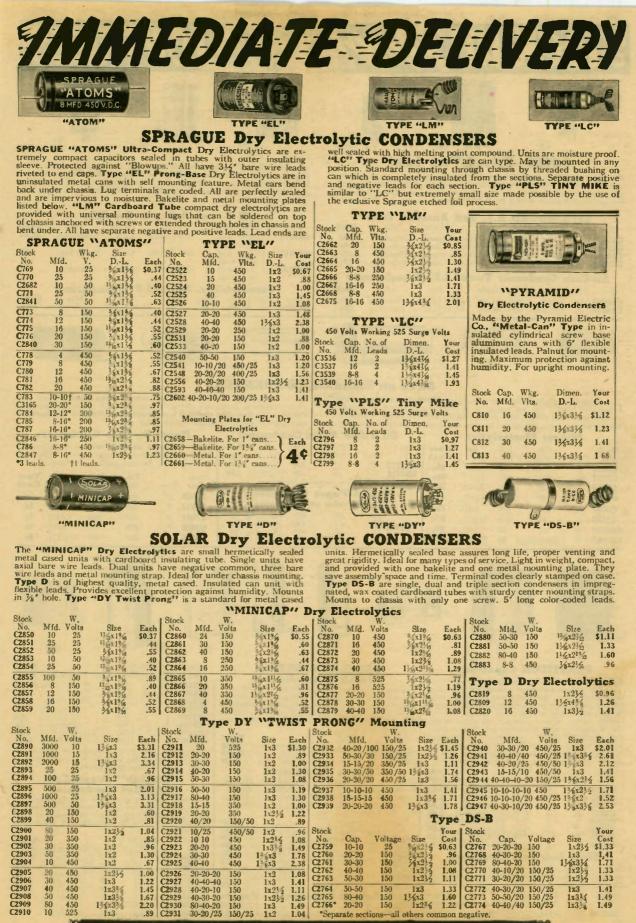
A replacement cord for all makes of receivers. One cord fits any type set. Any normally used re-sistance from 22 to 330 ohms in one cord. Complete instructions supplied with each cord. Ideal for servicemen and dealers. C5321-64¢ Each.

## Special AC-DC Cords With Pilot Light Tap



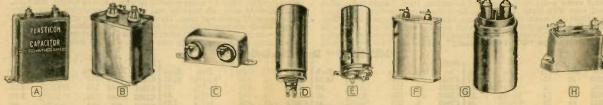
PERFECT MERCHANDISE - PROMPT SHIPMENT - PERSONAL SER\





RADIO PARTS AND ELECTRONIC EQUIPMENT HEADQUARTERS

STOCK UP Mouri	At LOW PRICES!
A B COILS Priced Very Low! COILS Priced Very Low! Antenna and R.F. coils furnished in unshielded type for t.r.f.sets and shielded type in round drawn aluminum cans 1 <sup>11</sup> , 22, thigh for serv- icing 90% of all receivers on the market. High impedance primaries for screen grid tubes with 4 bank Litz wound secondaries. Wound for	use with 365 mmf. variable tuning condenser. Brackets furnished. Dia- gram included with kits for building 4 or 5 tube set. <b>1.F. Transformers</b> in both permeability tuned type and air-core double tuned with com- pression mica trimmers adjusted from top of aluminum shielding can. RMA color coded leads
LITZ-WOUND R.F. and Antenna Coils No. Fig. Application Freq. Shield Mtg. Each C10012 A Ant. Coil 550-1750kc none Bracket 38c C10077 B Ant. Coil 550-1750kc Can Spade lugs 49c C10085 D R.F. Coil 550-1750kc Can Spade lugs 49c	R.F. and Antenna Coil KitsNo.ApplicationFreq.ShieldMtg.EachC100731 Ant. and 2 R.F. Coils550-1750kcCanSpade lugs\$1.43C100711 Ant. and 2 R.F. Coils550-1750kcCanSpade lugs.95C100961 Ant. and 1 R.F. Coil550-1750kcnoneBrackets.74
Air-Core Condenser Tuned I.F. Transformers No. Fig. Appln. Freq. Shield Size Mtg Each C10069 E Input 456 Can 134x134x3 Spd. lugs 52c C10070 E Output 455 Can 134x134x212 Spd lugs 52c	I R.F. Coil Permeability Tuned I.F. Transformer No. Fig. Appln. Freq. Shield Size Mtg. Each 5B5096 F Input 456 Can 11/2x11/2x31/2 Spd.lugs 79c
A B C Save on Standard	CONDENSERS
A variety of capacitors for every purpose. Midget dry electrolytic types will handle any job requiring an electrolytic capacitor. Polarity clearly indicated. Bare wire leads. Easily replace larger capacitors. Can types hermetically sealed in spun metal cans with spade terminals Midget Electrolytics Oil Filled Pap	
Stock         Cap.         D.C.         Size         Your         Stock         Cap.           No.         Type         Mfd.         W.V.         Dia.xL.         Cost         No.         Type         Mfd.           C3152         A         20         150         ½%2         38c         SB3214         D*         .05           C3153         A         20-20         150         ½%2         50c         SB3214         D*         .05           C3155         A         20         250         ½%2½         50c         Same as 5B3213         leas moun           C3156         A         10         450         1%12%         43c         Molded Paper           C3157         A         10-10         450         1%3½         70c         Specify value w	W.V. Dia. x L. Cost     known manufacture, standard make, Fully wax       600     13 (x 1) <sup>3</sup> (x 1)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$



## **PLASTICON** Capacitors

Sturdily built plastic film dilectric capacitors Smaller, lighter and more economical. Specified by Signal Corps, Air Force and Navy for more severe operating conditions than oil filled types. Extremely wide temperature range, greater safety factor, closer tolerances all insure longer life. Complete with mounting brackets as illus-trated and six-months guarantee slip. Average weight saving of as much as 90% on the bigher voltage types. Operate continuously at 220° F. Screw type terminals on stand-off insulators. Stock Cap W V Your

Stock No,	Fig.	Cap. Mfd.	W.V. D.C.	Dimensions	Your Cost
C2150 C2155	AA	4	600 2000	4x2x114 23%x2x114	\$3.10 3.37
C2156 C2157	A A	24	2000	31/2x21/x11/4 31/2x31/4x11/4	3.88 5.43
C2151 C2152	AA	12	1000 <sup>-</sup> 1000	2%x114x14 3/2x2x14	3.04
C2153 C2154	A A	4 8	1000 1000	45%x215x15% 45%x33%x13%	3.78 5.43

## - Mica Low Loss Condenser

Mica low loss capacitor. Screw terminals on top of molded one-piece body Integral mounting feet. Especially suited for transmitters. Stock No.

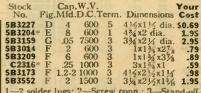
Fig. Mid. D.C. Your Dimensions Cost 5B3186 H. 00005 3000 2x2x34 \$0.79

**GENERAL ELECTRIC PYRANOL Condensers** Famous make of oil filled and impregnated, her-metically sealed capacitors with stud type ter-minals on glazed ceramic insulators. Complete with terminals and mounting hardware. Ideal for commercial, amateur, manufacturing and experimental uses. Stock Can WV

Stock		Cap.	W.V.		Your
No.	Fig.	Mfd.	DC.	Dimensions	Cost
5B3229*	B	4	1500	334x114x458	\$2.95
5B3228*	B	2	1000		1.29
17 1 5 1 1	D		Cand	-	

Paper Condensers Ideal for replacement of electrolytics in filter circuits. Will equal filtering action of electro-lytic with rated capacity 4 times greater. Higher voltage models suitable for use in cathode-ray circuits and transmitters.

