

May 1938

good

# CITIZENS RADIO CALLBOOK

A

**Complete Radio Encyclopedia  
and Directory**

**Telephone Broadcasting Stations  
Radio Map and Full Operating Schedules**

**United States Amateurs**

**Canadian Amateurs**

**Naval Stations**

**Foreign Time and Press Schedules**

**Worlds High Power Transoceanic  
Stations**

**A R R L Section**

**"Hook Ups"**

**Formulae**

**Questions and Answers**

**RADIO LAWS**

**"How to Build Your Own"**

*Compiled from official records, Bureau of Standards  
and other sources*

**50 Cents** in U. S. A.  
65 cents Canada and Foreign

*"Why Pay More"*

*Published by*

**CITIZEN'S RADIO SERVICE BUREAU**  
Four-Sixteen South Dearborn Street      ::      Chicago, Illinois

*Who's Who and What's What in Radio Communication*





# Cunningham

## Tubes for Every Requirement

Vacuum tubes are used for two distinct individual purposes in a receiving set—as DETECTORS and as AMPLIFIERS. The qualifications of a tube for these two uses are so different that for maximum efficiency tubes of entirely different design must be used.

This point was one of the chief considerations of the research engineers who designed Cunningham tubes in the great laboratories of the General Electric Company. After years of research and experimental work, the Cunningham C-300, a SUPER-SENSITIVE DETECTOR, the Cunningham C-301, a DISTORTIONLESS AMPLIFIER, and the Cunningham C-301A, a LOW FILAMENT CURRENT AMPLIFIER, were developed. These three tubes, now nationally recognized as standards for all types of receiving sets, are responsible for the highly perfected results obtainable in radio phone reception.



The trade mark GE is the guarantee of these quality tubes. Each tube is built to most rigid specifications.

### TYPE C-300

Super-Sensitive

### DETECTOR

### TYPE C-301A

$\frac{1}{4}$  Amp. Fil-Current

Amplifier and Detector

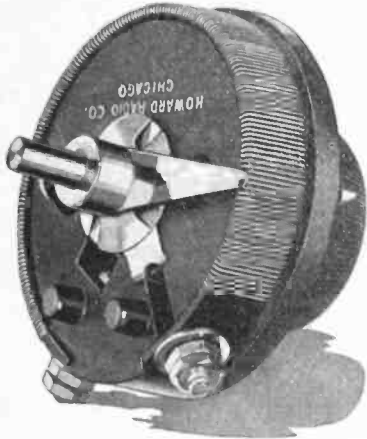
**Patent Notice**—Cunningham tubes are covered by patents dated 11-7-05, 1-15-07, 2-18-08 and others issued and pending. Licensed for amateur, experimental and entertainment use in radio communication. Any other use will be an infringement.

**Home Office:**  
248 First Street  
San Francisco, Calif.

**Eastern Representative:**  
154 West Lake St.  
Chicago, Illinois

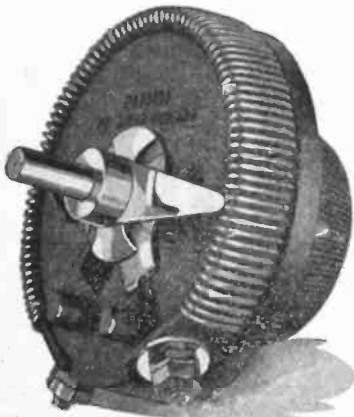
# HOWARD

## New 25 Ohm Rheostat



Will give maximum efficiency with 201-A or 301-A Vacuum Tubes. Ample control from approximately .2 to .3 ampere filament current.  
Price .....\$1.10

## Power Tube Rheostat



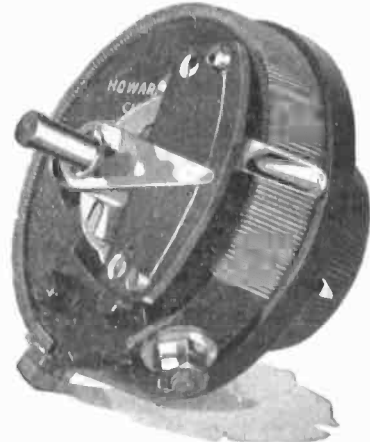
The above rheostat may be used to control the filament voltage of one 5 watt tube or two amplifier tubes. Rating 1.6 ohms 2.5 amperes.  
Price .....\$1.50

## Multi-Terminal Plug



Makes positive contact for 6 pairs standard Phone Tips—Series or Parallel, operates with Maximum Electrical Efficiency.  
Price .....\$2.00

## Micrometer Rheostat



The most simple, smooth and efficient Single Knob Control Vernier Rheostat in existence. Automatic—instantaneous adjustment of either main or micrometer portion. Total resistance 7 ohms.  
Price .....\$1.50

## Potentiometer



For Short Wave Radio Frequency Circuits. Total resistance 200 ohms.  
Price .....\$1.50

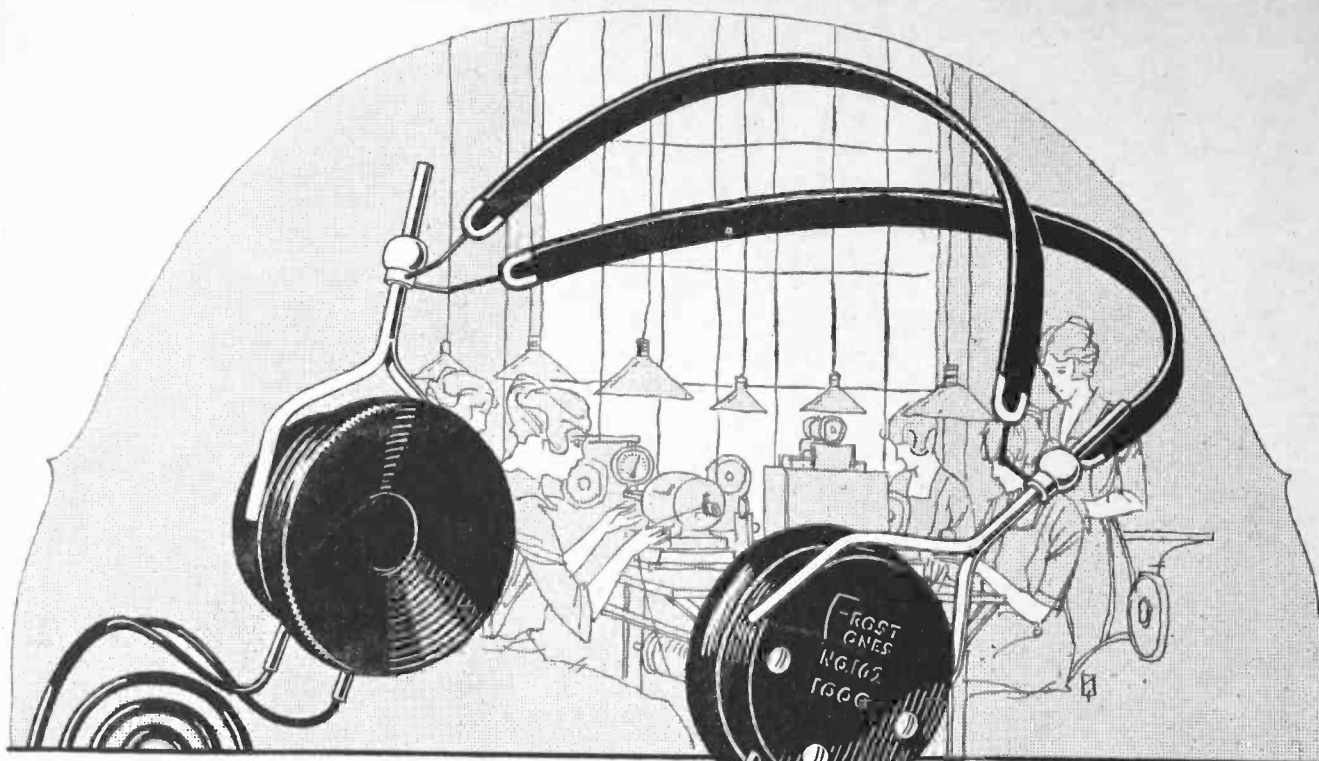
Latest Booklet, giving operating data and electrical characteristics of all Howard "Master Built" products, will be mailed to you upon request. Ask for "Master Built Booklet."

## HOWARD RADIO COMPANY Inc.,

4248 N. Western Ave. : : : CHICAGO, ILLINOIS

LIBERAL DISCOUNTS TO ELECTRICAL AND JOBBING TRADE

Tell 'Em You Saw It in the Citizens Radio Call Book



# Super-Inspected Quality

Your Dealer  
Sells Frost Fones  
See him today

No. 162  
2000 Ohm Set

**\$5.00**

No. 163  
3000 Ohm Set

**\$6.00**

**F**ROST Fones have always been true to an engineering ideal. Built for precision and sensitivity, they quickly won national repute.

Today Frost Fones are the largest selling head fones in the world. Frost ideals of quality—of precision in manufacture—of rigid inspection during every stage of the making of these famous Fones—insure permanent satisfaction to every one who buys a pair.

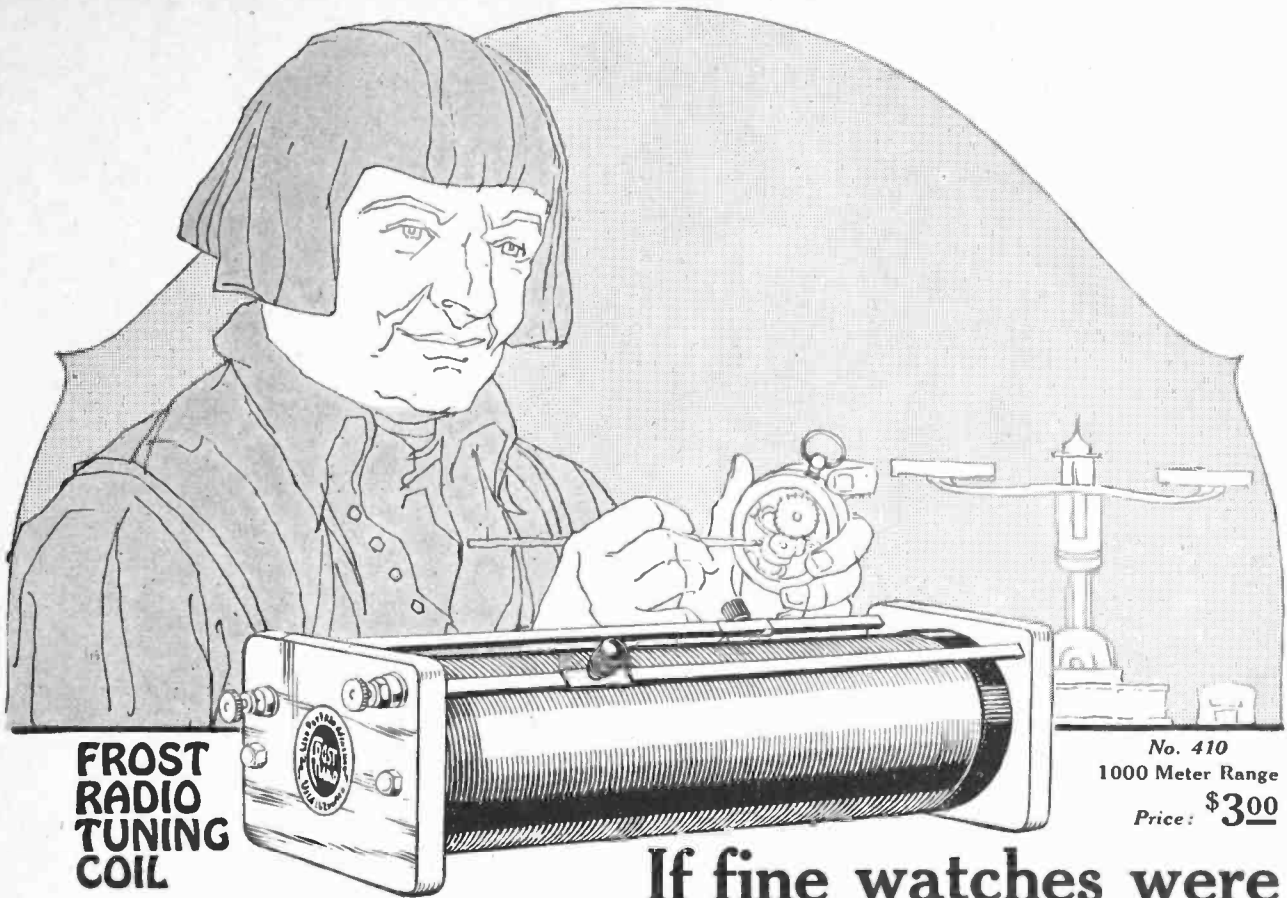
Each item in the Frost Radio line is made up to highest standards of radio engineering. You can order Frost Fones, Plugs, Jacks, and other apparatus from your dealer with the certain assurance that your money buys the best that can be made at prices which only quantity production makes possible.



**HERBERT H. FROST, Inc.**  
154 WEST LAKE STREET, CHICAGO, ILLINOIS.

Tell 'Em You Saw It in the Citizens Radio Call Book





**FROST  
RADIO  
TUNING  
COIL**

No. 410  
1000 Meter Range  
Price: **\$3<sup>00</sup>**

## If fine watches were still made entirely by hand—

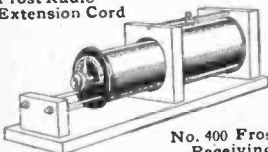
and if Frost Fones and other Frost Radio apparatus were similarly produced in small quantities they would have to sell for many times their present prices. Quantity production, allied with precision methods of manufacture, assures a Frost Quality product at a right price.

National advertising has created an almost universal demand for Frost Radio. Merchants who know values and appreciate quality are turning over Frost items in a way to make them feel good all over.

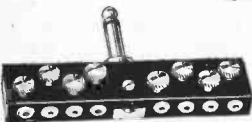
Your retail dealer stock Frost Radio and is prepared to supply the demand which exists in your particular territory. Get in touch with your dealer today and place your order.



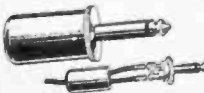
Frost Radio Extension Cord



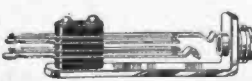
No. 400 Frost-Radio Receiving Transformer, \$8.50



No. 138 Frost-Radio Multi-Phone Plug \$2.50



No. 139 Frost-Radio Cord Tip Plug, 60c



No. 131 Frost-Radio Double Circuit Jack, 90c



"Like Postage Stamps, Used Everywhere"



# HERBERT H. FROST, Inc.

154 WEST LAKE STREET, CHICAGO, ILLINOIS.



# This New Frost Jac-Box Lets All the Family Listen In



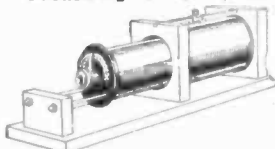
No. 139 Frost-Radio Cord Tip Plug 60c



No. 131 Frost-Radio Double Circuit Jack 90c



No. 138 Frost-Radio Multi-Phone Plug \$2.50



No. 400 Frost-Radio Receiving Transformer \$8.50

YOU folks who have receiving sets will welcome this new Frost Radio Jac-Box. It enables the family to listen in on broadcasted programs by providing four jacks into which four pairs of Frost-Fones may be plugged simultaneously, or three pairs of Fones and a loud speaker.

## FROST-JAC-BOX

will prove the handiest little accessory you ever used on your receiving set. With it the tuning of your loud speaker may be accomplished without disconnecting your Frost-Fones. The Jac-Box is beautifully made of quarter-sawed oak, with Formica front and back panels, green felt base and metal parts nickel plated and polished. If your dealer cannot supply you with descriptive literature, write us direct.

- No. 501 Jac-Box, with 10 inch cord and Cord Tip Plug, complete \$3.00
- No. 502 Jac-Box, with 10 inch cord for use with sets having binding posts \$2.50
- No. 503 Jac-Box, only \$2.25

Go to your dealer today and order one of these Jac-Boxes for your receiving set

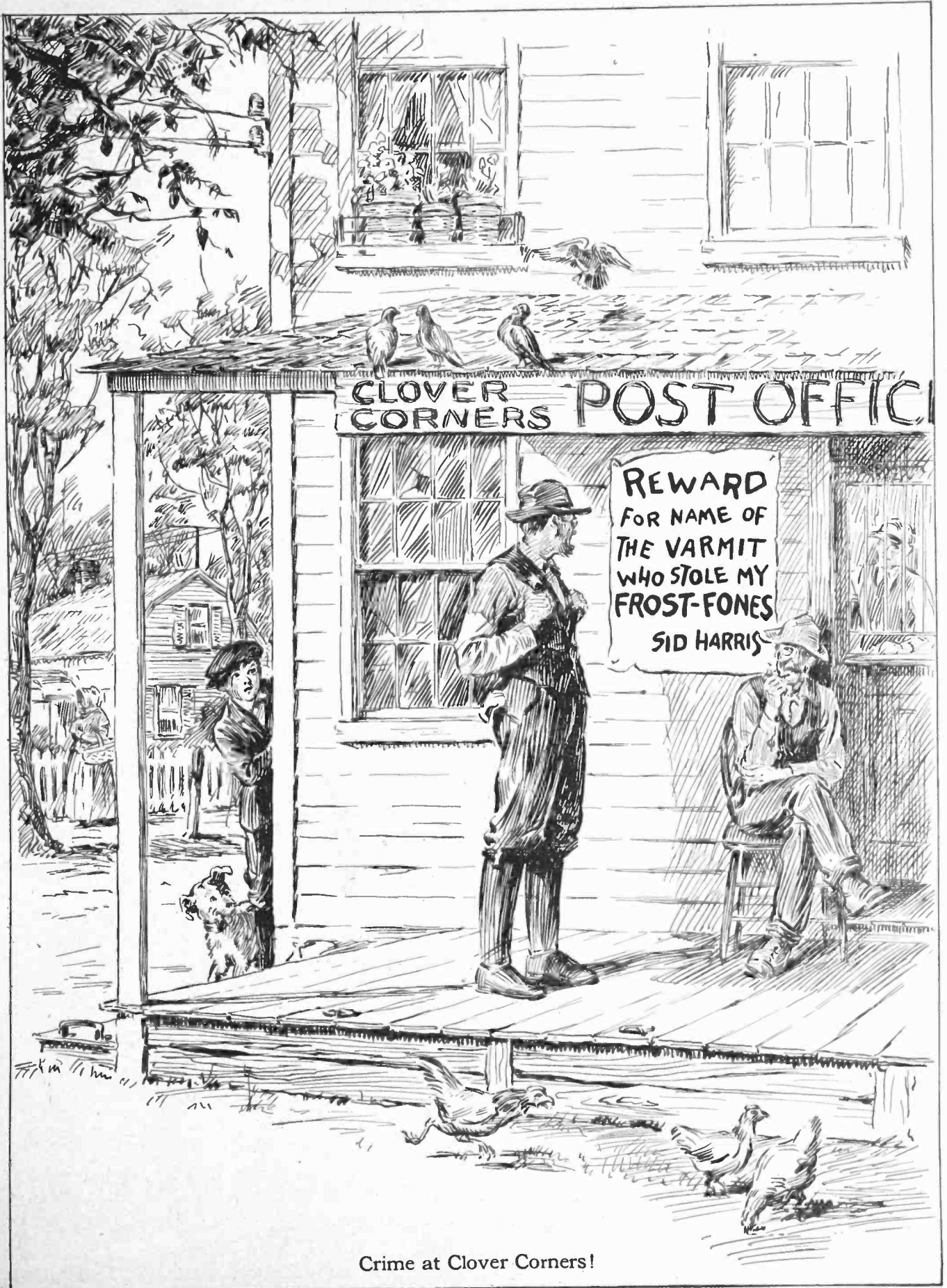


# HERBERT H. FROST, Inc.

154 WEST LAKE STREET, CHICAGO, ILLINOIS.

Tell 'Em You Saw It in the Citizens Radio Call Book





Crime at Clover Corners!

Tell 'Em You Saw It in the Citizens Radio Call Book

# The Receiver

which has met with Universal Favor



## Telmaco

### Type B-R Receiver

Manufactured exclusively for us by the Tri-City Radio Electric Supply Co., licensed under Armstrong U. S. Patent No. 1113149, Oct. 6th, 1914, for use in amateur stations and for radio experimental work.

A careful analysis of the past two revolutionary years in Radio shows unquestionably that the receiver of the future must have the following qualifications:

**EFFICIENCY OF OPERATION:** Se-

curing distance, volume, selectivity. **EASE OF OPERATION** enabling the novice to secure satisfactory results. **HIGHEST QUALITY OF WORKMANSHIP AND MATERIALS.** The time when inferior radio products can be successfully merchandised is past. **PRICE** within the reach of everybody. All these qualifications are combined in the **TELMACO Type B-R Receiver.**

### Specifications:

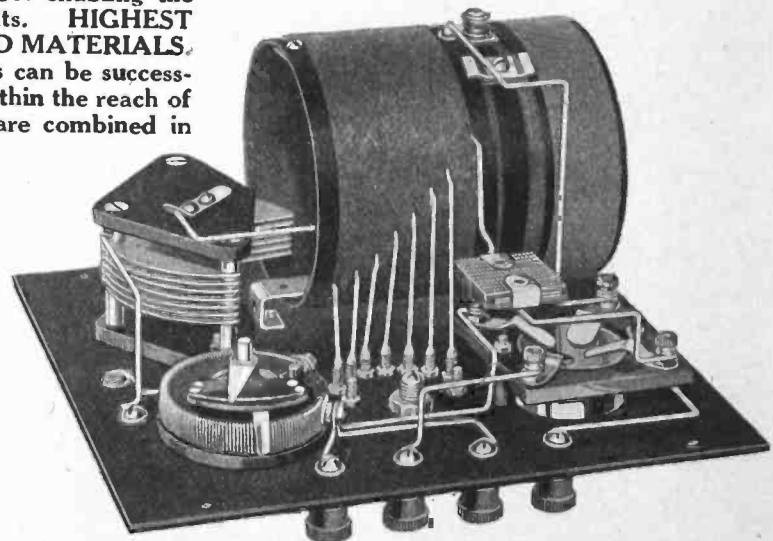
**Panel**—Formica, grained and machine engraved. **Vario-Coupler**—TELMACO special silk wound with loading inductance in series with primary. **Condenser**—Special 13-plate with Bakelite ends. **Rheostat**—Single knob control. **Sockets**—Highly nicked shell, Bakelite base. **Dials**—are polished, presenting pleasing contrast with dull panel. **Workmanship**—manufactured according to TELMACO'S rigid specifications. This guarantees your satisfaction. Either 6 volt or 1½ volt tube may be used.

**Price \$25**

The ultimate in value.

**TELMACO**

Quality Radio Exclusively



### Telmaco Type B-A Two Stage

#### A. F. Amplifier

Matches the above in size and construction. The greatest Amplifier value on the market. Price \$20.00.

RADIO DIVISION

**TELEPHONE MAINTENANCE CO.**

20 S. Wells Street

CHICAGO, ILLINOIS



# The Receiver of Tomorrow



## The Symphony

Tomorrow in Radio means a wider and more useful as well as more entertaining broadcasting. Therefore, to the purchasers of receiving sets, the design, the material, the workmanship, the circuit and the assembly, all play an important part in the quality of reception, and distance heard.

The placing of a Symphony in your home is a permanent investment that will win your instant approval, and occupy a prominent place among your most cherished possessions.

The clear reception and unusual volume are the results of the high grade units, the fine workmanship, the most

efficient circuit, and the correct assembly. The improved circuit used in the Symphony combined with the accuracy of its construction, has increased the selectivity to a marked degree.

The range of the Symphony Receiver is unlimited. Recently, in Chicago, Havana, Cuba, was tuned in not only on a head set but heard plainly on a loud speaker.

The Symphony Receivers are made in two types — Three and Two stages of audio frequency amplification.

If your dealer cannot furnish information on the Symphony, write for illustrated catalog, giving us his name.

### JONES RADIO COMPANY

Lytton Building, Chicago

The Symphony is manufactured under the U. S. Patent No. 1113149, Armstrong Regenerative Circuit

*All parts used in the Symphony are built and guaranteed by the Kellogg Switchboard & Supply Company for twenty-five years manufacturers of complete telephone equipment*

Tell 'Em You Saw It in the Citizens Radio Call Book

# BUILD YOUR OWN RADIO

DON'T WAVER SAVE MONEY WRITE WAVELAND

Complete \$20<sup>00</sup>  
Parts to Build this Set <sup>Pre-paid</sup>



View of Waveland Concert Receiver

\$18<sup>00</sup> Additional

covers the cost to you of all accessories needed including W. D. 11 Tube, batteries, headphones, aerial, etc. Nothing extra to buy.

Everything you need including beautifully engraved 6x14 in. Formica panel with all holes drilled. Easily followed instructions and Lefax Handbook free with outfit.

**When Assembled According to Our Instructions**  
*We Guarantee you can listen in on stations over 1000 miles Away*

Because of the patent royalty on the regenerative circuit we cannot wire the above apparatus *but you can* in about thirty minutes time. A pair of pliers and screw driver are all the tools needed.

## Waveland Two-Stage Amplifier

\$25<sup>00</sup> Unwired

\$27.50, Wired



Amplifier when Completed

If it is desired, to amplify the concerts etc. so that a loud speaking horn can be used, enabling a number of persons in one room to listen without headphones, It is necessary to have *Waveland 2-stage Amplifier*. To put it in operation **THE ACCESSORIES** including two tubes (which operate on ordinary dry batteries) and **WAVELAND DIE CAST WOOD LOUD-SPEAKING HORN \$29** will cost an additional



You need one of these Die Cast WOOD HORNS as it is the only material known that will produce a perfect tone. No tinny, metallic distortion. Height, 12 inches; Diameter, 10 inches; Weight, 3½ pounds.

- J-357 Mahogany Finish Horn with Baldwin Receiver..... \$15.00
- J-358 Mahogany Horn with Automatic Receiver..... \$12.50
- J-359 Mahogany Horn with no Receiver..... \$ 8.00



J-360

## The Newest in Loud Speakers

Die-Cast Wood puts an end to the jangle of metal horns. A boon to radio because they produce that clear, soft, musical resonance that can only come from Die-Cast Wood.

Imagine a violin made of brass or sheet steel. Or a tin guitar! Or a metal talking machine cabinet or piano case. Everybody wants a wood horn. Make your selection NOW.



J-361

## Any Standard Phone Receiver Can Be Fitted Into the Base

- J-360 Floral Pattern..... \$15.00
- J-361 Clearspeaker (Horn and Cabinet) 25.00
- J-362 Shell Pattern..... 18.00

Any of these designs can be furnished in Ivory, Verdi Green or Tiffany Gold finish.



J-362

## The H. K. Switch

Everyone knows the difficulty encountered in drilling holes in panel for switch points and getting them spaced correctly. The H. K. Multiple Switch does away with this troublesome drilling. Can be mounted on a panel in about the same time it takes to mount a rheostat. Has 15 contact points, each fitted with two nuts for connecting from inductance. Complete, with dial calibrated from 0 to 14. J-850..... \$2.00



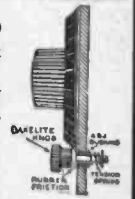
## An All Bakelite Socket

with four nickel plated binding posts for connections. Can be placed in smaller space than any other socket on 35¢ market J-553



## Friction Vernier Knob

One of the best aids to fine tuning yet produced. To attach simply drill ¼ inch hole in panel, insert the bushing and shaft and replace the cotter pin. The tapered adjusting bushing takes up wear as well as inaccurate drilling, and the spring keeps the friction even and constant. J-210..... 25¢



## Attention! Radio Frequency Fans

Here is just the type of loop you have been looking for. Made of mahogany finished wood, high frequency (Litz) cable and Formica ends. Measures 33 inches from base to top. 26 inches in width. Cable of 37 strands of No. 38 wire. Loop is directional and can be set up either as a radial or box type. Especially designed for super-regenerative sets. J-802 \$10.00



## Lightning Arrester

The spring and summer storms are coming. Antennas attract lightning. Protect your set against lightning and high voltage with an arrester approved by the fire underwriters. This type of arrester is also used to protect telephone lines. Mounts indoors. Never grounds. J-811..... \$1.50



## Six Can Listen

as well as one with this plug.

This multi-terminal plug overcomes the difficulty in making connections when two or more pairs of receivers are used. It provides positive and instantaneous connection for all standard headset terminals by merely inserting the tips into the holes provided in the plug. From 1 to 6 pairs of receivers may be accommodated in such a manner that maximum electrical efficiency is assured. \$2.00 Prepaid.



## Radio Handbook Every Radio Enthusiast

Should Have One An up to date book on Radio in every day language. Tells you all about new and old circuits, how to connect up sets, put up aerials, etc. Gives complete list of all broadcasting stations in America. Up-To-The-Minute radio information mailed to each owner semi-monthly. Book given free with every first order amounting to \$20 or more. J849 \$3.50

## Special Bargains

- W. D. 11 Tube (Peanut 1½ volts).....\$ 6.50
- Baldwin Headset..... 12.00
- Baldwin Loud Talking Unit with Cord..... 6.00
- 2000 OHM Headset..... 5.00
- Eveready "B" Battery 22½ volts 1.75

Dealers Send for Discounts

## "Waveland" Products are all carefully

tested and all of the very Highest Quality, fully guaranteed. Our radio-engineering department always at your service, for consultation and advice, no charge.

## "Waveland Pays the Postage"

anywhere in North America (on everything except storage batteries.) Write for Catalog.

# WAVELAND RADIO CO.

1348 NORTH CLARK ST.

Incorporated

CHICAGO, ILL.

Tell 'Em You Saw It in the Citizens Radio Call Book





Vol. 2


CHICAGO, MAY, 1923

No. 2

**CONTAINS**

- American Amateurs and Specials.
- Canadian Amateurs and Specials.
- Telephone Broadcasting Stations—U. S. and Canada.
- Full Broadcasting Schedules—U. S. and Canada.
- Three Large Radio Maps—Telephone, A. R. R. L., World.
- World's High Power Stations with World Map and Schedules.
- Naval Radio Stations.
- Federal Market Broadcasts and Schedules.
- American Radio Relay Section.
- How to Build Your Own Section.
- All Practical Wireless Circuits.
- Flewelling, Reinartz, Armstrong, Trap Circuit.
- C. W.—I. C. W.—Voice—Transmission Circuits.
- "Hook-Ups."
- Formulae.
- Questions and Answers—Experimenter and Amateur.
- Radio Laws—Amateur and Commercial.
- Schematic Diagrams.
- Graphic Illustrations.
- Text on Operation of Radio Frequency Circuits.
- Text on Operation of Audio Frequency Circuits.
- International Morse Code and Conventional Signals with list of abbreviations to be used in Radio Communication.


**With the Editor**

 HE entire personnel and staff of the Citizens Radio Call Book, in offering this issue for your approval, believe they have given you the greatest value ever offered in the history of Radio.

Our entire organization have been untiring in their efforts to give you a good Call Book, along with the other matter in this issue, at a reasonable price, something you have never been able to get before.

If our efforts have met with your approval, we will feel amply compensated for our effort to make a better Call Book than has ever been made before.

We will be more than pleased to hear from any one, having any suggestions to offer toward the improvement of our future issues.

 O THE many people who will purchase this publication as a guide to the construction of a wireless receiver, we wish to say, that the merchandise advertised in this publication can be absolutely relied upon to give entire satisfaction. The publishers accept advertising only from manufacturers and distributors of nationally known and tested parts and apparatus.

November Issue on Sale November 1st.      Published Semi-Annually, November—May.      May Issue on Sale April 1st.

Copyright, 1923, by Citizen's Radio Service Bureau

**Who's Who and What's What in Radio Communication**

**CORRESPONDENTS**  
 New York    Boston  
               Baltimore  
 Detroit    Chicago  
 Seattle    New Orleans  
 San Francisco



**FOREIGN CORRESPONDENTS**  
 Berne, Switzerland  
 Ottawa, Canada



Type RD-5 Regenerative Receiver (including Detector)

\$75.00

(Licensed Under Armstrong Patents)

Type A-2 Two-Stage Amplifier

\$50.00

**T**HE Paragon RD-5 Receiver possesses all the characteristics of the famous RA-10 Receiver, except that the wave length range has been reduced (160 to 510 meters). Together with its companion Amplifier, Paragon A-2, it makes a splendidly effective and satisfactory receiving set.

This Receiver, like all the other Paragon three-circuit Receivers, because of its greatly superior selectivity and sensitivity, can pick and choose between stations of about the same signal strength with less than one per cent differential.

This means that the operator gets complete music and clear messages from the station he tunes in on, without interruption and jamming.

Both Receiver and Amplifier are sturdily made and handsomely finished.

# PARAGON

Reg. U. S. Pat. Off.

## RADIO PRODUCTS



Paragon V. T. Control No. 70

Attractive—compact—  
efficient  
\$6.00



Paragon V. T. Socket  
Perfect contacts—heatproof  
—non-breakable  
No. 30, \$1.00



Paragon Stage Control Switch  
No. 90  
Positive—noiseless—rapid—Ideal  
\$3.00



Paragon Rheostat No. 25

Panel or Table  
Rugged—dependable—  
smooth action  
\$1.50



Paragon Audio-Frequency  
Amplifier Transformer  
No. 81, \$5.00



Paragon Potentiometer No. 35  
300 ohms—economical—  
rugged  
\$1.75

An illustrated Catalog of Paragon Radio Products is yours for the asking.

DEALERS—The Adams-Morgan Company has an interesting proposition to make to reputable radio dealers who believe in quality merchandise. Details on request.

ADAMS-MORGAN CO., 32 Alvin Ave., Upper Montclair, N. J.



# Amateur Radio Stations of the First District

Headquarters: Radio Inspector, First District Customhouse, Boston, Massachusetts.  
The First District embraces the states of Maine, New Hampshire, Vermont, Massachusetts, Rhode Island and Connecticut.