Stock							Your
No.		Mfd	D.C.	<b>[</b> 'crm	. Dimen	sions	Cost
C4489*	E	2	600	1	5%x13	dia.	\$0.79
5 <b>B</b> 3162	E	4	400	5	434x13	dia.	.64
5B2967	F	2	1000	2	216x2	x11/4	_89
5B2968	F	.5	1500	3	314x13	íx1	.79
5 <b>B</b> 2970	F	.5	2000	3	35x13	XI Vis	.98
5B2969	G	.25	2500	3	416x13	dia.	.95
C2330	F	8-8	600	4	35%x25	- 285	2.79
Oil-Fil	led	an	d Im	pre			pers
5B3164	D	4	600	2	414x1		\$0.69
5B3172	D	2	1000	5	41/2x'	dia.	1.29



1-2 solder lugs; 2-Screw conn.; 3-Stand-off ins ; 4-Four prong plug-in ; 5-one lug, case other. \*-With mounting bracket.

# "Bathtub" Drawn-Case Oil-Filled Condensers

Compact superior-grade oil impregnated, oil filled. Non-inductive paper sections encased in a one-piece drawn metal case with soldered bot-tom plate for absolute hermetic seal. Solder lug terminals.

Bor Breester	****				
Stock		Cap.W.V			Your
No.				. Dimensions	
C2347	C	.55	100	216x13/ax1	50.09
C2362	C	.111			
5B3217	C	.25	600	113/1x15/6x15/1	.29
C2233	C	4	50	2x236x1	.29
C2234	Č	i	400	2x21/x3/	.39
C2235	Č	2	400	2x214x11/8	
C2237	Č	.55	600	2x21, x11/8	.49
5B3182	Č	.25	1000	2x2x116	.39
	-				

CONCORD RADIO CORP.—CHICAGO 7, ILL. 901 W. Jackson Blvd. \* ATLANTA 3, GA. 265 Peachtree SL





## PLATE — FILAMENT — POWER TRANSFORMERS

ma. Fully shielded, horizontal mounting. Color coded leads; primary: red common. black 117 V., and brown-black 120 V. Secondary: brown High Voltage, and brown-yellow High Voltage CT., Size: 4/5\*x34\*x37x high. 4 mounting Studs on 3\*x3% mounting centers. SB5065—Your Cost \$3.95

(B) PLATE TRANSFORMER — Primary 105 to 125 V. 50/60 cycles, secondary 1100 volts CT at 212 ma. Fully enclosed grey steel case with 10 stud terminals on bakelite panel on bottom. Terminals 1 through 7 primary, 8-9-10 second-ary. Size: 73 s x57 x 57 s. 6 mounting holes on 6"x21/6" mounting centers. \$5.95

5B6557-Your Cost

XX

solder lug terminals on stand-off insulators through bottom. Size: 4\*x3\*x24\*.6 mounting holes on 3½\*x1½\* centers. 5B6553 Your Cost. 51,955

(XX) 8 HENRY, 250 ma., 190 ohms D.C. re-sistance. Fully enclosed aluminum case with 2 solder post terminals on bakelite panel through bottom. Size: 236\*22\*336\*. 4 tapped mounting holes No. 6-32 on 11%6\*11½\* centers. 5B5100 \$2.25 Your Cost

(J) 10 HENRY, 40 ma., 250 ohms D.C. re-sistance. Unshielded, strap type mounting. Compact, efficient choke well suited for use in auto, A.C./D.C., small A.C. radios, small amplifiers and experimental uses. Size: 1½«\*X 1½~x1½°, Shpg. wt. 1 lb. C1601—Your Cost.



(D) FILAMENT TRANSFORMER — Prima-ry 105 to 125 V. 50/60 cycles. Secondary 5 V. CT at 6 amps. Fully enclosed grey finish steel case, with 9 stud terninals on bakelite panel on bottom. Terminals 1 through 6 primary, 7-8-9 secondary, Size: 4¼ \*33/s\* 6 mount-ing holes on 3½ \*11/s\* centers. \$2.25

except: 115 and 230 V. 50/60 cycle primary, and 6 stud terminals on stand-off insulators 

ing centers 31/2"x2". 5B5104-Your Cost.

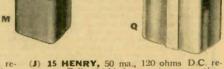
FILTER CHOKES

(J) 10 HENRY, 50 ma., 475 ohms D.C. re-sistance. Unshielded, strap type mounting. Efficient, small size, with wide variety of uses. Size: 2\*x1<sub>8</sub>\*x9\*. Shop. wt., 1 lb. 585126 - Your Cost. Vour Cost

(J) 30 HENRY, 50 ma., 450 ohms D.C. re-sistance. Unshielded, strap type mounting. Ideal for replacement and experimental uses. Size: 21% \*x134 \*x21%". Shog. wt., 2 lbs. C246-Your Cost **89**¢

(M) 4 HENRY, 300 ma., 40 ohms D.C. re-sistance. Fully enclosed grey steel case with 2 stud terminals on stand-off insulators through bottom. Size: 5% \*41\*44%. 6 mounting holes on 144 \*x114 centers. \$3.25

(M) 12 TO 4 HENRY SWINGING CHOKE, 300 ma., 60 ohms D.C. resistance physical data as (M). 5B6552—Your Cost \$3.50



(J) 15 HENRY, 50 ma., 120 ohms D.C. re-sistance. Fully shielded, strap type mounting. Compact, efficient, and has many uses. Size: 1% \*22'r.14'. 5B6550-Your Cost.

(XX) 20 HENRY, 65 ma., 220 ohms D.C. re-sistance. Fully enclosed black wrinkle finish case with solder lug terminals on bakelite panel through bottom. Size: 2"x2½2"x3". 4 mounting holes on 1%"x2" centers on top and bottom. SB5037-Your Cost

(Q) CHOKE AND CONDENSER ASSEM-BLY—Terminals 1-2, 3.2 henry, 50 ma, 280 ohms D.C. resistance; terminals 3-4, 1 mdf, 600 V. D.C. Fully enclosed grey finished case with 4 solder studs on stand-off insulators through bottom. Size: 33/\$\*11\$\*7\$3}\*, 4 mount-ing studs No. 6-32x3/\$\*1g. on 13/\$\*11\* centers. ing stud 5B3196-\$1.29 Your Cost

**AUDIO TRANSFORMERS and AUDIO REACTORS** 

(R) MIDGET INPUT TRANSFORMER 6-8 ohms to single grid. Unshielded, with 4 color coded leads. For use with small PM dynamic speaker used as microphone. Size: 134 x114 x C5962-Your Cost (S) LINE MATCHING OUTPUT TRANS-FORMER-Primary 15,000 ohms, 10 ma; sec-ondary 500 ohms. Fully enclosed, hermetically sealed, with 4 solder lug terminals. For remote line, and pre-amplifiers. Size: 24 x114 x114 Stat 22 Your Cost CT) OUTPUT TRANSFORMER-Primary CT) OUTPUT TRANSFORMER-Primary

apped No. 6-32 on 1% x1' centers \$1.49 Your Cost (U) INTERSTAGE INPUT TRANSFORM-ER—Primary (1-2) 10,000 ohms secondary (U) INTERSTAGE INPUT TRANSFORM-ER-Primary (1-2) 10,000 ohms, secondary (3-4) 100,000 ohms, Fully enclosed black finish octagon case with 4 numbered solder lug ter-minals on top, Size: 2'x1½' x1½' 4 mounting boles on 11½ x1½' centers. SB5110-Y0UT Cost. (V) OUTPUT TRANSFORMER-Primary, single tube 7,000 ohms 30 ma.; secondary 4 ohms. Unshielded strap type mounting with color coded leads. Size: 1½' x1½' x1½' 2 mounting holes on 2' centers. C1612-Y0UT Cost. (W) REACTOR-5.62 henries, 225 ohms D.C. resistance, 1,000 volts RMS 60 cycles test. Fully enclosed hermetically scaled aluminum case with 2 solder post terminals on bakelite panel through bottom. Size: 2'x2'x2'½', 4 mounting holes tapped No. 6-32 on battom on 1 'x11'2' centers. SB5012 Your Cost.

98¢ 5B5012 Your Cost

(X) UNIVERSAL OUTPUT TRANSFORM-ER – 15 WATTS Single or push-pull tubes to voice coil. Half shell type with 9 color coded leads. Primary: red, red-black and blue. Fol-lowing secondary leads connected to voice coil will match these impedances: black, ned-yellow 1,800 ohms; yellow, red-yellow 3,000 ohms; plack, yellow red-yellow 6,000 ohms; black, red-black 7,000 ohms; black, green 12,000 ohms; black 2,000 ohms; black, green 12,000 ohms; black 2,000 ohms, Size: 3\*x23/5\*x23/4\*. 4 mounting studs on 21/3\*x23/6\* cost \$1199 \$1.19 5B6558-Your Cost .....

(Y) **REACTOR** -0.2 henry, 50 ma., 10 ohms D.C. resistance. Enclosed in metal case and filled with impregnating compound. Low im-pedance choke for use in tone control circuits, or special filter components. Size:  $11_{16}^{+0.2} \times 12_{2}^{+0.2} \times 2_{2}^{-0.2}$ mounting studs No. 6-32x<sup>5</sup>/<sub>46</sub> / g; on 1<sup>35</sup>/<sub>46</sub> .75¢ centers

5B5056-Your Cost



30

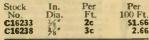
CONCORD RADIO CORP.-CHICAGO 7, ILL. 901 W. Jackson Blvd. \* ATLANTA 3, GA. 265 Peachtree SL



**Copper Shielding** 



Flexible tinned copper shielding that slides over cables and bunched conductors. Heavily tinned to prevent corrosion.



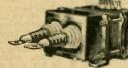
## ACORN TUBE SOCKET

5B6980

Your Cost

Low loss socket withrugged spring contacts for 954 and 955 tubes. Constructed of ceramic material 29¢

5 Volt 190 Amp. **High Current** Transformer



Primary—105, 110, 115, 120, 125 volts, 60 cycles at 970 K, V. A. Secondary—5.1 volts at 190 amps. Suitable for ageing filaments, small welding machines, and nu-merous other uses in the labora-tory or shop. Primary terminals come out to 1' stand off insulators. Secondary terminals come out at beavy duty stand off procelain heavy duty stand off porcelain insulators. Mounted in cast iron end bells and finished in baked black enamel. Overall size: 20° x 10° x 8°. Mounting centers: 8½° x 7)4°. Shpg. wt., 70 lbs.





Primary-105, 115, 125 volts 60 cycles. Secondary #1-510 volts at 25 mils. center tapped. Sec-ondary #2-12.6 volts at .9 amp. Sec-

ondary #3-6.3 2500 volt insuondary re-ora-volts at .5 amps. 2500 volt insu-lation test. Sealed in black crackle finished metal container, with fibre plate with 2 solder connect-ing studs on bottom. Has ½ mounting flange with holes to pass 6-32 machine screws on 2½" by 3½" centers. This would make an excellent transformer for "C an excellent transformer for "C bias" supplies. Overall size, 4x 3¼x3".

#### 5B5117 Your Cost

#### **Swinging Filter Choke**



15-3 henries, 250 ma., 100 ohms DC resist-ance. Fully enclosed black finish metal case, with 12' long RMA color coded RMA color use in leads. Ideal for use in sumplies for

\$1.98

eads. Ideal for use in power supplies for class AB<sub>2</sub> audio am-plifiers, and transmit-ter power supplies, Size: 315"x314"x 334", Four slotted mounting holes on 236"x212" centers. \$3.25

## **Push Button Tuning Assembly**



Sturdly constructed, precision operated push button tuning assembly. Ten in-terlocked push buttons, ten 100 mmf air padder condensers, one 50 mmf air pad-der and one 25 mmf air padder condens-ers. The pushbuttons operate a shaft, to which is attached a 50 mmf air padder, and a DPDT switch which connects a100 mmf air birmers condenser into the and a DPDTswitch which connects a 100 mmf air trimmer condenser into the tuning circuit. The 25 mmf air trimmer condenser is located underneath the 50 mmf air padder and both are at the rear of the assembly. A single mechan-ical adjustment for the push button mechanism is located on the shaft at the positive action and near to adjust. This

mechanism is located on the shaft at the front of the assembly, and is positive acting and easy to adjust. This assembly was designed as a transmitter channel selector for ten fixed frequency channels, and was in the oscillator circuit. Size: 10 long, 52<sup>4</sup> wide, 53<sup>4</sup> deep behind panel. Pushbuttons: 15<sup>4</sup> dia. x13<sup>4</sup> long, highly polished chreme plated. 3 solder lug terminals on ce-ramic feed-through insulators out bottom. 587067—Your Cost

### **Live Rubber Mounts**

Excellent live rubber mounts for floating gang con-densers, sockets, and record changers to prevent micro-phonics. Size  $\frac{1}{2}, \frac{1}{2}, \frac{1}{2$ Per 100

#### **Audio Transformer**

Dual audio transformer assembly mounted on a com-Dual audio transformer assembly mounted on a com-mon base plate and with a common terminal board. Circuit diagrams for the two transformers is printed on terminal board with lines terminating at the cor-responding solder lug. Impregnated and coated with black impregnating tar to protect it from moisture. Ideal for use as isolation transformer, plate to low Ideal for use as isolation transformer, plate to low impedance line, and other audio applications. Section PC-77372C: primary 5000 ohms, secondary 25 ohms. Section PC-77373C: primary 5000 ohms, secondary No. 1-6000 ohms, secondary No. 2-5000 ohms. Size: 27, \*22, \*x4, 4 mounting holes \* dia. on 1, \*22, \*\* centers. 585062 - Your Cost. \*1.29

## **Power Transformer**

Primary 117 volts 60 cycles. Second

60 cycles. Second-ary: No. 1-860 volts CT at 50 ma. No. 2-5 volts CT at 3 amps., No. 3-5 volts at 2 amps., No. 4-6.3 volts at 2 amps., No. 5-6.3 volts CT at 2 amps. Fully enclosed black finish metal case, with 12' long RMA color coded leads. Size: 314 x334 x334 4 slotted mounting holes on 214 x 234' centers. Excellent for ampli-fiers, radios, and general replace-ment purposes. ment purposes.

Plate

9787 800 C.T. 200 5

Volts Ma



**Plate Transformer** 

## **Power Transformer**



Stock

No.

5B504I

Type No.

Your Cost

Primary (1-2) 110 volts, 50-60 cycles. Secon-daries: No. 1 (3-4-5) 700 volts C.T. at 90 ma.; No. 2 (6-7) 5 volts at 2 amps.; No. 3 (8-9) 6.3 volts at 2 amps. Completely enclosed drawn aluminum case with 9 solder lug ter-minals on bakelite strip on bottom. Ideal for converting the BC-348, BC-342, BC-224, and other dynamotor power supply receivers. Four mounting holes on bottom on 27 to '13' con-ters. Size:  $33'_{4} \times 33'_{4} \times 44'_{2}$ . S3.95 \$3.95 5B5064-Your Cost





compact foundation for the construction of a low power transmitter receiver. Consists of metal frame with ten contact female receptacle at bottom, one 140 mm variable capacitor with screwdriver adjust-ment on top, one miniature polystyrene coil socket, one dual crystal socket, and one male contact socket with spring locking clip. 4" long, with spring locking clip, 4" long, 114" wide x 2<sup>4</sup>4" high. Tuning con-denser alone is worth more than the price of the entire assembly. 58353 — 39¢ Only.