1AA	W. E. Heckman	119 Windermere Rd., Auburndale, Mass.	1AEC	Richard B. Brown, Jr.	7 Winslow St., Plymouth, Mass.
1AAA	Alden G. Reed	6 Stevens St., Winchester, Mass.	1AED	Lawrence N. Gordon	17 Circuit St., Melrose, Mass.
1AAB	Leroy M. Jordan	36 Glen Rd., Winchester, Mass.	1AEE	Francis N. Haley	113 Grove St., Lynn, Mass.
1AAC	Everett H. Gibbs	362 Franklin St., Framingham, Mass.	1AEF	John D. Clement	123 Adams St., Waltham, Mass.
1AAD	James A. Robertson	15 Lincoln St., Framingham, Mass.	1AEG	George Peterson, Jr.	Hillside Ave., Eastern Point, Conn.
1AAE	Ralph W. Jennings	6 Herbert St., Lynn, Mass.	1AEH	R. Keth Bullard	51 Highland St., Norwood, Mass.
1AAF	Charles Pendergrast, Jr.	641 Huntington Ave., Boston, Mass.	1AEI	H. E. Johnson	37 Edgemont St., Springfield, Mass.
1AAG	Robert S. Quimby	1 Shumway Circle, Wakefield, Mass.	1AEJ	Walter Vetromile	9 Bradford St., Everett, Mass.
1AAH	Clifford A. Kunz	9 Harris Ave., Jamaica Plain, Mass.	1AEK	Edward R. Ransom	106 Pleasant St., Bennington, Vt.
1AAI	Rufus L. Briggs	31 Central Ave., Hyde Park, Mass.	1AEL	F. C. Beekley	55 Ashley St., Hartford, Conn.
1AAJ	Frank W. Morley	139 Beacon St., Hyde Park, Mass.	1AEM	Michael F. Goodell	79 Blossom St., Chelsea, Mass.
1AAK	Joseph L. Vogel	35 Morton St., Hyde Park, Mass.	1AEN	Clarence E. Winsor	318 Spruce St., Chelsea, Mass.
1AAL	Leonard M. Donahue	Richmond, Vt.	1AEO	Harry J. Smith	Lyndonville, Vt.
1AAM	Isaac Goldstein	36 Oswego, Boston, Mass.	1AEP	Cancelled June 1st	
1AAN	Harold P. Hatch	16 School St., Everett, Mass.	1AEQ	Homer Richardson	56 Grove St., Dorer, N. H.
1AAO	Reginald F. Chase	29 Bradley St., Dorchester, Mass.	1AER	Powers-Tucker Radio Co.	14 Putnam St., Fitchburg, Mass.
1AAP	Edward F. Ekberg	1162 Washington St., Lanewood, Mass.	1AES	Harold E. LeMarche	71 George St., Attleboro, Mass.
1AAQ	Herman J. Mittleer	9 Conant St., Roxbury, Mass.	1AET	Edward T. Stubbs	1 Bennett St., Sanford, Me.
1AAR	Daniel F. Collier	589 Smithfield Rd., N. Providence, R. I.	1AEU	Charles P. Louisa	26 Avery St., Laconia, N. H.
1AAS	John F. Deacon	33 Pope St., Newport, R. I.	1AEV	Charles R. Washburn	Wareham St., Marlton, Mass.
1AAT	Robert W. Carder	23 Chardon Rd., W. Medford, Mass.	1AEW	Walter V. Howard	Cann. Martenfeld, Chesham, N. H.
1AAU	Alpha A. Learned	76 Camp St., Providence, R. I.	1AEX	Leo J. Kline	32 Rackleff St., Portland, Me.
1AAV	J. Stedman Ward	353 Spring St., Newport, R. I.	1AEY	Roland E. Ford	12 Liberty St., So. Hanson, Mass.
1AAW	Kenneth Sanders	W. Main St., Georgetown, Mass.	1AEZ	John F. White, Jr.	85 Wellington Hill St., Mattapan, Mass.
1AAX	Harold E. Davis	796 Noble Ave., Bridgeport, Conn.	1AF	Harvard Wireless Club	Harvard Union, Cambridge, Mass.
1AAY	Kenneth M. Gold	197 Beech St., Holyoke, Mass.	1AFA	William J. McKee	45 Kenwood Ave., Worcester, Mass.
1AAZ	Phillip L. Bescome	77 Academy St., Fitchburg, Mass.	1AFB	Nathanial H. Colby	New London, N. H.
1AB	Guy I. Bonham	194 Park Rd., West Hartford, Conn.	1AFC	Richard A. Hillfort	Rox 102 Marnard, Mass.
1ABA	Henry M. Lane	27 Linnaean St., Cambridge, Mass.	1AFD	Harold J. O'Connell	5 King St., Dorchester, Mass.
1ABB	Harold S. Moffett	3 Pease Ave., Monson, Mass.	1AFE	Frank J. Pace	29 Nonquit St., Dorchester, Mass.
1ABC	Sherman E. Whiting	2010 Park Ave., Bridgeport, Conn.	1AFF	Anthony R. Call	Pelham St., Pittsfield, Me.
1ABD	Arthur Z. Smith	200 Park Ave., Woonsocket, R. I.	1AFG	Minda A. Chanman	535 Vinton St., Manchester, N. H.
1ABE	Everett T. Ballou	35 W. Main St., Ware, Mass.	1AFH	Charles L. Wilcox	3991 N. Main St., Bridgeport, Conn.
1ABF	Fred J. Walsh	21 Perkins Ave., Hyde Park, Mass.	1AFI	Orville L. Paquette	95 Norwood St., Newtonville, Mass.
1ABG	C. T. Jorey	11253 Chandler St., Worcester, Mass.	1AFJ	Cancelled June 1st	
1ABH	John C. Manog	50 Hall Ave., West Somerville, Mass.	1AFK	Milton Academy	Milton, Mass.
1ABI	Wesley J. Brigham	50 Hall Ave., West Somerville, Mass.	1AFL	John C. Stiles	22 Wman St., Stoughton, Mass.
1ABJ	Raymond H. Fiedler	70 Sargent St., Lawrence, Mass.	1AFM	Harold A. White	17 Prairie Ave., Auburndale, Mass.
1ABK	Phillip L. Stevens	27 Shepley St., Auburn, Me.	1AFN	Thomas C. Howard	Second Beach Road, Newport, R. I.
1ABL	Unassigned		1AFO	Laurence W. Flint	23 Lawrence St., Wakefield, Mass.
1ABM	William J. Smith	S. Westport, Mass.	1AFP	Alfred R. Miller	42 Ellington St., Longmeadow, Mass.
1ABN	Henry H. Steinmetz	452 Willard Ave., Springfield, Mass.	1AFQ	Frederick W. Steltz	18 Jackson St., Holyoke, Mass.
1ABO	Philip Kulikowski	483 Main St., Ansonia, Conn.	1AFR	Frederick Ruck, Jr.	Port Adams, R. I.
1ABP	Russell MacComiskey	82 Main St., Leominster, Mass.	1AFS	John J. Bullman	7 Rockingham St., Readville, Mass.
1ABQ	Lawrence D. Pritchard	253 South St., Pittsfield, Mass.	1AFT	Freeman A. Redley	75 Harvard St., Reading, Mass.
1ABR	Cancelled		1AFU	Russell C. Lincoln	P. O. Box 132, Attleboro, Mass.
1ABS	Arthur C. Seelye	66 William St., Worcester, Mass.	1AFV	Clifford Peley	11 Mount Vernon St., Salem, Mass.
1ABT	Carroll T. Downes	1 Hartford St., Boston, Mass.	1AFW	Ralph R. Noble	48 Lancy St., Pittsfield, Me.
1ABU	Joseph Lyman	North Perry, Me.	1AFY	Albert Whitman	73 Farns St., Quiney, Mass.
1ABV	Clarence W. Nardreau	8 Barclay St., Worcester, Mass.	1AFZ	Osceola H. Cris	233 Broadway, Rockland, Me.
1ABW	N. T. Young	64 Prospect St., Marlboro, Mass.	1AG	William C. Rahn	Orchard Ave., Deterox, Mass.
1ABX	Lawrence W. Colby	10 Wellington St., Methuen, Mass.	1AGB	Walter R. Weeks	47 Pleasant St., Marlboro, Mass.
1ABY	Graham R. Hall	209 Lindott St., Providence, R. I.	1AGA	John A. Fraser	19 Madford St., Arlington, Mass.
1ABZ	William E. Dickson	59 Hamden Circle, Wolonster, Mass.	1AGR	Reverly High School	Reverly, Mass.
1AC	Harold E. Powers	165 Pond Rd., Leominster, Mass.	1AGE	Charles S. Newcomb	Main St., Presque Isle, Me.
1ACA	Howard Hotchiss	66 Goddard Ave., Bridgeport, Conn.	1AGD	Henry L. Pettincourt	111 Cedar St., Somerville, Mass.
1ACB	Leola L. Perkins	26 Walnut St., Brookline, Mass.	1AGE	John H. Braun	Brantford, Conn.
1ACC	Leslie A. Didsbury, Jr.	111 Main St., Bridgeport, Conn.	1AGG	Frederick C. McClary	49B Eastw. St., Lawrence, Mass.
1ACD	Albert R. Sherman	39 Chatham Rd., Everett, Mass.	1AGH	C. P. Lynch	58 Columbus Ave., Somerville, Mass.
1ACE	Frits A. Almqvist	21 Clarendon St., Quincy, Mass.	1AGI	Samuelers Hagohian	28 Bradley St., Bridgeport, Conn.
1ACF	Horace H. Soule, Jr.	Fort Hill Ave., Dixbury, Mass.	1AGJ	Franklin M. Donlittle	167 Willard St., New Haven, Conn.
1ACG	Frank Donato	882 Howard Ave., New Haven, Conn.	1AGK	Paul F. Healey	27 N. Came'n Av., N. Cambridge, Mass.
1ACH	Chester T. Venstrom	49 Highland Ave., Everett, Mass.	1AGL	Cancelled June 1st	
1ACI	Geo. Dana Sprague	49 Elm St., Wellesley Mills, Mass.	1AGM	Vernon B. Cushman	Summer St., Kingston, Mass.
1ACJ	Edward N. Pease	72 South St., Plimouth, Mass.	1AGN	Henry A. Tadgell	110 Parker St., Somerville, Mass.
1ACK	Herbert H. Johnson	38 Real St., Winthrop, Mass.	1AGO	Richard W. Moulton	191 Presidents Lane, Quiney, Mass.
1ACL	Douglas A. Peterson	54 Hobson St., Brighton, Mass.	1AGP	Alfred R. Seidel	511 High St., Central Falls, R. I.
1ACM	Dwight E. Keeney	67 Syracuse St., Holyoke, Mass.	1AGQ	T. J. Gridley	Springfield, Mass.
1ACN	James A. Mulligan	Shawshun Village, Andover, Mass.	1AGR	Theodore Miller	12 Conant St., Roston, Mass.
1ACO	George Dronne	150 Water St., North Andover, Mass.	1AGS	Chester M. Canon	22 Morse Ave., Norwood, Mass.
1ACP	John E. Pomeroy, Jr.	7514 Court St., Bath, Me.	1AGT	Louise T. McMaeter	36 Yale Ave., Wakefield, Mass.
1ACQ	George G. Starkey	800 Water St., Fitchburg, Mass.	1AGU	Thomas P. Hickey	14 Denny St., Worcester, Mass.
1ACR	West End House	45 Chambers St., Boston, Mass.	1AGV	Pertram M. Harrison	14 Auburn St., Everett, Mass.
1ACS	Arthur Weldman	18 Gothland St., Quincy, Mass.	1AGW	M. H. Allen	Waterdown, Mass.
1ACT	Cancelled		1AGX	Robert F. Vance	119 Glen Ave., Newton Center, Mass.
1ACU	Myles W. Brennan	77 Mechanic St., Westbury, R. I.	1AGY	U. E. Duml	Worcester, Mass.
1ACV	Preston D. Baldwin	Granton Long Point, Conn.	1AGZ	Arthur N. Fay	22 Arlington, Chelmsford Falls, Mass.
1ACW	Albert J. Dalton	13 Terrace Ave., New London, Conn.	1AH	John C. Thoresen	43 Moorland Ave., Cranston, R. I.
1ACX	LeRoy M. Webb	20 Taylor Ave., Bethel, Conn.	1AHA	Alfred P. Hall	Main St., Norfolk, Mass.
1ACY	Harry M. Duntan	225 Sawyer St., So. Portland, Me.	1AHB	Sherman R. Thayer	Dublin, N. H.
1ACZ	Raymond L. Orrill	65 High St., Orange, Mass.	1AHC	Lewis C. Adams	5 Hill St., Calais, Me.
1AD	Raymond Bryant	75 N. Cliff St., Ansonia, Conn.	1AHD	Sture A. Olson	35 Hollingsworth St., Lynn, Mass.
1ADA	Charles S. Doe	13 Artwell St., Milton, Mass.	1AHE	Willard O. Eastman	24 Cobb Rd., Bath, Me.
1ADB	Earl C. Sawyer	Hardwick, Vt.	1AHF	Clifford E. Thresher	Newman Ave., Attleboro, Mass.
1ADC	Julius Woolgeey	Rox 284, Fairfield, Conn.	1AHG	George J. Wadleigh	Centersl. Hilsboro, N. H.
1ADD	William R. Gifford, Jr.	York Harbor, Me.	1AHH	S. A. Olson	35 Hollingsworth St., Lynn, Mass.
1ADE	Thomas H. Baldwin, Jr.	Roach Drive, Norwich, Conn.	1AHI	J. May	Millford, Conn.
1ADF	Thomas A. Stevens	79 Union St., Deer River, Conn.	1AHJ	H. R. Delmont	Cliffordale, Mass.
1ADG	Earl G. Ham	118 Brackett St., Portland, Me.	1AHK	Otis B. French	Plimpton Road, Watch Hill, R. I.
1ADH	Hammond H. Hollis	22 Cleveland Ave., Plainfield, Mass.	1AHL	J. B. Whitelaw	North Stonington, Conn.
1ADI	Phillip B. Stearns	71 Pione St., Greenfield, Mass.	1AHL	Donald H. Bliss	12 Dean St., Attleboro, Mass.
1ADJ	Hiram D. Harris	53 William St., New London, Conn.	1AHM	Cancelled June 1st	
1ADK	Thomas H. Kearney	14 Veres Ave., Fairfield, Conn.	1AHN	Edward W. Moore	96 Varrall St., Wollaston, Mass.
1ADL	Charles T. Wilson	35 Millett Road, Swampscott, Mass.	1AHO	Walter Allen	35 Gordon St., West Somerville, Mass.
1ADM	Harold L. Rice	191 Jewett St., Manchester, N. H.	1AHP	Herbert O. Harris	32 Prospect St., Haverhill, Mass.
1ADN	Carl Scheffy	739 School St., West Mansfield, Mass.	1AHQ	Frank Guild	190 Warren St., Allston, Mass.
1ADO	Everett D. Gibbs	128 Prescott St., Clinton, Mass.	1AHR	Ralph W. Stober	1230 Commonwealth Av., Allston, Mass.
1ADP	Edward Shepard	106 Main St., Southington, Conn.	1AHS	H. J. Lefevre	Springfield, Mass.
1ADQ	George W. Tucker	Tariffville, Conn.	1AHT	J. Russell Burdick	22 Park Ave., Westbury, R. I.
1ADR	Roscoe H. McKinney	McLoons Wharf, Rockland, Me.	1AHU	Daniel B. Blechl	56 Warren St., Newton Center, Mass.
1ADS	Cancelled May, 1922		1AHV	C. W. Koehler	Holyoke, Mass.
1ADT	Raymond Newton	Frank St., Burlington, Vt.	1AHW	Carroll C. Moulton	261 Denver St., Springfield, Mass.
1ADU	Paul L. Richards	374 June St., Fall River, Mass.	1AHX	John F. Austin	19 Court St., Dedham, Mass.
1ADV	Warren A. Greenlaw, Jr.	40 Rotoloh St., Melrose Highlands, Mass.	1AHY	Elson P. Dolliver	88 Russell St., Waltham, Mass.
1ADW	Benjamin Brewster	942 High St., Dedham, Mass.	1AHZ	Howard Noyes Dole	27 Columbus Ave., Haverhill, Mass.
1ADX	Emory E. Chapman	702 Newport Ave., Attleboro, Mass.	1AI	Clayton A. Thompson	142 Glenwood St., Lynn, Mass.
1ADY	Horace W. Fuller	Hiller St., Marlton, Mass.	1AIA	Unassigned	
1ADZ	Clarence A. Wineby	6 Lincoln St., Somerville, Mass.	1AIB	Francis B. Hodgdon	127 Langley Rd., Newton Center, Mass.
1AE	Richard F. Shea	Humarock Village, Scituate, Mass.	1AIC	L. V. DeVine	Northampton, Mass.
1AEA	Sumner B. Young	294 Ashmont St., Dorchester, Mass.	1AID	Ralph E. Pierce	Plymouth, Mass.
1AEB	Cancelled June 1st		1AIE	Chandler W. Jones	Palmer Ave., Falmouth, Mass.

1ALF John C. Buchart..... 8 Central Ave., Lakewood, R. I.  
 1AIG Walter Schryer..... 2 Roberts Court, Hartford, Conn.  
 1AIH Roger W. Semons..... 2 Waverly St., Cliftondale, Mass.  
 1AIJ Waiton E. Blake..... Kittery, Me.  
 1AIK Carl W. Lesman..... 27 N. Ashland St., Worcester, Mass.  
 1ALC Cancelled June 1st  
 1ALD Morris Stuckert..... Elm Court, Maynard, Mass.  
 1ALE Nula Wilgren..... Stow, Mass.  
 1ALF Sidney A. Burnett..... 85 Sherman St., Springfield, Mass.  
 1ALG Richard T. Smith..... 15 N. State St., Concord, N. H.  
 1ALH Sidney S. Blake..... 9 Spruce St., Westerly, R. I.  
 1ALI Charles E. Jennings..... Hardwick, Vt.  
 1ALJ Cancelled June 1st  
 1ALK Leopold L. S. Braun..... Assumption Ave., Worcester, Mass.  
 1ALM Sacred Heart Academy..... 636 Broad St., Central Falls, R. I.  
 1ALN Chester L. Warren..... Port Adams, Newport, R. I.  
 1ALO Arthur F. Merz..... 185 Seymour St., Hartford, Conn.  
 1ALP Leonard M. Luther..... 68 Daniels St., Pawtucket, R. I.  
 1ALQ William E. Waitt..... 37 Wilfred St., West Lynn, Mass.  
 1ALR Alfred M. Winchell..... R. F. D. No. 1, Waterbury, Conn.  
 1ALS Edward D. Papke..... 16 Gardner St., Medford, Mass.  
 1ALT H. L. R. Kurth..... 126 Columbia St., Cambridge, Mass.  
 1ALU George J. Etter..... 19 Adams St., Dorchester, Mass.  
 1ALV James Shattuck..... 96 Wheeler St., Brockton, Mass.  
 1ALW Charles S. Burr..... 138 Main St., Manchester, Conn.  
 1ALX Albert Correa..... 56 Thompson St., New Bedford, Mass.  
 1ALY William Crocker..... 577 Putnam Ave., Cambridge, Mass.  
 1ALZ Kenneth B. Woodbury..... 333 Preble St., So. Portland, Me.  
 1AA Charles T. Kerr..... 10 Depot St., Poutney, Vt.  
 1AB John J. O'Connell..... 54 Farren Ave., New Haven, Conn.  
 1AC Alfred C. Blakelee..... 191 Main St., Terryville, Conn.  
 1AD Orel E. Davies..... 301 Main St., Rockland, Me.  
 1AE Leslie A. Harlow..... 3 Mayflower St., Plymouth, Mass.  
 1AF Francis G. Sands..... R. F. D. No. 5, Danbury, Conn.  
 1AG Arthur M. Timlin..... 74 Kirtland St., Lynn, Mass.  
 1AH Colin R. Dunn..... 16 Tolman St., Boston, Mass.  
 1AI Cancelled  
 1AJ N. W. Bishop, Jr..... 301 Park Place, Bridgeport, Conn.  
 1AK William A. Green..... 93 State St., Berlin, N. H.  
 1AL Alfred B. Lovell..... 631 Whittenton St., Taunton, Mass.  
 1AM Clayton E. Brown..... Park Ave., Monson, Mass.  
 1AN Ashby J. Fitzgerald..... 145 Rockwell St., Norwich, Conn.  
 1AO Cancelled by Request June 1st  
 1AP Harry A. Bailey..... 39 Jersey St., Marblehead, Mass.  
 1AQ Haskon Ross..... Holden, Mass.  
 1AR Frank J. McKay..... 1750 Northampton St., Holyoke, Mass.  
 1AS Claude H. Rice..... 35 Silver St., Dover, N. H.  
 1AT Rlenzl B. Parker..... 535 Beacon St., Boston, Mass.  
 1AU Harold C. Bowen..... 168 Belmont St., Fall River, Mass.  
 1AV Austin E. Rowe..... 110 Loring Rd., Winthrop, Mass.  
 1AW Peter T. Curcuavallas..... 451 Essex St., Lynn, Mass.  
 1AX Merrill C. Hobart..... 35 Pearl St., Quincy, Mass.  
 1AY George W. Young..... 36 Merrill St., Hartford, Conn.  
 1AZ Max D. Krelid..... 176 Easton Ave., Waterbury, Conn.  
 1BA Norwich Radio Club..... 51 Broadway, Norwich, Conn.  
 1BB Sylvester K. Heffernan..... 28 1/2 Grove St., Salem, Mass.  
 1BC Cancelled  
 1BD W. K. Coburn..... 15 Powellton Rd., Dorchester, Mass.  
 1BE George H. Carter..... 198 Moody St., Waltham, Mass.  
 1BF Howard C. Maney..... 129 Robinson St., Providence, R. I.  
 1BG Charles N. DeRose..... 289 Elm St., Northampton, Mass.  
 1BH Frank L. Wattendorf..... Billings St., Sharon, Mass. (portable)  
 1BI James M. Hallowell, Jr..... 87 Reservoir Ave., Chestnut Hill, Mass.  
 1BJ Joseph W. Conner..... 26 Oliver St., Malden, Mass.  
 1BK Howard L. Miller..... Forbes St., Burnside, Conn.  
 1BL Stuart V. Letts..... 75 Farragut St., Pawtucket, R. I.  
 1BM Hugh C. D. Pollock..... 15 Whitford St., Pawtucket, R. I.  
 1BN Cancelled  
 1BO William B. Senlor..... 37 Mechanic St., Pawtucket, Conn.  
 1BP Hermon D. Dyke..... 51 Main St., Livermore Falls, Me.  
 1BQ Nathaniel C. Soule..... Reservoir Hill, Houlton, Me.  
 1BR Tolvo Johnson..... Box 143, Euclid St., Gardner, Mass.  
 1BS Stanley Herbeck..... 124 Prospect St., Athol, Mass.  
 1BT John W. Mackenzie..... 524 June St., Fall River, Mass.  
 1BU Andrew Humman..... 62 A St., Gardner, Mass.  
 1BV Guy R. Entwistle..... 137 Sutherland Rd., Brookline, Mass.  
 1BW Henry N. Larson..... 15 Albano St., Roslindale, Mass.  
 1BX Arthur F. Pence..... 29 Russell Ave., Newport, R. I.  
 1BY Arthur M. Robinson..... 47 Montview St., West Roxbury, Mass.  
 1BZ Edwin J. Gates..... 9 Denver Ave., Edgewood, R. I.  
 1CA Stanley W. Preston..... 11 Danville St., West Roxbury, Mass.  
 1CB Mass. Electrical Lab., Inc..... 127 Federal St., Boston, Mass.  
 1CC Richard Warren..... 57 Monmouth St., Brookline, Mass.  
 1CD Bertram F. Pierce..... 188 Main St., Malden, Mass.  
 1CE Thomas F. Conneen..... 38 Deering St., Portland, Me.  
 1CF Harry H. Johnson..... Clark Ave., Short Beach, Conn.  
 1CG G. Emerson Pray..... York St., Poutney, Vt.  
 1CH Laurence M. Harding..... 22 Dean St., Bridgewater, Mass.  
 1CI William A. Sweet..... 8 Willow St., Newport, R. I.  
 1CJ John A. Ecker..... 71 Bloomfield St., Dorchester, Mass.  
 1CK James H. Jones..... 94 Mass. Ave., Boston, Mass.  
 1CL Cancelled  
 1CM Alden B. Dewey..... 76 S. Main St., Reading, Mass.  
 1CN Sherman F. Bassett..... Park St., Harvich, Mass.  
 1CO John E. Booth..... 71 Colton St., Springfield, Mass.  
 1CP Herbert A. Herring..... 68 College Ave., Waterville, Me.  
 1CQ Gaston G. Tardiff..... 102 Knox St., Lewiston, Me.  
 1CR John Howe..... 34 Orange St., Nantucket, Mass.  
 1CS Ernest R. Hood..... 32 Rockincham St., Cambridge, Mass.  
 1CT Richard Drew..... 39 Washington St., Ayer, Mass.  
 1CU Earl M. Hood..... Westboro St. Hosp., Westboro, Mass.  
 1CV Edward Kingsford..... 4 Battery St., Newport, R. I.  
 1CW Fullerton D. Webster..... 12 Hampshire St., Everett, Mass.  
 1CX Howard A. Reffalt..... Orchard St., Shelton, Conn.  
 1CY Squire William Bateman..... 26 Railroad St., Methuen, Mass.  
 1CZ K. C. Ambler..... 10 Shattuck St., Natick, Mass.  
 1DA Howard W. Thornley..... 7 Belmont St., Pawtucket, R. I.  
 1DB Harold J. Henkel..... 19 High St., Yarmouth, Me.  
 1DC Herbert C. Wirt..... 23 Prescott St., Brookline, Mass.  
 1DD Carl D. True..... 8 Elm St., Yarmouthville, Me.  
 1DE Harold J. Morse..... 48 Hebron St., Hartford, Conn.  
 1DF Willard R. Ballou..... 27 Meriden Ave., Southington, Conn.  
 1DG Roger M. Browning..... 221 Maple St., Norwich, Conn.  
 1DH Richard Warren..... Fitzwilliam, N. H.  
 1DI Harry L. Olson..... 6 Union St., E. Greenwich, R. I.  
 1DJ Abraham Bettigole..... 62 Howard St., Springfield, Mass.  
 1DK Gardner B. Pratt..... Grant Ave., Newton Center, Mass.  
 1DL Arthur G. Rydstrom..... 40 Richmond St., West Roxbury, Mass.  
 1DM Paul A. Girard..... 119 Bushnell St., Hartford, Conn.  
 1DN Robert W. Cushman..... Brock Rd., Sharon, Mass.  
 1DO John J. Garmon..... Beach St., Short Beach, Conn.  
 1DP J. P. Olson..... Glendale Road, Sharon, Mass.  
 1DQ Clarence L. Gove..... 39 Allen Ave., Lynn, Mass.  
 1DR Joll Tompkins..... 412 Lafayette St., Salem, Mass.  
 1DS Harrison M. Haskell..... Corvay Hill Home, Brookline, Mass.  
 1DT Henry P. Thomas..... 88 Bay State Road, Boston, Mass.  
 1DU Roxbury Latin School..... Kearsarge Ave., Roxbury, Mass.  
 1DV Ralph H. Sherman..... 42 Taylor Ave., S. Norwalk, Conn.  
 1DW Kendall Clark..... 33 S. Russell St., Boston, Mass.  
 1DX Chelmsford High School..... Chelmsford, Mass.

1ANA Roland B. Bourns..... Chathamport, Mass.  
 1ANB C. T. Smith..... 117 East St., Windsor, Conn.  
 1ANC John A. Knapp..... 28 Northend Ave., Salem, Mass.  
 1AND John E. Fogarty..... 220 Hamilton St., Providence, R. I.  
 1ANE Gerrit Rody..... 70 Cliff St., Maiden, Mass.  
 1ANF Frank Sulloway..... 206 E. Seventh St., So. Boston, Mass.  
 1ANG Henry J. Mallif..... 714 E. Fifth St., South Boston, Mass.  
 1ANH Ansel C. G. Gay..... 72 Oak St., Manchester, N. H.  
 1ANI George H. Allen..... 16 Bacon St., Waltham, Mass.  
 1ANJ Kenneth P. Lewis..... 7 Wellington Ave., Haverhill, Mass.  
 1ANK Beaumont J. Morehouse..... Branchville, Conn.  
 1ANL Paul K. Baker..... 34 Bryant St., Wakefield, Mass.  
 1ANM Henry R. Wengen..... 22 Armory St., Wakefield, Mass.  
 1ANN William R. McDonald, Jr..... 235 High St., South Portland, Me.  
 1ANP William C. Denis..... 200 French St., Lowell, Mass.  
 1ANQ James C. Randall..... 124 Kent St., Hartford, Conn.  
 1ANR Alfred F. Kleindienst..... 59 Emerald Ave., Webster, Mass.  
 1ANS Arthur W. Mayer..... 7 Chestnut Square, Jamaica Pln., Mass.  
 1ANT Alphonse Martin..... Cawley St., Bristol, Conn.  
 1ANU Edwin D. Rosenwald..... 9 Sipple St., Roxbury, Mass.  
 1ANV Harold H. Swain..... 78 First St., Melrose, Mass.  
 1ANW Middlesex School Radio Club..... onond, Mass.  
 1ANX Earl C. Burdick..... 47 Courtland St., Westerly, R. I.  
 1ANY Robert C. Moyer..... 310 Summer Ave., Reading, Mass.  
 1ANZ Stanley R. Parmelee..... 90 Court St., West Haven, Conn.  
 1AO William C. Kohl..... 75 Richard' Rd., Melrose High., Mass.  
 1AOA St. George's School Radio Club..... Newport, R. I.  
 1AOB Elywn Nutt..... 11 High St., Derry, N. H.  
 1AOC Allen P. Wilson..... 307 Bacon St., Waltham, Mass.  
 1AOD John D. Lawlor..... Sycamore St., New Bedford, Mass.  
 1AOE Jerome Freedman..... 1333 Iranistan Ave., Bridgeport, Conn.  
 1AOF Gilbert C. Rich..... Crescent Road, Sharon, Mass.  
 1AOG Donald F. Cuptill..... 3 Park St., Medford, Mass.  
 1AOH A. V. Searst..... 292 Court St., Plymouth, Mass.  
 1AOI G. H. Herriott..... Station 22, Windsor, Conn.  
 1AOJ Richard G. Buzby..... R.F.D. 1, E. Main St., Westfield, Mass.  
 1AOK Warren F. Hupper..... 74 Sargent St., Melrose High., Mass.  
 1AOL Verne A. Hendrickson..... Bantou St., Springfield, Mass.  
 1AOM J. H. Small..... South Harvich, Mass.  
 1AON John H. Gough..... 570 Adams St., Quincy, Mass.  
 1AOO J. G. Parent..... 14 Congress St., Lynn, Mass.  
 1AOP J. H. Johnson..... 40 Vista Ave., Medford, Mass.  
 1AOQ Cancelled  
 1AOR George F. Frazier..... 9 1/2 Center St., Cambridge, Mass.  
 1AOS Everett High School..... Everett, Mass.  
 1AOT Harry Haymond..... 51 Sheldon St., Springfield, Mass.  
 1AOU Ralph P. Day..... W. Millbury, Mass.  
 1AOW A. H. Waltt..... 60 Vernon St., Newton, Mass.  
 1AOX Emil J. Magnot..... 4416 Washington St., Roslindale, Mass.  
 1AOY F. A. Bathrick..... 39 Harvard St., Everett, Mass.  
 1AOZ Sydney Doroff..... 111 Washington Ave., W. Haven, Conn.  
 1AP Oscar A. Korell, Jr..... Depot St., Poutney, Vt.  
 1APA Richard C. Buck..... 62 Prospect St., Thompsville, Conn.  
 1APB Lester S. Thomson..... 44 Linden St., Reading, Mass.  
 1APC R. J. Welch, Jr..... 33 Emerson Rd., Winthrop, Mass.  
 1APD Enfield St., Enfield, Conn.  
 1APE Ellis Spear..... 121 Bishopgate Rd., Newton Ctr., Mass.  
 1APF Deering High School..... 1138 Chapel St., New Haven, Conn.  
 1APG H. R. Graf..... Stevens Ave., Portland, Me.  
 1APH W. A. Femald..... Fort Adams, Newport, R. I.  
 1API Alfred W. Costello..... Norfolk St., Dorchester, Mass.  
 1APJ W. B. Haase..... 187 Fitch St., Westville, Conn.  
 1APK Winthrop O. Gordon..... 58 Pleasant St., Winthrop, Mass.  
 1APL Edwin M. Cleverly..... 15-A Cazenove St., Boston, Mass.  
 1APM G. M. Woodman, Jr..... 826 Main St., Westbrooke, Me.  
 1APN A. G. Dias..... 61 Woodbridge St., New London, Conn.  
 1APO Cancelled  
 1APP Harold F. Calderwood..... 428 Central St., Saugus, Mass.  
 1APQ West Hartford High School..... 9ms St. W., Hartford, Conn.  
 1APR William H. Bestgen..... 315 Billings Rd., Wollaston, Mass.  
 1APS Howard P. Spaulding..... 1716 Central St., W. Stoughton, Mass.  
 1APT Edwin H. Lowell..... 12 Western Ave., Bath, Me.  
 1APU W. F. Moore..... 6 La France St., Springfield, Vt.  
 1APV C. J. Twist..... 102 Prospect St., Norwich, Conn.  
 1APW Howard B. Fleming..... 16 Desmond Ave., Manchester, Mass.  
 1APX Henry Tardiff, Jr..... 135 Mulberry St., Claremont, N. H.  
 1APY Harold A. Ryall..... 5 Winter St., Saugus, Mass.  
 1APZ W. M. Stearns..... 20 Centre St., Watertown, Mass.  
 1QA Carl Johnson..... Fort Williams, Portland, Me.  
 1QAQ Harry Moore..... 52 Lincoln St., Winthrop, Mass.  
 1QAB Robert E. Lodon, Jr..... Norwich, Conn.  
 1QAC W. J. Goodrich..... 162 Jordan Lane, Wethersfield, Conn.  
 1QAD Edward T. O'Donnell..... "B" Derby Court, Roxbury, Mass.  
 1QAE Donald W. Oliver..... 105 Grant St., Lynn, Mass.  
 1QAF W. A. Rida..... 810 Sarin Ave. W., Haven, Conn.  
 1QAG Clarence Deardon..... 727 Sixth St., South Boston, Mass.  
 1QAH H. W. Smith..... Prince St., Lisbon Falls, Me.  
 1QAI Cancelled  
 1QAJ Frank Orchard..... 7 State St., New London, Conn.  
 1QAK Norman J. Padelford..... 9 Allerton Rd., Newton High., Mass.  
 1QAL G. C. Brown..... 14 South St., Eastport, Me.  
 1QAM C. C. Margerum..... 483 Pleasant St., Worcester, Mass.  
 1QAN Edward B. Levine..... 137 Hampshire St., Cambridge, Mass.  
 1QAO T. E. Marchant, Jr..... 281 Poplar St., Roslindale, Mass.  
 1QAP Andrew Peterson..... 37 1/2 Sargent St., Gloucester, Mass.  
 1QAQ H. A. Bernache..... 41 Main St., Florence, Mass.  
 1QAR Walter F. Walsh..... 286 Fellsway, West Medford, Mass.  
 1QAS L. T. Goodrich..... 189 Wolcott Hill Road, Wethersfield, Conn.  
 1QAT W. L. Robbins..... Y. M. C. A., Northampton, Mass.  
 1QAU R. P. Adams..... 160 Cypress St., Providence, R. I.  
 1QAV George Collet..... 115 Armour St., New Bedford, Mass.  
 1QAW R. H. Hammer..... 20 Salem St., Lynn, Mass.  
 1QAX R. W. Brown..... Lyndeboro, N. H.  
 1QAY W. P. Libby, Jr..... 259 Court St., Plymouth, Mass.  
 1QAZ H. D. Brelvogel..... 15 Lunt St., Quincy, Mass.  
 1AR Leon C. Roney..... 49 Fairmont St., Belmont, Mass.  
 1ARA William Potter..... King Caesar Rd., Dunbury, Mass.  
 1ARB E. L. Townsend..... West Baldwin, Me.  
 1ARC Horace K. Hentz..... Willow St., West Harvich, Mass.  
 1ARD George W. Mayo..... 164 Pleasant St., Laconia, N. H.  
 1ARE A. W. Everest..... 15 White Terrace, Pittsfield, Mass.  
 1ARF F. D. White, Jr..... 54 Oxford St., Pittsfield, Mass.  
 1ARG Frederick K. Daggett, Jr..... 107 University Rd., Brookline, Mass.  
 1ARH Kingsley Scott..... 47 Lynde St., Salem, Mass.  
 1ARI Laban H. Whattaker..... 38 Corona St., Dorchester, Mass.  
 1ARJ R. J. Salvas..... 190 Alfred St., Biddeford, Me.  
 1ARK Chester W. Ward..... 2343 Cranston St., Cranston, R. I.  
 1ARL A. McCarthy, Jr..... 1415 Commonwealth Ave., Allston, Mass.  
 1ARM Cancelled  
 1ARN G. F. Leal..... 339 Beacon St., Somerville, Mass.  
 1ARO R. D. Seed..... 10 Gertrude Ave., Worcester, Mass.  
 1ARP Loomis Institute..... Windsor, Conn.  
 1ARQ Donald W. Packard..... Mt. Vernon, N. H.  
 1ARR Mitchell Weiner..... 28 Creston St., Roxbury, Mass.  
 1ARS H. C. Carlin..... 199 S. Botolph St., Boston, Mass.  
 1ART Gorham B. Harper..... 156 Adams St., Milton, Mass.  
 1ARU F. S. Martin..... 106 Hewlett St., Roslindale, Mass.  
 1ARV K. Glennon..... 55 Pearl St., Stoughton, Mass.