#### LINE TO GRID TRANSFORMER



60c

Primary No. 1-250 ohms. Primary No. 2-30 ohms. Secondary 50,000 ohms. A high fidelity transformer with response of 20 to 20,000 cycles flat. In-

pickup to a minimum. This is an excellent transformer for low impe-dance mikes, single button carbon mikes, line to grid, etc. Eight solder studs clearly numbered for easy wiring

Studs: 1-6: 250 ohm primary. Studs: 2-5: 30 ohm primary. Studs: 3-4: 50,000 ohm secondary. Aluminum sealed case. Overall size: 2%\*22\*x17\*. 585112-Your Cost **\$3.50** TUBE TO LINE TRANSFORMER 2500 ohm primary. 200 ohm secondary. Has colored leads— Ifas colored leads-red, yellow and blue, primary. Black and yellow, secondary. Very compact con-struction, ideal for intercoms. Overall size: 11/3 \* 375 \* x 5B5109-Your Cost. 295 Tube to 500 Ohm Line



20,000 ohm pri-mary CT, 8 ma. DC max. cur-rent. 500 ohm 500 ohm dary CT. rent. 300 onm secondary CT. Frequency re-sponse flat  $\pm 1$ db from 50 to to Bood cycles. Fully enclosed black crackle with 12° color ottom. Size: 2°x

finish metal case, with coded leads out bottom. 238 x278". 4 mounting to  $27_{s}^{\circ}$ . 4 mounting holes on top bottom on 1% x2° centers. 5B6560-



31

#### **50-WATT OUTPUT** TRANSFORMER



\$5.26

Your Cost

NSFORMER Primary for Push-Pull 6L6's, 3800 ohms plate-to-plate; sec-ondary tapped at 4, 8, 15, 42, 250, and 500 ohms. Frequency re-sponse flat within ±2 db from 40 to 10,000 wates/caened Fully

do from 40 to 10,000 cycles/second. Fully enclosed black finish upright mounting metal case, with 12" RMA color coded leads. Size: 3½"x4½"x4½". 4 slotted mounting holes on 3½"x 2% centers. 586561-Your Cost \$3.50



CONCORD RADIO CORP.—CHICAGO 7, ILL. 901 W. Jackson Blvd. \* ATLANTA 3, GA. 265 Peachtree SL



IMPORTANT-BOOKS ARE NOT RETURNABLE FOR CREDIT



CONCORD RADIO CORP.—CHICAGO 7, ILL. 901 W. Jackson Blvd. \* ATLANTA 3, GA. 265 Peachtree SL







Finest screwdrivers, for electrician's Pinest screwarivers, for electrician's use. Special analysis steel blade over half-way into shock-proof Am-berlite handle. C15345—3x<sup>+</sup>,6" blade. Each... 37c C15346—6x<sup>+</sup>,6" blade. Each... 49c C15347—8x<sup>+</sup>,6" blade. Each... 56c

**RADIO PARTS AND ELECTRONIC EQUIPMENT** HEADQUARTERS

.86 37

\$9.20

86

.86

Hole Size Cost Ea. 4' to 2'4' \$9.20 Extra Shanks

K Round

Shank for Hand Brace C17269

Stk. No. C17265

C17267

C17268



CONCORD RADIO CORP.---CHICAGO 7, ILL. 901 W. Jackson Blvd. \* ATLANTA 3, GA. 265 Peachtree St





I PERFECT MERCHANDISE – PROMPT SHIPMENT – PERSONAL SERVICE []



CONCORD RADIO CORP.—CHICAGO 7, ILL. 901 W. Jackson Bivd. \* ATLANTA 3, GA. 265 Peachtree SL





CONCORD RADIO CORP.-CHICAGO 7, ILL. 901 W. Jackson Blvd. \* ATLANTA 3, GA. 265 Peachtree SL





Prongs spaced to fit old type mountings (5 prong) and top designed to receive new crystal

holders which have octal spac-ing. Made of plastic with copper contacts and prongs. 34¢ C21006-Your Cost (Less Crystal)

HAMMARLUND HQ-129-X

This is truly the Hams receiver with the professional touch. Long years of Hammarlund engineering have resulted in an extremely fuertuning unit. Antenna effects at entirely different frequencies are quickly adjusted by the antenna compensator, noise is kept to a low level compared with the desired signal. Main tuning dial is accurately calibrated for each of the six bands. These bands are broken down as follows: 540-1320 kc., 1320-3200 kc., 3200-5700 kc., 5700-10,000 kc., 10-18 mc., and 18-31 mc. In addition to the calibrated band spread dial which covers four amateur bands there is also an arbitrary scale provided for any bands becoming available at a later date. Tube line up: 6SS7 RF amplifier, 6K8 converter, 6SS7, first 1F amplifier, 6SS7 second 1F amplifier, 6K8 converter, 6SS7, first 4F and S-meter, 6V6GT/G audio output, 6SJ7 beat frequency oscillator, 5U4G fullwave rectifier and OC3/VR105 voltage regulator. Antenna input impedance of 400 ohms provides for the use of single wire antenna or balanced transmission line. Audio output of approximately 3 watts, undistorted. Smeter mounted between the main dial and band spread dial calibrated 1 to 9 in steps of approximately 6DB. Six position Crystal filter. New series type noise limiter, 600 kc, 10-129-X, Complet **100**, 10-129

with tubes, less Speaker C21036—Matching Speaker in Cabinet





\$39.45

43

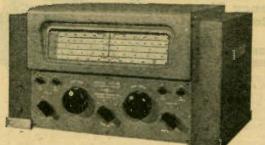
### ★ 2 Stages Tuned RF Amplification ★ Crystal Filter Circuit ★ 540 KC to 30 MC in Five Bands

★ 540 KC to 30 MC in Five Bands For the amateur or commercial operator who wants the best available performance in communications receivers, the Super-Pro is an outstanding selection in the field of "best receivers." Selectivity, sensitivity, signal-to-noise and signal-to-image values obtainable in this receiver are due to 2 stages of tuned RF amplification and 3 stages of IF amplification. The IF amplifier features variable band-width which is controllable from the panel. The crystal filter circuit, patented by Hammarlund, has 6 switch positions: 3 for phone re-ception, two for CW and one for "off." A VC is applied to the 2 RF stages and also to two of the 1F amplifiers. Tuning range is 540 KC to 30 mc., in five bands, the 3 highest of which have bandspread pro-vided on an arbitrary scale of 100 divisions. Model SP-400-SX covers 1.25 to 40 mc. and has band spread on all five bands. The S meter on these receivers is calibrated from 1 to 9 at approx. 9 db per step, with external adjustment. Separate heavy duty power supply, standard model, operates on 115 v., 60 cycle a.c. C21037-Model SP-400-X, complete with tubes, \$347.255

PERFECT MERCHANDISE - PROMPT SHIPMENT - PERSONAL SERVICE



#### NATIONAL NC-46



This 10-tube general coverage receiver is professional in appearance and incorporates all the latest features for smooth easy control. The long clear-vision dial utilizes the new type sloping front which is calibrated in mega-cycles. In addition a secondary dial or band-spread dial gives much finer tuning for logging purposes. Four bands cover the range from: 11.5-30.0 mc., 4.412.0 mc., 1.55-4.6 mc., and 0.540-1.6 mc. On the band spread dial the following divisions are available: 70 dial divisions on 3.5 mc., 50 on 7.0 mc., 56 on 14.0 mc., and 40 on 28 mc. Features include a series valve noise limiter with automatic threshold control, CW oxcillator, separate RF and AF gain controls, and amplified and delayed AVC. A push pull audio output stage delivers approximately 4 watts. A straight-line-frequency condenser in conjunction with a separate band spread condenser both having inertia type drive are used. The coil switching unit uses silver plated contacts. Provision is made for either headphone or speaker. Circuit consists of a 6K8 converter/ oscillator, two 6SC7 IF stages, oH6 detector/limiter, 6SF7 AVC amplifier, 6SJ7 CW oscillator, 6SC7 audio-inverter, two 25L6CT audio output and one 25.5 rectifier. Sensitivity: approximately 5 microvolts input provides a 50 milliwatt output over entire range. Like all receivers which have no RF stage, the NC-46 is not entirely free from images. Output with AVC varies less than ±4 DB with inputs ranging from 10 to 100,000 microvolts or DC. Shog. Wt. 50 lbs. \$97.50