1ARW Leroy C. Tasek.....95 Avon Ave., Waterbury, Conn.  
 1ARX A. S. Boynton.....13 Griswold St., Meriden, Conn.  
 1ARY University of Vermont.....Burlington, Vt.  
 1ARZ Cancelled  
 1AS Benjamin B. B. Coleman.....193 Clapp St., Milton, Mass.  
 1ASA H. E. Metcalf.....56 Columbus Ave., Somerville, Mass.  
 1ASB Richard T. Sullivan.....83 Woodland St., Lawrence, Mass.  
 1ASC Frank X. Connolly.....39 Coral Ave., Winthrop, Mass.  
 1ASD Cancelled  
 1ASE Lawrence S. Kidd.....289 Broadway, Lawrence, Mass.  
 1ASF Albert F. Sise.....31 Powder House Rd., Medford, Mass.  
 1ASG Cancelled  
 1ASH Cancelled  
 1ASI Conrad Bell, Jr.....820 Main St., Waltham, Mass.  
 1ASJ Grenville B. Gerrish.....30 Morgan St., Melrose, Mass.  
 1ASK Clifford A. Sill.....46 Houston St., Milton, Mass.  
 1ASL Ray C. Rayner.....10 1/2 Cross St., Norwalk, Conn.  
 1ASM Nathan Cohen.....Jefferson Ave., Chelsea, Mass.  
 1ASN Harold F. Hall.....23 Rogers St., Newton, Mass.  
 1ASO Irving W. Daniels.....25 Marion St., Dedham, Mass.  
 1ASP Ernest E. Brown.....33 Burnside Ave., Somerville, Mass.  
 1ASQ Alan F. Sawyer.....83 Houston Ave., Milton, Mass.  
 1ASR E. A. Thompson.....5 Jackson St., Cliftondale, Mass.  
 1ASU Ann Radio Manufacturing Co.....39 State St., Lynn, Mass.  
 1AST A. Cushing Cutler.....100 Marlboro St., Wollaston, Mass.  
 1ASU Eugene Ripley.....7 Oakland Heights, Cliftondale, Mass.  
 1ASV Malcolm H. Smith.....115 Prospect St., Gloucester, Mass.  
 1ASW Murray D. Folkins.....72 Rackleff St., Portland, Me.  
 1ASX Harold B. Richmond.....73 Harlow St., Arlington, Mass.  
 1ASY Horace Goss.....Box 1, Essex, Conn.  
 1ASZ New Hamp College Radio Club.....Durham, N. H.  
 1AT Jacob Coollhoff.....296 Walnut Ave., Revere, Mass.  
 1ATA Herbert A. Young.....174 Beacon Hill, Lynn, Mass.  
 1ATB Warren Cameron.....109 Third St., Medford, Mass.  
 1ATC Lloyd H. Whitney.....28 William St., Stamford, Conn.  
 1ATD Francis W. Donnell.....Hampton, N. H.  
 1ATE Bernard C. Hoyle.....99 Bedford St., Bath, Me.  
 1ATF A. Edmond Fredette.....71 Chancery St., New Bedford, Mass.  
 1ATG George T. Folster.....10 Gertrude Ave., Worcester, Mass.  
 1ATH Elliott B. Hull.....59 Pitman St., Providence, R. I.  
 1ATI Leonard C. Jensen.....125 Lexington St., Providence, R. I.  
 1ATJ Verden W. Hodge.....227 Main St., Claremont, N. H.  
 1ATK Robert E. Landick.....93 Baker St., Lynn, Mass.  
 1ATL Winchester High School.....Winchester, Mass.  
 1ATM Wallace F. Moore.....284 Bassett St., New Haven, Conn.  
 1ATN Henry Horowitz.....40 Blossom St., Lynn, Mass.  
 1ATO William A. Thomson, Jr.....274 William St., New Haven, Conn.  
 1ATP Walter V. Beane.....854 Dizwell St., New Haven, Conn.  
 1ATQ Harvey Robshaw.....6 Columbia Ave., Rockland, Me.  
 1ATR E. Paul C. Sowdon.....328 Poplar St., Roslindale, Mass.  
 1ATS Clifford E. Johnson.....Brookside Drive, Greenwich, Conn.  
 1ATT Nathan Hale.....675 State St., New Haven, Conn.  
 1ATU Mark L. Sinnicks.....4 Ashland Ave., Manchester, N. H.  
 1ATV Hyman H. Cohen.....200 Orange Ave., New Haven, Conn.  
 1ATW George A. Schofield.....N. Main St., Uxbridge, Mass.  
 1ATX Alvan B. Conway.....116 Division St., Pawtucket, R. I.  
 1ATY Harold Dewing.....205 Camp St., Providence, R. I.  
 1ATZ Carl H. Berner.....60 Elmer St., Hartford, Conn.  
 1AU C. D. Davis.....8 Cedar Court, Wakefield, Mass.  
 1AUA Theodore R. Brown.....138 Hobart St., New Haven, Conn.  
 1AUB Unassigned  
 1AUC Charles Van Amburgh.....635 Boston Ave., Bridgeport, Conn.  
 1AUD Walter Luettgens.....185 Main St., Manchester, Conn.  
 1AUE G. Arthur Knapp.....863 Boston Ave., Bridgeport, Conn.  
 1AUF Milton E. Herb.....1182 Dixwell Ave., New Haven, Conn.  
 1AUG William H. Corson.....643 County St., New Bedford, Mass.  
 1AUH Harry G. Burnett.....16 Windsor Rd., Somerville, Mass.  
 1AUI E. Gobalet.....27 Chatham St., Worcester, Mass.  
 1AUJ Cancelled  
 1AUK Cancelled  
 1AUL Leslie J. Clark.....North Andover, Mass.  
 1AUM Cancelled  
 1AUN Chester Peterson.....274 Poplar St., Roslindale, Mass.  
 1AUO Guild Crocker.....103 Dudley St., Medford, Mass.  
 1AUP Cancelled  
 1AUQ Edwin A. Wiggins.....258 High St., Berlin, N. H.  
 1AUR Cancelled  
 1AUS Cancelled  
 1AUT Francis Johnson.....298 K St., S. Boston, Mass.  
 1AUV George I. Pierce.....332 Bay St., Springfield, Mass.  
 1AUW Horace R. Dyson.....7 Pomona St., Springfield, Mass.  
 1AUX Stanley O. Reed.....366 Townsend Ave., New Haven, Conn.  
 1AUY Cancelled  
 1AUZ Joseph L. Cassell.....3 Rostone Place, Pittsfield, Mass.  
 1AV Alfred Teachman.....757 Grove St., Woonsocket, R. I.  
 1AVA Cumming & Frost.....Potomac Ave., Sound Beach, Conn.  
 1AVB Cancelled  
 1AVC Cancelled  
 1AVD Joseph F. Furey.....1 Magnolia St., Hartford, Conn.  
 1AVE Kenneth G. Price.....18 Marlon Rd., Matapoisett, Mass.  
 1AVF Cancelled  
 1AVG John F. Davenport.....24 Delford St., Quincy, Mass.  
 1AVH John A. McCarthy.....42 Moseley St., Dorchester, Mass.  
 1AVI Atherton Noyes, Jr.....134 Brattle St., Cambridge, Mass.  
 1AVJ Cancelled  
 1AVK Louis Richmond.....40 Hawthorne St., Manchester, Conn.  
 1AVL Cancelled  
 1AVM Harold V. Wyman.....97 Hayden Rowe St., Hopkinton, Mass.  
 1AVN Stanley McNeilly.....13 Elm St., Winchester, Mass.  
 1AVO John Benereuto.....87 Homestead St., N. Manchester, Conn.  
 1AVP Cancelled  
 1AVQ Harold Chamberlain.....27 Hudson St., Hartford, Conn.  
 1AVR Robert Ford.....9 Riedesel Ave., Cambridge, Mass.  
 1AVS W. Theodore Nesbitt.....13 Wellington St. Methuen, Mass.  
 1AVT Cancelled  
 1AVU Cancelled  
 1AVV Cancelled  
 1AVW Carlton Weldenhammer.....1274 Park Ave., Bridgeport, Conn.  
 1AVX Cancelled  
 1AVY George D. Rogers.....39 Winsor St., New Bedford, Mass.  
 1AVZ Lester L. Barlow.....37 Autumn St., Bridgeport, Conn.  
 1AW H. P. Maxim.....276 N. Whitney St., Hartford, Conn.  
 1AWA Earl R. Gilbert.....10 Eulita Terrace, Brighton, Mass.  
 1AWB Stalo Martino.....Merritt Ave., Woodbridge, Conn.  
 1AWC Cancelled  
 1AWD Albert R. Pierce, Jr.....139 Orchard St., New Bedford, Mass.  
 1AWE Norman H. Miller.....25 Phillips St., Providence, R. I.  
 1AWF George E. Forant.....167 Savin Hill Ave., Dorchester, Mass.  
 1AWG Charles Dwyer.....14 Cranston Ave., Newport, R. I.  
 1AWH Cancelled  
 1AWI Lewis J. Smith.....9 Washington St., Norwich, Conn.  
 1AWJ Cancelled  
 1AWK Dante Antonelli.....7 Oxford Park, Revere, Mass.  
 1AWL Laurence Burns.....65 Revere St., Revere, Mass.  
 1AWM James T. Butler.....36 Bishop St., New Haven, Conn.  
 1AWN Cancelled  
 1AWO Joseph LeValley.....Pascoaz, R. I.  
 1AWP Richard W. Pratt.....120 Main St., Hingham, Mass.  
 1AWQ Cancelled

1AWR Warren Tyler.....24 Park Ave., Wakefield, Mass.  
 1AWS J. S. Dodge.....King St., Littleton, Mass.  
 1AWT Cancelled  
 1AWU Cancelled  
 1AWV Cancelled  
 1AWW Theophilus F. Cushing.....78 College St., Springfield, Mass.  
 1AWX Charles D. Colman, Jr.....64 Hanson St., Rochester, N. H.  
 1AWY Cancelled  
 1AWZ Cancelled  
 1AX J. A. Campbell.....9 Fairlee St., Somerville, Mass.  
 1AXA Ernest Mathers.....146 Warren Ave., Milton, Mass.  
 1AXB Hayward Mann.....86 Pleasant St., Wakefield, Mass.  
 1AXC Edward Hamlin, Jr.....Marion, Mass.  
 1AXD George F. Yarnold.....96 W. Newton St., Boston, Mass.  
 1AXE Roger Strout.....6 Potter St., Brunswick, Me.  
 1AXF Nestor W. Stolba.....252 Lexington Ave., Cambridge, Mass.  
 1AXG Donald L. Gibos.....185 Hunnewell Ave., Newton, Mass.  
 1AXH Cancelled  
 1AXI Walfrid L. Olsson.....School St., Chelmsford, Mass.  
 1AXJ Dayton S. Hedges.....330 Norton St., New Haven, Conn.  
 1AXK Stanley K. Dimock.....72 King St., Springfield, Mass.  
 1AXL Cancelled  
 1AXM Henry Kullowski.....483 Main St., Ansonia, Conn.  
 1AXN Cancelled  
 1AXO Cancelled  
 1AXP Richard H. Nagle, Jr.....35 Falmouth St., Boston, Mass.  
 1AXQ Carl T. Chase.....Kennebunkport, Me.  
 1AXR Cancelled  
 1AXS Harrison L. Dow.....61 Oliver St., Rockland, Me.  
 1AXT Cancelled  
 1AXU Cancelled  
 1AXV Stanley F. Wade.....52 Pleasant St., Stoughton, Mass.  
 1AXW Clarence J. Bechstedt.....9 Middle St., Bristol, Conn.  
 1AXX Francis Stanga.....28 Bickerstaff St., Boston, Mass.  
 1AXY Cancelled  
 1AXZ Stanley A. Willard.....31 Raymond St., Everett, Mass.  
 1AY Eimer Branch.....West Mystic, Conn.  
 1AYA Cancelled  
 1AYB Cancelled  
 1AYC Cancelled  
 1AYD Charles B. McKeen.....Amherst Ave., Waltham, Mass.  
 1AYE Cancelled  
 1AYF Cancelled  
 1AYG Cancelled  
 1AYH Cancelled  
 1AYI Walter H. Boynton.....32 Rockland St., West Roxbury, Mass.  
 1AYJ Herbert N. Hills.....34 River St., Sanford, Me.  
 1AYK Henry S. Smith.....Cape Elizabeth, Me.  
 1AYL Cancelled  
 1AYM Cancelled  
 1AYN Cancelled  
 1AYO Cancelled  
 1AYP Cancelled  
 1AYQ Arthur C. Reeve.....1355 Fairfield Ave., Bridgeport, Conn.  
 1AYR Cancelled  
 1AYS Cancelled  
 1AYT Guy A. Phillips.....30 Reed St., New London, Conn.  
 1AYU George W. Smith.....23 Pleasant St., Lawrence, Mass.  
 1AYV Cancelled  
 1AYW Unassigned  
 1AYX Edward J. Duffney.....131 Geddes Terrace, Waterbury, Conn.  
 1AYY Arthur A. Leonard.....4 Maher Ave., Greenwich, Conn.  
 1AZ George U. Read.....62 Yale St., Springfield, Mass.  
 1AZA Dean H. Holden....."Woodleigh," Blue Hill, Me.  
 1AZB James A. Cheetham.....70 Wallace Ave., Fitchburg, Mass.  
 1AZC Dana C. Sanborn.....560 Union St., New Bedford, Mass.  
 1AZD Clement K. Heberle.....75 Western Ave., Gloucester, Mass.  
 1AZE Cancelled  
 1AZF William A. Somerby.....142 Church St., Newton, Mass.  
 1AZG Cancelled  
 1AZH Joseph C. Saunders.....46 Washington Park, Newtonville, Mass.  
 1AZI Charles M. Butler.....70 Arlington St., Hyde Park, Mass.  
 1AZJ Cancelled  
 1AZK Donald H. Learned.....46 Franklin St., Fall River, Mass.  
 1AZL Charles C. Butler, Jr.....18 Abbott St., Wellesley, Mass.  
 1AZM Howard E. Cosman.....17 Bond St., Fitchburg, Mass.  
 1AZN Cancelled  
 1AZO Robert N. Hird, Jr.....20 Maple St., Plainville, Conn.  
 1AZP Richard B. Waterhouse.....Main St., Bourne, Mass.  
 1AZQ Unassigned  
 1AZR Cancelled  
 1AZS Cancelled  
 1AZT Cancelled  
 1AZU Westinghouse Electric & Mfg. Co. 12 Farnsworth St., Boston, Mass.  
 1AZV Frederick M. Bremner.....R.F.D. 1, Box 292, Wilton, N. H.  
 1AZW Herant Toumanjanian.....16 Finley Place, Newport, R. I.  
 1AZX Unassigned  
 1AZY Corliss B. Gardner.....10 Broadrock St., Peace Dale, R. I.  
 1BA Unassigned  
 1BA1 Arthur W. Ferguson.....52 Linden St., Everett, Mass.  
 1BA2 Carroll T. Downes.....43 Harvard Ave., West Medford, Mass.  
 1BA3 Everett E. Zissell.....228 Berkshire Ave., Bridgeport, Conn.  
 1BAC Unassigned  
 1BAD Charles W. Smith.....29 Devens St., Greenfield, Mass.  
 1BAE May L. Smith.....724 Maple St., Manchester, N. H.  
 1BAF Unassigned  
 1BAG Frederic L. Stafford.....37 Madison St., Hartford, Conn.  
 1BAH LeBaron B. Colt.....Main St., Norwich, Vt.  
 1BAI Charles G. Baker.....63 North St., Georgetown, Mass.  
 1BAJ Gilbert R. Osborne.....26 Haviland St., Boston, Mass.  
 1BAK George F. Burton.....15 Sumner Ave., Roslindale, Mass.  
 1BAL Chester M. Day.....44 Bates Rd., Watertown, Mass.  
 1BAM Rainh H. Hutchins.....152 Spring St., Watertown, Mass.  
 1BAN K'illian W. R. Lansingh.....18 Abbott St., Wellesley, Mass.  
 1BAO James E. Glynn.....965 Plymouth Ave., Fall River, Mass.  
 1BAP Unassigned  
 1BAQ Unassigned  
 1BAR Unassigned  
 1BAS Paul S. Hill, Jr.....334 Main St., Saco, Me  
 1BAT Fisher Hills.....84 High St., Saco, Me  
 1BAU Marlon B. Williams.....1127 Commonwealth Ave., Boston, Mass.  
 1BAV Unassigned  
 1BAW Unassigned  
 1BAX Unassigned  
 1BAZ Unassigned  
 1BB Tremaine Electric Co.....City Hall Square, Brockton, Mass.  
 1BB1 Stewart Perry.....38 Pleasant St., Winthrop, Mass.  
 1BB2 Unassigned  
 1BB3 Unassigned  
 1BB4 Lahan Snow, Jr.....Harwichport, Mass.  
 1BB5 Unassigned  
 1BB6 Unassigned  
 1BB7 Unassigned  
 1BB8 Unassigned  
 1BB9 Unassigned  
 1BBB Edward F. Surette.....Clematis Road, Medford, Mass  
 1BBK Unassigned  
 1BBL Unassigned





1BLC Edward F. Brennan.....147 Broadway, Taunton, Mass.  
 1BLD Unassigned  
 1BLE Harold B. McNamara.....23 Alpine St., Arlington, Mass.  
 1BLF William J. Everts, Jr.....172 Howard St., New London, Conn.  
 1BLG Edgar Stewart.....23 Edith St., Everett, Mass.  
 1BLH Unassigned  
 1BLI Unassigned  
 1BLJ Reginald C. Carles.....77 Harriet St., South Portland, Me.  
 1BLK Malcolm P. Bergmann.....50 Jacques St., Somerville, Mass.  
 1BLL Dana Bacon.....1987 Wash. St., E. Bridgewater, Mass.  
 1BLM Francis H. Appleton, 3d.....1572 Beacon St., Brookline, Mass.  
 1BLN Royal Weller.....86 Broad St., Westfield, Mass.  
 1BLO Roswell C. Hamilton.....Windham, Me.  
 1BLP George V. Killeen.....Montville, Conn.  
 1BLQ Joseph Wesolanski.....97 River St., West Lynn, Mass.  
 1BLR George W. Beckwith.....113 Blackhall St., New London, Conn.  
 1BLS Unassigned  
 1BLT Frank Sacco.....16 Boardman St., East Boston, Mass.  
 1BLU Ralph S. Gross.....81 Belvidere Ave., Springfield, Mass.  
 1BLV William J. Wiyak.....45 Pine St., Seymour, Conn.  
 1BLW Henry E. Stickney.....103 North St., Somerville, Mass.  
 1BLX E. A. Turner.....Southboro Road, Easthampton, Me.  
 1BLY Joseph Moaro.....72 Cherry St., Springfield, Mass.  
 1BLZ Unassigned  
 1BM E. Nichols.....60 Benham Ave., Bridgeport, Conn.  
 1BMA Joseph A. Croix.....85 Harrison St., Bristol, Conn.  
 1BMB Clifford Rand.....3 Parker St., Everett, Mass.  
 1BMC Gordon H. Needham.....117 Pearl St., Clinton, Mass.  
 1BMD Unassigned  
 1BME Horace Wilcox.....180 Main St., Wakefield, R. I.  
 1BMF Frank E. McMaster.....BillERICA St., Chelmsford, Mass.  
 1BMG Edward G. Card.....204 Howe Ave., Shelton, Conn.  
 1BMH Newton C. Hawley.....7 Edwards St., Hartford, Conn.  
 1BMI Paul S. Willard.....124 N. Main St., Rutland, Vt.  
 1BMJ Lester F. MacRae.....121 Kensington Ave., Springfield, Mass.  
 1BMK Elliott A. White.....The Parker, N. Pk. St., Hanover, N.H.  
 1BML Unassigned  
 1BMM Unassigned  
 1BMN William G. Lowe.....69 Broadway, Arlington, Mass.  
 1BMO Joseph D. Ogle.....8 Preston Court, Dorchester, Mass.  
 1BMP Frederic W. McCall.....16 Greenwood Park, Dorchester, Mass.  
 1BMQ Forest S. Hammond.....12 Cushing St., Salem, Mass.  
 1BMR Unassigned  
 1BMS Thomas L. Hannon.....33 Vermont St., Waterbury, Conn.  
 1BMT John J. Myerson.....301 Sittman St., Bridgeport, Conn.  
 1BMU George H. Johnson.....62 Miner St., Providence, R. I.  
 1BMV Eddy M. Woodruff.....229 Summit St., E. Providence, R. I.  
 1BMW Albert L. Chesbro.....291 Maple St., Fall River, Mass.  
 1BMX William Rauha.....99 West St., Worcester, Mass.  
 1BMY Gerald H. Edson.....158 Barker St., Hartford, Conn.  
 1BMZ Elwood O. Gray.....25 Pearl St., Leominster, Mass.  
 1BN William A. Juscuso.....47 Day St., Ansonia, Conn.  
 1BNA Bunker Hill Bows Club.....15 Green St., Charlestown, Mass.  
 1BNB Chester E. Lindstrom.....Jordan Lane, Wethersfield, Conn.  
 1BNC Joseph E. Coker.....Cape Elizabeth, South Portland, Me.  
 1BND Roland M. Archibald.....10 Garfield Ave., Medford, Mass.  
 1BNE Robert O. MacKinnon.....11 Sherman St., Pawtucket, R. I.  
 1BNF Steven Sieglinski.....26 Lozier Ave., Westfield, Mass.  
 1BNG Theodore Taylor.....167 Salisbury Rd., Brookline, Mass.  
 1BNH Joseph Smith.....84 Swift St., New Bedford, Mass.  
 1BNI Harold A. Hutchinson.....33 Columbia St., Houlton, Me.  
 1BNJ Marshall L. White.....913 Washington St., Bath, Me.  
 1BNK Clifton W. Kemp.....5 Garden St., Concord, N. H.  
 1BNL Clarence B. Kelley.....374 Beach St., Saco, Me.  
 1BNM Emery W. Lincoln.....Lincoln Ave., North Dighton, Mass.  
 1BNN Charles J. Regan.....19 Atkinson St., Lynn, Mass.  
 1BNO Hugh C. Knight.....132 Melrose St., Melrose, Mass.  
 1BNP Cancelled June 1st  
 1BNQ Charles G. Loyot.....29 Fifth St., Waterbury, Conn.  
 1BNR Joseph Morris.....2 Stanton Court, New Bedford, Mass.  
 1BNS Earl Lockhart.....53 Edendefield St., Watertown, Mass.  
 1BNT Walter S. Blake.....50 Putnam St., Somerville, Mass.  
 1BNU William L. Hilleby.....28 Brantwood St., Allston, Mass.  
 1BNV William M. Robb.....Hardwick, Vt.  
 1BNW Chester A. Crosby.....Bridge St., Osterville, Mass.  
 1BNX Frederick Chick.....148 Galen St., Watertown, Mass.  
 1BNY Elmer Littlefield.....66 Marshall St., Somerville, Mass.  
 1BNZ Karl E. Wilson.....Middlesex Ave., N. Wilmington, Mass.  
 1BO Clinton H. Turner.....Haverhill St., North Reading, Mass.  
 1BOA William V. Canham.....237 Blake St., New Haven, Conn.  
 1BOB Andrew M. Johnson, Jr.....6 Kneen St., Shelton, Conn.  
 1BOC Maurice M. Flynt.....Old Point Ave., Madison, Me.  
 1BOD Manuel Costa, Jr.....35 McNamee St., New Bedford, Mass.  
 1BOE Clarence Billings.....East Road, Southport, Conn.  
 1BOF Angelus R. Bracciale.....Tomson Ave., Grovenordale, Conn.  
 1BOG Lloyd Manue.....169 Thames St., Newport, R. I.  
 1BOH George W. Riddle.....15 George St., Milford, N. H.  
 1BOI Harold Kaulback.....245 Brigham St., Hudson, Mass.  
 1BOJ Ellis Grant.....50 High St., Houlton, Me.  
 1BOK Bartlett B. Bradley.....Alden St., Duxbury, Mass.  
 1BOL J. Percy Lee.....2 Dike Road, Bath, Me.  
 1BOM Dana L. Darling.....19 Maple St., Greenfield, Mass.  
 1BON Ellis G. Holden.....44 Pearl St., Leominster, Mass.  
 1BOO Unassigned  
 1BOP Talcott M. Banks, Jr.....61 Main St., Williamstown, Mass.  
 1BOQ Hotchkiss Radio Club.....Lakerville, Conn.  
 1BOR Louis S. Kats.....179 Chambers St., Boston, Mass.  
 1BOS Kendall Emerson, Jr.....56 William St., Worcester, Mass.  
 1BOT Francis L. Stanley Co.....302 Essex St., Salem, Mass.  
 1BOU Francis X. Adams.....463 Summer St., Lynn, Mass.  
 1BOV Guy E. Beardsley, Jr.....153 Oxford St., Hartford, Conn.  
 1BOW William Fliske.....39 Tilton Terrace, Lynn, Mass.  
 1BOY Frank C. Passett.....Main St., Poulney, Vt.  
 1BOZ Heney C. Aspinall.....18 Cambridge St., Ayer, Mass.  
 1BP John H. Mills.....922 Massachusetts Av., Cambridge, Mass.  
 1BP F. W. Osborn.....21 Highland St., Marlboro, Mass.  
 1RPA Eldridge B. George.....Northboro, Mass.  
 1RPB Unassigned  
 1RPC Donald B. Brown.....68 Greene St., Pawtucket, R. I.  
 1RPD William Street.....41 Mall St., Lynn, Mass.  
 1RPE Oscar C. Jacoby.....2178 Fairfield Ave., Bridgeport, Conn.  
 1RPF Victor F. Henset, Jr.....20 Henderson St., Arlington, Mass.  
 1RPG Joseph C. Doyle.....41 Ditson St., Dorchester, Mass.  
 1RPH Sidney M. Hay.....12 Forrester St., Salem, Mass.  
 1RPI Unassigned  
 1RPJ Fred H. Fay.....East Hardwick, Vt.  
 1RPK Ronald Reid.....Wilder, Vt.  
 1RPL Donald MacNab.....88 Dartmouth St., Everett, Mass.  
 1RPM James A. Clarkson.....41 Tng St., Newburyport, Mass.  
 1RPN William Christian.....60 Fourth St., Waterbury, Conn.  
 1RPO Francis E. Berry.....29 Fifth St., Lowell, Mass.  
 1RPP Richard X. Daly.....1 Fairfield Place, Boston, Mass.  
 1RPQ Arthur C. O'Day.....134 Lowell St., Somerville, Mass.  
 1RPR George S. Holly.....649 Massachusetts Av., Cambridge, Mass.  
 1RPS Raymond C. Blanchard.....10 Forrest Pl., North Attleboro, Mass.  
 1RPT Theodore W. Hauver.....56 Fairbanks St., Brighton, Mass.  
 1RPU Unassigned  
 1RPV Carlton E. Littlefield.....117 Mynd St., Norwood, Mass.  
 1RPW Raymond T. Voegelin.....124 Geddes Terrace, Waterbury, Conn.  
 1RPX Henry L. Carroll.....65 Fountain St., Medford, Mass.

1BPY Laurence R. Goodnow.....Lunenburg, Mass.  
 1BPZ Bradford W. Thompson.....Box 60, Duxbury, Mass.  
 1BQA Unassigned  
 1BQB Thomas N. Roche.....279 County St., New Bedford, Mass.  
 1BQC L. S. Brigham.....56 College St., Montpelier, Vt.  
 1BQD Unassigned  
 1BQE George N. Mathewson.....39 Rhode Island Ave., Newport, R. I.  
 1BQF Alden C. Eldridge.....Everett St., Bourne, Mass.  
 1BQG Everett J. McMerriman.....137 Pierce St., Lewiston, Me.  
 1BQH Aldei J. Bariteau.....288 Cedar Grove St., N. Bedford, Mass.  
 1BQI Dean A. Lyon.....64 Cottage St., Leominster, Mass.  
 1BQJ Alvin R. Levitt.....13 Grant St., Natick, Mass.  
 1BQK John M. Wells.....St. Paul's School, Concord, N. H.  
 1BQL Chester S. Mason.....10 Parkman St., Westboro, Mass.  
 1BQM C. P. Howe.....Mt. View Park, Cape Elizabeth, Me.  
 1BQN Matthew F. D'Arcangelo.....62 South Ave., Whitman, Mass.  
 1BQO Willard A. Staten.....19 Pickman St., Salem, Mass.  
 1BQP Charles Silver.....High School, Revere, Mass.  
 1BQQ Edward F. Roscoe, Jr.....5 Rostone Place, Pittsfield, Mass.  
 1BQR George E. Howe.....42 Union St., Mansfield, Mass.  
 1BQS Walter L. Campbell.....113 School St., Greenfield, Mass.  
 1BQT Joseph B. Dusak.....125 Heywood St., Worcester, Mass.  
 1BQU William S. Allen.....Corsette, R. I.  
 1BQV David A. Colwell.....400 Lattinville St., Lawrence, Mass.  
 1BQW Ralph S. Whittier.....Mechanic St., Rockport, Me.  
 1BQX Perley E. Woodman.....63 School St., Auburn, Me.  
 1BQY Charles E. Sprague.....Stetson Ave., Duxbury, Mass.  
 1BQZ Edward W. Baker.....14 Thirteenth St., Lowell, Mass.  
 1BR Edward B. Griswold.....216 Irvington St., New Bedford, Mass.  
 1BR Geo. A. Crofts.....89 Poplar St., Bangor, Me.  
 1BRA N. G. Herreshoff, Jr.....142 Hope St., Bristol, R. I.  
 1BRB Raymond G. McCarthy.....27 Central Square, Brockton, Mass.  
 1BRC Hastings Goodrich.....Ipswich Rd., West Boxford, Mass.  
 1BRD Arthur F. Cook.....16 Henderson St., Arlington, Mass.  
 1BRE Robert B. Sawyer.....80 Gainsboro St., Boston, Mass.  
 1BRF James T. Follower.....114 Chapel St., Norwood, Mass.  
 1BRG Harry R. Burton.....15 Cascade Rd., Worcester, Mass.  
 1BRH Leonard Terwilliger.....2 Gold St., Westfield, Mass.  
 1BRI Raymond E. Boardman.....80 W. Central St., Natick, Mass.  
 1BRJ Bennington Y. M. C. A.....Beimington, Vt.  
 1BRK Unassigned  
 1BRL Charles W. Wight.....17 Ridgewood Place, Bridgeport, Conn.  
 1BRM Raymond E. Andrews.....61 Howard St., Pittsfield, Mass.  
 1BRN Walter H. Hahn.....111 Kennedy St., Fall River, Mass.  
 1BRP George Talcott.....Williston, Vt.  
 1BRQ John B. Coloski.....183 Exchange St., New Haven, Conn.  
 1BRR Unassigned  
 1BRS Frederick W. Nute.....South St., Hyannis, Mass.  
 1BRT Gustav G. Stark.....101 St. James Ave., Boston, Mass.  
 1BRU Davis Crittenden.....South Swansea, Mass.  
 1BRV Samuel R. Robinson, Jr.....46 Main St., South Kingstown, R. I.  
 1BRW Unassigned  
 1BRX Carl C. Spafford.....3 Brookline Ave., Bloomfield, Conn.  
 1BRY George E. Munroe.....106 Pleasant St., Auburn, Me.  
 1BRZ Theodore F. Von Hagen.....Elm St., Peterboro, N. H.  
 1BS Orlando F. Snow.....Bridge St., Orleans, Mass.  
 1BS Louis F. Eaton.....210 Ash St., Brockton, Mass.  
 1BSA John F. McKeever, Jr.....Riversville Rd., Glenville, Conn.  
 1BSB D. M. Hood & J. F. Copplinger.....743 Robeson St., Fall River, Mass.  
 1BSC Morris Dublin.....821 Brewster St., Bridgeport, Conn.  
 1BSD Earl R. Louquist.....68 Martin St., East Providence, R. I.  
 1BSE George E. Morgan.....44 Summer St., Dover, N. H.  
 1BSF Fred F. Flanders.....52 Washington St., Eastport, Me.  
 1BSG Ransom H. Willard.....Bethel, Vt.  
 1BSH Charles M. Gates.....196 Wash. St., Wellesley Hills, Mass.  
 1BSI Carroll S. Fisher.....15 Walnut St., Somerville, Mass.  
 1BSJ Isalah Creaser.....76 Cortland St., Springfield, Mass.  
 1BSK Edgar E. Gaudet.....8 Albany St., Lynn, Mass.  
 1BSL Raymond B. Talbot.....Clark St., Somerset, Mass.  
 1BSM Thomas P. Marble.....36 Main St., Somerset, Mass.  
 1BSN Ainsley W. Dingwell.....12 Royal St., Wollaston, Mass.  
 1BSO Allen W. Edson.....349 Washington St., Abington, Mass.  
 1BSP Kirk E. Smith.....300 Park St., West Springfield, Mass.  
 1BSQ Paul Morales.....22 Ash St., Bridgeport, Conn.  
 1BSR Gilbert F. Williams.....156 West Ave., Bridgeport, Conn.  
 1BSS John J. Burns.....366 Ferry St., New Haven, Conn.  
 1BST Karl A. Steady.....154 High St., Berlin, N. H.  
 1BSU Leo R. Johnson.....72 Pearl Ave., Beachmont, Mass.  
 1BSV Clarence Somerset.....70 Crescent St., Lawrence, Mass.  
 1BSW Joseph G. Chaffee.....11 Howe Place, Woodmont, Conn.  
 1BSX Maurice J. Whitten.....193 Charles St., Flteburgh, Mass.  
 1BSY Homer C. Batchelor.....309 Seaver St., Stoughton, Mass.  
 1BSZ Stuart H. Nichols.....22 Union St., Greenfield, Mass.  
 1BT C. T. Caswell.....106 Franklin St., Framingham, Mass.  
 1BTA Clarence E. Janson.....26 Putnam Ave., Lowell, Mass.  
 1BTB Charles M. Galinger.....37 Clement Ave., Peabody, Mass.  
 1BTC Charles G. Castle.....37 Anoka St., Lynn, Mass.  
 1BTD Harold N. Wagar.....Mt. Hermon, Mass.  
 1BTE Donald W. Drew.....41 Hough St., Dover, N. H.  
 1BTF William G. Morrison.....R. F. D. No. 3, Dover, N. H.  
 1BTG Wilbur H. Stone.....87 Atlantic Ave., Old Orchard, Me.  
 1BTH Charles E. Aldrich.....183 Lloyd St., New Haven, Conn.  
 1BTI Unassigned  
 1BTJ John H. Marshall.....Crow Point, Hingham, Mass.  
 1BTK Chester F. Kingsley.....75 Alden Square, Bridgewater, Mass.  
 1BTL W. Allen Taft.....25 Quindic St., Waban, Mass.  
 1BTM Unassigned  
 1BTN Henry A. McAvoy.....338 Orchard St., New Bedford, Mass.  
 1BTO Richmond L. Rutherford.....York Village, Me.  
 1BTP Ernest J. Gracey.....34 Grace St., Hartford, Conn.  
 1BTQ Frank M. McLaughlin.....Norridgewock, Me.  
 1BTR Robert D. Russell.....Grove St., Needham, Mass.  
 1BTS William Greenough.....157 Prospect St., Wakefield, Mass.  
 1BTT Lloyd F. Rockwell.....372 Beach St., Saco, Me.  
 1BTV Harold W. Birk.....449 Main St., South Manchester, Conn.  
 1BTW Ernest Poirier.....486 Western Ave., Lynn, Mass.  
 1BTX Roland L. Zotta.....196 Merrimack St., Lowell, Mass.  
 1BTA Edward E. White.....120 Chestnut St., Lynn, Mass.  
 1BTY Irving N. Blackburn.....5 Lourell St., Woburn, Mass.  
 1BTZ Robert W. Ayer.....11 Lake Terrace, Newton, Conn. Mass.  
 1BU C. R. Stevens.....6 Winter St., Framingham Ctr., Mass.  
 1BUA Alan E. Evans.....5 Moorland St., Williamstown, Mass.  
 1BUB Fred A. Dame.....Central St., Kittery, Me.  
 1BUC Cancelled  
 1BUD Herman S. Woods.....Grove St., Peterboro, N. H.  
 1BUE Wilfred Hardman.....116 Lincoln St., Lowell, Mass.  
 1BUF Unassigned  
 1BUG Charles H. Colt, Jr.....North St., Litchfield, Mass.  
 1BUH Donald A. Benjamin.....57 Washin'on St., Chicopee Falls, Mass.  
 1BUI Arthur Cyr.....446 E. Main St., Fall River, Mass.  
 1BUJ Bayden P. Taylor.....394 Central St., Central Falls, R. I.  
 1BUL Herbert St. Laurent.....73 Harrison St., Providence, R. I.  
 1BUM Julian L. McKenzie.....52 Elm St., Westery, R. I.  
 1BUN Charles E. Thurston.....78 Charlotte St., Worcester, Mass.  
 1BUO Howard O. Cushing.....16 Hamilton St., Providence, R. I.  
 1BUP Emil F. Karklin.....2261 Center St., West Roxbury, Mass.  
 1BUQ John Mitchell.....Middletown, Conn.  
 1BUR John Braga.....463 N. Underw'd St., Fall River, Mass.  
 1BUS Ricard W. Hannah.....93 Westminster St., Arlington, Mass.  
 George F. Wilson.....50 Howard St., Everett, Mass.

1BUT Willis R. Still.....24 Brooks St., Brighton, Mass.  
1BUU Charles S. Harding.....7 Revere St., Haverhill, Mass.  
1BUV Samuel Meeker.....32 Blaine St., Westboro, Mass.  
1BUW Herbert W. Wheeler.....65 Geneva Av., Bridgeport, Conn.  
1BUX Orville T. Wood.....17 Berendo St., Springfield, Mass.  
1BUZ William S. Bosworth.....6 Viking Terrace, Worcester, Mass.  
1BV Oscar Adamson.....8 Park Ave., Naugatuck, Conn.  
1BV L. G. Cumming.....83 Marlboro St., Boston, Mass.  
1BVA Unassigned  
1BVB Donal E. Faucher.....Westerly, R. I.  
1BVC John C. Pavo.....463 N. Underwd St., Fall River, Mass.  
1BVD William P. White.....6 Clinton Ave., Newport, R. I.  
1BVE John Rollinson.....27 Kenyon Ave., Wakefield, R. I.  
1BVF Clarence C. Waldrip.....51 Neptune St., Lynn, Mass.  
1BVG M. Maguire Everet.....Woodford, Me.  
1BVH Laurence Pehsinden.....110 Brooks St., West Medford, Mass.  
1BVI Carl E. Dahlstrom.....9 Gross Court, Lynn, Mass.  
1BVJ Clarence B. Hicass.....23 Main St., South Wellfleet, Mass.  
1BVK George F. Cook.....89 Cottage St., Franklin, Mass.  
1BVL Richard S. Briggs.....108 King St., Dorchester, Mass.  
1BVM Unassigned  
1BVN Milton C. Sullivan.....21 Haseltine St., Bradford, Mass.  
1BVO Harold O. Birby.....95 Hillside St., Arlington, Mass.  
1BVP William L. Ackroyd.....4 Conant Place, Boston, Mass.  
1BVQ Charles W. Spencer, Jr.....39 Cliftwood St., Springfield, Mass.  
1BVR Percy C. Noble.....37 Broad St., Westfield, Mass.  
1BVS Howard F. Anderson.....52 Field St., Torrington, Conn.  
1BVT Raymond M. Knight.....Seamens Rd., New London, N. H.  
1BVU Stuart W. Culver.....77 Merrick St., Worcester, Mass.  
1BVV John E. Wilkinsa.....35 Malvey St., Fall River, Mass.  
1BVW George J. Urlwin.....83 Bay State Ave., Somerville, Mass.  
1BVX Andrew D. Crowell.....119 Stoughton St., Dorchester, Mass.  
1BVY James W. Carter.....24 Auckland St., Dorchester, Mass.  
1BVZ Carl E. Gegenheimer.....7 Perry Ave., Attleboro, Mass.  
1BW Ronald H. Shaw.....101 N. Central Ave., Wollaston, Mass.  
1BWA Wilfred G. Boutin.....Wareham St., South Middleboro, Mass.  
1BWB Edwin V. Harwood.....92 Dunbar St., New Bedford, Mass.  
1BWC Henry N. Igo.....261 Ashmun St., New Haven, Conn.  
1BWD Marquis L. Macadam.....123 North St., Calais, Me.  
1BWE John A. Sullivan.....111 Bates St., Lewiston, Me.  
1BWF Oscar F. Jacobson.....116 King St., Neponset, Mass.  
1BWG Ralph W. Stearns.....422 Huron Ave., Cambridge, Mass.  
1BWH Charles H. Mosman.....138 Grove St., Bridgeport, Conn.  
1BWI Granville A. Reynolds.....34 Whitney St., Providence, R. I.  
1BWJ Edgar S. Parson.....152 W. Central St., Natick, Mass.  
1BWK Hartley C. Humphrey.....Nannauket Rd., Tiverton, R. I.  
1BWL Marlboro Radio League.....Park St., Marlboro, Mass.  
1BWM Royal S. Daggett.....Alain St., Vineyard Haven, Mass.  
1BWN Elsworth H. Peak.....38 Thatcher St., Medford, Mass.  
1BWO Warren W. Ambach.....189 Temple St., West Roxbury, Mass.  
1BWP Charles E. Rodenhaven.....43 Marcella St., Roxbury, Mass.  
1BWQ Charles F. Fitzgerald.....50 Simon St., Beverly, Mass.  
1BWR Richard S. W. Curra.....37 Norfolk St., Canton, Mass.  
1BWS John S. Walker.....Silver Lake Ave., Wakefield, R. I.  
1BWT Joseph Murphy.....57 Ely Ave., South Norwalk, Conn.  
1BWU Lyman H. Johnson.....1283 Chapel St., New Haven, Conn.  
1BWW Everard W. Dalton.....74 Catherine St., Springfield, Mass.  
1BWX Sherman M. Hall.....69 Sherman St., Springfield, Mass.  
1BXY Bernard A. Libby.....Main St., Limerick, Me.  
1BZW Springfield Radio Association.....19 Orleans St., Springfield, Mass.  
1BX Alfred H. Roberts.....16 Spacore St., Brockton, Mass.  
1BX Lester A. Cushman.....5 Paris, Me.  
1BXA John H. Gough.....230 Fayette St., Quincy, Mass.  
1BXB Robert Loveand.....19 Magoun Ave., Medford, Mass.  
1BXC Dean C. Swan, Jr.....20 Sunset Rd., West Somerville, Mass.  
1BXD Howard D. Hughes.....27 Farrar Ave., Worcester, Mass.  
1BXE Kenneth M. Green.....30 Franklin St., Rockland, Me.  
1BXF Paul H. Flagg.....Hubbardston, Mass.  
1BXG Herbert W. Fleidhouse.....19 Oakland Ave., Methuen, Mass.  
1BXH Raymond K. Cook.....Central St., Rowley, Mass.  
1BXI Arthur Stevens.....51 Pleasant St., Revere, Mass.  
1BXJ Cedric P. Heers.....81 Blue Hill Ave., Boston, Mass.  
1BXL Rankin H. Uplman.....12 University St., Leominster, Mass.  
1BXM Edward P. McShane.....42 Whipple St., Lewiston, Me.  
1BXN William E. Florence, Jr.....6 Eaton St., Reading, Mass.  
1BXO Paul S. Carter.....35 Park St., Williamstown, Mass.  
1BXP Herbert F. Newman.....59 Burton St., Bristol, R. I.  
1BXQ James C. Laviana.....136 Hick St., Meriden, Conn.  
1BXR William C. Sweet.....18 Meeting St., Newport, R. I.  
1BXS Arthur R. Delorey.....65 Kaposia St., Auburndale, Mass.  
1BXT Jere Steady.....223 Main St., Berlin, N. H.  
1BXU Joseph Kelley.....77 Ely Ave., South Norwalk, Conn.  
1BXV Dan Gloum.....8 Swan St., Waterville, Me.  
1BXW Harold Gould.....84 Fifth St., South Boston, Mass.  
1BXZ Fredrick W. Hill.....10 Dearborn Rd., W. Somerville, Mass.  
1BY Edmund R. Rogers.....8 Ash St., Salem, Mass.  
1BYX Donald W. Exmer.....Camp Massapeack, Norwich, Conn.  
1BYZ Fred S. Stedman.....35 Winter St., Wakefield, R. I.  
1B L. B. Davis.....12 Phillips St., Watertown, Mass.  
1BYA Charles S. Hickox.....41 Sea Side Ave., Milford, Conn.  
1BYB Unassigned  
1BYC Almon E. Spaulding.....31 Bufum St., Lynn, Mass.  
1BYD Anthony Santine.....80 Homes Ave., Dorchester, Mass.  
1BYE Albert G. Francis.....16 Rowell St., Dorchester, Mass.  
1BYF Charles Rich.....R. F. D. No. 1, Swanton, Vt.  
1BYG Clifford Evans.....40 Howard St., Reading, Mass.  
1BYH Kenneth I. Wilson.....21 Hall St., Somerville, Mass.  
1BYI Herbert F. Kingsbury.....27 Arlington St., Framingham, Mass.  
1BYJ Theodore O. Kingsbury.....170 State St., Framingham Ctr., Mass.  
1BYK Donald R. Dean.....350 Court St., Auburn, Me.  
1BYL Wendell J. Reed.....35 Ware Rd., Auburndale, Mass.  
1BYM Arnold K. Beachemin.....67 Stewart St., Bristol, Conn.  
1BYN Francis H. Bailey.....23 Harvard St., Worcester, Mass.  
1BYO Theodore W. Gilligan.....6 Lozier Ave., Westfield, Mass.  
1BYP John A. Baker.....45 Prospect St., Claremont, N. H.  
1BYQ Edward H. Lambert.....84 Main St., N. Andover, Mass.  
1BYR William P. Bleckford.....81 Summer St., Auburn, Me.  
1BYS James Spencer.....224 Church St., New Bedford, Mass.  
1BYT Ernestoteles.....60 Waldorf Ave., Bridgeport, Conn.  
1BYU Harry Fish.....40 Church St., Westfield, Mass.  
1BYV Robert Hodson.....9 Saratoga St., East Boston, Mass.  
1BYW O. C. F. Mysel.....94 Dorchester Ave., Boston, Mass.  
1BYX James K. Clapp.....21 Lasell St., Auburndale, Mass.  
1BYZ Franklin L. Chase.....Forest St., Bass River, Mass.  
1BZ Leslie A. Jones.....31 Thurston Ave., Newport, R. I.  
1BZA Clayton C. Pickett.....100 Ocean St., S. Portland, Me.  
1BZB Royal J. Dow.....22 Young St., New Haven, Conn.  
1BZC Harley B. Fogel.....9 Ensign St., Hockanum, Conn.  
1BZD Roy S. Little.....Elliot & Capon Rd., Swampscott, Mass.  
1BZE William E. Drew.....324 Central St., Auburndale, Mass.  
1BZF Bartlett W. Bibby.....65 W. Canton St., Boston, Mass.  
1BZG Donald L. Perry.....18 North St., Greenfield, Mass.  
1BZH Everett Radio Club.....81 Swan St., Everett, Mass.  
1BZI Victor Vitrolis.....266 Field St., New Bedford, Mass.  
1BZJ Henry A. Miller.....28 Hansen Ave., Bridgeport, Conn.  
1BZK Edward W. McCaul.....16 Chesley Ave., Newtonville, Mass.  
1BZL John F. McQueaney.....185 Summer St., Waptown, Mass.  
1BZM Leslie W. Grundy.....Main St., Phillips, Me.  
1BZN James B. Parker.....24 High St., Ipswich, Mass.  
1BZO Clarence W. Gould.....95 Center St., Brookline, Mass.

1BZO Gordon H. Ellis.....24 Morrill St., West Newton, Mass.  
1BZP Leon E. Sherman.....88 Langdon St., Plymouth, N. H.  
1BZQ Elmer Lantz.....69 Oakland St., Arlington, Mass.  
1BZR John K. Darling.....94 Market St., Norwood, Mass.  
1BZS Wilbur M. Frock.....9 Union St., Rockland, Me.  
1BZT John H. Dowd.....1413 Pleasant St., New Bedford, Mass.  
1BZU John L. Moriarty.....62 Foster St., New Bedford, Mass.  
1BZV Swan Junior High School.....Park & Washing'n Sts., Medford, Mass.  
1BZW Concord High Sch'l Radio Club.....Concord, Mass.  
1BZX Charles E. Leutz.....34 Wyman St., Boston, Mass.  
1BZY Stuart S. MacDougall.....26 Meadow St., No. Adams, Mass.  
1BZZ Rodney M. Goetchelus.....1163 Washington St., N. Abing'n, Mass.  
1CA J. D. Conboy.....12 Beethoven St., Roxbury, Mass.  
1CAA Lloyd G. Morse.....108 Lawton Ave., Lynn, Mass.  
1CAB Horace Young.....73 Clarence St., Providence, R. I.  
1CAC Kenneth O'Tools.....Newfield St., Stamford, Conn.  
1CAD Bradford Smith, Jr.....83 Willis St., New Bedford, Mass.  
1CAE Henry P. Hayes.....8 Helden St., West Roxbury, Mass.  
1CAF Wade C. Johnson.....61 Central St., Auburndale, Mass.  
1CAG Charles W. Burwell.....4 Felsmer Ave., Cliftondale, Mass.  
1CAH Franklin W. Applegate.....131 Newbury St., Boston, Mass.  
1CAI Richard S. Pierce.....255 Essex St., Lynn, Mass.  
1CAJ Richard E. Harrison.....23 Thayer Ave., Braintree, Mass.  
1CAK John M. Wells.....40 Main St., Southbridge, Mass.  
1CAL Frederick W. Grantham, Jr.....62 Vista Ave., Auburndale, Mass.  
1CAM Frederick E. Luthy.....35 Pleasant St., Bridgeport, Conn.  
1CAN Lewis J. Boss.....North Situate, R. I.  
1CAO Paul W. Murray.....15 Chandler St., Waverly, Mass.  
1CAP Merton H. Childs.....27 Pine Street Court, Springfield, Mass.  
1CAQ Laurence D. Trefry.....76 Heath St., Somerville, Mass.  
1CAR John V. Pursell.....12 Pine St., Wareham, Mass.  
1CAS John A. Bargamian.....William Ave., Norwood, R. I.  
1CAT Cecil N. Hoagland.....76 Elmwood Place, Bridgeport, Conn.  
1CAU George G. Conn.....477 Pleasant St., Melrose, Mass.  
1CAV Laurence E. Ticehurst.....76 Spring St., West Somerville, Mass.  
1CAW Robert W. Peabody.....37 Bartlett Ave., Waverly, Mass.  
1CAX Unassigned  
1CAY Eugene K. McCullough.....326 Smith St., Providence, R. I.  
1CAZ James N. Langdon.....Charlestown Rd., Claremont Jct., N. H.  
1CB L. H. Daykin.....339 Beacon St., Somerville, Mass.  
1CBA D. Fred Cliff.....Fort St., Mars Hill, Me.  
1CBB Lester A. Riley.....67 Ridge Ave., Pawtucket, R. I.  
1CBC Harold M. Baker.....85 West St., Reading, Mass.  
1CBD Gustaf A. Johnson.....14 Fern St., Waltham, Mass.  
1CBE David F. Higgins.....12 Olive St., Medford, Mass.  
1CBF Robert E. Eldridge.....284 Elmwood St., N. Abington, Mass.  
1CBG Addison S. Coe.....West St., Litchfield, Conn.  
1CBI Roger P. Houghton.....102 Wilbraham Rd., Springfield, Mass.  
1CBH Frederic A. Dale.....5 Parker St., Everett, Mass.  
1CBJ Edwin C. Holland.....16 Plympton St., Woburn, Mass.  
1CBK Robert Y. Merlin.....2 Cardington St., Boston, Mass.  
1CBL Granville Whittlesey, Jr.....West Redding, Conn.  
1CBM Ernest R. Edwards.....23 Elliot St., Norwood, Mass.  
1CBN Herbert Cleveland.....118 Florence St., Everett, Mass.  
1CBO Edmund A. Laport.....Page St., Concord, N. H.  
1CBP Clayton F. Dixon.....9 School St., Westerly, R. I.  
1CBQ James C. Eddy.....54 Oakley Road, Belmont, Mass.  
1CBR John E. Burke.....12 Galdard St., Valley Falls, R. I.  
1CBS Walter N. Vanderbeck.....876 Broad St., Hartford, Conn.  
1CBT Clifton G. Parker.....Wolcott St., Wolcott, Vt.  
1CBU David R. Hill.....306 Walnut St., Newtonville, Mass.  
1CBV Luther N. Green.....Main St., Bradford, Vt.  
1CBW John S. Mahoney.....36 Charles St., N. Abington, Mass.  
1CBX Camp Arey.....Monument St., Orleans, Mass.  
1CBY Edward V. A. Krukonis.....363 Chestnut St., Lawrence, Mass.  
1CBZ Elmer J. Bradley.....100 Keeley St., Haverhill, Mass.  
1CC Alfred J. Stigley.....57 Baby St., Newton, Mass.  
1CC Howard R. Willard.....216 Central St., Georgetown, Mass.  
1CCA Livingston Swentzel.....Camp Devers, Conn.  
1CCB Albert H. Edgerly, Jr.....Kensington, Conn.  
1CCD Newport Radio Club.....Mary St., Newport, R. I.  
1CCE John A. Moran, Jr.....49 Cross St., Malden, Mass.  
1CCF Harold E. Woodworth.....29 Calhoun Ave., Everett, Mass.  
1CCG Earl W. Barber.....East Ave., Westerly, R. I.  
1CCH Ramon B. Strout.....Walnut Hill, Me.  
1CCI Walter Kemble.....63 Alger Ave., Providence, R. I.  
1CCJ William S. Borek.....16 Indiana Ave., Worcester, Mass.  
1CCK Frederic D. Hawes.....85 N. Common St., Lynn, Mass.  
1CCL Charles A. McElroy.....14 Chapel St., Somerville, Mass.  
1CCM Arthur E. Watkins.....21 Cameron Ave., Somerville, Mass.  
1CCN Middlesex Sportsmans' Assn.....Pond Lane, Arlington, Mass.  
1CCO Ralph J. Manthorne.....807 Fifth St., South Boston, Mass.  
1CCP A. L. Durkee.....34 James St., Greenfield, Mass.  
1CCQ Chandler H. Burckes.....18 Sargent Ave., Somerville, Mass.  
1CCR Harold Freedman.....1333 Iranistan Ave., Bridgeport, Conn.  
1CCS John M. Hunt.....Jerusalem Rd., Cohasset, Mass.  
1CCT James W. Graham.....30 Wyman St., Woburn, Mass.  
1CCU Lewis W. Lorige.....2 Buckman St., Woburn, Mass.  
1CCV George S. Kelsmen.....32 Forbes St., Jamaica Plain, Mass.  
1CCW Horace J. DeCelles.....272 Forest St., Medford, Mass.  
1CCX Matteo Gelardi.....36 George St., Revere, Mass.  
1CCY John F. Ahearn.....80 Foster St., Everett, Mass.  
1CCZ Edward C. Crossett.....Seaview Ave., Wlanno, Mass.  
1CD Louis S. Ishell.....N. Anson, Me.  
1CDA James W. Farmer.....11 Hillside Rd., Watertown, Mass.  
1CDB Henry A. Cain.....593 Ash St., Brockton, Mass.  
1CDC Walter F. Priest.....36 Hills Ave., Greenwood, Mass.  
1CDD Stuart S. Belcher.....55 Bigelow St., Fall River, Mass.  
1CDE Willard Richards.....297 Cabot St., Newtonville, Mass.  
1CDF Benjamin Margolin.....123 Norwood Ave., Newtonville, Mass.  
1CDG Charles Quigley.....153 Jefferson Ave., Everett, Mass.  
1CDH Albert E. Kelley.....3 Pine St., Stoneham, Mass.  
1CDI Ethan A. Murphy.....125 Langdon Ave., Watertown, Mass.  
1CDJ Joseph A. Casey.....105 Maple St., Melrose, Mass.  
1CDK Clarence S. Knowlton.....95 Essex St., Beverly, Mass.  
1CDL Donald Hewins.....Highland St., Sharon, Mass.  
1CDM Gordon W. Battery.....Samoset St., Watch Hill, R. I.  
1CDN George H. James.....Hardwick, Vt.  
1CDO Woodbury Brackett.....838 Middle St., Bath, Me.  
1CDP Eunice L. Randall.....Mattapoisett, Mass.  
1CDQ Henry S. Cushing, Jr.....7 Magoun Ave., Medford, Mass.  
1CDR Edwin F. Atkins, Jr.....592 Pleasant St., Belmont, Mass.  
1CDS Sherman A. Story.....21 Naples Rd., Salem, Mass.  
1CDT Herbert Drew.....667 Sixth St., South Boston, Mass.  
1CDU Frederic E. Burnham.....Pearees Island, Gloucester, Mass.  
1CDV Charles D. Belcher, Jr.....154 Pauline St., Winthrop, Mass.  
1CDW Warren J. Stevens.....100 Triton Ave., Winthrop, Mass.  
1CDX Edwin H. Perkins.....58 E. Main St., Georgetown, Mass.  
1CDY Fiske Rollins.....Cannon Hill, South Wellfleet, Mass.  
1CDZ B. M. Gritz.....85 Summer St., Adams, Mass.  
1CE Francis L. Baron.....407 Ash St., Brockton, Mass.  
1CEA Arthur F. Heath.....52 Sheridan St., Haverhill, Mass.  
1CEB Ernest W. Corby.....43 Fourth St., Bridgeport, Conn.  
1CEC Florian J. Fox.....253 Nicoll Ave., New Haven, Conn.  
1CED Kenneth E. Holmes.....13 Myrtle St., Somersworth, N. H.  
1CEE William E. Merritt.....55 Hull Ave. Ext., Wallingford, Conn.  
1CEF Norman McCarthy.....29 Cottage St., Norwood, Mass.  
1CEG William H. Bryant.....9 Banner Ave., Malden, Mass.  
1CEH Samuel V. Hookins.....45 Revere St., Revere, Mass.



1CEI	Angus Walker	32 Woodcliff St., Roxbury, Mass.
1CEJ	Paul Marklis	43 Baxter St., So. Boston, Mass.
1CEK	Earl J. Atkinson	11 Huron St., Pittsfield, Mass.
1CEL	Frank P. Sproul	Goodwin Cottage, York Harbor, Me.
1CEM	Central Fire Station	Quincy, Mass.
1CEN	Clarence H. Warwick	58 Barry St., Dorchester, Mass.
1CEO	Earl S. Siswick	Hope Valley, R. I.
1CEP	Jerome H. Knowles, Jr.	Northeast Harbor, Me.
1CEQ	Charles F. Cowdrey, Jr.	69 Lunenburg St., Fitchburg, Mass.
1CER	George L. Babcock	21 Repose, Watch Hill, R. I.
1CES	Earl M. Bradley	57 Birch St., Lynn, Mass.
1CET	Linus J. Thrasher	20 Hill St., Marlboro, Mass.
1CEU	William T. Frizzell, Jr.	55 Chestnut St., Waltham, Mass.
1CEV	Frank C. Elsner	283 Broadway, Somerville, Mass.
1CEW	Douglas F. Weigel	161 Pond St., Leominster, Mass.
1CEX	Algonquin Council B. S. of A.	Marlboro, Mass.
1CEY	George E. Hall, Jr.	17 Emerson St., Lynn, Mass.
1CEZ	John C. B. Washburn	East Greenwich, R. I.
1CF	F. C. Bowditch, Jr.	164 Rawson Rd., Brookline, Mass.
1CFA	Lloyd C. Mayers	St. Albans Bay, Vt.
1CFB	Unassigned	
1CFC	Henry E. Hall	30 Summer St., Nashua, N. H.
1CFD	Samuel W. Piper	45 S. Bov St., Milford, Mass.
1CFE	John H. Nelson	628 Western Ave., Lynn, Mass.
1CFG	Raymond Davis	4 State Ave., Northfield, Vt.
1CFH	Elliott Jackson	10 Elmwood Rd., Swampscott, Mass.
1CFI	Theodore A. Rich	54 Greenwood St., Lynn, Mass.
1CFJ	Frederick W. Pierce	569 Bedford St., Elmwood, Mass.
1CFK	C. F. DeCosta	44 "E" St., So. Portland, Me.
1CFL	William J. Kiejar	E. Main St., Orange, Mass.
1CFM	Edwin C. Smalley	120 Myrtle St., West Lynn, Mass.
1CFN	Morris Hurvitz	Rollins Place, Boston, Mass.
1CFO	Walter H. Hanson	Rockingham, N. H.
1CFP	Arthur E. Clough	11 Highland St., Somersworth, N. H.
1CFQ	Francis K. Brown	20 Greenwood St., Marlboro, Mass.
1CFR	Lewis C. Leighton	161 Fountain St., Providence, R. I.
1CFS	James Eldon	1 Short St., Methuen, Mass.
1CFT	W. S. Howland	49 Pritchard St., Somerville, Mass.
1CFU	Kenneth F. Carlson	185 Oakland St., Springfield, Mass.
1CFV	Lawrence J. Keenan	53 Avon St., Somerville, Mass.
1CFW	Harry C. Weare, Jr.	59 Troubridge Ave., Newtonville, Mass.
1CFX	Howard Thomas Caswell	59 Wareham St., Middleboro, Mass.
1CFY	Edward Thomas Haynes	Bradford, Vt.
1CFZ	Allen Smith Richmond	14 High St., Auburn, Me.
1CG	James W. Leary	11 Fairmont Ave., Cambridge, Mass.
1CGA	W. F. Woodworth	173 Bunker Hill St., Charlestown, Mass.
1CGB	William Henry Wallace	30 Hastings St., Cambridge, Mass.
1CGC	Hardwick Academy	Hardwick, Vt.
1CGD	Milton Scott	284 Nichols St., Bridgeport, Conn.
1CGE	Walter Gilbert Cole	Bradford, Vt.
1CGF	Walter Fisher	Rockwood St., Norfolk, Mass.
1CGG	Melville H. Robbins	17 West St., Bath, Me.
1CGH	Loring L. Marshall	129 Grasmere St., Newton, Mass.
1CGI	Donald H. Muir	10 Lynde St., Malden, Mass.
1CGJ	Hugo Felix Walter	1296 State St., Bridgeport, Conn.
1CGK	Justin Peterson	16 Wilts Court, Lynn, Mass.
1CGL	Maurice W. Kurkdjie	Brown & Winter Sts., Weston, Mass.
1CGM	James N. Oswell	Pine St., South Paris, Me.
1CGN	Leighland F. Parker	Crescent Beach St., Burlington, Vt.
1CGO	Unassigned	
1CGP	Yabe Johnson	259 Farmington Ave., Cranston, R. I.
1CGQ	Offn G. Boardman	49 Mt. Vernon St., Braintree, Mass.
1CGR	Otto H. Eger	1097 Main St., Holyoke, Mass.
1CGS	Francis D. Burnett	72 Converse St., Longmeadow, Mass.
1CGT	Glenn C. Sabin	44 Maple St., Northampton, Mass.
1CGU	Wilbur Newton	69 Arnold Ave., Edgewood, R. I.
1CGV	Sidney B. Coleman	Dayton, Me.
1CGW	F. T. Holmes	Bradleyville Rd., Waterbury, Conn.
1CGX	Truman W. Hickox	229 Cooke St., Waterbury, Conn.
1CGY	Arthur W. Ganz	39 Viola St., Providence, R. I.
1CGZ	Unassigned	
1CH	Kenneth B. Sweet	21 Holman Ave., Leominster, Mass.
1CHA	E. S. Watkins	79 Hillside Ave., Waterbury, Conn.
1CHB	Philip Darche	46 Progress St., Abington, Mass.
1CHC	John A. Kelly	17 Park St., Haverhill, Mass.
1CHD	William S. Van Brocklin	52 Guernsey St., Rosindale, Mass.
1CHE	Robert C. Duncan	27 Adams Ave., Watertown, Mass.
1CHF	John E. Higley	278 E. Main St., No. Adams, Mass.
1CHG	Clarence F. Wood	39 Cheever St., Milton, Mass.
1CHH	Ralph G. Matheson	282 Washington St., Gloucester, Mass.
1CHI	Amogeron Fire Co. No. 1	Greenwich, Conn.
1CHJ	Edmund H. Campbell	130 Elm St., Quincy, Mass.
1CHK	Raymond E. Hebert	81 North St., Northampton, Mass.
1CHL	Edward T. Norton	8 Columbia Terrace, Portland, Me.
1CHM	Bernard F. Dorcan	206 Lombard St., New Haven, Conn.
1CHN	Albert J. Nichols	164 Broadway, Taunton, Mass.
1CHO	Robert J. Hartshorn	10 Spring Hill Ter., Somerville, Mass.
1CHP	George K. Rollins	93 Montrose St., Springfield, Mass.
1CHQ	Harold A. Jacobs	25 Smith Ave., Westfield, Mass.
1CHR	Albert W. Watkins	Merrimack, N. H.
1CHS	Perchal R. Allen	131 Rowe St., Auburndale, Mass.
1CHT	Matthew E. Burns	6 Main St., Quincy, Mass.
1CHU	Clinton E. Rose	50 Linden St., Waterbury, Conn.
1CHV	Howard E. Webb	18 Beach Ave., Milford, Mass.
1CHW	Joseph W. Dalton	194 Flander St., Bridgeport, Conn.
1CHX	Frank W. Sikes	150 Union St., Springfield, Mass.
1CHY	John De Young	11 Sheafe St., Malden, Mass.
1CHZ	Wallace M. Keith	8 Walnut St., Auburn, Me.
1CI	Alfred St. Laurent	414 Green St., Somersworth, N. H.
1CIA	Henry Slater	90 Chester Rd., Belmont, Mass.
1CIB	Albert A. McAduo	50 Winter St., East Saugus, Mass.
1CIC	George W. Newell	Elm St., Yarmouthville, Me.
1CID	Louis G. Frank	10 Littell Rd., Brookline, Mass.
1CIE	Millard C. Richmond	262 Newbury St., Boston, Mass.
1CIF	Lauren E. Harlow	114 Pleasant St., Auburn, Me.
1CIG	John Phillips	14 Pearl St., Brookline, Mass.
1CIH	Melville A. Metz	11 Avon St., Somerville, Mass.
1CIJ	Arthur M. DeBenedictis	345 Broadway, So. Boston, Mass.
1CIK	Kenneth F. Remington	747 High St., Fall River, Mass.
1CIL	Wilbur S. Wellington	7 Alder St., Waltham, Mass.
1CIM	St. Paul's School Radio Club	Concord, N. H.
1CIN	Andrew Anderson	239 Wilson St., Bridgeport, Conn.
1CIO	Warren E. Hibbard	114 Belvidere St., Boston, Mass.
1CIP	Lawrence M. Tuttle	53 East Ave., Pawtucket, R. I.
1CIQ	John F. O'Donnell	Derby Place, Roxbury, Mass.
1CIR	Edward N. Wendell	15 Norwood Ave., Rockport, Mass.
1CIS	Everett B. Cobb	Cottage St., Medford, Mass.
1CIT	Lester K. Henderson	937 Bedford St., No. Abington, Mass.
1CIU	Henry E. Dickerman	964 Hancock St., Quincy, Mass.
1CIV	Richard Tousey	22 Grandview Ave., Somerville, Mass.
1CIV	Edward A. Dolan	6 Hobart St., Westley, R. I.
1CIV	Harold R. Bassett, Jr.	94 Arlington St., Cranston, R. I.
1CIW	Earl F. Whiddon	16 Gray St., Boston, Mass.
1CIX	Herman F. Lafstien	36 Cotting Ave., Marlboro, Mass.
1CIY	Charles E. Platt	20 Belverne St., Medifd Hillside, Mass.
1CIZ	Charles Christian	60 Fourth St., Waterbury, Conn.
1CJ	Arthur Kybert	318 California St., Newton, Mass.
1CJA	George E. Nothnagle	176 Waldemars Ave., Bridgeport, Conn.
1CJB	Earl J. Reidenouer	52 Fairfield Ave., Bridgeport, Conn.