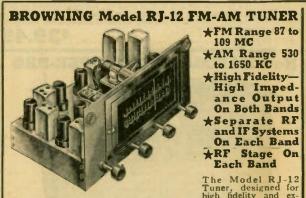
\$9.90

Dimensions: 91/1" high, 17 1/1" wide and 12 1/1" deep. 105-130 volts AC or DC. Shpg. Wt. 50 lbs. C21259—Model NC-46, Complete with tubes, Less Speaker. Your Cost C21258—Matching Speaker in Cabinet. Your Cost

One of the finest communications receivers ever made. The NC-240C is a twelve tube superheterodyne covering a continuous frequency range from 490 to 30,000 kilocycles. There are six calibrated coil ranges, controlled by a knob on the front panel which moves the desired coils into position below the tuning condenser and plung them into the circuit There are six calibrated coll ranges, controlled by a knob on the front panel which moves the desired coils into position below the tuning condenser and plugs them into the circuit, thus assuring very short leads for more efficient per-formance. Tuning control has a ratio of 60 to 1, and changes in frequency may be done rapidly merely by spinning the dial. This model has a number of new features of recent design. Namely: new high frequency oscillator design of extremestability eliminates detuning effects of RF gain control and motorboating or fluttering which occurs in some receivers when tuning in strong signals. A line shift of from 100 to 120 volts results in less than 1000 cycles change at 30 mcs. Signal to image ratio is better than 30 DB at ten meters. Moulded polystyrene coil forms are used in both RF and IF circuits, and padding and tuning condensers are of air-dielectric type. Tube complement: 65K7 RF amplifier, 6K8 first detector, 6J5 HF oscillator, 6K7 first IF ampli-fier, 6SK7 second IF amplifier, 6C8G second detector-limiter, 6J7 AVC, 6SJ7 BFO, 6F8G amplifier and phase inverter, two 6V6's push-pull deliver 8 watts of audio out-put, and a 5Y3G rectifier. Crystal filter with exceptionally wide selectivity range for use on both phone and CW is



used. Operates on either 110/120 volt or 220/240 volt, 50/60 cycle source. Switch in primary of plate Transformer permits use of either voltage. Shpg. wt. 95 lbs. C21261-Model NC-2-40D, Complete with tubes. C21262 10 \$225.00 **C21262** 10 inch speaker mounted in separate cabinet specially designed monize with the receiver's trim lines. to har-\$16.44



The Model RJ-12 Tuner, designed for high fidelity and ex-treme sensitivity, provides distortion free reception on new FM band of to 109 MC) and AM standard broadcast band (530 to 1650 KC). Ideal tuner for high-quality amplifiers. Physical size makes it adaptable to special cabinets, drawers, shelves, racks, and "built-in" applications provide greatest efficiency and highest quality output. FM section or one stage TRF; mixer stage with separate oscillator, operating at higher frequency thus eliminating image interference; two stages IF; two-stage cascade limiter, insuring maximum noise selector switch. Incoming signal of 15 microvolts will cause complete inmiting action. AM section is superheterodyne type and consists of ani IF stage; and a diode detector, which furnishes AVC voltage and section is one microvolt. Phonograph input is incorporated and con-nected, into channel selector switch. Controls: volume, channel selector setted into channel selector switch. Controls: volume, channel selector with the substantion of the original of 15 microvolts will cause complete interview of the original of 15 microvolts will cause and con-nected into channel selector switch. Controls: volume, channel selector with those dual exclusion of the original of 20 microvolts will cause the section is one microvolt. Phonograph input is incorporated and con-nected into channel selector switch. Controls: volume, channel selector with those, size. The those dual exclusion, walnut knobs, and in-tial. Phono input, audio output, and power supply connectors and in rear. Complete with tubes, dual escutcheon, walnut knobs, and in-structions. Size. The those dual escut the original sector with those. Size. The those dual sector switch. Sector with the sector is structions. Size. The those dual escut the original sector is super the sector sector. State of the sector sector the sector sector beam is also a trans side rule of the sector is the sector sector beam is also barge side rule of the sector is the sector sector beam is the sect

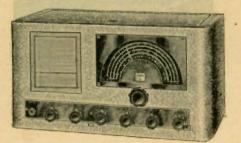
C22512-Your Cost (Less Power Supply)

BROWNING Model PF-12 Power Supply for above Tuner, 115 volt 60 cycle operation, complete with tube and line cord. Size: 6'x3'/3'x8'. Shpg. wt. 11 lbs. \$**15.78** C22513-Your Cost

**NATIONAL HRO-5TA-1** 

### **RME-84 COMMUNICATION** RECEIVER

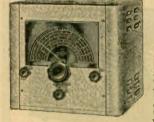
Here's the *latest* from



This new low cost superhet provides complete coverage over the range of .540 to 44 mc. The design and construction of this receiver are in accordance with RME's past standards. No "low priced, average com-ponents" are used anywhere in this set. There is no omission of controls necessary for the reception of 'phone or CW signals. Whether you are on the air, a potential "ham," a short wave listener or if you require a receiver for portable operation—you will want the RME-84. The tube line-up of the receiver is: TB7 r.f. amplifier, 757 converter 1st detector (2nd det.), first audio amp., 6C6G output audio amp. A 7K7 is used as noise limiter and beat-frequency oscillator. A 5Y3GT is the power rectifier. Six of the 8 tubes used are of the loctal series. These tubes were chosen because of their fine operation in the higher fre-quency ranges. Low current drain of the loctal type tubes also is may be operated; namely, either 115 v., 60 cycle a.c., external batteries or powerpack. In operation of the receiver, an important feature is the spread on any setting of the main dial is provided by a vernier dial having 200 divisions on the periphery of a 31% diameter disc. This scale makes five complete revolutions for the 180° rotation of the uning condenser. Main scale calibration is on a 7 dia, scale, raised numerals on an optically black background indirectly lighted for minimum glare. The tuning mechanism is a planetary-drive system, spring loaded to eliminate all back lash and is very similar to that used in the RME-84. Complete with tubes and **\$98.70** This new low cost superhet provides complete coverage over the range

c21011—Model RME-84. Complete with tubes and \$98.70 speaker (self-contained). Your Cost.

PICTURE CONTRACTOR CONTRACTOR CONTRACTOR CONTRACTOR 



#### RME DB-20 PRESELECTOR 550 kc. to 35,000 kc.

**550 kc. to 35,000 kc.** The new DB-20 preselector pro-vides tremendous increase in both a good communications receiver. Overall gain of from 20 to 25 db is grange of 550 to 30000 kc, which is the problem of peak performance in your receiver, the DB-20 incorporates three tuned circuits in which all components are of the highest quality, both electrically and mechanically. Two 6K7 tubes and an 80 rectifier, for the built in power supply, are used. The BB-20 propose, images on the ten meter band are entirely absent. At 14 mc, the signal to image ratio is approximately 50,000 to 11 RME engineers on the problem of peak performance in your receiver, the DB-20 incorporates three tuned circuits in which all components are of the preselector with a good communi-cations receiver having one stage of RF is on the order of 1500 to 1 at 28 mc. The significance of this is that, for practical operating purposes, images on the ten meter band are entirely absent. At 14 mc, the signal to image ratio is approximately 50,000 to 11 RME engineers of the mixer, are not sufficient to obtain the necessary standard of signal to noise and signal to image ratio. It was found that three stages of RF amplification are required.