1CJC	Paul Hitchen	256 Weetamoe St., Fall River, Mass.
1CJD	Donald P. Tucker	220 Highland Ave., Winchester, Mass.
1CJE	Horton B. Weaver	603 Angell St., Providence, R. I.
1CJF	Unassigned	
1CJG	Edward J. Lane	35 Cooke St., Waterbury, Conn.
1CJH	Mark J. Eaton	44 N. Main St., Rutland, Vt.
1CJI	Alfred W. Hyde	19 Caro St., Worcester, Mass.
1CJJ	Boy Scouts of America	185 Columbus Ave., Boston, Mass.
1CJK	Edward A. Parker	44 Washington St., Newton L.F., Mass.
1CJL	Eliert W. Wheelock	Sagamore, Mass.
1CJM	Harry F. Krzlnowck	72 Wellington St., Worcester, Mass.
1CJN	Herbert J. Smith	7 Palmer St., Pawcatuck, Conn.
1CJO	Francis C. Gow	198 Central St., Springfield, Mass.
1CJP	Carl C. Howard	10 Conwell St., Sumner, Mass.
1CJQ	John G. Nolan	76 Fountain St., Medford, Mass.
1CJR	Herbert M. Cox, Jr.	6 Arbutus Rd., Swampscott, Mass.
1CJS	Lars J. Sandberg	11 Wolcott Rd., Westchester, Mass.
1CJT	Andrew A. Stone	76 Belmont Ave., Brockton, Mass.
1CJU	Thomas C. Crocker	50 Locke St., Ansonia, Conn.
1CJV	Arthur E. T. Carlson	57 Standish St., Worcester, Mass.
1CJW	W. I. Bendz	91 Atlantic Ave., Fitchburg, Mass.
1CJX	Thurston Stetson	27 East St., Elmwood, Me.
1CJY	Ralph H. Keith	231 Plymouth St., E. Bridgewater, Mass.
1CJZ	Thomas R. Walsh	31 Eighth St., Derby, Conn.
1CK	Phillip F. Robinson	149 Hills Ave., Braintree, Mass.
1CKA	Eino A. Kajander	20 Dartmouth St., Maynard, Mass.
1CKB	Harland W. Powers	8 Lincoln St., Maynard, Mass.
1CKC	Wilbur T. Moulton	127 Paradise Rd., Swampscott, Mass.
1CKD	Douglas C. Beman	198 East Ave., Burlington, Vt.
1CKE	Harold C. Stewart	185 Walconah St., Pittsfield, Mass.
1CKF	Samuel Groome	Kent School, Kent, Conn.
1CKG	L. R. Edwards	Park & Chalmers Sts., Bridgeport, Ct.
1CKH	Alexander K. Laing	Dartmouth College, Hanover, N. H.
1CKI	Salvatore Torneo	33 Lewis St., Winsted, Conn.
1CKJ	Harold E. Curtis	Mechanic St., Kennebunk, Me.
1CKK	Elgar L. St. Clair	70 Fenton Ave., Laconia, N. H.
1CKL	Harold W. Castner	15 Temple St., Portland, Me.
1CKM	Robie H. Bissell	North St., Medfield, Mass.
1CKN	Richard E. Burton	323 Clark Rd., Brookline, Mass.
1CKO	Allen H. Adams	Littleton St., Chelmsford, Mass.
1CKP	George H. Pinney	84 Prospect St., S. Manchester, Conn.
1CKQ	Everett H. McRonald	27 Belknap St., Portland, Me.
1CKR	Charles S. Doe	Maple Hill Farm, Walpole, N. H.
1CKS	Ralph P. Sterritt	16 Ridge Rd., Waverly, Mass.
1CKT	Waino W. Lana	67 Wm'ter Hill Rd., Fitchburg, Mass.
1CKU	George K. Webb	Summer St., Kennebunk, Me.
1CKV	Kenneth G. MacLean	21 Pearl St., Quincy, Mass.
1CKW	Stanley R. Ames	34 Prospect St., Rockland, Mass.
1CKX	Harold E. Bissell, Jr.	22 Van Buren Ave., Norwalk, Conn.
1CKY	Harold H. Morrell	52 Grove St., New Haven, Conn.
1CKZ	Raymond W. Needham	10 Goffe St., Pittsfield, Mass.
1CL	Chas. A. Smith	S. Portland, Me.
1CLA	Herbert N. Brownell	47 Fair St., Nantucket, Mass.
1CLB	Unassigned	
1CLC	Frank O. Frowne	55 May St., So. Attleboro, Mass.
1CLD	Arthur W. Johnson	6 Wotton Ave., Worcester, Mass.
1CLE	Ernest M. Howland	18 Cottage St., Elmwood, Mass.
1CLF	Edward E. Hale	226 Main St., Webster, Mass.
1CLG	Frank H. Conant	24 Third St., Attleboro, Mass.
1CLH	John T. Griffin	36 Edison St., Quincy, Mass.
1CLI	Harry W. Thomson	Grove St., Millbury, Mass.
1CLJ	Harold F. Davis	Northfield, Mass.
1CLK	Unassigned	
1CLL	Elmer E. Waeger	25 Tannery St., Cambridge, Mass.
1CLM	Thomas Bastable	77 Cleveland St., Malden, Mass.
1CLN	Carl H. Biron	1097 Tyler St., Hartford, Conn.
1CLO	Donald J. Baker	718 Maple Ave., Bradford, Mass.
1CLP	Laurence Smith Hovey	217 Main St., Salem, Mass.
1CLQ	James J. Welch	107 Mason St., Pawtucket, R. I.
1CLR	Mitchell Adams, Jr.	225 Hunts Ave., Pawtucket, R. I.
1CLS	Richard W. Jones	50 Main St., Plymouth, Mass.
1CLT	Joseph M. Wishegrad	3620 Main St., Bridgeport, Conn.
1CLU	Emile Sutherland	31 Hadley St., No. Cambridge, Mass.
1CLV	Laurence W. Murray	150 Essex St., Cliftondale, Mass.
1CLW	Irving P. Grant	Saugerville, Me.
1CLX	George F. Caldwell	Main St., Stockbridge, Mass.
1CLY	George Lorine Penney	7 Burrill St., Nashua, N. H.
1CLZ	Frederic H. Smyser	46 Bickford Av., Pt. of P. Revere, Mass.
1CM	Henry R. McLane	342 Union Ave., Laconia, N. H.
1CMA	John G. Kreis	3055 State St., No. Haven, Conn.
1CMB	Edward Jenner	24 May St., No. Andover, Mass.
1CMC	Michael John Welsh	43 Sanford St., Melrose, Mass.
1CMD	Henry W. Saunders	8 Spring St., Westbrook, Me.
1CME	Raymond D. Kneeland	63 Pond St., Georgetown, Mass.
1CMF	William A. Nash	457 Main St., Biddeford, Me.
1CMG	Harry Irvin Heaney	Ayer Ave., Lowell, Mass.
1CMH	Louis Rtzoll	1 Washington So., Salem, Mass.
1CMI	Benjamin F. Cutter	1069 Westminster St., Providence, R. I.
1CMJ	Max Ortelt	27 Sampson St., Providence, R. I.
1CMK	Phillip Henry Bloom	682 East St., Holyoke, Mass.
1CML	Thomas F. McNamara	134 Taylor St., Waltham, Mass.
1CMM	William Purdy	33 Laurel St., Waterford, Mass.
1CMN	Hurlbert G. Dolphin	213 Commerce St., New Haven, Conn.
1CMO	Luther A. Jones	Bourne St., Kennebunk, Me.
1CMP	William E. Jackson	205 Summer St., Bridgewater, Mass.
1CMQ	Edwin Sargeant	67 Alger Ave., Providence, R. I.
1CMR	John L. Perkins	34 Tower St., Somerville, Mass.
1CMS	Edward F. Curley	210 W. London St., Lowell, Mass.
1CMT	George R. Cogswell	18 Concord Ave., Cambridge, Mass.
1CMU	Warren Higgins	406 Hollis St., Framingham, Mass.
1CMV	Bernard C. McGuire	261 Foster St., Lowell, Mass.
1CMW	Roger W. Dodd	43 Alpha Rd., Dorchester, Mass.
1CMX	Jefferson Borden, IV	291 Cherry St., Fall River, Mass.
1CMY	Francis S. Tyburc	174 Derby St., Salem, Mass.
1CMZ	George F. Cory	383 Cottage St., New Bedford, Mass.
1CN	R. P. Griswold	164 Webster Ave., Providence, R. I.
1CNA	Walter A. Knight	47 Church St., Hudson, Mass.
1CNB	Jameson B. Hall	Fort Andrews, Boston, Mass.
1CNC	Howard Hicks	298 Winthrop Ave., Revere, Mass.
1CND	Bartlett W. Biddy	34 High St., Westboro, Mass.
1CNE	Charles E. Lynch	175 Hinckley St., Northampton, Mass.
1CNF	William S. Allen	St. Mark's School, Southboro, Mass.
1CNH	William A. Osborne, Jr.	Main St., Hyannis, Mass.
1CNI	Harold L. Johnstone	469 Washington Ave., W. Haven, Conn.
1CNJ	Harold C. Reynolds	14 Lakerley Ave., Lynn, Mass.
1CNK	Andrew B. Connet	67 Whitmarsh St., Providence, R. I.
1CNL	Harlan R. Watson	25 Whitwell St., Burlington, Vt.
1CNM	Edwin A. Goodwin	127 High St., Somersworth, N. H.
1CNN	John A. Lucas	547 Bruce Ave., Stratford, Conn.
1CNO	Herbert T. Osgood	1 Brooks Court, Salem, Mass.
1CNP	Arlington Bell	88 South St., Stamford, Conn.
1CNQ	Everett L. Roberts	34 Sixth St., Bangor, Me.
1CNR	Joseph B. Maher	Anderson Ave., Woodmont, Conn.
1CNS	Delta Electric Company	658 Main St., Worcester, Mass.
1CNT	Thomas H. Gavin	583 Centre St., Fall River, Mass.
1CNU	Russell S. Mears	371 Main St., Haverhill, Mass.
1CNV	Herman R. Dyke	197 St. Botolph St., Boston, Mass.
1CNW	Owen R. Garfield	9 Webster St., Middleboro, Mass.
1CNX	Remo Fontana	48 Borworth St., W. Springfield, Mass.

ICNX Charles A. Kelleher.....31 Plymouth St., No. Abington, Mass.  
 ICNY John R. Quick.....12 Park St., Lynn, Mass.  
 ICNZ Frank W. Harney.....229 Harvard St., Cambridge, Mass.  
 ICO Harry Finklestein.....93 Maverick St., Chelsea, Mass.  
 ICOA Michael F. Taylor.....264 Wood St., Waterbury, Conn.  
 ICOB Michael F. Damon.....6 Church St., Weymouth Hgts., Mass.  
 ICOC E. L. Crandell.....31 Orkney Road, Brookline, Mass.  
 ICOD Arlington Radio Club.....15 Foster St., Arlington, Mass.  
 ICOE Clifford L. Walton.....286 Front St., St. Portland, Me.  
 ICOF Middleboro Y. M. C. A.....N. Main St., Middleboro, Mass.  
 ICOG Donald O. Friend.....623 Main St., Woburn, Mass.  
 ICOH Norman H. Young.....27 Columbia Rd., No. Andover, Mass.  
 ICOI Stephen D. Trafton.....323 Minot Ave., Auburn, Me.  
 ICOJ Edward J. Murphy.....47 Meridian St., New London, Conn.  
 ICOK New London Radio Club.....41 Pigott Rd., Medford, Mass.  
 ICOL Ralph H. Spaulding.....83 Yorktown St., Somerville, Mass.  
 ICOM Francis J. Sweeney.....141 Columbia Ave., Cranston, R. I.  
 ICON Frederick B. White.....Main St., Millbury, Mass.  
 ICOP Robert G. Ling.....16 Porter St., Danvers, Mass.  
 ICQQ Samuel Brestin.....28 Water St., Danvers, Mass.  
 ICOR John F. Pomeroy.....303 Hannibal Hamlin Hall, Orono, Me.  
 ICOS Ralph C. Hollis.....7 Wilcox St., New Haven, Conn.  
 ICOT Bernard L. Cook.....22 Cleveland Ave., Braintree, Mass.  
 ICOW E. Whitford Merritt.....104 College Ave., Medford, Mass.  
 ICXX Fred J. Thompson.....High St., No. Scituate, Mass.  
 ICXX Unassigned.....Main St., West Upton, Mass.  
 ICOY John E. LaMarche.....1038 Massachusetts Ave., Camb'ge, Mass.  
 ICZZ James W. Thompson.....28 Channing St., Newport, R. I.  
 ICP C. E. Howell.....139 Sumner St., Watertown, Mass.  
 ICPA John W. Spalding.....304 Greenwell Ave., New Haven, Conn.  
 ICPE Henry J. Welsh.....8 Sharon Rd., Quincy, Mass.  
 ICPC John W. Fleet.....16 Cambridge St., Lowell, Mass.  
 ICPE Samuel J. Tillotson.....55 Fountain St., Worcester, Mass.  
 ICPE Frank Robert Leave.....2 Pearl St., Dorchester, Mass.  
 ICPE John A. Grant.....15 Elm St., Everett, Mass.  
 ICPE Arthur F. G. Bruder.....High St., Upton, Mass.  
 ICPE Paul St. Jacques, Jr.....272 Adams St., Woonsocket, R. I.  
 ICPE Waldo James Kelley.....26 Winsor St., Watertown, Mass.  
 ICPE Ralph F. Atwood.....61 Howard St., Reading, Mass.  
 ICPE Paul A. Carroll.....12 John St., Reading, Mass.  
 ICPE Harold B. Reynolds.....212 Albion St., Wakefield, Mass.  
 ICPE Perry P. Nichols.....R. F. D., Randolph, Vt.  
 ICPE Paul M. Morse.....4 Humboldt Ave., Worcester, Mass.  
 ICPE Robert P. Slayton.....Portland St., Morrisville, Vt.  
 ICPE Bernard K. Newman.....7 Quintard Ave., So. Norwalk, Conn.  
 ICPE Frank I. Bickford.....137 Burrill St., Swampscott, Mass.  
 ICPE Thornton Academy.....Main St., Saco, Me.  
 ICPE Clayton W. Howard.....261 Huntington St., New London, Conn.  
 ICPE Maurice F. Cayton.....7 Briggs Court, New Bedford, Mass.  
 ICPE Sebastian W. Beauchamp.....759 Chicopee St., Williamansett, Mass.  
 ICPE Paul E. Boyce.....62 Central Ave., Westville, Conn.  
 ICPE Selwyn N. Blake, Jr.....111 Winthrop Rd., Brookline, Mass.  
 ICPE Roger Williams.....44 Pitman St., Providence, R. I.  
 ICPE Paschal Ierardi.....38 Campfield St., Hartford, Conn.  
 ICPE Francis P. Pallotti.....176 Preston St., Hartford, Conn.  
 ICPE B. E. Stewart.....217 Crofts St., Newtonville, Mass.  
 ICPE Herbert Leroy Eby.....383 Connecticut Av., Bridgeport, Conn.  
 ICPE John H. Kelly, Jr.....38 Carroll Ave., Newport, R. I.  
 ICPE Hal I. Jayne.....103 Cottage St., Bridgeport, Conn.  
 ICPE Albert S. Brookes.....Salsbury School, Salsbury, Conn.  
 ICPE William C. Schappa.....144 Dover St., New Haven, Conn.  
 ICPE Lee D. Bowman.....68 Summer St., Springfield, Vt.  
 ICPE James R. Wihle.....Royal Mills, Riverpoint, R. I.  
 ICPE William H. Burke.....Fellows Rd., Ipswich, Mass.  
 ICPE William H. Smith.....232 Howard Ave., New Haven, Conn.  
 ICPE Neal Dow.....17 Lincoln St., Exeter, N. H.  
 ICPE John L. Peters.....East Holliston, Mass.  
 ICPE Waldo M. Sanborn.....16 Merrimack St., Concord, N. H.  
 ICPE George R. Town.....18 Church St., Poulton, Vt.  
 ICPE Arthur E. Parker.....14 Chestnut St., Auburn, Me.  
 ICPE Franklin S. Cuddy.....The Choate School, Wallingford, Conn.  
 ICPE Russell E. Cushing.....21 Elbridge St., Worcester, Mass.  
 ICPE Perry F. Van Derzee.....70 Ruggles St., Roxbury, Mass.  
 ICPE Lawrence E. Marston.....26 Goff St., Auburn, Me.  
 ICPE Edward W. Longquist.....78 Madison Ave., Hartford, Conn.  
 ICPE Robert A. Martin.....193 College St., Lewiston, Me.  
 ICPE Dexter B. Waterhouse.....193 College St., Lewiston, Me.  
 ICPE Unassigned.....32 Mill St., Newport, R. I.  
 ICPE Elmer R. Merrow.....208 Main St., Auburn, Me.  
 ICPE Claude H. Leroux.....34 Franklin St., New Britain, Conn.  
 ICPE Clarence F. Hall.....44 Washington St., New London, Conn.  
 ICPE Winslow H. Pillsbury.....42 North St., Saco, Me.  
 ICPE Unassigned.....  
 ICRC Emery E. Neff.....400 Waterley Oaks Rd., Walt'm, Mass.  
 ICRC Charles M. Nash.....51 South St., Plainville, Mass.  
 ICRC Edward H. Diggins.....35 Stone Ave., Somerville, Mass.  
 ICRC Frederick E. Allen.....21 Cross St., Brockton, Mass.  
 ICRC Frederick L. Curran.....96 N. Bend St., Pawtucket, R. I.  
 ICRC Raymond W. Thomas.....674 Washington Av., West Haven, Ct.  
 ICRC Stanley N. Read.....191 Alabama Ave., Providence, R. I.  
 ICRC Carl D. Hitchborn.....11 Spring St., Foxcroft, Me.  
 ICRC Bridgette L. Allen.....119 Derby St., New Haven, Conn.  
 ICRC George P. Lawrence.....Bridgeport, Conn.  
 ICRC Reginald V. Peirson.....Thverton 4 Corners, Thverton, R. I.  
 ICRC Robert Warner.....4 Coggeshall Ave., Newport, R. I.  
 ICRC Donald W. King.....1 Kennedy Rd., Cambridge, Mass.  
 ICRC Joseph Poscavage.....396 Walnut St., Springfield, Mass.  
 ICRC Gordon R. Dally.....281 N. Main St., Ansonia, Conn.  
 ICRC Henry R. Bartlett.....65 Chatham St., New Haven, Conn.  
 ICRC Leon A. Richardson.....28 First St., Pittsfield, Mass.  
 ICRC George D. Littlefield.....7 Pleasant St., Farmington, N. H.  
 ICRC John Lee Pike.....Main St., Searsport, Me.  
 ICRC Jeffrey-Nichols Motor Co.....271 Commonwealth Ave., Boston, Mass.  
 ICRC Charles Desellier.....74 Clay St., Cambridge, Mass.  
 ICRC George Neal McNeill.....347 Linwood Ave., Newtonville, Mass.  
 ICRC Richard M. Longley.....45 Grove St., Peterboro, N. H.  
 ICRC G. B. Swett.....16 Robinson St., Saugus, Mass.  
 ICRC John F. Cole.....136 Perkins St., Somerville, Mass.  
 ICRC Thorditke B. Bliss.....312 Maple St., Danvers, Mass.  
 ICRC Frederick S. Robbins.....31 W. Baltimore St., Lynn, Mass.  
 ICRC Clifford M. Janvrin.....976 Connecticut Ave., Bridgeport, Conn.  
 ICRC Edward G. Howe.....409 S. Union St., Burlington, Vt.  
 ICRC John H. Ellison.....32 Bow St., Somerville, Mass.  
 ICRC Turner W. Leamard.....144 Veranda St., Portland, Me.  
 ICRC Wilfred J. Peltier.....40 Austin St., Cambridge, Mass.  
 ICRC Lloyd G. Manchester.....58 Spencer St., Winsted, Conn.  
 ICRC Adrten Roy.....215 Blake St., Lewiston, Me.  
 ICRC Lloyd A. Blanchard.....248 N. Main St., Springfield, Mass.  
 ICRC I. B. Womdy.....16 Railroad Ave., New Canaan, Conn.  
 ICRC Winthrop Martin.....16 Montgomery Ave., Somerville, Mass.  
 ICRC William J. Bentley.....3546 Washington St., Boston, Mass.  
 ICRC Vernon A. Luce.....25 Canby St., Holyoke, Mass.  
 ICRC Charles J. Mudrt.....1927 Seaview Ave., Bridgeport, Conn.  
 ICRC Terrance J. Lomax, Jr.....74 Conant St., Fall River, Mass.  
 ICRC Harold S. Pffe.....16 Maxon St., West Mystic, Conn.

ICSS Glenn A. Hall.....Roscawen, N. H.  
 ICST Edward Ellis.....147 Harold St., Roxbury, Mass.  
 ICST Carl B. Curtice.....83 Kapasia St., Auburn, Mass.  
 ICST Gerald C. Goudy.....Sewall's Hill, York Village, Me.  
 ICST Chester F. Scott.....29 Alice Ave., Woonsocket, R. I.  
 ICST Raymond O. Mortensen.....171 Cherry St., Malden, Mass.  
 ICST George H. Rodick.....36 Elmer Ave., So. Portland, Me.  
 ICST John B. Russell, Jr.....33 Newcastle Rd., Brighton, Mass.  
 ICST J. L. McGrath.....206 Fayette St., Wollaston, Mass.  
 ICST Thomas H. Eames.....11 Chapel St., West Somerville, Mass.  
 ICST Edward I. Phillips.....12 Ward Place, West Haven, Conn.  
 ICST Melvin H. Johnson.....104 Johnson Ave., Winthrop, Mass.  
 ICST Robert O. Seefeld.....95 North St., Stamford, Conn.  
 ICST Hollis Bradbury.....115 Whitney St., Auburn, Me.  
 ICST Walter W. Taylor.....50 Clifford St., Taunton, Mass.  
 ICST Raymond A. Harris.....66 Prospect Ave., Norwood, Mass.  
 ICST Everett J. Coulson.....54 Franklin St., Whitman, Mass.  
 ICST Frederick A. Ella, Jr.....2 Mot Ave., Norwalk, Conn.  
 ICST George C. Barney.....524 Goshel St., Berlin, N. H.  
 ICST Carl B. Newman.....15 Proctor St., Worcester, Mass.  
 ICST Unassigned.....  
 ICST Clinton F. Hanscom.....East Walpole, Mass.  
 ICST Louis W. Stevens.....63 Pleasant St., Marlboro, Mass.  
 ICST Oscar J. Aakre.....122 Nilsson St., Brockton, Mass.  
 ICST Nathaniel L. Mower.....11 Forest Ave., Auburn, Me.  
 ICST Daniel E. White.....12 Park St., Newport, R. I.  
 ICST Frederick W. Gatenly.....Newfield St., No. Chelmsford, Mass.  
 ICST Francis P. Canney.....5 Malden St., Boston, Mass.  
 ICST Wendell B. Lambe.....21 Bryant St., Springfield, Mass.  
 ICST Fred P. Webber.....15 Puritan Rd., Swampscott, Mass.  
 ICST Walter G. Thurston.....Alston St., Lynn, Mass.  
 ICST Malcolm A. Gordon.....1156 Washington St., S. Brntree, Mass.  
 ICST Maxwell Cohen.....Montrille, Conn.  
 ICST Robert C. Higgy.....44 E. Mansfield St., Hartford, Conn.  
 ICST Unassigned.....  
 ICST Harold G. Carlin.....Keene, N. H.  
 ICST Harold E. Morse.....292 Humphrey St., Swampscott, Mass.  
 ICST Charles L. Towle.....53 Union St., Auburn, Me.  
 ICST Chester L. N. Emerson.....14 Goddard St., Webster, Mass.  
 ICST Lyman A. Byam, Jr.....Acton St., So. Chelmsford, Mass.  
 ICST John B. Henry.....Lincoln, N. H.  
 ICST Perley H. Douglas.....Taylor Ave., Buzzards Bay, Mass.  
 ICST Alan W. Hotchkiss.....28 Locke St., Ansonia, Conn.  
 ICST Warren S. Atwood.....30 Sea St., New Haven, Conn.  
 ICST Raymond G. Kinch.....12 Gay St., No. Chelmsford, Mass.  
 ICST George A. Cary.....231 Pleasant St., Brockton, Mass.  
 ICST John W. Packard.....1442 Washington St., Canton, Mass.  
 ICST Joseph Traves.....3 Gifford St., New Bedford, Mass.  
 ICST Walter Rossmelsl.....170 Silver St., Greenfield, Mass.  
 ICST Harold R. Fredericks.....11 Hope St., Pawtucket, R. I.  
 ICST Walter E. Berger.....3151 Main St., Stratford, Conn.  
 ICST Herbert Newma.....21 Converse St., Worcester, Mass.  
 ICST Unassigned.....  
 ICST Edward F. Gaudet.....7 Maxwell St., Bath, Me.  
 ICST Felix W. Striebe.....233 Goddard Ave., Bridgeport, Conn.  
 ICST Herbert S. Barnett.....R. 993 Manton Ave., Providence, R. I.  
 ICST Boy Scouts & Wor. N. Radio A. Fitchburg, Mass.  
 ICST J. S. Day.....47 Madison Ave., Revere, Mass.  
 ICST Robert S. MacArthur.....2 Cambridge Terrace, Cambridge, Mass.  
 ICST F. M. Olfert.....309 Washington St., Braintree, Mass.  
 ICST E. J. Gallagher.....16 Appleton St., Atlantic, Mass.  
 ICST Frank Wigglesworth.....Bridge St., Manchester, Mass.  
 ICST L. P. Taylor.....East Bridgewater, Mass.  
 ICST Tabor Academy Radio Club.....Marion, Mass.  
 ICST Ralph S. Johnson.....502 Huron St., Cambridge, Mass.  
 ICST William L. Collins.....44 Carver Rd., Newton Highlands, Mass.  
 ICST A. H. Wood, Jr.....17 Cabot St., Winchester, Mass.  
 ICST Geo. W. Butterfield.....14 Birch Hill Ave., Wakefield, Mass.  
 ICST Ellerton W. Whittier.....63 Terrace Ave., Winthrop, Mass.  
 ICST J. W. Foster.....Georgetown, Conn.  
 ICST Arthur E. Ridley.....49 Beacon St., Winthrop, Mass.  
 ICST Kendall A. Redfield.....18 Macae Place, Lynn, Mass.  
 ICST William H. Lewis, Jr.....226 Upland Rd., Cambridge, Mass.  
 ICST Conover Fitch.....50 Dunster Rd., Brookline, Mass.  
 ICST Harrie E. Duncan.....34 Foster St., Newtonville, Mass.  
 ICST Olof Ohlson.....472 Crafts St., Newton, Mass.  
 ICST Edward E. Hayward, Jr.....50 Hall Ave., Watertown, Mass.  
 ICST J. D. Mac Gregor.....52 Pleasant St., Stamford, Conn.  
 ICST Lester A. Pulley.....33 Porter St., Melrose, Mass.  
 ICST Edgar W. Nickerson.....16 Atlantic Ave., Beverly, Mass.  
 ICST Jas. F. White.....111 Lexington St., E. Boston, Mass.  
 ICST Everett S. Rodgers.....69 High St., Portland, Me.  
 ICST Francis H. Cummings.....6 Joy St., Boston, Mass.  
 ICST Stanley H. Ware.....75 Winthrop St., Everett, Mass.  
 ICST Frank A. Arsenault.....287 Center St., Bath, Me.  
 ICST A. V. Johnson.....120 Henry Ave., Lynn, Mass.  
 ICST J. F. Archibald.....19 South St., Medford, Mass.  
 ICST Alexander R. Johnson.....19 Almy St., Providence, R. I.  
 ICST G. A. Marsh.....34 Cambridge Terrace, Cambridge, Mass.  
 ICST H. E. Foley.....32 Tufts Ave., Everett, Mass.  
 ICST H. N. Armbrust.....Jamestown, R. I.  
 ICST J. L. Gurnsey.....Ellsworth, Me.  
 ICST Alston F. Wheelden.....Ellsworth, Me.  
 ICST Cleon C. Hammond.....Abington, Mass.  
 ICST R. D. Brewer.....26 Broadway, Newtonville, Mass.  
 ICST W. C. Erwin.....523 Shirley St., Winthrop, Mass.  
 ICST Peter A. Mac Intyre.....6 Fair Oaks Ave., Providence, R. I.  
 ICST Robert D. Huston.....19 Nereus St., Portland, Me.  
 ICST D. B. H. Smith.....140 Oak St., Lewiston, Me.  
 ICST Arthur F. Moulton.....102 North St. W., Somerville, Mass.  
 ICST Edward L. Belnap.....91 Vine St., Hartford, Conn.  
 ICST F. K. Ostrander, Jr.....254 Franklin St., Springfield, Mass.  
 ICST Harry J. Hoffman.....8 Estrella St., Jamaica Plain, Mass.  
 ICST George R. Caron.....Danielson, Conn.  
 ICST Robert P. Hazzard, Jr.....64 Winter St., Gardiner, Me.  
 ICST R. F. Siskind.....1136 Beacon St., Brookline, Mass.  
 ICST George A. Brown.....301 Prospect St., Pawtucket, R. I.  
 ICST Dallas E. White.....338 Spring St., Brockton, Mass.  
 ICST Phillip K. Baldwin.....101 Fellsway, Medford, Mass.  
 ICST W. J. Coughlin.....36 Washington St., Arlington, Mass.  
 ICST Robert A. Miller.....1314 Main St., Brockton, Mass.  
 ICST Frank V. O'Neill.....196 Hamilton St., Dorchester, Mass.  
 ICST Arthur B. Donovan.....49 Bigelow, Rockland, Mass.  
 ICST Harry E. Upton.....55 Chase St., S. Portland, Me.  
 ICST L. G. Cumming.....Scarboro, Me.  
 ICST Albert E. Spow.....30 Carey Ave., Chelsea, Mass.  
 ICST James L. Hubbard.....Scotland Road, Norwich, Conn.  
 ICST Thomas A. Cochrane.....21 Putnam Ave., Cambridge, Mass.  
 ICST Patrick J. Furlong.....6 Glenside Ave., Jamaica Plain, Mass.  
 ICST Clarence E. Albot.....66 Franklin St., New London, Conn.  
 ICST Eiser Rosen.....171 Beechwood Ave., Bridgeport, Conn.  
 ICST Chesleigh C. Chisholm, Jr.....862 E. Squanham St., Squanham, Mass.  
 ICST Robert F. Potter.....73 Bowles St., Springfield, Mass.  
 ICST Edwin B. Dalling.....103 Spring St., Arlington, Mass.  
 ICST William A. Gordon.....Charles River Road, Cambridge, Mass.  
 ICST Y. M. C. A.....Portland, Me.  
 ICST Forrest L. Adams.....Hartford, Vt.  
 ICST Joseph A. Sjogran.....33 Maltby Place, New Haven, Conn.  
 ICST Bradford L. Barrett.....47 Forrest St., Springfield, Mass.  
 ICST George F. Donnelly.....Main St., S. Meriden, Conn.

1FR Lester I. Jenkins.....923 Purchase St., New Bedford, Mass.  
 1FS Harold F. Southwick.....R. F. D. No. 1, Swansea, Mass.  
 1FT John W. Marren.....39 Touro St., Newport, R. I.  
 1FU William L. Slaney.....6 Gibson St., Dorchester, Mass.  
 1FV Rahna W. Pratt.....208 Longfellow St., Westbrook, Me.  
 1FW Frank M. Ham.....34 Prescott St., Bridgeport, Conn.  
 1FX B. H. Olsen.....659 Washington Av., West Haven, Ct.  
 1FY Harold L. Johnstone.....Farmington, N. H.  
 1FZ Jas. E. Thayer.....121 Grant St., Bangor, Me.  
 1GA George A. Heckerly.....87 Quincy Ave., East Dedham, Mass.  
 1GB Frank E. Reeves.....10 Porter St., Everett, Mass.  
 1GD Ellwood C. Forsyth.....57 Day Ave., Westfield, Mass.  
 1GE Bryant H. Gardner.....8 Lincoln St., North Easton, Mass.  
 1GF Harry C. Gifford.....66 Center St., North Easton, Mass.  
 1GG Eugene J. Callahan.....S. Hamilton, Mass.  
 1GH Robert H. Sproul.....11 Van Buren Ave., Dedham, Mass.  
 1GI L. B. Salt.....21 Spring St., Everett, Mass.  
 1GJ Carl W. Erickson.....73 Liberty St., Meriden, Conn.  
 1GK T. P. Coogan.....93 Cliff Ave., Winthrop, Mass.  
 1GL Carroll R. Sawyer.....Manchester, N. H.  
 1GM L. V. Cleveland.....126 Park St., Beverly, Mass.  
 1GN 14 Kensington Rd., Arlington, Mass.  
 1GO J. M. Campbell.....175 Walnut Ave., Roxbury, Mass.  
 1GP Abraham Barber.....23 Oliver St., Malden, Mass.  
 1GQ Earl S. Peckham.....22 Summitt Ave., Bangor, Me.  
 1GR Nyles L. Lamson.....137 Langdon Ave., Watertown, Mass.  
 1GS G. J. Kohler.....16 Mesgrove Ave., Roslindale, Mass.  
 1GT R. F. Fleis.....130 Washington Ave., Chelsea, Mass.  
 1GU Ernest H. Macurdy.....28 Chester St., Watertown, Mass.  
 1GV E. H. Tilley.....571 Columbus Ave., Boston, Mass.  
 1GW Herbert K. Nock.....27 Lafayette St., Newburyport, Mass.  
 1GX William J. Hill.....594 E. 7th St., Boston, Mass.  
 1GY Lee A. Bates.....3 Blodgett Place, Worcester, Mass.  
 1GZ Unassigned  
 1HA Lloyd C. Greene.....142 Raymond St., Cambridge, Mass.  
 1HB Gerald E. Travis.....59 Kenmore Rd., Medford, Mass.  
 1HC Harry R. Chettham.....74 Avon St., Somerville, Mass.  
 1HD Robert N. Henderson.....17 Middle St., Marblehead, Mass.  
 1HE Wallace A. Battison.....8 Herson St., Stoneham, Mass.  
 1HF Henry E. Davies, Jr.....Box 218, Vineyard Haven, Mass.  
 1HG George H. Proulx.....211 Payerweather St., Cambridge, Mass.  
 1HH Cancelled  
 1HI Elmer H. Walter.....39 Cleveland St., Melrose, Mass.  
 1HJ Matthew Camillo.....61 Steuben St., Bridgeport, Conn.  
 1HK P. Francis Hahn.....33 St. Anselm Col., Manchester, N.H.  
 1HL Howard R. Gurney.....130 Dublin St., Springfield, Mass.  
 1HM Leon W. Bishop.....160 Cottage St., Athol, Mass.  
 1HN H. S. Johnson.....87 Oxford St., Hartford, Conn.  
 1HO George D. Mallory.....173 Lexington Place, Bridgeport, Conn.  
 1HP Stanley M. Humphrey.....12 Humphrey St., Swampscott, Mass.  
 1HQ George W. Gillman.....36 Hancock St., Boston, Mass.  
 1HR Frank A. Hoefner.....22 Armstrong St., Boston, Mass.  
 1HS Watertown Radio Club.....Watertown, Mass.  
 1HT Donald H. Ryder.....27 Beacon Pl., Newton Up. Falls, Mass.  
 1HU Ralph S. Davis.....176A Elm St., Everett, Mass.  
 1HV William J. Meekin.....144 Exchange St., Rockland, Mass.  
 1HW B. W. Munroe.....38 Beacon St., Everett, Mass.  
 1HX Homer MacDonald.....413 N. Main St., North Natick, Mass.  
 1HY L. S. Bennett.....2 Lawrence St., Everett, Mass.  
 1HZ Dwight E. Blanchard.....212 Whitman Ave., Whitman, Mass.  
 1IA Horace H. Soule, Jr.....371 Walnut St., Brookline, Mass.  
 1IB Edward Herick.....15 Mansfield St., Allston, Mass.  
 1IC Stanley E. Marie.....685 Elm St., Waterbury, Conn.  
 1ID John B. Pace.....27 Cummings Ave., Wollaston, Mass.  
 1IE Willard E. Boudette.....194 Elm St., Everett, Mass.  
 1IF Clayton M. Howdette.....161 Elm St., Everett, Mass.  
 1IG Albert D. Hines.....14 King St., Dorchester, Mass.  
 1IH Carl J. Marshall.....204 Bowen St., Providence, R. I.  
 1II Carl J. Johnson.....235 Newbury St., Quincy, Mass.  
 1IK Harold E. Kimball.....19 Jackson Ave., Everett, Mass.  
 1IL R. A. Nystrom.....336 Elm St., W. Springfield, Mass.  
 1IM Theodore P. Bruno.....405 Mass. Ave., Boston, Mass.  
 1IN George W. Nichols.....3 Linwood St., Saucus, Mass.  
 1IO W. K. Bowers.....10 Samoset St., Dorchester, Mass.  
 1IP Albert E. Powell.....40 Hinds St., Wollaston, Mass.  
 1IQ George F. Fogg.....52 Upham St., Melrose, Mass.  
 1IR Carl T. Crosby.....21 Cambridge Terrace, Allston, Mass.  
 1IS Harry L. Sawyer.....21 Newhall St., Lynn, Mass.  
 1IT Robert E. Parker.....Tilton, N. H.  
 1IU Moses B. L. Bradford.....60 Main St., Concord, Mass.  
 1IV Charles H. Campbell.....66 Vine St., Bridgeport, Conn.  
 1IW Charles F. Walte.....Church St., Arlington, Mass.  
 1IX Harold B. Stone.....117 Sumner St., Weymouth, Mass.  
 1IY Clarence L. Stocker.....6 Harvard Ave., East Saugus, Mass.  
 1IZ W. H. Godfrey.....78 Park St., West Roxbury, Mass.  
 1JA Ambrey R. Goodwin.....190 Warwick Rd., Melrose, Mass.  
 1JB John P. Lynch.....19 Sheffield Rd., Roslindale, Mass.  
 1JC Frederick G. Sargent.....Granterville, Mass.  
 1JD Frank A. Young.....523 W. Main St., W. Meriden, Conn.  
 1JE Harold A. Larson.....122 West St., Worcester, Mass.  
 1JF A. W. Manchester.....54 Gibbs Ave., Newport, R. I.  
 1JG Joseph Haskell.....31 Whitney St., Cliffdale, Mass.  
 1JH Clarence A. Rhodes.....1921 Main St., Bridgeport, Conn.  
 1JI George H. Colburn.....210 Brown St., Waltham, Mass.  
 1JJ Kenneth A. Trites.....328 E. Foster St., Melrose, Mass.  
 1JK Henry S. Shaw, Jr.....78 Cypress St., Newton Center, Mass.  
 1JL Frank Gorecys.....3 Columbia St., Adams, Mass.  
 1JM Francis C. O'Neill.....62 East St., Dorchester, Mass.  
 1JN Charles L. Yeaton.....4744 Butman St., Beverly, Mass.  
 1JO Elmer E. Bassett.....59 Franklin Ave., Hartford, Conn.  
 1JP Henry S. Robinson.....126 Pleasant St., Attleboro, Mass.  
 1JQ Archibald S. McLean.....585 Army St., Springfield, Mass.  
 1JR Lincoln F. Sue.....31 Powder House Road, Medford, Mass.  
 1JS George W. Fyler.....144 Greenwood St., New Haven, Conn.  
 1JT Ralph M. Bray.....175 Main St., Norwalk, Conn.  
 1JU Everett C. Nash.....27 Pemberton St., Worcester, Mass.  
 1JV L. R. Pelouquin.....4 Palm St., Worcester, Mass.  
 1JW Robert H. Cowan.....20 Lamb St., S. Hadley Falls, Mass.  
 1JX Angus M. Mac Neill.....120 Jacques St., Somerville, Mass.  
 1JY Theodore F. Kalinsky.....R. F. D. No. 1, Killingly, Conn.  
 1JZ Fred S. Kenney.....11 Madison Ave., Beverly, Mass.  
 1KA Unassigned  
 1KB R. E. Chandler.....Salem Depot, Northampton, Mass.  
 1KC Frank Lyman, Jr.....Port Hill, Northampton, Mass.  
 1KD Warren B. Froughton.....56 W. Elm Ave., Wollaston, Mass.  
 1KE Harry F. Clarke.....14 Charles St., Beverly, Mass.  
 1KF Foster St. Clair.....33 Cummings Ave., Wollaston, Mass.  
 1KG Unassigned  
 1KH Vernal E. Fuller.....24 Pearl St., Dorchester, Mass.  
 1KI Louis A. Jaques.....33 Pond St., Winchester, Mass.  
 1KJ Charles McAuley.....64 Sachem St., Roxbury, Mass.  
 1KK Henry M. Baler.....18 Baker Rd., Everett, Mass.  
 1KL Minot M. Simmons.....175 Poplar St., Roslindale, Mass.  
 1KM Herbert O. Worthy.....44 Bryant St., Malden, Mass.  
 1KN Kenneth C. Bridgman.....22 Burnham St., Waverly, Mass.  
 1KO Harold R. Greene.....West Hanover, Mass.  
 1KP C. E. Dixon.....5 Rand Place, Roxbury, Mass.  
 1KQ Earl F. Hancock.....10 Vane St., Atlantic, Mass.  
 1KR G. E. White.....38 Cummings Ave., Wollaston, Mass.