The DB-20 is styled in the same lines and color to match the other recent RME products. A clean-cut cabinet, finished in gray wrinkle, houses the preselector. Black knobs are supplied on the controls, which are ituning, gain, band-selector and antenna switch. The tuning dial has a velvet smooth planetary drive, and is a dull black with raised white numerals. The diameter of the scale is 7°. Indirect illumination and a red scale-pointer permit maximum readability. The antenna input circuit is the typical matched doublet type, plus a single-wire to ground arrangement, permitting high gain matching to any antenna. The output circuit matches into 150-350 ohms, and connects to the input circuit of your receiver through a line which is supplied. An antenna change-over switch, on the front panel, connects the antenna to the receiver when the preselector is not in use. Ready for operation from 110/120-volt 50/60 cycle source. Overall size: 9¼° high, 9½° wide, and 101° deep. Cato12-Model DB-20 Preselector, complete with \$688.20

## **RME VHF-152 CONVERTER**



#### For 2, 6 and 10 Meters, 28-29.7, 50-54, 144-148 Mc.

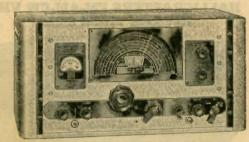
The answer to the ham who wants wide-range receiving facilities at low cost and in a minimum of equipment, the VHF-152 converter and a com-munications receiver will give you peak performance on the 2, 6 and 10 meter bands, utiliz-ing the extremely efficient dou-

54 db.). The order of stability obtainable at 50 mcc, is much higher than in most communications receivers when operating at 5 mc. New engineering design and construction by RME engineers make this remarkable achievement possible. Stability is assured by VR-150 voltage control and temperature stabilization of VHF oscillator circuits. As up to date in its components as in its appearance, the VHF-152 uses the new miniature tubes. Providing sensitivity (approx. 2 uv. on all 3 bands), stability and low noise level the tube line-up is: 6AK5 r.f. amplifier, 6AU6 converter (1st det.) and a 6J6 oscillator. The built-in power supply incorporates a 5Y3GT rectifier and a VR-150 voltage regulator.

VR-150 voltage regulator. The four controls necessary for operation of the unit are available at the panel. The tuning dial is optically black, with raised white numerals on its scale. The scale diameter is 7° diameter, and provides wide spreading of the calibration. There are three scales, one for each of the bands covered The entire dial is illuminated indirectly, providing maximum readability and minimum glare across its face. Scale cali-bration is in megacycles and fractions thereof. The tuning mechanism of the unit is characteristic of other RME systems: an all-gear, planetary drive mechanism is in direct control of tuning—no strains, pulleys or levers are used. Flexibility of operation with the communications receiver is simplified by the "Out"-"In" switch, which transfers the receiver from the converter to its own antenna. The converter itself has provision for four separate antennas, each input circuit for the VHF ranges is designed especially for the range covered. A shielded cable is provided for connection of the converter for the receiver with which it is used. C21013-Model VHF-152 Converter, complete with SOCC

c21013—Model VHF-152 Converter, complete with \$86.60 tubes and output connecting cable.....

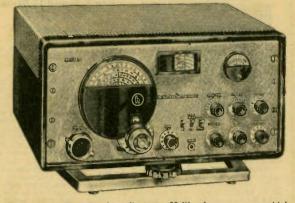
#### **RME-45 RECEIVER**



The RME-45 communications receiver is the outgrowth of a long series of the instruments, built for practical, all-coverage radio reception, or foreign as well as CW. One of the outstanding features of this new RME for each of the outstanding features of this new RME for each of the outstanding features of this new RME for each of the outstanding features of this new RME for each of the outstanding features of this new RME for each of the outstanding features of this new RME for each of the scale. This is accomplished simultaneously by the office of the outstanding features of the receiver leaves the one of the each of the scale of the outstanding features of the outstanding features of the server leaves the one of the each of the scale of the outstanding proceeds. No dials of the outstanding the outstanding proceeds is geared five to one to the main scale. All the circulation of the scale is geared five to one to the main scale. All the circulation of the scale is geared five to one to the main scale. All the circulation is a velvet, well as the one to the main scale. All the circulation is a velvet, well as the one to the main scale. All the circulation is a velvet, well as the one to the main scale. All the circulation is a velvet, well as the one to the main scale. All the circulation is a velvet, well as the one to the main scale. All the circulation is a velvet, well as the one to the main scale. All the circulation is a velvet, well as the one to the main scale. All the applied of the outstanding well as the one to the scale of the the outstanding well as the scale of the scale of the top of the outstanding well as the scale of the sca

**RADIO PARTS AND ELECTRONIC EQUIPMENT HEADQUARTERS** 

# hallicrafters COMMUNICATIONS - EQUIPMENT



In a new receiver that is really new, Hallicrafters sets a new high standard in performance and mechanical design. AM signals may be received over the entire range of the receiver; FM signals on the two bands covering 27 to 110 mc. High fidelity reception is assured by the essentially flat audio response, 60 to 15,000 cycles, and an undis-torted output of 8 watts. Controls of the receiver are in logical order for maximum convenience. Color coding of controls simplifies the problem of general family usage. Small red dots indicate settings for standard broadcast; green dots are used for FM. The main tuning knob has a precision vernier scale behind a small window in the main dial housing. The main tuning dial is calibrated in megacycles and is marked for the new FM band. The bandspread dial is calibrated for the 3.5, 7, 14, 28 and 50 mc. amateur bands. An additional scale is provided for logging. The small locking knob mounted coaxially with the main and bandspread tuning knobs permits either of the two tuning knobs to be rotated while the other is held in place. Circuit features of the new receiver are the new split-stator tuning condenser 0-position crystal filter and phase control, all-range BFO for CW switched from 455 kc. to 10.7 mc. as the band selector reaches the higher frequency bands. Antenna terminals are for either single-wire

HALLICRAFTERS FM-AM-CW VHF **Receiver Model S-36A** 

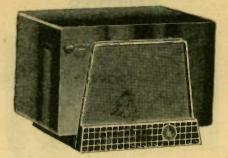


For the more discriminating buyer, the pioneers in mass production of VHF AM/FM receivers now present the most advanced develop-ment in this field. All components are of the highest quality and the entire receiver is designed for service in any climate. Octal socket at rear of chassis permits operation from external power source such as batteries and makes provision for mente stand-by switch Hallicrafters new 15 tube high frequency communications receiver incorporates many new improvements such as acorn tubes in the R.F. Ist 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 L.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 all new 3 watt audio system with a response curve which is essentially fat 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. Antenna, send-receive. Sclectivity, Meter Adjustment, Tone, A.N.L. on/of, Tuning, with Pitch control BFO on/of. A.F. gain. Tubes: 1-956 RF, 1-954 Con. Mix, 1-6AC7 1st IF, 1-6AB7 2nd IF, 1-65X7 3rd IF, 1-6H6 1.m. Disc., 1-6SL/GT audio, 1-VR 150 Voltage Reg. 2-6V6CT output, 1-5U4C Rect., 1-6J5 BFO, 1-955 H.F. osc. Size-191/4:99./15.4. Finished in black wrinkle. Rack type panel. For 110/220 v. 50/60 cycle A.C. Shg. wt.95 lbs. Cator 10/220 v. 50/60 cycle A.C. Shg. wt.95 lbs. Cator 5.Model S.36A complete with tubes, **\$3007.50** 

#### **HALLICRAFTERS SX-42**

+ Continuous Frequency Coverage, \* 540 to 110 Mc, AM/FM

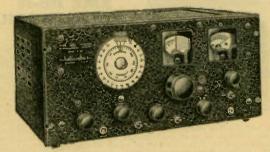
- ± 15 Tubes
- + 2 Stages Tuned RF Using Miniature Tubes



(broadcast band) or doublet antenna. The audio system has output impedances of 500 and 5000 ohms. A phone jack is supplied on the front panel; a connector is on the rear of the chassis for phono-graph pickup input. Miniature tubes, temperature compensated oscillator, two stages of RF amplification and two limiter stages produce superior performance at VHF. The circuit includes 18 tubes, some of which are miniature. An interesting accessory to the re-ceiver is an adjustable base with which the receiver may be tilted to meet the "eye angle" and thus increase case and accuracy of dial settings. The R-45 Speaker (illustrated) and its rack-mounting ver-sion, the R-45, represent one of the greatest innovations in speaker design in recent years. Heretofore, bass reflex reproduction has been available only in large, space consuming cabinet speakers. This is the first speaker of its size to offer the wide range fidelity of bass reflex. Highly functional design has resulted in the fine performing, smart appearing speaker unit which may be used with any other re-ceiver having 500, 600 ohm output terminals. A switch is available on the speaker cabinet for switching from high fidelity to com-munications reception.

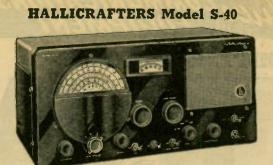
C21070-SX-42 Receiver, less spcaker and base. \$275.00
YOUR COST
C21071—B-42 Adjustable Base
C21072-R-42 Bass Reflex Speaker, Table Type EACH \$29.50
C21073-R-45 Bass Reflex Speaker, Rack Type EACH \$32.50

#### HALLICRAFTERS FM-AM VHF **Receiver Model S-37**



Having established leadership in the VHF receiver field with the SX-36A, Hallicrafters engineers extend that leadership in the new S-37 receiver which covers the 130 to 210 mc, range. This provides reception of the 2 meter amateur band, airport and aircraft, police, railroad and other communications. Basically similar to the S-36A, the new receiver incorporates a very efficient VHF tuner having 2 RF stages. This, coupled with very heavy construction of the r.f. chassis and leads permits higher gain and stability than heretofore obtainable. Fourteen tubes are used: 954 RF amp. 954 RF amp. 954 RF amp. 954 RF amp. 964 Converter, 955 h.f. osc. 6AC7 IF amp. 6AB7 FF amp. 6H6 AM det. and noise limiter, 6AC7 FM limiter, 6H6 discriminator, 6SC7 audio amp. 6V6CT audio output amp. VR-150 voltage regulator and 5U4G high voltage rectifier. The two stages of RF, plus the IF of 18 mc. produce maximum image rejection. Tuning of the entire range of the receiver is accomplished without bandswitching, by a new previoued gear drive with separate bandspread dial. Hermetically-sealed transformers and capacitors and moisture-proof wiring permit use of the receiver in any climate. Other features are option on 115 or 230 v.a.c.; automatic noise limiter; 500 of maudio output; input socket for operation form external signal-strength meter; h.f. oscillator compensated for frequency drift; antenna loading compensator on panel.

c21080-Model SX-37 VHF Receiver, com- \$591.75



The first of Hallicrafters post-war communications receivers is sented in the popular price field. A completely new conception of receiver beauty and styling is incorporated in this receiver. The use of a multitude of tiny openings. Controls are clearly identi-field and the normal positions are marked in red for standard broad-cast reception. Features never before available in a receiver in this price class are included. Of particular note is the use of the RF section consisting of permeability adjusted "micro-set" inductances, identical with those in the most expensive Hallicrafters receivers. Excellent signal-to-noise ratio and high sensitivity are assured by the use of a 6SA7 pentagrid converter. Many other outstanding features are: automatic noise limiter, temperature compensated HF oscillator, beat frequency oscillator, separate electrical bandspread footnols, three position tone control, separate electrical bandspread to 5400 KC, 5300 to 15800 KC, and 15300 to 44000 KC. Wide vision main tuning dial is accurately calibrated in megacycles. Pitch of BFO can be adjusted from the front panel. Special socket for vision main tuning dial is accurately calibrated in megacycles. Pitch of BFO can be adjusted from the front panel. Special socket for vision diverse supply. 2½ watts maximum audio output. Socket provided for connection of external Model "SM440" "S" meter, Nine tubes: 6SC7 RF amp.; 6SA7 converter; 6SK7 1st 1F; 6SK7 and 1F; 6SQ7 2nd detector and 1st audio amp.; 6F6G 2nd audio amp.; 6H6 AVC and noise limiter; 6J5GT BFO: 80 rectifier. **Many Series** and the source of the series are audio application of external Model "SM440" "S" meter, Nine tubes: 6SC7 RF amp.; 6SA7 converter; 6SK7 1st 1F; 6SK7 and 1F; 6SQ7 2nd detector and 1st audio amp.; 6F6G 2nd audio amp.; 6H6 AVC and noise limiter; 6J5GT BFO: 80 rectifier.

C21094-S-40. For operation on 110V 50/60c. A.C. \$89.50 C21095-S-40U Universal Model for use on 110/220 volts, 25 to \$98,50 60 cycle AC .... C21086-SM-40 (External "S" meter). Your Cost ...... 16.00

#### HALLICRAFTERS HT-9 100 Watt **Phone/CW Transmitter**



HALLICRAFTERS Model HT-9 is an ideal medium powered trans-mitter designed for maximum flexibility and convenience. It is com-pletely self-contained, requiring only a microphone or key, antenna, and source of 115 volt AC power to go on the air. Accommodations in the exciter section provides for use of five individual plug-in tuning units and crystals simultaneously. Band switching is thus easily accomplished. Three miliammeters are used. Tuning units available for the 3.5, 7, 14 and 28 MC, bands. General coverage coils from 1.5 to 18 MC, on special order; Power output of 100 watts on CW and 75 watts on phone; 100% modulation with low distortion; Antenna coil will match any resistive load from 10 to 600 ohms. Fourteen tubes: 6L6 crystal oscillator (used above 8 MC, only); 6L6 crystal oscillator or doubler; 814 final RF amplifier 63/7 1st speech amplifier; 4–6L6 push-pull parallel modulator; 2–523 rectifiers; 80 rectifier; 2–866 recti-fiers, 29% wide, 12½ high, 20½ deep. Wt. 125 lbs. C21346—Complete with tubes, but less crystals and coils. C21

1346—Complete	with	tubes,	but	less			
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0287-80 meters.		ils for					
0286-20 meters.							
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You For C10

Crystals for Above C10295—80 M. C10293—40 M. Any Above, Each C10294—20 M. (for 10 m. oper.) Each

## allicraft COMMUNICATIONS - EQUIPMENT



#### **NEW HALLICRAFTERS Model S-38**

NEW HALLICRAFTERS Model S-38 This new Hallicrafters Model S-38 is the finest receiver value ever offered in the low price field. The unusually fine styling makes this an ideal receiver for use in any room in the home. In addition its super-sensitivity makes it an excellent receiver for communications service. Four bands are covered: 540 to 1,680 KC, 1,650 to 5,200 KC, 4,750 to 15,000 KC and 13,000 to 32,400 KC. The main dial is calibrated in megacycles. All controls are clearly marked and include the following: Noise Limiter, Band Switch, BFO, BFO Pitch, Speaker/Phone Switch and Standby Switch. Headphone jacks and antenna terminals are provided at the rear of the cab-inet. Steel cabinet is finished in satin gray, and the speaker grill in the cabinet top is of airodized steel. 1.6 watts of audio output is available which is more than ample for all receiver requirements. Electrical bandspread dial permits separation of stations for com-munication or station logging purposes. Tubes required: 125X7 Converter, 125K7 1F Amplifier, 125Q7 BFO-Automatic Noise Limiter, 125Q7 2nd Detector-AVC-1st Audio Amplifier, 35L6GT 2nd Audio Amplifier and a 3525GT rectifier. Operates on 105-120 volts, 40-60 cycles AC or 105-120 volts DC. May be used on 220-250 volts AC or DC with the 220 volt line cord converter listed below. Receiver includes built-in PM dynamic speaker. Overall size: 12% wide, 7% high, 8% deep. Wt 14 lbs. C21031-Model S-38 Receiver, with tubes. Your Cost. \$47.50