1KS George L. Gates.....19 Mountain Ave., Malden, Mass.  
 1KT Phillip A. Ballew.....48 Washington St., Middletown, Conn.  
 1KU Charles E. Hallett.....28 Norcross Terrace, Lynn, Mass.  
 1KV Winifred S. Dunklee.....Middletown, Conn.  
 1KW Ernest W. Marrow.....West Roylston, Mass.  
 1KX R. B. Chase.....West Baldwin, Me.  
 1KY Louis E. Fullerton.....13 Willard Ave., Whitman, Mass.  
 1KZ Clarence R. Eldridge.....41 Lawrence St., Wakefield, Mass.  
 1LA Howard H. Rowe.....29 Reed St., Springfield, Vt.  
 1LB Charles H. Leave.....161 Allston St., Allston, Mass.  
 1LC William H. Carney.....90 Appleton St., Lowell, Mass.  
 1LD A. Barber.....260 Walnut Ave., Roxbury, Mass.  
 1LE Charles F. Emerson.....512 Westford St., Lowell, Mass.  
 1LF Wesley A. Sowie.....58 Winthrop St., Winthrop, Mass.  
 1LG W. R. Entwistle.....41 C St., Lowell, Mass.  
 1LH A. Ralph Tabbut.....5 West St., Portland, Me.  
 1LI Vernon K. Wilton.....6 First South St., Bar Harbor, Me.  
 1LJ Leo Jarrett.....19 Pawtucket St., Lowell, Mass.  
 1LK William G. Atherton.....68 Forest St., Lowell, Mass.  
 1LL Lowell Radio Club.....Lowell, Mass.  
 1LM Charles H. McMaster.....Chelmsford, Mass.  
 1LN Charles W. Lombard, Jr.....125 Dover St., Lowell, Mass.  
 1LO Joseph D. Gullemette.....70 Maxill St., Pawtucket, R. I.  
 1LP Elliot S. Pratt.....120 Mount Vernon St., Lowell, Mass.  
 1LQ Ernest E. McAviney.....169 Columbus Ave., New Haven, Conn.  
 1LR Walter M. Conley.....536 Gorham St., Lowell, Mass.  
 1LS Ralph Y. Scott.....295 Foster St., Lowell, Mass.  
 1LT Everett E. Taylor.....156 Winthrop Ave., Lowell, Mass.  
 1LU William F. S. Coppen.....11 Liberty St., Lowell, Mass.  
 1LV Edmund Buckley.....1605 Gorham St., E. Chelmsford, Mass.  
 1LW Albert E. Mertrud.....158 Howard St., Lowell, Mass.  
 1LX Randolph B. Reed.....243 Westford St., Lowell, Mass.  
 1LY Chas. H. Peterson.....Yarmouthville, Me.  
 1LZ John E. McMaster.....Chelmsford Center, Mass.  
 1MA James B. Armstrong.....40 Springdale Ave., Pittsfield, Mass.  
 1MB William M. Bailey.....31 Tudor St., Lynn, Mass.  
 1MC Bernard H. Stevens.....118 Brook Road, Manchester, N. H.  
 1MD S. Connolly.....47 Draper St., Dorchester, Mass.  
 1ME Wendell L. Wright.....250 Newbury St., Boston, Mass.  
 1MF Wendell L. Wright.....114 Exchange St., Rockland, Mass.  
 1MG E. T. Rosberg.....52 Vine St., New Britain, Conn.  
 1MH Charles V. Clark.....7 Riverview Ave., Danvers, Conn.  
 1MI Thomas C. Barnham.....Abington, Mass.  
 1MJ Roland E. Burditt.....8 W. Water St., Wakefield, Mass.  
 1MK George A. Chute.....32 Bullard St., Dedham, Mass.  
 1ML E. H. Remington.....172 School St., Somerville, Mass.  
 1MM Gerard Langelier.....118 Franklin Ave., Wollaston, Mass.  
 1MN George W. Hulsman.....5 W. Emerson St., Melrose, Mass.  
 1MO F. H. Schnell.....134 Oakland Terrace, Hartford, Conn.  
 1MP Theodore E. Neuhais.....228 Bloomfield St., Windsor, Conn.  
 1MQ Michael A. J. Sannella.....235 Lexington St., E. Boston, Mass.  
 1MR W. S. Hamilton.....Cliffdale, Mass.  
 1MS Charles A. Higgins.....17 Pond St., Waltham, Mass.  
 1MT Robert W. Finley.....Derby, Conn.  
 1MU Samuel C. Bonito.....23 Granite St., Roslindale, Mass.  
 1MV Lloyd Manual.....6 Nifel Terrace, Newport, R. I.  
 1MW Howard Baumann.....7 Bellevue Terrace, Medford, Mass.  
 1MX Roy L. Libby.....318 Maiden St., Medford, Mass.  
 1MY Donald C. S. Comstock.....1622 Main St., E. Hartford, Conn.  
 1MZ Raymond H. Shaw.....7 Kingsley Ave., Rutland, Vt.  
 1NA Joseph P. Furrier.....19 Tudor St., Lynn, Mass.  
 1NB Warren F. Jepson.....Melrose Highlands, Mass.  
 1NC Walter W. Reynolds.....159 Salem St., Malden, Mass.  
 1ND Bertrand P. Lavoque.....91 Blake St., Lewiston, Me.  
 1NE John F. McMahon, Jr.....56 West Ave., South Norwalk, Conn.  
 1NF Arthur E. Ericson.....48 Railroad St., Beverly, Mass.  
 1NG Raymond P. Caldwell.....18 Morton St., Providence, R. I.  
 1NH Harold M. Claibn.....194 Western Ave., Waterville, Me.  
 1NI Manley C. Potter.....83 Pleasant St., Holyoke, Mass.  
 1NJ William V. Polleys, Jr.....97 Taber Ave., Providence, R. I.  
 1NK Fred L. Hunkins.....17 Center St., Laconia, N. H.  
 1NL Sherman W. Lynch.....26 Abbott St., Beverly, Mass.  
 1NM George O. Ekwall.....30 Fairmont Ave., Waltham, Mass.  
 1NN William J. Pahl.....745 E. 5th St., South Boston, Mass.  
 1NO Carleton F. Wright.....Raywater, Plymouth, Mass.  
 1NP William B. Gould.....Roslindale, Mass.  
 1NQ Donald R. Taber.....7 Yale St., Holyoke, Mass.  
 1NR Robert R. Davis.....45 Elm St., Saugus, Mass.  
 1NS J. F. Hardy.....57 Island St., Essex, Mass.  
 1NT John F. Lamond.....150 Lewis St., Fall River, Mass.  
 1NU Ernest C. Remick.....Attery, Me.  
 1NV W. H. Barry.....66 Shore Drive, Winthrop, Mass.  
 1NW James N. Whitley.....135 Antrim St., Cambridge, Mass.  
 1NX Nathan Norak.....3719 N. Main St., Bridgeport, Conn.  
 1NY Cancelled  
 1NZ Victor E. Rosen.....130 Court Rd., Winthrop, Mass.  
 1OA A. Ralph Tabbut.....Bar Harbor, Me.  
 1OB Cancelled  
 1OC Stanley J. Promark.....18 Grosvenor St., Springfield, Mass.  
 1OD Seahury B. Waring.....Tiverton, R. I.  
 1OE Harold W. Bean.....Pascatauck, N. H.  
 1OF F. P. Van Buren, 3rd.....East Pine Hill, Me.  
 1OG Charles E. Hyde.....11 Sydney St., East Lynn, Mass.  
 1OH Charles W. Gamate.....94 Main St., Lynn, Mass.  
 1OI Thomas C. J. Prior.....15 North St., Pawtucket, R. I.  
 1OJ Raymond W. Farmum.....12 Meeting St., Pawtucket, R. I.  
 1OK Carleton S. Spear.....109 North St., Portland, Me.  
 1OL Manley W. Hastell.....332 Lincoln Ave., Cliffdale, Mass.  
 1OM Carl A. Baker.....491 Main St., Springfield, Mass.  
 1ON Charles A. Harwick.....21 Pleasant St., Stamford, Conn.  
 1OO Edwin H. Fetts.....58 Reid St., Roxbury, Mass.  
 1OP Thayer H. Rounsefell.....Cancelled  
 1OR Plymouth Radio Club.....Plymouth, Mass.  
 1OS Roger K. Ellis.....26 Warwick St., Wollaston, Mass.  
 1OT William R. Morton.....12 N. Park St., Bangor, Me.  
 1OU Hux Lassie.....31 Gardners Lane, Ansonia, Conn.  
 1OV Cancelled  
 1OW Nellann B. Stackpole.....960 Manton Ave., Providence, R. I.  
 1OX Harry G. Alden.....37 Herford Ave., Brockton, Mass.  
 1OY John W. Davidson.....398 Ash St., Brockton, Mass.  
 1OZ Elmore B. Loford.....23 Park St., Bridgeport, Conn.  
 1PA Chas. A. Soherstan.....107 Wilson St., Providence, R. I.  
 1PB Fred J. Caserio.....57 Cedar St., Taunton, Mass.  
 1PC Edmir L. White, Jr.....23 Reynolds Ave., Chelsea, Mass.  
 1PD Richard Morse.....182 State St., Boston, Mass.  
 1PE Stanley Marshall.....25 Braman St., Danvers, Mass.  
 1PF George F. Proctor.....25 Chester St., Watertown, Mass.  
 1PG Henry F. Rand.....92 S. Common St., Lynn, Mass.  
 1PH David Ericson.....10 Wiczin St., Concord, N. H.  
 1PI Thomas G. Waldie.....21 Woodbury St., Beverly, Mass.  
 1PJ Albert E. Coolen.....299 Broadway, Everett, Mass.  
 1PK Harold H. Wish.....142 Sherman St., Portland, Me.  
 1PL William Potter.....19 Sherman Rd., Boston, Mass.  
 1PM Nathaniel B. Judkins.....1474 Pawtucket Av., E. Providence, R. I.  
 1PN Barber Electric Mfg. Co.....N. Attleboro, Mass.  
 1PO Morris Rosenfeld.....12 Seikle St., Cambridge, Mass.  
 1PP Cancelled  
 1PQ Cancelled  
 1PR Boston College.....Newton, Mass.  
 1PS Meriden Radio Club.....85 Colony St., Meriden, Conn.



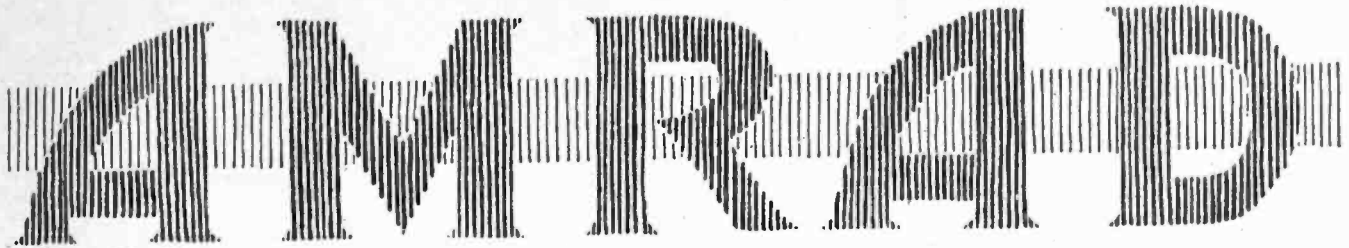
1PT	Edward C. Tompson	22 Cedar St., Hopkinton, Mass.
1PU	Sylvester Ahola	Lanesville, Mass.
1PV	Alton H. Goud	299 Brackett St., Portland, Me.
1PW	J. M. Farnum	26 Merrimac St., Nashua, N. H.
1PX	Elbert C. Brown	11 Harrison St., Stoneham, Mass.
1PY	Whitehall Electric Co.	Stearns Square, Springfield, Mass.
1PZ	Frederick J. Ranlett, Jr.	357 Central St., Auburndale, Mass.
1QA	Henry A. Barnack	9 Saratoga St., East Boston, Mass.
1QB	Ross M. Cunningham	23 Buckingham St., Cambridge, Mass.
1QC	Ernest R. Keyes	31 Mahattan St., Norwood, Mass.
1QD	Harry B. Foss	25 Bridge St., Quincy, Mass.
1QE	Edward J. Van Allen	25 Park Row, Stamford, Conn.
1QF	Kenneth E. Horns	Seekonk, Mass.
1QG	Raymond H. Woodfall	86 Kirtland St., Lynn, Mass.
1QH	Cancelled	
1QI	Ellery E. Estes	1181 Main St., Brockton, Mass.
1QJ	Cancelled	
1QK	Clifford F. Finney	173 Bronx Ave., Bridgeport, Conn.
1QL	Cancelled	
1QM	Harold A. Johnson	45 Broad St., Whitman, Mass.
1QN	Raymond S. Jackson	391 Greenwich Ave., New Haven, Conn.
1QO	Beatrice V. Heath	121 Rowley St., Winsted, Conn.
1QP	John L. Reinarz	South Manchester, Conn.
1QQ	Carleton F. Maylott	186 Derby Ave., Derby, Conn.
1QR	James Ramsey, Jr.	369 Tappan St., Brookline, Mass.
1QS	Cancelled	
1QT	John Morse	17 Hawes St., Brookline, Mass.
1QU	Arthur E. Kumm	163 Hallock Ave., New Haven, Conn.
1QV	Cancelled	
1QW	Clendenn Eckert	Strawberry Hill, Stamford, Conn.
1QX	Reginald T. Albee	Pleasant St., North Troy, Vt.
1QY	James L. Jenks, Jr.	209 Cottage St., Pawtucket, R. I.
1QZ	Franklin B. Allen	154 Ash St., New Bedford, Mass.
1RA	Cancelled	
1RB	Everett C. Atwell	41 Woodford St., Dorchester, Mass.
1RC	Stanley F. Crowhurst	71 Winslow Ave., Norwood, Mass.
1RD	J. Raymond Decker	9 Strathmore Road, Brookline, Mass.
1RE	John F. O'Hara	60 Burrill Ave., Lynn, Mass.
1RF	William H. Connington	27 Linwood Ave., Melrose, Mass.
1RG	Everett L. Bowman	96 Water St., Clinton, Mass.
1RH	Robert W. Hart	159 Essex Ave., Gloucester, Mass.
1RI	Reserved for Radio Insp., 1st Dist.	
1RJ	Harmon W. Leighton	Maple St., Waltham, Mass.
1RK	Marvin B. Hill	57 Liberty St., East Braintree, Mass.
1RL	Harold A. White	Auburndale Rad. Cl., Auburndale, Mass.
1RM	Royal E. Mayo	35 Commercial St., Lynn, Mass.
1RN	Robert C. Bradshaw	221 Beacon St., Boston, Mass.
1RO	Edith E. Rotech	127 Bay State Rd., Boston, Mass.
1RP	Hollis E. Polk	88 Maple St., Waltham, Mass.
1RQ	Earl W. Clark	51 Ford St., Lynn, Mass.
1RR	Elio G. Cavallini	305 Court St., Plymouth, Mass.
1RS	William G. Klein	20 Fairfield St., Springfield, Mass.
1RT	Y. Robert Morse	234 Puritan Rd., Swampscott, Mass.
1RU	Robert S. Miner	68 Quaker Lane, Hartford, Conn.
1RV	Carl G. Ricker	South Hamilton, Mass.
1RW	Edwin B. Dallin	10 Lawn Ave., Quincy, Mass.
1RX	Fearing Pratt	120 Main St., Hingham, Mass.
1RY	Harry S. Holcomb	292 Clinton Rd., Brookline, Mass.
1RZ	John W. Hubbard	Ridgefield, Conn.
1SA	Charles H. Stag	1739 Dixwell Ave., New Haven, Conn.
1SB	Edward J. Hanley	29 Park Ave., Whitman, Mass.
1SC	Talcott M. Banks, Jr.	Second Cliff, Scituate, Mass.
1SD	Harry Hanson	East Braintree, Mass.
1SE	Earl G. Holbrook	5 Whitney St., East Dedham, Mass.
1SF	Samuel Frizzell	7 Durham St., Boston, Mass.
1SG	Dudley B. Woodard	35 Pond St., Greenfield, Mass.
1SH	Leon T. Hutchins	16 Mt. Vernon St., Somerville, Mass.
1SI	John F. Ego	81 Garfield Ave., Revere, Mass.
1SJ	Cancelled	
1SK	Gustave A. F. Werner	Commercial St. Fire Sta., Lynn, Mass.
1SL	Arthur A. Stockellburg	54 Hano St., Allston, Mass.
1SM	Edgar T. Sloan	154 Oxford St., Hartford, Conn.
1SN	W. E. A. Dodke	23 Sargent Ave., Beverly, Mass.
1SO	Rodney L. Dinsmore	31 Shawmut St., S. Portland, Me.
1SP	Sarkis M. Zartarian	211 Payerweather St., Cambridge, Mass.
1SQ	Raymond Sorensen	340 Beechwood Ave., Bridgeport, Conn.
1SR	Orrin Fremont Davis	124 Pearl St., Somerville, Mass.
1SS	Rayburn F. Jefferson	161 Washington St., Islington, Mass.
1ST	Gustave Lemieux	657 Main St., Berlin, N. H.
1SU	Augustus R. Bentley	204 James St., New Bedford, Mass.
1SV	Paul S. Bauer	70 Cherry St., Lynn, Mass.
1SW	Andover Wireless Club	Andover, Mass.
1SX	Paul S. Bauer	Amsbury, Mass.
1SY	Raymond A. Pettey	North Dartmouth, Mass.
1SZ	Joseph A. Morris	56 Cedar St., New Britain, Conn.
1TA	Raymond Gallacher	19 Chautauqua Ave., Nashua, N. H.
1TB	Charles W. Thibedeau	7 Ridgeway St., Lynn, Mass.
1TC	Horace E. Gregory	3 Lewis St., Norwalk, Conn.
1TD	Charles K. Arey	217 Preble St., S. Portland, Me.
1TE	Raymond P. Bessette	Sulford St., S. Billingham, Mass.
1TF	William E. Morrison	206 Conn. Ave., New London, Conn.
1TG	Cancelled	
1TH	Cancelled	
1TI	Harold Beach	10 Woodside Park, Winthrop, Mass.
1TJ	Ledlow B. Mehan	4 Wesley St., Newport, R. I.
1TK	Merrill C. Orsvell	37 Vassall St., Wollaston, Mass.
1TL	Roy E. Wilmott	West Haven, Conn.
1TM	Arthur B. Gibbs	Spring St., Vineyard Haven, Mass.
1TN	Charles J. Mahoney	18 Pond Ave., Newport, R. I.
1TO	William J. McDermott	31 Pleasant St., Bristol, Conn.
1TP	William M. Isherwood	344 Burgess St., Berlin, N. H.
1TQ	Paul P. Ferris	316 Lynnfield St., Lynn, Mass.
1TR	Cancelled	
1TS	Donald H. Mix	40 Stars St., Bristol, Conn.
1TT	Donald T. Pepper	58 E. Haverhill St., Lawrence, Mass.
1TU	Leonard Jesse, Jr.	66 Boaman St., Malden, Mass.
1TV	Marshall H. Fay	36 Park Ave., Winchester, Mass.
1TW	Albert W. Nevers	266 Bowdoin St., Winthrop, Mass.
1TX	John I. McIntyre	10 Violet St., Lynn, Mass.
1TY	Donald E. Moss	36 Sachem St., Lynn, Mass.
1TZ	Herbert J. Hodgdon	31 Brigham St., New Bedford, Mass.
1UA	John A. Pierce	100 Main St., Orono, Me.
1UB	Omer E. Cote	184 Harrison St., Pawtucket, R. I.
1UC	Madelyn L. Meade	Rockland, Mass.
1UD	Samuel Frizzell	Washington St., Duxbury, Mass.
1UE	Armand J. Bosse	239 Blake St., Lewiston, Me.
1UF	Wendell L. Wright	114 Exchange St., Rockland, Mass.
1UG	Luclan F. Ackerman	408 Mill St., New Bedford, Mass.
1UH	Fred Gordon	Belgrade, Me.
1UI	Edward J. Curtis	596 E. Second St., S. Boston, Mass.
1UJ	Allen C. Lawson	10 Dikeman St., Waterbury, Conn.
1UK	Joseph H. Washburn, Jr.	9 Wesley St., Somerville, Mass.
1UL	Ernest L. Shepard	76 Pine St., Bath, Me.
1UM	Jerome Richardson	Ipswich, Mass.
1UN	Joseph B. Dodge	26 School St., Manchester, Mass.
1UO	Wilbert H. Cook	104 Main St., Pittsfield, Mass.
1UP	Bart J. Atwell	25 Peltoma St., Pittsfield, Mass.
1UQ	R. S. Bruneau	15 Harland St., Boston, Mass.
1UR	Henry J. Ackerman	249 Palmer St., New Bedford, Mass.
1US	Cancelled	

1UT	Norman B. Moody	6 Noyes Pl., Augusta, Me.
1UU	Gordon D. Waite	18 Ware St., Lewiston, Me.
1UV	Ralph W. E. Cameron	145 Gates St., Watertown, Mass.
1UW	Thomas P. Elder	68 Williams St., New London, Conn.
1UX	East Bridgewater High School	East Bridgewater, Mass.
1UY	Randolph L. Maxwell	Canton, Mass.
1UZ	John Hardy	Beachmont, Mass.
1VA	Clarence E. Palmer	66 Marne St., New Haven, Conn.
1VB	Francis Foley	559 Washington St., Dedham, Mass.
1VC	Richard Baer	16 Westover St., Pittsfield, Mass.
1VD	Charles E. Hale, Jr.	9 Beech St., Gardiner, Me.
1VE	R. Lee Petersen	11 Lunt St., Norfolk Downs, Mass.
1VF	Gilbert W. Johnson	75 Ontario St., Providence, R. I.
1VG	Ernest J. Cormier	28 Locke St., N. Cambridge, Mass.
1VH	Herbert C. Macdonald	109 Stow St., Waltham, Mass.
1VI	L. W. Sayward	87 Hamden Circle, Wollaston, Mass.
1VJ	E. M. Goddard	17 Constance St., Malden, Mass.
1VK	Norman R. Simmons	45 Oakland St., Bristol, Conn.
1VL	Andrew J. Derrah	112 River St., Mattapan, Mass.
1VM	William Moore	6 Pond St., Winchester, Mass.
1VN	Leslie T. Potts	11 Allyn St., Holyoke, Mass.
1VO	Robert J. Stacker	48 Mountain Ave., Winsted, Conn.
1VP	Malden High School	Malden, Mass.
1VQ	Louis Spelderman	184 Putnam St., New Haven, Conn.
1VR	T. R. Pennypacker	Box 516, Chatham, Mass.
1VS	John H. Halaplan	4 Irving Place, Worcester, Mass.
1VT	W. Robert Dresser	Calais, Me.
1VU	Ralph B. Grout	Monson, Mass.
1VV	J. G. Barrett, Jr.	674 E. 2nd St., S. Boston, Mass.
1VW	Norman T. Carr	333 Moody St., Waltham, Mass.
1VX	Charles A. Tribbett	24 Foote St., New Haven, Conn.
1VY	Alvah A. Morse	563 Washington St., Bath, Me.
1VZ	Albert J. Franklin	6 Wolcott Square, Readville, Mass.
1WA	Henry M. L. Bigelow	1 Fenway Rd., W. Hartford, Conn.
1WB	Edmund I. Waldman	73 Whitmarsh St., Providence, R. I.
1WC	Connecticut Elec. Instrument Co.	54 Church St., Hartford, Conn.
1WD	Walter S. Davis	23 Johnson Place, Auburndale, Mass.
1WE	Robert L. Northrop	Weatogue, Conn.
1WF	Frederick H. Drake	303 Mt. Auburn St., Watertown, Mass.
1WG	Edmund W. Burke	76 Spruce St., Watertown, Mass.
1WH	Phillip L. Warren	91 Russell St., Waltham, Mass.
1WI	Kermit F. Hanson	126 Brown St., S. Portland, Me.
1WJ	William J. Flanders	19 Royal St., Allston, Mass.
1WK	Phillip Boone	19 Grove St., Winchester, Mass.
1WL	Hobart L. Morin	Berry Ave., West Yarmouth, Mass.
1WM	Frederick G. Frueh	20 Arcadia Park, Dorchester, Mass.
1WN	Charles E. Duffy	65 Bloomfield St., Dorchester, Mass.
1WO	John W. Whitmore	64 Meadow St., Pawtucket, R. I.
1WP	Donald B. Clarke	75 Yale St., Springfield, Mass.
1WQ	Roland W. Estabrooks	33 Parkland Ave., Lynn, Mass.
1WR	George E. M. Bertram	34 Hadley Ave., Watertown, Mass.
1WS	J. H. Halaplan	4 Irving Place, Worcester, Mass.
1WT	Louis M. Higgins	119 Myrtle St., Manchester, N. H.
1WU	Edwin B. Ruggles	104 Putnam St., Quincy, Mass.
1WV	Arthur W. Sawyer	33 High St., Yarmouth, Me.
1WW	Frederick Waite	9 High Rock Way, Allston, Mass.
1WX	Charles R. Sauer	Old Field Rd., Fairfield, Conn.
1WY	William Seaver	16 Homestead St., Roxbury, Mass.
1WZ	Henry M. Wallingford	901 Broadway, West Somerville, Mass.

## Special Radio Stations of the First District

1XA	James C. Ramsey	369 Tappan St., Brookline, Mass.
1XAA	Perceval E. Fansler	Noroton Heights, Conn.
1XAB	Clapp-Eastham Co.	139 Main St., Cambridge, Mass.
1XAD	Standard Radio & Elec. Co.	Pawtucket, R. I.
1XAE	Westinghouse Elec. & Mfg. Co.	Springfield, Mass.
1XAF	Edison Elec. Ill. Co.	39 Boylston St., Boston, Mass.
1XAG	Edison Elec. Ill. Co.	39 Boylston St., Boston, Mass.
1XAH	University of Maine	Orono, Me.
1XB	Minton Cronkhite	North St., Greenwich, Conn.
1XC	Bangor Railway & Electric Co.	Grant St., Ellsworth, Me.
1XD	Western Electric Co., Inc.	Green Harbor, Mass.
1XE	American Radio & Research Corp.	Medford, Mass.
1XG	Bangor Railway & Electric Co.	84 Harlow St., Bangor, Me.
1XH	Yale University	New Haven, Conn.
1XI	John H. Hammond, Jr.	Gloucester, Mass.
1XJ	Harvard University	Cambridge, Mass.
1XK	Boston College	Newton, Mass.
1XL	General Electric Co.	West Lynn, Mass.
1XM	Massa. Inst. of Technology	Cambridge, Mass.
1XN	Wesleyan University	Middletown, Conn.
1XO	General Radio Co.	11 Windsor St., Cambridge, Mass.
1XP	Leon W. Bishop	160 Cottage St., Athol, Mass.
1XQ	Lloyd C. Greene	88 Somerset Ave., Winthrop, Mass.
1XS	Otis C. White	15 Harland St., Worcester, Mass.
1XT	The Bristol Co.	Waterbury, Conn.
1XV	C. D. Tuska Co., Inc.	Hartford, Conn.
1XX	Brown University	Providence, R. I.
1XZ	Clark University	Worcester, Mass.
1YB	Dartmouth College	Hanover, N. H.
1YC	Eastern Radio Institute	Boston, Mass.
1YD	Norwich University	Northfield, Vt.
1YK	Worcester Polytechnic Institute	Worcester, Mass.
1YS	Massa. Radio & Teleg. School	Boston, Mass.
1ZE	Irving Vermilya	24 Allen St., Marlton, Mass.



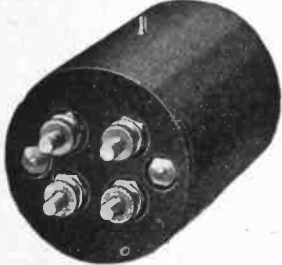


*The Recognized Symbol of Superior Performance*

**Use Up-to-Date Parts—  
Properly Designed,  
Of Known Manufacture**



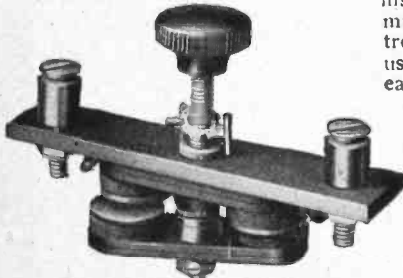
**Amplifier 2620**  
Price \$5.00  
Designed for broadcasting amplification and use with Radiotron Tubes.



**Radiformer** (4 types, according to wavelength). Price \$5.00 each.  
A practical Radio Frequency Amplifying Transformer designed for use with Radiotron Tubes.



**Fixed Condenser** (7 capacities) 2618.  
Highly efficient. Price 45c each.



**Vernier Variometer 2610**  
Easily mounted to any panel. Dimensions 3x1 1/2 x 1 1/2 in. Leads provided for quick connection. Price \$2.50

With so many unknown radio parts on the market, it is little wonder that the man who wants to build his own is liable to assemble a receiving set that later proves unsatisfactory—equipment he afterwards discards, or afterwards rebuilds at additional expense.

The Amrad Line offers the radio experimenter numerous Receiving Specialties of KNOWN value—Specialties resulting from over SEVEN YEARS actual radio research and engineering development—Specialties not only up-to-date, but a little ahead of the Time—Specialties invariably found, one or more in number, in the homemade equipment of the expert amateur.

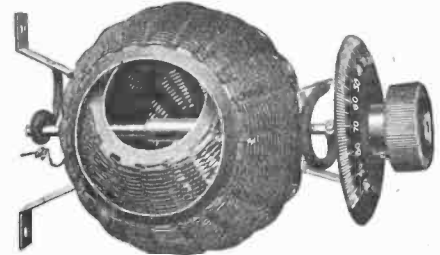
Illustrated on this page are a few of these AMRAD Specialties. For efficient radio amplification, the new AMRAD Radiformer has proved practical wherever used. For audio amplification, it is the Amplifier, because of its highest possible amplification feature. Comparative tests prove 25% to 50% greater amplification—WITHOUT DISTORTION—than can be obtained with any other type of transformer. (We guarantee this statement.) Amrad Transformers were designed for modern broadcasting and for use with Radiotron Tubes.

Amrad Basketball Variometers and Couplers need no description. In every comparative test they have been awarded First Prize—without exception—without reservation. The patented basket-weave winding insuring low dielectric losses and consequently maximum strength of signal, together with their extremely low cost (due to the recent development by us of special automatic machinery for production) easily explain their popularity.

Amrad Potentiometer 3397 is the newest and latest development in control devices, finding application in Radio Frequency circuits. Amrad Vernier Variometer 2610 is especially popular with builders of receivers designed to yield utmost performance at the shorter wavelengths. Unlike a vernier condenser, this device does not produce capacity effects.

Amrad Receiving Specialties are described in detail in Bulletin C. Write for free copy.

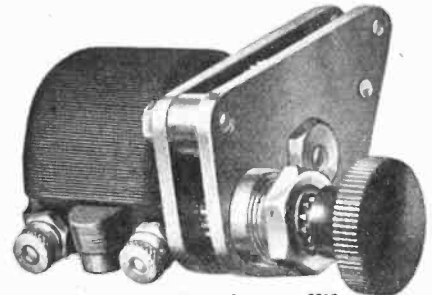
We also manufacture the latest in complete Receiving Sets, as well as a number of Transmitting Specialties of immediate appeal to the American amateur. Complete Catalog 10 cents in stamps.



**Basketball Variometer 2606**  
New Price \$4.50. The most efficient Variometer on the market. Shaft 3/16 in. diameter. (Fasten small piece of sleeving over end for knob with larger hole.)

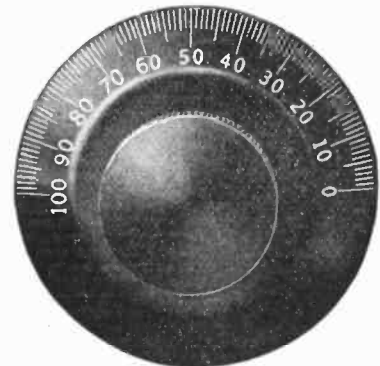


**Grid Leak (6 values) 2332**  
Price 80c each  
1/2 and 1 megohms recommended for Radiotrons.



**Vernier Potentiometer 3397**  
Price \$3.85

A vernier device especially popular in Radio Frequency Circuits.



**Knob and Dial (100 or 50 scale)**  
Price 75c  
Fits 3/16 in. shaft. Properly insulated.

**AMERICAN RADIO AND RESEARCH CORPORATION**

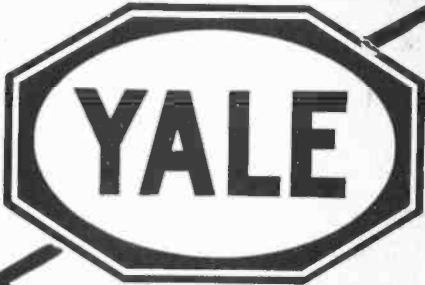
Department 19

**General Offices and Main Works:  
Medford Hillside, Mass.**

New York District Office  
15 Park Row

Chicago District Office  
220 South State St.

Tell 'Em You Saw It in the Citizens Radio Call Book



YALE



# RADIO "B" BATTERIES



Plain Types

Suitable for building up voltage in conjunction with Variable Type "B" Batteries. We manufacture this type in 15 and 30 cell units, 22½ and 45 volts, enclosed in waterproof cardboard box, equipped with one positive and one negative wire lead.

No.	Volts	No. Cells	Lgth. Wdth. Hgth.	List
1515	22½	15	3¾ x 2 x 2½	\$1.75
1510	22½	15	5 x 3 x 2½	2.00
1512	22½	15	6½ x 4 x 3	2.50

Nos. 1510 and 1512 are recommended for all vacuum tube work where variable batteries are unnecessary. Many sets use one of these and either No. 1510V or No. 1512V for the entire plate voltages up to 45 volts.

No.	Volts	No. Cells	Lgth. Wdth. Hgth.	List
3010	45	30	5 x 6 x 2½	\$4.00
3012	45	30	13 x 4 x 3	5.00

No. 3010 and No. 3012 fulfill every requirement demanded of a 45 volt untapped battery. For use on amplifiers and loud speakers. Applicable also for radio phone sending.