Your Cost. C5245—220 Volt Line Cord Converter. Your Cost. \$1.28

#### HALLICRAFTERS "SKYRIDER" **Panoramic Adapter**



#### \* Avoid ORM \* See What You Hear! \* Spot Replies to Your CQ's \* Priceless for Band Coverage

The HALLICRAFTERS "Skyrider" Panoramic Adapter enables you to see holes in busy bands and the signal characteristics of your own as well as other stations. Helps you locate your sked and avoid annoying QRM. Locates stations whose exact frequencies are not known. Provides instantaneous signal strength ("5") meter for CW and Phone signals. Assists in making adjustments of trans-mitters and antennas. Indicates modulation percentage, frequency deviation. FM signals, audio distortion of carrier, carrier shift and splatter, spurious parasitics, carrier hum level, key clicks, noise and frequency drift of your own as well as other transmitters. Easy simple connections to all receivers with any IF frequency of from 450 to 470 kc. Contains four simple operating controls and does not affect the normal operation of your receiver. Clear sharp pano-ramic picture is produced on self contained cathode ray tube screen in normally lighted room. Comes in sturdy black wrinkle finished steel cabinet, with high quality components assuring long, trouble-free life. Overall dimensions: 11' wide x 9½ deep x 6½ high. Complete with operating instructions, tubes and connecting leads. C21000— C21000-Your Cost \$99.50

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## SCR-522 VHF TRANSMITTER-RECEIVER

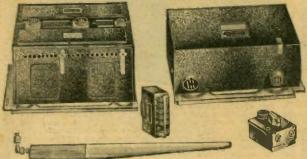
- \* For Civilian, Commercial, or Amateur Operation Without a Single Alteration
- + 100 to 156 MC Frequency Range

NEVER BEFOR NEVER AGAIN.

- + 4 Crystal Controlled Fixed Frequency Channels
- **Push Button Operation**
- **AM Voice Transmitter and Receiver**
- Airborne, Mobile, or Fixed Station Operation
- **Reconditioned**-Like New

The SCR-522, designed for operation by inexperienced personnel, is push button operated. All operating controls are located on the control and jack boxes. Pressing any one of the four channel-selector buttons, on the control box, applies primary power to the dynamotor and puts both the transmitter and receiver in operation on a pre-set crystal con-trolled frequency. Either the Press-To-Talk switch on the Microphone or the Send-Receive switch on the Jack Box controls the operating functions of the transmitter and receiver. Pressing the OFF button on the Control Box removes the primary power from the dynamotor and shuts off both the transmitter and receiver. The SCR-522 is simple and foolproof to operate, and has a frequency range from 100 to 156 MC. Designed as an airborne communications system, this equipment may be used in all types of aircraft, motor vehicles, railway equipment, and fixed ground stations.

and fixed ground stations. Consists of: transmitter, receiver, dynamotor power supply, control box, jack box, antenna, 8 connectors, four crystals and all tubes. The transmitter and receiver with connecting terminal board and ratchet tuning motor are mounted in metal case. 15 watt output, 7 tube, 4 channel crystal controlled fixed frequency transmitter, in-cludes 1—606G, 1—65G7, 3—12A6, 2—823 tubes. 10 tube, 4 channel crystal controlled fixed frequency superheterodyne receiver with sen-sitivity of 3 microvolts, using 1—9002, B-9003, 3—12SG7, 1—12C8, 1—12J5, 1—12AH7G. Both transmitter and receiver crystal frequen-cies and sub-harmonics of the channel frequency, and the exact fre-quency for each is given in the instruction book.



The dynamotor power supply consists of a dynamotor, input and output filters, and a carbon pile voltage regulator which keeps the output voltage constant over a wide range of input voltage fluctuation. These units are mounted in a metal case and on a cushioned rack. The antenna mast is approximately 30° long and may be mounted where convenient, It is fed with RG-8/U coavial cable (not supplied). The control and jack boxes are small and can be mounted within con-venient access to, and the remainder of the equipment may be mounted wherever convenient in the installation.

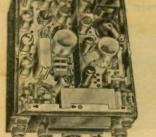
All cable connectors for the complete installation of the entire equip-ment are supplied. Cable wire and coaxial cable are not supplied as no two installations are likely to be the same.

Free conversion sheets are available for the altering of the equipment to operate on 115 VAC and changing to variable frequency operation of both transmitter and receiver. These changes are simple and easy to make

5B9550-SCR-522, 28 VDC operation. Your Cost

+38,50 5B5134-RG-8/U Coaxial Cable. Your Cost, Per Foot

**BC-654 TRANSMITTER-RECEIVER BC-645 TRANSMITTER-RECEIVER** \*Portable, Mobile, or Fixed-Station Operation \*BRAND NEW! In



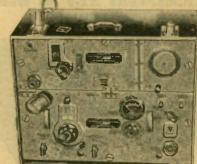
- **Original Packing**
- #435 to 500 MC **Frequency** Range
- **+**Extremely Small and Lightweight
- ★Portable, Mobile, or Fixed Station Operation
- \*Easily Altered for Type A<sub>1</sub>, A<sub>2</sub>, or A<sub>3</sub>, Emission

**±5-Tube Tuned Line Transmitter** #30 Watts Peak-Impulse Power Output \*10-Tube Superheterodyne Receiver

The BC-645 is a 15-tube interrogator-transmitter, made by General Electric Co for airborne use, with highest quality parts, design, and workmanship Weighs only 14 lbs.—measures 10<sup>1</sup>/<sub>2</sub> wd x 13<sup>1</sup>/<sub>2</sub> Ig x 44, 'hight Consists of fixed frequency receiver and dual channel lixed frequency transmitter housed in metal cabinet. 10-tube receiver oper ates on 470 mc, with tuning range of 461 to 493 mc, and 40 mc IF with 1 mc band width. Sensitivity 10 microvolts. 5-tube transmitter of tuned line type operating on 2 fixed frequencies within 145 to 300 mc range selection of operating channel made by noving arm relay which changes the tuned line capacity. Two RF outputs, 5 watts with 30 KC modu lation envelope and 30 watts with pulse modulation. Link coupled to coaxial cable for antenna feed. Slight circuit/alterations will adapt the BC-615 to commercial, amateur, and experimental bands. Free con-version sheets are available, giving detailed instructions and circuit diagrams for converting the receiver to a standard superheterodyne type and the transmitter to either a pulse, plate modulated, or audio frequency modulated high peak power pulse type. Tubes: Receiver 2-955, 4-7H7, 2-7E6, 2-7F7. Transmitter 1-WE Bi6A, 2-6F6, 2-7F7. Complete with tubes and cover. -955, 4-7H7, 2-7E6, 2-7F7. Trans -7F7. Complete with tubes and cover,



\$16.85 Your Cost .... Power supply, Dynamotor, input 14 or 28 VDC for above. 589555-Your Cost



**#BRAND NEW!** In Original Packing \*Frequency Range 3800 to 5800 KC. **\***Voice and CW Operation **★7-Tube Superheterodyne Receiver** ★6-Tube Transmitter, 24.6 W Output **Crystal Oscillator for Frequency Check** Every 200 KC.

Portable voice and CW transmitter and receiver for portable, mobile, and fixed station operation. 7-tube superheterodyne receiver with 3.5 microvolt sensitivity on voice and 0.5 microvolt sensitivity on CW, and 100 milliwatts undistorted power output. 455 KC 1F. Uses 3-1N5GT, 1-1A7GT, 2--3Q5GT, 1-1H5CT tubes. 6-tube transmitter with antenna tuning network, Colpitts thermal compensated oscil-lator, class C final with 2-307A tubes in parallel, and crystal oscillator for checking frequency every 200 KC. 24.6 watts output on CW and 11.2 watts output on voice. Frequency range, transmitter and receiver, 3800 to 5800 KC. Ideal for Hams! Comes complete with cover; set of tubes installed, 5 spare tubes and 3 spare pilot lights, and telegraph key. Less power supplies and accessories. Size: 18'x14'x912'. Net. wt. 4132 (bs \$28.75

. \$12.95

#### 589553-Your Cost.

5B9554-Dynamotor for operation on 6 or 12 VDC

AN F. C. C. LICENSE IS REQUIRED TO OPERATE ANY RADIO TRANSMITTER

69.35