NOTE:—Any dry cell, irrespective of its size, gives approximately 1½ volts. The size of a cell determines its amperage only. Thus, while No. 1512 gives the same voltage as No. 1515, its amperage is considerably higher. It delivers a much greater amount of current.

MUST SATISFY



The New Yale Contact Clip "Holds-em-Fast"



Whether it be a flat terminal or plain wire, this contact clip grips it firmly and assures a perfect connection.

Vacuum Tube Detector and Amplifier operation require "B" Batteries which render noiseless operation, give long life, maintain steady voltage, do not short circuit and have a low rate of depreciation.

Yale Batteries accomplish this.



Variable Types

Most desirable for use with vacuum detector tubes. Equipped with five positive voltage taps ranging from 16½ to 22½ volts, also 27 to 45 volts.

These types made in 15 and 30 cell units, enclosed in waterproof cardboard box. All fitted with new Yale Contact Clips that "Hold 'em Fast."

Furnished with one negative and five positive taps, giving 16½, 18, 19½, 21 or 22½ volts.

No.	Volts	No. Cells	Lgth. Wdth. Hgth.	List
1510V	22½	15	5 x 3 x 2½	\$2.50
1512V	22½	15	6½ x 4 x 3	3.00

Furnished with one negative and five positive taps, giving 27, 31½, 36, 40½ or 45 volts.

No.	Volts	No. Cells	Lgth. Wdth. Hgth.	List
3010V	45	30	5 x 6 x 2½	\$4.75

Provided with one negative and five positive taps giving 16½ to 22½ volts for detector tube control and a 45 volt tap for amplifier tubes.

No.	Volts	No. Cells	Lgth. Wdth. Hgth.	List
3045V	45	30	8 x 6¾ x 3	\$5.50

Provided with one negative and five positive taps giving 16½ to 22½ volts for detector tube control, also a 45 and 108 volt tap for amplifier tubes.

No.	Volts	No. Cells	Lgth. Wdth. Hgth.	List
3108V	108	72	19½ x 7 x 3¾	\$15.00

ASK YOUR DEALER

YALE ELECTRIC CORPORATION

CHICAGO, ILL.  
1601 South Michigan Ave.

BROOKLYN, N. Y.  
Tillary and Pearl Street

SAN FRANCISCO, CAL.  
133 1st Street

Tell 'Em You Saw It in the Citizens Radio Call Book



# Amateur Radio Stations of the Second District

Headquarters, Customhouse, New York, N. Y. The second district comprises the counties of New York, Staten Island, Long Island, and those on the Hudson River including Schenectady, Albany and Rensselaer of the State of New York. Also the counties of Bergen, Passaic, Essex, Union, Middlesex, Monmouth, Hudson and Ocean of the State of New Jersey.

2AA	Vincent J. Fritch	939 College Ave., New York City	2AEI	Francis E. Gully, Jr.	54 Mackay Place, Brooklyn, N. Y.
2AAA	Norman J. Currie	242 Broad St., Keyport, N. J.	2AEJ	Rudolf Hergenrother	42 Jerome Ave., Schenectady, N. Y.
2AAB	Richard Huggard	Lake Drive, Lakewood, N. J.	2AEK	Wilbur F. Bingham	176 Manasquan Bch., Manasquan, N. J.
2AAC	Arlington Bell	12 Radford St., Yonkers, N. Y.	2AEL	John A. Sawyer	15 S. Lyons Ave., Newark, N. J.
2AAD	Frederick C. Slipp	107 Westmoreland Av., White Pl., N.Y.	2AEM	H. Arthur Mousley	36 Oakland Terrace, Bloomfield, N. J.
2AAE	Clare F. Beames, Jr.	2 Highland Place, Yonkers, N. Y.	2AEN	Carl A. Forster	33 Newark Ave., New York City
2AAF	Thos. A. Jobs	11 Mountview Rd., Summit, N. J.	2AEO	Wilbur F. Bingham	20 Gates Ave., Brooklyn, N. Y.
2AAG	Jacob Kneute	Green Grove Ave., Keyport, N. J.	2AEP	Bedford Br., Y. M. C. A.	2694 Valentine Ave., New York City
2AAH	B. Cadmus	500 W. 122d St., New York City	2AEQ	Allen Fitch	609 Grove St., Westfield, N. J.
2AAI	Bernard Goldsmith, 2d.	59 Hillside Ave., Newark, N. J.	2AER	Chris E. Hobson	Stout Ave., Scotch Plains, N. J.
2AAJ	Milton G. Planquette	206 Bergen St., Brooklyn, N. Y.	2AES	Alfred E. Jackson	204 Sylvan St., Rutherford, N. J.
2AAK	Nelson A. Kahrman	975 Summit Ave., New York City	2AET	Dolph Wappler	Ridgewood H. S. Radio Club, Ridgewood, N. J.
2AAL	Melvin L. Grummet	65 Mill St., Middletown, N. Y.	2AEU	Lawrence Voepel	1140 Clay Ave., New York City
2AAM	Eric A. Andrews	85 Rockledge Ave., White Plains, N.Y.	2AEV	Henry C. Kessler	1 St. Johns Place, Ridgewood, N. Y.
2AAN	Emil Cashman	325 Main St., Lakewood, N. J.	2AEW	Rudolph E. Leppert	Park Ave., Harrison, N. Y.
2AAO	Irwin Moison	Greenbush Rd., Blauvelt, N. Y.	2AEX	William W. Brinckerhoff	220 Fulton Ave., Mount Vernon, N. Y.
2AAP	John G. Roberts, Jr.	159 Ward Place, South Orange, N. J.	2AEY	Beverly D. Clark	131 Riverdale Drive, N. Y.
2AAQ	Frank B. Meeker	64 Elliott Ave., Yonkers, N. Y.	2AEZ	Benj. Berlin	1252 Flatbush Ave., Brooklyn, N. Y.
2AAR	Geo. Steter	64 139th St., New York City	2AF	Joseph B. Bayley	613 Main St., East Orange, N. J.
2AAS	J. H. Monds	28 Locust Ave., Rockville Center, N.Y.	2AFA	Harry C. Stenger	1862 Grove St., Brooklyn, N. Y.
2AAT	Edward Johnstone	Hillside Ave., Nyack, N. Y.	2AFB	Milton Selcow	21 W. 48th St., Bayonne, N. J.
2AAU	Leon E. Roquet	76 Fox Terrace, Dunwoodie, N. Y.	2AFD	Norman K. Edgars	Hillside Ave. & Engle St., Tenafly, N.J.
2AAV	Edwin E. Johnston	2 Oakwood Ave., White Plains, N. Y.	2AFE	Fernando H. Citriolo	R.F.D. No. 1, Allendale, N. J.
2AAW	S. S. Schwarz	30 Osborne Terrace, Newark, N. J.	2AFF	Maurice Hasler	153 Hobart St., Ridgewood Park, N. J.
2AAX	Chas. A. Porter	Pine Place, New Rochelle, N. Y.	2AFG	Fulton L. Bronnes	12 N. D. St., Irvington, N. Y.
2AAZ	S. J. Miller	124 Hillside Avenue, Orange, N. J.	2AFH	Henry William Boyer	494 W. 158th St., New York City
2AB	Julian Fortenbach	35 High St., East Rutherford, N. J.	2AFI	Robert H. Bisbee	89 Beechwood Ave., Bogota, N. J.
2ABA	Morton W. Sterns	209 Alsop Ave., Jamaica, N. Y.	2AFJ	Myron M. Simonsen	105 Hempstead Ave., Lynbrook, N. Y.
2ABB	DeWitt L. Parker	178 State St., Brooklyn, N. Y.	2AFK	D. C. McGlehan	206-3d St., Troy, N. Y.
2ABC	William T. Hall	267 Spring St., Ridgewood, N. J.	2AFL	Cecil H. Crieckenberger	1109 Central Ave., Westfield, N. J.
2ABD	Harry Wicht	239 Bay Ridge Ave., Brooklyn, N. Y.	2AFM	Clarence L. Rossmagel	169 Park Place, Irvington, N. J.
2ABE	Carlos Clark	204 Lakeside Ave., Rockville Ctr., N.Y.	2AFN	Henry Opperman	42 Grand Ave., Baldwin, N. Y.
2ABF	G. P. Smith	208 W. 133d St., New York City	2AFQ	John L. Relly	243 W. 66th St., New York City
2ABG	William H. T. Olsen	298-17th St., Brooklyn, N. Y.	2AFR	Geo. O. Milne	142 Totowa Rd., Paterson, N. J.
2ABH	Frank G. Krebs	16 Lincoln Ave., Avenne, N. Y.	2AFS	Raymond H. Gore	1614 Cleveland St., Caldwell, N. J.
2ABI	Leslie Mott	Rockland Rd., Pearl River, N. Y.	2AFU	Leonard Richards	90 Mountain Ave., Summit, N. J.
2ABJ	Robt. Blikenfelder	1891 Daly Ave., New York City	2AFV	Paul V. Zeyn	484 Palisade Ave., Weehawken, N. J.
2ABK	N. Sauberman	789 E. 163d St., New York City	2AFW	Adolph Schwartz	1321 Franklin Ave., New York City
2ABL	Robt. Hertzberg	894 Union Ave., New York City	2AFX	Albert M. Morris, Jr.	177 Main St., Keansburg, N. J.
2ABM	Wm. Vollkommer	48 Winsor Place, Brooklyn, N. Y.	2AFY	Herbert B. Pearson	997 Sterling Place, Brooklyn, N. Y.
2ABN	Frederick A. Parsons	50 Clove Road, New Rochelle, N. Y.	2AFZ	Theo. P. Gilman	329 Tecumseh Ave., Mt. Vernon, N. Y.
2ABO	Clifford H. Brockway	1019 E. 179th St., New York City	2AGA	James A. Meade	975 Putnam Ave., Brooklyn, N. Y.
2ABP	Theodore R. Winkler	8 Alice Court, Brooklyn, N. Y.	2AGB	William W. Whitford	1465 Castleton Ave., Pt. Richmond, N.Y.
2ABQ	Donald M. Plumb	546 W. 146th St., New York City	2AGC	Bayard P. Fonda	Howe St., Bay Head, N. J.
2ABR	Jas. P. Murphy	121 Colonte St., Albany, N. Y.	2AGD	Howard Terry	25 Myrtle Ave., Keyport, N. J.
2ABS	Roy Atkinson	Slocum Ave., Morsemere, N. J.	2AGE	George N. Scott	51 Leicester St., Port Chester, N. Y.
2ABT	H. F. Mayer	101-32d St., Woodcliff, N. J.	2AGF	John H. Dodman	24 Oak Ridge Ave., Summit, N. J.
2ABU	LeRoy Edward Long	171 Quail St., Albany, N. Y.	2AGG	Phillip R. Neusch	551 Delafield Ave., W. N. B'hton, N.Y.
2ABV	Geo. H. Barrows	67 Sunderland Ave., Rutherford, N. J.	2AGH	Arthur A. Faske	1515 Eastern Parkway, Brooklyn, N. Y.
2ABW	Clifford H. Bowie	102 Madison St., Brooklyn, N. Y.	2AGI	Charles A. Throckmorton	32 Ridgewood St., Ridgewood, N. J.
2ABX	Alfred Rosenberg	101-4th St., Lakewood, N. J.	2AGJ	Edward E. Hiler	Sherwood St., Ridgewood, N. J.
2ABY	George T. Weber	320 W. 17th St., New York City	2AGK	J. Edward Brown	East Marton, N. Y.
2ABZ	Geo. S. Crary	24 Grant Ave., Lynbrook, N. Y.	2AGL	Howard E. Bendix	16 Park Ave., Caldwell, N. J.
2AC	Edward W. Helm	113-3d Ave., Newark, N. J.	2AGM	Dana A. Griffin	3 Oak Ridge Ave., Summit, N. J.
2ACA	Chester R. Gernert	41 Bridge St., Somerville, N. J.	2AGN	Leo Cohen	217 W. 110th St., New York City
2ACB	Harold I. Van Doren	120 Union Ave., Westfield, N. J.	2AGO	Henry A. Eary	Wilson Ave., Westbury, N. Y.
2ACC	Robt. C. DuBols	37 Broadway, Freehold, N. J.	2AGP	Wilfred C. King	Clove Ave., Haverstraw, N. Y.
2ACD	Geo. L. Hillman	Porter Ave., Bergenfield, N. J.	2AGQ	Nathan M. Sommers	2020 Honeywell Ave., New York City
2ACE	John Irving	247 Prospect St., Westfield, N. J.	2AGR	E. Trimmer Rutherford	102 Heck Ave., Ocean Grove, N. J.
2ACF	Jas. T. De Mill	Gillette Ave., Sayville, N. Y.	2AGS	Louis J. Sauter	309 N. Mountain Av., U. Montclair, N.J.
2ACG	Martin Coan	473 W. 158th St., New York City	2AGT	Henry Rogatz	78 E. 91st St., New York City
2ACH	William Kargill	168 Newtown Ave., Astoria, N. Y.	2AGU	Harry Frank	903 Avenue M., Brooklyn, N. Y.
2ACI	Donald S. Verwoert	618 Carlton Rd., Westfield, N. J.	2AGV	Leland B. Moss	18 Roosevelt Ave., Poughkeepsie, N. Y.
2ACJ	Frank R. Van Sant	907 DeGraw Ave., Newark, N. J.	2AGW	Elbert J. Totten	18 Cedar Ave., Hempstead, N. Y.
2ACK	Homer Ross	3 Orchard Terrace, Bogota, N. J.	2AGX	Albert H. Rodde	1516 Emmons Ave., Brooklyn, N. Y.
2ACL	Harry J. Tassel	Murray Hill Terrace, Bergenfield, N. J.	2AGY	Arthur J. Charters	728-3d Ave., New York City
2ACM	Nicholas S. Ballou	102-2d St., Troy, N. Y.	2AGZ	George P. Dieckman	74 Lott St., Brooklyn, N. Y.
2ACN	Geo. P. Evans	849 Jefferson Ave., Brooklyn, N. Y.	2AHA	Dewitt C. Depuy	1448 Castleton Ave., Pt. Richmond, N.Y.
2ACO	Richard H. Baumhofer	1498 Bushwick Ave., Brooklyn, N. Y.	2AHB	Roland Fitzgerald	17 Barrett St., Schenectady, N. Y.
2ACP	Irving J. Leibowitz	308 Williams Ave., Brooklyn, N. Y.	2AHC	Joseph P. Skidmore	1078 Bond Str., Elizabeth, N. J.
2ACQ	Jas. Zwelchhaft	749 West End Ave., New York City	2AHD	Charles Creamer	117 Warren St., Newark, N. J.
2ACR	Robt. Muns	Bellar Rd., Ridgewood, N. J.	2AHE	A. Edelman	566 Leggett Ave., New York City
2ACS	Raymond Blangui	520 W. 46th St., New York City	2AHF	Christian Wm. Hattenbrun	663 Union Ave., New York City
2ACT	Reginald F. Harless	18 N. B. St., Irvington, N. Y.	2AHG	Adrel Silverstein	257 W. 111th St., New York City
2ACU	Howard Cervantes	2676 Decatur Ave., New York City	2AHH	Clarence de Witt Rogers, Jr.	17 Pryer Lane, Litchmont, N. Y.
2ACV	John C. Newton	Montauk Ave., Bayside, N. Y.	2AHI	James C. Flynn	237 Westchester Av., Mt. Vernon, N.Y.
2ACW	Herbert S. Barnhart	2503 Sedgwick Ave., New York City	2AHJ	Frank Jaros	410 Amity St., Flushing, N. Y.
2ACX	Reginald L. Brooks	207 Parkwood Blvd., Schenectady, N.Y.	2AHK	John Cagliano	1854 Bath Ave., Brooklyn, N. Y.
2ACY	Chas. J. F. Intemann	51-6th Ave., New York City	2AHL	Randolph K. Martin	140 Continental Av., Forest Hills, N.Y.
2ACZ	Paul Wandelt	28 Willow St., Bayonne, N. J.	2AHM	C. R. Ulrich	115 Mountain Vay, Rutherford, N. J.
2AD	Gerard F. Dunkelmann	49 Margaret St., Great Kills, S. I., N. Y.	2AHN	Leonard M. Vall	Vincent St., Orient, N. Y.
2ADA	Theo. N. Whitdin	Oakdale, Long Island, N. Y.	2AHO	Erison K. Allen	206 Bellerue Ave., Bloomfield, N. J.
2ADB	Chas. Hellman	26 Melrose St., Brooklyn, N. Y.	2AHP	Adolf Welk	125 Sherman Ave., Jersey City, N. J.
2ADC	Folger W. Frost	26 Elm St., Summit, N. J.	2AHQ	John G. Newbery	428 Merrick Rd., Rockville Ctr., N. Y.
2ADD	Albert K. Mako, Jr.	58 E. 140th St., New York City	2AHR	Eric Walter Lehmann	74 Eaton Place, East Orange, N. J.
2ADE	Wendell King	Union College, El. Lb., Schenectady, N.Y.	2AHS	Carl A. Baas	1012 Genes Ave., Bronx, New York C
2ADF	Thomas O. Shearman	160 Park Ave., Baldwin, N. Y.	2AHT	Wm. M. Derrick	58 N. 6th St., Newark, N. J.
2ADG	Wilford C. Southard	15 Grand Ave., Baldwin, N. Y.	2AHU	Nicholas Diamantopoulos	137 W. 111th St., New York City
2ADH	Alfred Stewart	40 Hillside Ave., Rockville Ctr., N. Y.	2AHV	Richard Frank	271 Palisade Ave., Union Hill, N. J.
2ADI	Alfred Glenow	Riverside Ave., River Edge, N. J.	2AHW	Walter A. Bruning	39 Chelsea Road, Allwood, N. J.
2ADJ	Fred Beckman	247 Dean St., Brooklyn, N. Y.	2AIX	John Herman Muller	Elsie Place, Bayside, N. Y.
2ADK	Karl D. Melroy	35 Beau Voir Ave., Summit, N. J.	2AHY	Albert J. Hanak	169 E. 77th St., New York City
2ADL	Joseph Phelan	17 Tulp St., Corona, N. Y.	2AHZ	Edward Stallman	14 Hopke Av., Hastings-on-Hudson, N.Y.
2ADM	Clarence B. Roberts	4 James St., Schenectady, N. Y.	2AIA	Roscoe R. Loper	W. Broadway, Port Jefferson, N. Y.
2ADN	Harrison Schanck	7 Prospect Terrace, Yonkers, N. Y.	2AIB	Harold L. Wetterholm	325-52d St., Brooklyn, N. Y.
2ADP	Paul F. Dittmann	35 Broad St., Schenectady, N. Y.	2AIC	Lawrence G. Betz	12 Hill St., Bogota, N. J.
2ADQ	George L. Bernius	Poster Rd., Rosedale, N. Y.	2AID	W. F. Dominguez	706 W. 179th St., New York City
2ADR	Elliott Moore	522 Lenox Rd., Schenectady, N. Y.	2AIE	Robert R. Morris	1025 E. 2d St., Brooklyn, N. Y.
2ADS	Irving Sears	244 Dean St., Brooklyn, N. Y.	2AIF	John G. Eber	5505-3d Ave., Brooklyn, N. Y.
2ADT	Elmer P. Ross	533 West End Ave., New York City	2AIG	Phillip Orlas	Warrenville, Plainfield, N. J.
2ADU	George A. Lacas	39 Sterling St., Brooklyn, N. Y.	2AIH	Royston Peterson	68-75th St., Brooklyn, N. Y.
2ADV	George F. Tompkins	609 W. 191st St., New York City	2AIJ	Fritz T. Kirk	2333 Bedford Ave., Brooklyn, N. Y.
2ADW	Frederick M. Duquette	53 Liberty Ave., New Rochelle, N. Y.	2AIK	John W. Davidson	99 Glen Ave., Port Chester, N. Y.
2ADX	George B. Latchford	283-10th Ave., New York City	2AII	Clarence Lofbert	Centre Place, Teaneck, N. J.
2ADY	William J. Graham	501 Mumford St., Schenectady, N. Y.	2AIJ	Hugh Hamilton	1765 Union St., Schenectady, N. Y.
2ADZ	Robert M. Klein	345 W. 88th St., New York City	2AII	Edward Dewitt Meeker	70 N. Arlington Ave., E. Orange, N.J.
2AE	Robert Collyer	34 Forrest Ave., Baldwin, N. Y.	2AII	Bronxville Radio Club	70 N. Cedar Knolls, Bronxville, N. Y.
2AEA	Edward J. Saleh	52 Drake Ave., New Rochelle, N. Y.	2AIJ	Donald Tate	18 Phillips Place, Yonkers, N. Y.
2AEB	William H. Happel	365 Quincy St., Brooklyn, N. Y.	2AIK	Donald Tate	86 Eagle St., Troy, N. Y.
2AEC	William Morris	2605-8th Ave., New York City	2AIL	Leroy M. Glodell, Jr.	603 W. 185th St., New York City
2AED	Sanford H. Brown	Laurel Ave., Tenafly, N. J.	2AIM	Benjamin Naubert	318 W. 57th St., New York City
2AEE	Harold P. Hutchinson	Llewellyn Park, West Orange, N. J.	2AIO	Theo. D. Haubner	306 Lookout Ave., Hackensack, N. J.
2AEG	Meville D. Nicoll	Halley Ave., Harrison, N. Y.	2AIP	Lawrence Straus	393 Edgewood Ave., New York City
2AEH	Milton H. Zeig	413 River St., Hackensack, N. J.	2AIP	Reverdy Johnson	222 Stelle Ave., Plainfield, N. J.
2AEI	Alfred Mixsell	25 Summit Ave., Port Chester, N. Y.	2AIP	Edward Tenney Warner	143 E. 5th Ave., Roselle, N. J.
2AEJ	William Thayer Field	976 Broad St., Newark, N. J.			
2AEK	Donald Sayer	11407 St. Anns Av., Richmond Hill, N.Y.			

2A1Q Alfred Henry Bataille, Jr. 360 Irving Ave., South Orange, N. J.  
 2A1R Ewald I. Winquist 225 Garfield Ave., Jersey City, N. J.  
 2A1S Stevens Radio Club 521 River St., Hoboken, N. J.  
 2A1T Geo. Trewartha Evans 5 Park Pl., Bogota, N. J.  
 2A1U James R. Cozier 38 Central Ave., Caldwell, N. J.  
 2A1V Frank G. Craighead 19A Brookside Ave., Caldwell, N. J.  
 2A1W Edward Zamoyak 563 Ocean Ave., Jersey City, N. J.  
 2A1X Thias Schumacher 500 Lenox Rd., Schenectady, N. Y.  
 2A1Y Henry Bretmeyer 108-8th St., Hoboken, N. J.  
 2A1Z Kimball Gray 38 Slocum Crescent, Forest Hills, N. Y.  
 2AJ Edwin T. Buttner 1376-3d Ave., New York City  
 2AJA Theodore Kemp 451 S. Maple Ave., Glen Rock, N. J.  
 2AJB I. Bamberger & Co. Market & Halsey Sts., Newark, N. J.  
 2AJC Philip Tarr 214 E. 85th St., New York City  
 2AJD Martin Jos. Prendergast 317 W. 19th St., New York City  
 2AJE Philip Van Buren Getty 20 Cedar Place, Yonkers, N. Y.  
 2AJF Jurian Van Ripper 117 Lafayette Ave., Passaic, N. J.  
 2AJG Edwin Wolber 4712 Fourth Ave., Brooklyn, N. Y.  
 2AJH Richard Jas. Gould 19 Lafayette Ave., Middletown, N. Y.  
 2AJI Bernard J. Hillman 74 Stager St., Nutley, N. J.  
 2AJJ Wm. Irving Gunther 176 Park Ave., East Rutherford, N. J.  
 2AJK Elmer Ed Frey 72 Mapes Ave., Newark, N. J.  
 2AJL Karnig Goomrigian 193 Morris Ave., Summit, N. J.  
 2AJM Herbert Ashton, Jr. 10 Sherman Ave., New York City  
 2AJN Milo Belding Harshaw 438 E. 30th St., Paterson, N. J.  
 2AJO E. La Verne Peck 1 Spring St., Middletown, N. Y.  
 2AJP Michael F. Fazloli 2150-14th St., Troy, N. Y.  
 2AJQ Charles D. Story 104 Walworth Av., White Plains, N. Y.  
 2AJR Samuel M. Christie 215-16th St., College Pt., N. Y.  
 2AJS David Clinton Buell, Jr. 62 Academy Ave., Middletown, N. Y.  
 2AJT John M. Hobe 60 Post St., Yonkers, N. Y.  
 2AJU Ralph Theall 44 Lakewood Ave., Hartsdale, N. Y.  
 2AJV Chester W. Newman 592 Warburton Ave., Yonkers, N. Y.  
 2AJW Harry S. Collins James St., Babylon, N. Y.  
 2AJX Daniel T. O'Connell 525 E. 146th St., New York City  
 2AJY George Ober Mower 115 Lincoln Ave., Newark, N. J.  
 2AJZ Wm. F. Sonnekaub, Jr. 8 Primrose Place, Summit, N. J.  
 2AKA Carl J. Humkins So. S. R. C. Johnson Ave., Newark, N. J.  
 2AKB John M. Kiefer, Jr. 40 Columbia Ave., Newark, N. J.  
 2AKC Herman Arthur Enderwood 224 Linden Ave., Irvington, N. J.  
 2AKD Harold Westman 376 E. 139th St., New York City  
 2AKE Samuel Moskowitz 894 Prospect Ave., Bronx, N. Y.  
 2AKF Augustus E. Harper 512 Washington Ave., Brooklyn, N. Y.  
 2AKG Sterling G. Sears 225 Gates Ave., Brooklyn, N. Y.  
 2AKH Frdk. J. Lee 1 Intervale St., White Plains, N. Y.  
 2AKI David Hopkins 450 E. 4th St., Brooklyn, N. Y.  
 2AKJ Willis L. Pearce 7 Park St., Mount Vernon, N. Y.  
 2AKK Vincent Suhoski Center St., Freehold, N. J.  
 2AKL Wm. J. Johnson Norwood, N. J.  
 2AKM Walter R. Kolb 10-5th Ave., Pelham Hall, N. Pelham, N. Y.  
 2AKN Samuel Frank Mason, Jr. 14 Elizabeth St., Keppoy, N. J.  
 2AKO George H. Litch 208 Fernwood Ave., Up. Montclair, N. J.  
 2AKP Harry M. Leonard 354 Hamilton Place, Hackensack, N. J.  
 2AKQ James Leo McLaughlin Fairhaven, N. J.  
 2AKR Henry Wm. Thies 2567 Poe Place, New York City  
 2AKS Winton Burhus 386 Montrose Ave., Rutherford, N. J.  
 2AKT Stephen Alonzo Cabrey 23 Van Cott Ave., Maspeth, N. Y.  
 2AKU Irvin L. Murray 173 W. 85th St., New York City  
 2AKV Seymour W. Mayer 170 Overlook Circle, New Rochelle, N. Y.  
 2AKW Wilmer L. Young 257 Brevoort St., K. Gard., L. I. N. Y.  
 2AKX Richard Earl 26 Ivy Close, Forest Hills, N. Y.  
 2AKY Walter Betz 23 E. 135th St., New York City  
 2AKZ Ed C. Gardiner 304 Autumn Ave., Brooklyn, N. Y.  
 2AL Wayne N. Carey 49 Crescent Ave., Jersey City, N. J.  
 2ALA Wm. Raymond Van Horn 451 Hancock St., Brooklyn, N. Y.  
 2ALB John Dixon Red Bank, N. J.  
 2ALC Allison M. Jagoe 361 Boulevard, Passaic, N. J.  
 2ALD Ralph Thomas 206 Greenway North, Forest Hills, N. Y.  
 2ALE Frank J. Ostman 6 River Rd., Hight'd Pk., N. Bruns., N. J.  
 2ALF J. H. Bunnell & Co. 571 Park Place, Brooklyn, N. Y.  
 2ALG James Wood 32 Park Place, New York City  
 2ALH M. Stewart Trumbull 205 E. 36th St., New York City  
 2ALI Jas. Forest Campbell, N.H.E.Co. 317 Manor Ave., Harrison, N. J.  
 2ALJ Wm. S. Tyler 520 W. 8th St., Plainfield, N. J.  
 2ALK Schenectady H. S. Radio Club Mott Terrace, Schenectady, N. Y.  
 2ALL Vernon C. Judge 1254 Morris Ave., New York City  
 2ALM Lem L. Lemelson 17 Jackson St., Stapleton, S. I., N. Y.  
 2ALN Austin J. McArdle 143 E. 42d St., New York City  
 2ALO Thos. W. White 328-56th St., Brooklyn, N. Y.  
 2ALP Barlow Smith 69 State St., Hackensack, N. J.  
 2ALQ Laurence Horowitz 525 W. 15th St., New York City  
 2ALR Gilbert C. Holloway 361 Boulevard, Passaic, N. J.  
 2ALS Thos. B. Robinson 2 W. 103d St., New York City  
 2ALT George J. Smith 10 Miriam St., Valley Stream, N. Y.  
 2ALU William J. Besler 917 W. 7th St., Plainfield, N. J.  
 2ALV Paul Machoff 1013 Simpson St., Bronx, N. Y.  
 2ALW John P. Kennell 67 Irving Place, Passaic, N. J.  
 2ALX Fred Chemidlin 132 Netherwood Ave., Plainfield, N. J.  
 2ALY Fred H. Canfield 894 S. 16th St., Newark, N. J.  
 2ALZ Kenneth G. Coutlee 907 Park Av., Woodcliff-on-Hud., N. J.  
 2AM Henry L. Bantelman, Jr. 300 Tuckahoe Rd., Yonkers, N. Y.  
 2AMA Edmund Howard Boyer Hillside Ave., Bergenfield, N. J.  
 2AMB Fred. Wm. Huff 665 State St., Perth Amboy, N. J.  
 2AMC Everett J. Hughes 110 Bloomfield Ave., Newark, N. J.  
 2AME Chas. F. Nelson 1 Cleveland St., Englewood, N. J.  
 2AMF Wesley Wood 70 Beechwood Terrace, Yonkers, N. Y.  
 2AMG Albert J. Bischoff 326 Sussex Ave., Newark, N. J.  
 2AMH John W. Schermerhorn 526 Summit Ave., Schenectady, N. Y.  
 2AMI Robt. E. Reuter 265 Jackson Ave., Jersey City, N. J.  
 2AMJ Edgar Jared Doolittle 388 Pallsade Ave., Yonkers, N. J.  
 2AMK Wm. John Miller 50 Paterson St., Paterson, N. J.  
 2AML Edwin Faulhaber 740 Ocean Ave., Jersey City, N. J.  
 2AMM Geo. John Clark 21 White Terrace, Newark, N. J.  
 2AMN Russell Eckman 15 Bruce Rd., Montclair, N. J.  
 2AMO Geo. L. Percy 123 Bay View Ave., Jersey City, N. J.  
 2AMP Arthur Boehringer 263 Van Duzer St., Stapleton, S.I., N. Y.  
 2AMQ Elec. Indus. Mfg. Co. 49 Twilight Av., Beacon Beach, Keansburg, N. J.  
 2AMR Daniel A. Sullivan 189 West End Ave., New York City  
 2AMS Sonia Soberg 400 Irving Ave., Brooklyn, N. Y.  
 2AMT Wm. C. Clarkin 2416 Morris Ave., New York City  
 2AMU John J. McDonald 415 E. 148th St., New York City  
 2AMV Thos. Harold Lowe 201 Pearsall Ave., Jersey City, N. J.  
 2AMW Robt. L. Gregory 43 Brookside Ave., Nyack, N. Y.  
 2AMX Ferdinand A. Wankel 2 Burr Ave., Cedar Manor, N. Y.  
 2AMY R. Henry Strahlman 300 Magnolia Ave., Jersey City, N. J.  
 2AMZ Clinton L. Goode 300 E. 18th St., Brooklyn, N. Y.  
 2AN Conrad J. Sedlak 633 Main St., North Bergen, N. J.  
 2ANA Chas. C. Steele Franklin Ave., Harrison, N. Y.  
 2ANB Harry B. Lockwood 135 N. 8th Ave., Mt. Vernon, N. Y.  
 2ANC Wm. Schuyler Hopper, Jr. 199 River Rd., Bogota, N. J.  
 2AND Abraham Herzlich 245 Ellery St., Brooklyn, N. Y.  
 2ANE J. Eckley Spalding 189 Mountain Way, Rutherford, N. J.  
 2ANF Wm. Sambur 1065 Prospect Ave., New York City  
 2ANG Eugene T. Turney Holmes, N. Y.  
 2ANH Arthur Rechert 95 Mountain Ave., Maplewood, N. J.  
 2ANI Sam Sosenko 1220 College Ave., New York City  
 2ANJ Chas. Fallon 256 Jackson Ave., Jersey City, N. J.  
 2ANK W. J. Russell 118 Jefferson St., Union Hill, N. J.

2ANL Harold Merwin Brett 834 Parke St., Newark, N. J.  
 2ANM Wm. A. DuBols 198-10th St., Troy, N. Y.  
 2ANN James Bruce Ferguson 21 N. 2d St., Woodside, L. I., N. Y.  
 2ANO J. Wm. Runge 145 Autumn St., Passaic, N. J.  
 2ANP C. Bernard Johnson 80 Myrtle Ave., Wyck, Maplewood, N. J.  
 2ANQ Jos. Siegel 296 State St., Perth Amboy, N. J.  
 2ANR Frank McKegney 558 Brook Ave., New York City  
 2ANS Alfred Cartier 2737 Valentine Ave., New York City  
 2ANT Albert L. Jarvis 389 Palmer Ave., Keansburg, N. J.  
 2ANU Harry C. Farber 222 Ellery St., Brooklyn, N. Y.  
 2ANV Geo. Donald Wallace, Jr. Forest Ave., Freeport, N. Y.  
 2ANW Chester Reid Underhill 21 N. Fullerton Ave., Montclair, N. J.  
 2ANX Robt. C. Smith 131 N. 14th St., East Orange, N. J.  
 2ANY Thos. M. Curran 699 E. 137th St., New York City  
 2ANZ Alois A. Heuss Popular Ave., Maywood, N. Y.  
 2AO Robt. J. Freeman Aloah Radio Sta., Southampton, N. Y.  
 2AOA Marianne C. Brown 206 W. 86th St., New York City  
 2AOB Wm. Henry Holden 32 Bergen St., Hackensack, N. J.  
 2AOC Austin A. Hurley 126 Corlies Ave., Asbury Park, N. J.  
 2AOD Francis A. Collingnon 76 Grove St., Port Chester, N. Y.  
 2AOE Cornelius V. Zwalm 243 Union Ave., Clifton, N. J.  
 2AOF Thornton O. Pierson 246 Terrell Ave., South Orange, N. J.  
 2AOG Walter F. Seufert 344 Valley Brook Ave., Lyndhurst, N. J.  
 2AOH Maynard T. Smith Grimm Ave., How. Bch., L. I., N. Y.  
 2AOI William A. Oettler 340 Woodland Ave., Woodhull, N. Y.  
 2AOJ Ernest Nemeth 166 Clinton Ave., Clifton, N. J.  
 2AOK Harold Lambertson Division St., Keppoy, N. J.  
 2AOL Alfred G. Sidman, Jr. 147 N. Mount Ave., Montclair, N. J.  
 2AOM William A. Horton 45 Alto Ave., Port Chester, N. Y.  
 2AON T. B. Millsbaugh 97 Broadway, Nyack, N. Y.  
 2AOP Richard Crome Innes 82 Home Ave., Rutherford, N. J.  
 2AOQ Ed. Sylvanus Jackson 19 Thorne St., Patchogue, N. Y.  
 2AOR Nicholas M. Falter 160 Smith St., Elizabeth, N. J.  
 2AOS Charles E. Biele 81 Clinton Ave., Newark, N. J.  
 2AOT Benj. Brown Gravens Highland Way, Short Hills, N. J.  
 2AOU Theo B. Cholcener 415 Mount Ave., Westfield, N. J.  
 2AOV Fred Burt 615 Hancock St., Brooklyn, N. Y.  
 2AOW Jas. Dunston Covert 24 Paterson St., Newark, N. J.  
 2AOX Wm. F. Crosby 4 Depew Ave., Nyack, N. Y.  
 2AOY Francis Alex Costa 967 Park Ave., New York City  
 2AOZ Horace E. Wadsworth 120 Clinton Ave., Nyack, N. Y.  
 2AP C. F. Unger Franklin Ave., Harrison, N. Y.  
 2APA Wm. Clifford Cooper 187 N. Eleventh St., Newark, N. J.  
 2APB Wm. Earle Chase 137 Gregory Ave., Passaic, N. J.  
 2APC Geo. Edw. Sweet Essex Ave. and Bower, Linden, N. J.  
 2APD Carl F. Muckenhaupt 317 Church St., Poughkeepsie, N. Y.  
 2APE Gynemer Post, American Legion 571 Lexington Ave., New York City  
 2APF Wm. H. Burtis 60 Fairview Av., North Plainfield, N. J.  
 2APG Alex Frank De Salvo 3057 Villa Ave., New York City  
 2APH H. L. Beedenbender Church St., West Fort Lee, N. J.  
 2API Elmer Charles Diehl 24 Orange Place, Irvington, N. J.  
 2APJ Martin Walter, Jr. 1936 Grand Concourse, New York City  
 2APK Clifford C. Borden 138 Maple St., Summit, N. J.  
 2APL Merrill Hodson 16 Wayne Ave., White Plains, N. Y.  
 2APM John H. Emanuel, Jr. Woodland Ave., Englewood, N. J.  
 2APN Seth Sidney Pike, Jr. Hawtree Ave., How. Bch., L. I., N. Y.  
 2APO Joseph Chmielewski 34 Vreeland Ave., Passaic, N. J.  
 2APP Thorton C. Land 34 Alta Ave., Yonkers, N. Y.  
 2APQ Wm. Fred Nordmeyer Clay St., Sea Cliff, N. J.  
 2APR Harold Alex Hoff 505 Kimbald Ave., Westfield, N. J.  
 2APS Harold C. Townley 62 Terrace, Rutherford, N. J.  
 2APT Chas. I. Van Winkle 64 The Terrace, Rutherford, N. J.  
 2APU J. H. McMann 157 W. 105th St., New York City  
 2APV Jack R. Bloom Elmwood St., R.F.D. 3, Hempstead, L.I.  
 2APW Charles McCarron 270 Jackson Ave., Long Island City  
 2APX Chas. Wm. Okte 268 Hutton St., Jersey City, N. J.  
 2APY Albert B. Church 4 Van Cortlandt Pl. Av., Yonkers, N. Y.  
 2APZ Chas. E. MacGregor 349 W. 21st St., New York City  
 2AQ Harry Blutstein 723 Stone Ave., Brooklyn, N. Y.  
 2QA Joseph San Antonio 425-39th St., Brooklyn, N. Y.  
 2QB William A. Mackay Box 25, Coytesville, N. J.  
 2QC Leo L. Wallberg 158 W. 58th St., New York City  
 2QD Gerard A. Scrivens 452 Main St., Hackensack, N. J.  
 2QE Lloyd C. Mayers 62 Christopher St., Montclair, N. J.  
 2QF Millard C. Spencer Ampere, N. J.  
 2QG Nathan Schnoll 852 Manida St., New York City  
 2QH Ernest Jerome 106 McLean Ave., Yonkers, N. Y.  
 2QI Robert Fulton 179 Madison Ave., Clifton, N. J.  
 2QJ William B. Finnegan 2433 Valentine Ave., New York City  
 2QK Elston Meyer 21 Voorhees St., Newark, N. J.  
 2QL Alfred P. Lane 247 W. 103d St., New York City  
 2QM Earl A. Wolcott North Nassau, N. Y.  
 2QN Louis S. Swenson 90-142d Pl., S. Ozone Park, N. Y.  
 2QO Frederic S. Wack 717 George St., Point Pleasant, N. J.  
 2QP Emanuel E. Laufer 699 E. 137th St., New York City  
 2QQ Walter J. Howell 772 St. Nicholas Ave., New York City  
 2QR Walter Renner 37 Hackensack Ave., Hackensack, N. J.  
 2QS Terence F. Murtha 223 E. 58th St., New York City  
 2QT Albert R. O'Donnell 527 Macon St., Brooklyn, N. Y.  
 2QU Sydney I. Rusinov 362 Marin Place, Newark, N. J.  
 2QV David C. Wright 101 Orchard St., Ridgefield Park, N. J.  
 2QW Albert W. Odell 9 Homestead Park, Newark, N. J.  
 2QX Arthur Hildenbrand 852 Columbus Ave., New York City  
 2QY Henry J. Brymarski 117 Oxford Place, Plainfield, N. J.  
 2QZ Frank Myer 21 Voorhees St., Newark, N. J.  
 2AR G. H. Underhill 78 S. Hamilton St., Poughkeepsie, N. Y.  
 2ARA Nav. & Marine Eng. School 25 South St., New York City  
 2ARB John J. Kullk 113 Mahar Ave., Clifton, N. J.  
 2ARC American Radio Co. 342 Lenox Ave., New York City  
 2ARD Wm. W. Lindsay, Jr. 15 W. 84th St., New York City  
 2ARE Richard Irwin Roberts 304 Boulevard, Passaic, N. J.  
 2ARF Howard Frueh 100-15th St., West New York, N. J.  
 2ARG Abraham Camintsky 342 Throop Ave., Brooklyn, N. Y.  
 2ARI Albany Radio Club, Y.M.C.A. Y. M. C. A. Building, Albany, N. Y.  
 2ARJ Thos. D. Cullan 126-95th St., Brooklyn, N. Y.  
 2ARK Percy Cudat 99 North St., Bayonne, N. J.  
 2ARL Theo Bendt Arlington Ave., Bergenfield, N. J.  
 2ARM Henry P. Stevens, Jr. 742 Central St., Plainfield, N. J.  
 2ARN William C. Andrie 62 Maple Ave., Hackensack, N. J.  
 2ARO Geo. A. Bennett 40 Argyle Place, Arlington, N. J.  
 2ARP William Dessau 1153 Intervale Ave., New York City  
 2ARQ Harold O'Donnell 129-21st St., Irvington, N. J.  
 2ARR Jack A. Muller 2 Lincoln Ave., Clifton, N. J.  
 2ARS George Richard Stephens 38 Windsor Place, Brooklyn, N. Y.  
 2ART Geo. William Stewart 1105 Asbury Ave., Asbury Park, N. J.  
 2ARU Edward A. Hilborn 217 W. 68th St., New York City  
 2ARV William H. Hendrickson 180 Ridgewood Ave., Ridgewood, N. J.  
 2ARW Lawrence Willard Hawes 246 Grove St., Brooklyn, N. Y.  
 2ARX Adam Henry Banagan, Jr. Short Hills Ave., Short Hills, N. J.  
 2ARY Francis A. Kelly 156 William St., Perth Amboy, N. J.  
 2ARZ Wm. Warren Redfern, Jr. 2249-82d St., Brooklyn, N. Y.  
 2AS Peers Montgomery 211 W. 107th St., New York City  
 2ASA Harvey Kennedy 1965 Vyse Ave., New York City  
 2ASB Edward Graf 135 Marion St., Paterson, N. J.  
 2ASC Horace B. Conway 148 Beach 119, Rockaway Park, N. Y.  
 2ASD Francis Johnson Teaneck Rd., Teaneck, N. J.  
 2ASE Wallace A. Lauder 114 Burtis Ave., Rockville Centre, N. Y.  
 2ASF Herbert Rosenthal 203 Sutton Manor, New Rochelle, N. Y.  
 2ASG Samuel Spits 40 E. 2d St., New York City  
 2ASG Robt. Kreislinger 416 E. 72d St., New York City



2ASH Dunbar Burchell Adams..... Bay Shore, Long Island, N. Y.  
2ASI Stephen Paul Dalrymple..... 12 Spruce St., Dover, N. J.  
2ASJ Willie Williams..... Park Ave., Scotch Plains, N. J.  
2ASK William F. O'Connell..... 30 Clarendon Place, Hackensack, N. J.  
2ASL Andrew Battersby..... 45 Riverside St., Red Bank, N. J.  
2ASM Andrew Schreiner..... 1722 Putnam Ave., Brooklyn, N. Y.  
2ASN Edward Vron..... 7 State St., Ossining, N. Y.  
2ASO Gannett French..... 10 Woodland Place, White Plains, N. Y.  
2ASP Henry Lansing Clute..... 7 Trinity Place, Montclair, N. J.  
2ASQ Simon Meler Newman..... 92 Morris Ave., Rockville Center, N. Y.  
2ASR Theo. W. Whitman..... 416 Van Buren St., Brooklyn, N. Y.  
2ASS Arthur J. Grossböhlin..... 126 Humboldt St., E. Rutherford, N. J.  
2AST Louis S. Weber, Jr..... Liberty Rd., Englewood, N. J.  
2ASU Edwood Edson Reich..... 96th St., Woodhaven, Long Island  
2ASV Halsey Walter Kline..... R.F.D. No. 8, Vley Rd., Scotia, N.Y.  
2ASW Wm. Gillulee..... 423 Chester St., Brooklyn, N. Y.  
2ASX Jos. Marchese, Jr..... 140 W. 30th St., New York City  
2ASY Leon A. Hansen..... 84 Wolcott St., Brooklyn, N. Y.  
2ASZ Allan R. Traver..... R.F.D. No. 4, North Greenbush, N.Y.  
2AT Herman Fisher, Jr..... 146 Myrtle Ave., Irvington, N. J.  
2ATA Joseph Weimers..... 352 E. 89th St., New York City  
2ATB Harold Van Delhin..... 348 W. 36th St., New York City  
2ATC Gilmore Oille West..... 59-60th Ave., Long Branch, N. J.  
2ATD Eugene Merkel..... 66 Wyckoff Ave., Brooklyn, N. Y.  
2ATE James Acerno..... 894 S. 16th St., Newark, N. J.  
2ATF Robert Canfield..... 22 Chestnut St., Middletown, N. Y.  
2ATG Richard Buck..... Glen Ave., Glen Rock, N. J.  
2ATH Ralph Gibson Bailey..... 188 Springdale Ave., Rutherford, N. J.  
2ATI William Aman Long..... 44 Wyckoff Ave., Brooklyn, N. Y.  
2ATJ Edward Schreiner..... 12 Tyler St., Paterson, N. J.  
2ATK Morris Weber..... 40 Park St., Jersey City, N. J.  
2ATL L. R. Galvin..... Broad St., Keyport, N. J.  
2ATM Carleton Reid Wharton..... 708 E. 161st St., New York City  
2ATN Harold J. Waters..... 75 Prospect Ter., E. Rutherford, N. J.  
2ATO Osgood Rogers..... 140 Krone Place, Hackensack, N. J.  
2ATP George Rezos..... 51 Baker St., Maplewood, N. J.  
2ATQ J. H. Osmun..... Easthampton, Long Island, N. Y.  
2ATR Hobart D. Betts, Jr..... 639 Court St., Elizabeth, N. J.  
2ATS Lester Szery..... Lake Como, N. J.  
2ATT Harold Harry Hurley..... 728-9th Ave., New York City  
2ATU Emanuel M. H. Cosmas..... 910 Home St., New York City  
2ATV Sidney Kasindorf..... 1427 Avenue U., Passaic, N. J.  
2ATW Joseph J. Nemecek..... 166 Randolph St., Newburgh, N. Y.  
2ATX Richard L. Cooper..... 3 Cottage Place, Newburgh, N. Y.  
2ATY Wilbur M. Taylor..... 1332 First Ave., New York City  
2AZ William Winkler..... 1972 Honeywell Ave., New York City  
2AU Charles J. Hauff..... 109 Leonia Ave., Bogota, N. J.  
2AUA Alexander A. Havasy..... 205-16th St., West New York, N. Y.  
2AUB Thomas C. Ayling..... 549 Throop Ave., Brooklyn, N. Y.  
2AUC Louis Belok..... 627 E. 7th St., Plainfield, N. J.  
2AUD Charles V. King..... 2981 Briggs Ave., New York City  
2AUE Irvin S. Hirsch..... 448 E. 72d St., New York City  
2AUF Frank E. Burghin..... 93 California St., Ridgewood, N. J.  
2AUG J. Paschall Jessup..... 31 Greenridge Ave., White Plains, N.Y.  
2AUH Gordon B. Halstead..... 149 Williamson St., Lyons Farms, N.J.  
2AUI William S. Sole..... 72 New St., East Orange, N. J.  
2AUJ Jack W. Wilkinson..... 210 Mountain Ave., Summit, N. J.  
2AUK Robert W. Brockway, Jr..... 234 Jamaica St., Astoria, L. I., N. Y.  
2AUL William Novotny..... 17 Warrington Pl., East Orange, N. J.  
2AUM Charles C. Porter, Jr..... 364 Liberty Ave., Jersey City, N. J.  
2AUN Jerome Julius Vroman..... 32 Washington Ave., Hawthorne, N. J.  
2AUO Charles D. Petry..... 2957 Boulevard, Jersey City, N. J.  
2AUP Richard Stoddart..... 17 Oakland Place, Summit, N. J.  
2AUQ Abner Gelula..... 313 E. 50th St., New York City  
2AUR Norwood V. Bradshaw..... 302 Orange Place, Plainfield, N. J.  
2AUS Reginald D. B. Washburne..... 154 First St., Albany, N. Y.  
2AUT Leslie S. Couch..... 1328-46th St., Brooklyn, N. Y.  
2AUV Morris Liedeker..... 97 Thome St., Jersey City, N. J.  
2AUW Chester Rackey..... 508 W. 148th St., New York City  
2AUX Clifford Everett Denton..... Franklin Ave., Woodmere, N. Y.  
2AUY Alan R. Dimelow..... 131-8th Ave., New York City  
2AV Joseph Dale..... 31 Clarkson Ave., Brooklyn, N. Y.  
2AV Frank S. Le Roy..... 103 S. Maple Ave., Ridgewood, N. J.  
2AVA Addison Chas. Allen..... 62 E. Academy St., Wapp. Falls, N.Y.  
2AVB Anthony Musoroffi..... 10 Middagh St., Brooklyn, N. Y.  
2AVC David S. Roche..... East Rockaway, N. Y.  
2AVD George F. Koenig..... 461 King Ave., Yonkers, N. Y.  
2AVE James Verne Cunningham..... 44 Kingston Rd., Jamaica, N. Y.  
2AVF Fred Selfert..... 344 Valley Brook Av., Lyndhurst, N. Y.  
2AVG Charles Kostler..... 129 Menahan St., Brooklyn, N. Y.  
2AVH Joseph W. Obretler, Jr..... 65 Evergreen Ave., Bloomfield, N. J.  
2AVI Alexander E. Westman..... Somerville, N. J.  
2AVJ Vincent J. Liebler..... 79 East Ave., Freeport, N. Y.  
2AVK Sol Katz..... 121 S. 12th St., Newark, N. J.  
2AVL Benjamin Lloyd Belt, Jr..... Private Way, Lakewood, N. J.  
2AVM Phillip M. Hubbell..... 1540-6th St., Rensselaer, N. Y.  
2AVN Clarence J. Edgar..... 24 Grand Ave., Baldwin, N. Y.  
2AVO W. Harold Warren..... 605 Munroe Ave., Asbury Park, N. J.  
2AVP Alexander G. Russell..... 47 Rector Place, Red Bank, N. J.  
2AVQ Arnold Clifford Johnson..... Atlantic Ave., Point Pleasant, N. J.  
2AVR Leslie Chas. Currier..... 7 Lancaster Rd., Ridgely, N. Y.  
2AVS James Lyons..... 1264 Hancock St., Brooklyn, N. Y.  
2AVT Percy Sondow..... 1891 Daly Ave., New York City  
2AVU Eugene D. Van Duynne..... 25 Waukena Ave., Oceanside, N. Y.  
2AVV John Anthony Homs..... 19 Vreeland Ave., Passaic, N. J.  
2AVW Edward A. Crozier..... Pearl St., Fair Haven, N. J.  
2AVX Henry F. Koch, Jr..... 200 Stockholm St., Brooklyn, N. Y.  
2AVY William Joseph Persch..... 421 Centre St., Nutley, N. J.  
2AVZ Prescott Smith..... 542 Broadway, Paterson, N. J.  
2AW Arthur A. Heberlein..... 768 Melrose Ave., New York City  
2AWA Emanuel Finkel..... 1350 North Ave., Elizabeth, N. J.  
2AWB T. Switzer..... 100 Hamilton Place, New York City  
2AWC Eric Leavens..... 194 Clinton St., Brooklyn, N. Y.  
2AWD William Cook..... 67 Demarest St., Newark, N. J.  
2AWE Gaylord U. Smith..... 2746 Boulevard, Jersey City, N. J.  
2AWF Elmer Wirsing..... 33 Quail St., Albany, N. Y.  
2AWG Frederick S. Bernhard..... Bushwick Av. & Cornelia Br'k'n, N.Y.  
2AWH Worthington Compton Lent..... 54 Webster St., Ridgely Park, N. J.  
2AWI Eugene A. Kenny..... 219 Prospect Place, Brooklyn, N. J.  
2AWJ Abraham C. B. Havens 2d..... Washington St., Toms River, N. J.  
2AWK Morell T. Crawford..... 315 Pelhamdale St., Pelham, N. Y.  
2AWL Robert S. Johnson..... White St., Red Bank, N. J.  
2AWM George N. Garrison..... 67 Oak St., West Orange, N. J.  
2AWN Hugo William Busch..... 61 W. 100th St., New York City  
2AWO Julius Nauta..... 141 Butler St., Paterson, N. J.  
2AWP Albert A. Badian..... 230 W. 108th St., N. Y. City  
2AWQ Edward D. Smith, Jr..... Central Av. & Irving Pl., W'dm're, N.Y.  
2AWR Daniel D. Cluf..... 617 Lawrence Ave., Westfield, N. J.  
2AWS Frederic J. Porter..... 64 N. Grove St., Freeport, N. J.  
2AWT Marden Roscoe Nystrom..... 333 Main St., Ridgely Park, N. J.  
2AWU Leland F. Ferry..... 52 Oden Ave., Englewood, N. J.  
2AWV Ralph Indarola..... 172 Hickory St., Orange, N. J.  
2AWW George Johnson..... 15 Gates Ave., Brooklyn, N. Y.  
2AWX Joseph A. Deitz..... 384 DeKalb Ave., Brooklyn, N. Y.  
2AWY James Greenall Nelson..... 20 Summit Ave., Bogota, N. J.  
2AWZ Edward McKee..... 120 Rahway Ave., Westfield, N. J.  
2AX Howard Blower..... 1067 E. 19th St., Brooklyn, N. Y.  
2AXA Charles B. Gallagher..... 514 First Ave., Asbury Park, N. Y.  
2AXB Gertrude McCollum..... 130-2d Ave., Long Branch, N. J.  
2AXC Benjamin Franklin Smith..... 16 Benton Ave., Middletown, N. Y.

2AXD Edward Hoyt..... 18 Cornell Ave., Yonkers, N. Y.  
2AXE Harold Smith..... 4280 Kepler Ave., New York City  
2AXF Harold Fread..... 87-40th St., Irvington, N. J.  
2AXG Herbert Hartman..... 89 Mercer St., Jersey City, N. J.  
2AXH Henry Ernest Meyer..... 58 Hillside Ave., West Orange, N. J.  
2AXI Lee August Beam..... 2 N. Closer St., Poughkeepsie, N. Y.  
2AXJ Alex. L. H. Kittle..... 50 L. Lincoln Av., Nassau City, N. Y.  
2AXK Mortimer J. Solomons..... 600 W. 144th St., New York City  
2AXL Loyal Stephen Fox..... 201 Prospect Ave., Pleasant, N. J.  
2AXM J. Kenneth Lewis..... 510 Cramer Ave., Perth Amboy, N. J.  
2AXN Bertine E. Richards..... 162 Garden St., Roselle Park, N. J.  
2AXO Howard J. Wendler..... 127 Camden St., Roselle Park, N. Y.  
2AXP James O. Maher..... 26 Park Place, Bronxville, N. Y.  
2AXQ Joseph S. Colon..... 33 Brewster Place, Brooklyn, N. Y.  
2AXR Earl C. Gilliland..... 113 N. 3d Ave., New Brunswick, N. J.  
2AXS Cyril Thomas Kelly..... 500 W. 141st St., New York City  
2AXT Oliver J. Willcox..... 188 Jerome Place, Bloomfield, N. J.  
2AXU George T. Shunk..... 28 Long St., Jersey City, N. J.  
2AXV Harold Rhodes..... 10 W. Dayton St., Ridgewood, N. J.  
2AXW Alfred Hasselbach..... 631-88th St., Brooklyn, N. Y.  
2AXX David T. Jones..... 262 South Side Ave., Freeport, N. Y.  
2AXY Edward Akar..... 66 Sampson St., Garfield, N. J.  
2AXZ Jos. O. L. Hegmager..... 235 River Drive, Garfield, N. J.  
2AY Burton Greenburg..... 332 E. 67th St., New York City  
2AYA Thomas Palmer Winslow..... 183 William St., East Orange, N. J.  
2AYB Stewart Becker..... Rochelle Ave., Rochelle Park, N. J.  
2AYC Irvin Slekels Hoag..... 527 Central Ave., Newark, N. J.  
2AYD Douglas Y. Smith..... 20 Norman St., East Orange, N. J.  
2AYE John August Goldschmidt..... 43 W. Conkling Av., Middletown, N.Y.  
2AYF Clarence Judson Lawson, Jr..... 86 Landscape St., Yonkers, N. Y.  
2AYG Fred R. Heyer..... 203 Newark Ave., Bloomfield, N. J.  
2AYH Westchester Radio Service Co..... 253 S. Broadway, Yonkers, N. Y.  
2AYI Brunson S. McCutchen..... 21 Rockview Av., North Plainfield, N.J.  
2AYJ Julius Richards Nelson..... 85 Adelade Ave., Highland Pk., N. J.  
2AYK Frederick B. West..... Green St., Castleton, N. Y.  
2AYL Maxwell S. Jacobi..... 281 Broome Ave., New York City  
2AYM Roger Tyler..... Brookhaven, N. Y.  
2AYN John M. Wade..... 415 Convent Ave., New York City  
2AYO Charles Ligh..... Rockland Ave., New Dorp, N. Y.  
2AYP Melvin B. Goodwin..... 42 Christie St., Ridgely Park, N. J.  
2AYQ William Bell..... 777 Prospect Pl., Brooklyn, N. Y.  
2AYR James T. Corcoran..... 205 Quincy St., Brooklyn, N. Y.  
2AYS John Joseph Carroll..... 20 Preston St., Ridgely Park, N. J.  
2AYT George Edwin Wibecan, Jr..... 434 Pulaski St., Brooklyn, N. Y.  
2AYU August H. Fischer..... 1112 North Ave., Elizabeth, N. J.  
2AYV Norman Van Heusel..... 413 Magnolia St., New Brunswick, N.J.  
2AYW Phillip Small..... 852 Eastern Parkway, Brooklyn, N. Y.  
2AYX Edward Booth..... 544 Broad St., Westfield, N. J.  
2AYY Henry S. Connolly..... 293 Whitford Ave., Nutley, N. J.  
2AYZ Frank Betz..... 225 W. 80th St., New York City  
2AZ Eugene S. Pearl..... 307 Gregory Ave., Passaic, N. J.  
2AZA Paul C. Oscanyan, Jr..... 49 Larch Ave., Bogota, N. J.  
2AZB Mark Fravel..... 5 Rockledge Place, Yonkers, N. Y.  
2AZC Fred Benj. Combs..... 68 South Side Ave., Freeport, N. Y.  
2AZD Jerome Weeks..... 1-2d Ave., Bay Shore, N. Y.  
2AZE J. Eldridge Black..... 514 First Ave., Asbury Park, N. J.  
2AZF William E. Dempsey..... 176 W. Main St., Middletown, N. Y.  
2AZG Fk. McKinley Van Loan..... 48 Woodrall Av., Elizabeth, N. J.  
2AZH Jas. L. Bradford..... 721 Erie Ave., Brooklyn, N. Y.  
2AZI Abraham Sirota..... 20 Thorne St., Brooklyn, N. Y.  
2AZJ Irving Samuel Simpson..... 207-6th Ave., Brooklyn, N. Y.  
2AZK Knights of Columbus..... 240 W. 51st St., New York City  
2AZL Lawrence Callins..... 197 Stevens Ave., Ridgewood, N. J.  
2AZM Albert C. Wilson..... 71 Lawrence Ave., Brooklyn, N. Y.  
2AZN Victor Wonnay..... 342 Murray St., Elizabeth, N. J.  
2AZO Anderson Oufut..... 128 E. 24th St., New York City  
2AZP Jos. Stelmets Hayden..... Wendell Ave., Schenectady, N. Y.  
2AZQ Wm. Hawley Dutches, Jr..... 236 Hancock St., Brooklyn, N. Y.  
2AZR Chas. Crosby Pynne..... Quarters L., Navy Yard, N. Y.  
2AZS Charles C. Jamison, Jr..... 26 Oakland Ave., Bay Shore, N. Y.  
2AZT John Ogden Whedon..... Croydon Rd., Jamaica, N. Y.  
2AZU John A. Kavanagh..... 1920 Anthony Ave., Bronx, N. Y.  
2AZV John Nelson Frey..... 256 Chadwick Ave., Newark, N. J.  
2AZW Geo. Davis..... 739 South Ave., Westfield, N. J.  
2AZX Martin J. Ryan..... 78 E. 3d St., New York City  
2AZY Clifford Holman..... 306 N. 3d Ave., New Brunswick, N. J.  
2AZZ Robt. Mahlon Averill..... 196 Woodside Ave., Newark, N. J.  
2BA Harry M. Ash, Jr..... R.F.D. 4, Box 14, Schenectady, N. Y.  
2BAA Stewart L. Clothier..... 431 Hamilton St., Albany, N. Y.  
2BAB Le Roy J. McCarty..... 47 Hillside Ave., Freeport, L. I.  
2BAC Jos. Martin Joyce..... 7915 Jamaica Ave., Woodhaven, N. Y.  
2BAD William Cunningham..... 1900 Daly Ave., Bronx, N. Y.  
2BAE Charles James Boehm..... 245 E. 23rd St., New York City  
2BAF Frederick H. Stuber..... 550 W. 158th St., New York City  
2BAG Otaf J. Neergaard..... 1113 Forest Ave., New York City  
2BAH Richard Leitner..... Odell Av. & Grayston Pl., Yonkers, N.Y.  
2BAI Hays A. Berry..... 2059 Davidson Ave., Bronx, N. Y.  
2BAJ Ed. A. Gisburne..... 21 Broadway, Tarrytown, N. Y.  
2BAK Jos. B. Slavin..... 564 Monroe Ave., Elizabeth, N. J.  
2BAL Francis Bailey Korb..... 99 Woodlawn Ave., Jersey City, N. J.  
2BAM Edward Zamoycki..... 597-5th St., Brooklyn, N. Y.  
2BAN H. Winchester Chapman, Jr..... 37 Hoosick St., Troy, N. Y.  
2BAO Roy George Griffin..... 138 Senator St., Brooklyn, N. Y.  
2BAP Sigurd E. Knudson..... 4 W. Park St., Newark, N. J.  
2BAQ Radio Distributing Co..... Pearl St., Fair Haven, N. J.  
2BAR Jos. Howell Doughty..... Ridge Ave., Park Ridge, N. J.  
2BAS Richard Adolph Kuehn..... 15 W. 116th St., New York City  
2BAT Murray Blum..... 43 Bandman Ave., Jamaica, L. I., N. Y.  
2BAU Harry Lester Kingman..... Central Ave., Pearl River, N. Y.  
2BAV Arthur Hopper..... 35 W. 128th St., New York City  
2BAW Max Prilik..... 41 Temple Place, Passaic, N. J.  
2BAX Alfred R. Gessinger..... 113 Neilson St., New Brunswick, N. J.  
2BAY Ernest George Ruckle..... 47 Duncan Ave., Jersey City, N. J.  
2BAZ Karl John Franck..... 15 Ann St., Ossining, N. Y.  
2BB L. R. Lounsbury, Jr..... 517 E. 85th St., New York City  
2BBA Anton Thonges..... 181 Upper Boulevard, Ridgewood, N. J.  
2BBB George Curtis Engel..... 104 Van Dien Ave., Ridgewood, N. J.  
2BBC Chester Albert Kornhoff..... 325 Crimmins Ave., New York City  
2BBD Barnett J. Rosenthal..... 246 Oriental Place, Lyndhurst, N. J.  
2BBE Seth Gamblin..... 65 Orange St., Bloomfield, N. J.  
2BBF George H. Cliff..... 112 Ethingham Place, Westfield, N. J.  
2BBG Richard North..... 1425 Charlotte St., Bronx, N. Y.  
2BBH Barney Zwelg..... 727 Jefferson Ave., Brooklyn, N. Y.  
2BBI Fred Kaiser..... 303 State St., Hackensack, N. J.  
2BBJ John Henderson..... 183 Garfield Ave., Long Branch, N. J.  
2BBK Everett Ellsworth Smith..... 27 Gould Ave., Caldwell, N. J.  
2BBL Russell Ernest Alexander..... 144 Nichols Av., C. H., Brooklyn, N. Y.  
2BBM Bird S. Coler Southern..... 326 Division Ave., Carlstadt, N. J.  
2BBN John Willcox..... 204 W. Kennedy St., Syracuse, N. Y.  
2BBP Brett Dickinson Holmes..... 204 W. Newburgh, N. Y.  
2BBQ Harry Tice..... 262 N. 9th St., Paterson, N. J.  
2BBR Victor L. Mayer..... 38 S. Willow St., Montclair, N. J.  
2BBW Walter S. Funk..... 17 Myrtle Ave., Dover, N. J.  
2BBS Harold Frederick Mann..... 221 E. Westfield Av., Roselle Pk., N.J.  
2BBT Ed Fred Becker..... 175 E. 3d St., New York City  
2BBU Stephen Cernick..... 116 Lincoln Ave., Ridgewood, N. J.  
2BBV Jas. Obrlg..... 221 River Drive, Garfield, N. J.  
2BBW Stephen L. Takacs..... 184 Carmita Ave., Rutherford, N. J.  
2BBX Herbert Randolph Nathan..... 24 Bergen Ave., Ridgely Park, N. J.  
2BBY Roy Ehrman..... 129 Monroe St., Hoboken, N. J.  
2BBZ Joseph Becker..... 129 Monroe St., Hoboken, N. J.



2BC Charles Mulligan ..... Washington Ave., Bergenfield, N. J.  
 2BCA Arthur Heron ..... Sand Bay, Canaan, N. Y.  
 Otto Tlachack ..... 418 E. 77th St., New York City  
 2BCC Howard Charles Luttgens ..... 305 E. Westfield Ave., Elizabeth, N.J.  
 2BCD Henry T. Roth ..... 53 Lawrence Ave., Brooklyn, N. Y.  
 2BCE Norman H. Meiners ..... 138 Eaton Place, East Orange, N. J.  
 2BCF Samuel Kopelson ..... 251 E. 4th St., Brooklyn, N. Y.  
 2BCG Wm. E. Ferunden ..... 1762 Boulevard, Jersey City, N. J.  
 2BCH Brewer Francis Boardman ..... 52 Tuckahoe Rd., Yonkers, N. Y.  
 2BCI Theo. Gustav Fahn ..... 1851-61st St., Brooklyn, N. Y.  
 2BCJ Ernest John Shirell ..... 251 Washington St., Brooklyn, N. Y.  
 2BCK John M. Jefford ..... 19 Union Park Ave., Jamaica, N. Y.  
 2BCL Thos. Jos. Smith ..... 30 Amsterdam Ave., New York City  
 2BCM Daniel Erb ..... 202 Maujer St., Brooklyn, N. Y.  
 2BCN Utmark's Nautical Academy ..... 8 State St., New York City  
 2BCO Fred A. Eckhart ..... 3d St., Keyport, N. J.  
 2BCP Plume L. Douglass ..... 215 Main St., East Orange, N. J.  
 2BCQ John W. Cooper ..... 187 N. 11th St., Newark, N. J.  
 2BCR Herbert Chandler Hawkins ..... Box 54, F'r Ha'n Rd., Fair Ha'n, N.J.  
 2BCS Arthur Cornell Post ..... 329 Harrison St., Passaic, N. J.  
 2BCT John Alden Trott ..... 67 E. 12th St., Brooklyn, N. Y.  
 2BCU Alfred Feinberg ..... 10 E. 103d St., New York City  
 2BCV Wm. White ..... 222 Eldert St., Brooklyn, N. Y.  
 2BCW Samuel Ludwig Kover, Jr. .... 167 Sixth Ave., Brooklyn, N. Y.  
 2BCX Wm. F. Bolger, Jr. .... Hillsdale, N. J.  
 2BCY Wm. K. Feustel ..... 272 Lafayette Ave., Passaic, N. J.  
 2BCZ Harold F. Loekle ..... 20 Claremont Rd., Ridgewood, N. J.  
 2BD Elmer G. Baler ..... 253-9th St., Brooklyn, N. Y.  
 2BDA Edwin Odell Tupper ..... 2 Ingleisle Rd., Up. Montclair, N. J.  
 2BDB Leonard Leerbuerger ..... 116 W. 86th St., New York City  
 2BDC Raymond Schloss ..... 116 W. 86th St., New York City  
 2BDD Richard W. Jewett ..... 80 Main St., Keyport, N. J.  
 2BDE Alexander David Grant ..... 4354 Verlo Ave., Bronx, N. Y.  
 2BDF Fred Ulrich ..... 184 Ten Eyck St., Brooklyn, N. Y.  
 2BDG George Clyde Kimble ..... 284 N. 6th St., Newark, N. J.  
 2BDH Hugo Schaarschuck ..... 6 Broad St., Bergenfield, N. J.  
 2BDI Robert Pragus ..... 202 W. 107th St., New York City  
 2BDJ Raymond Farwell ..... 502 Knickerbocker Ave., Brooklyn, N.Y.  
 2BDK Albert Ed. Weissenborn ..... 312 N. Fullerton Ave., Montclair, N.J.  
 2BDL David L. Cawman ..... 513 Clifton Ave., Clifton, N. J.  
 2BDM Wm. E. Adel ..... 1914 Putnam Ave., Brooklyn, N. Y.  
 2BDN Gilbert Carter ..... 147 N. Mountain Ave., Montclair, N.J.  
 2BDO Wm. Britton ..... 262 Himrod St., Brooklyn, N. Y.  
 2BDP Adney Wyeth ..... Misner Ave., New Dorp, S. I., N. Y.  
 2BDQ Albert Roy William ..... 489 S. Mountain Ave., Montclair, N.J.  
 2BDR Merrill Wilson Pflibrick ..... 73 Madison Ave., New York City  
 2BDS Boy Scouts of America ..... 514 McDonough St., Brooklyn, N. Y.  
 2BDT Wm. Edward Garity ..... 581 St. Lawrence Ave., Bronx, N. Y.  
 2BDU Henry Q. Hornell ..... 175 Union Hall St., Jamaica, L. I.  
 2BDV John Nutley ..... Troy High Science School Club, 7th St., Troy, N. Y.  
 2BDW Richard Bernhard ..... 135 Central Pk. West, New York City  
 2BDX Fredk. John Ruff ..... 632 Coster St., Bronx, N. Y.  
 2BDY Ieldore Wolfe ..... 153 Schenck Ave., Brooklyn, N. Y.  
 2BE George S. Yerbury ..... 331 Lafayette Ave., Passaic, N. J.  
 2BEA William P. Schweitzer ..... 270 West End Ave., New York City  
 2BEB Ralph N. Nicely ..... S.W. cor. Pk. & Englew'd Eng'd, N.J.  
 2BEC Alvin Ruben ..... 831 Hunts Point Ave., Bronx, N. Y.  
 2BED George Boss, Jr. .... 315 W. 88th St., New York City  
 2BEE Joseph Michael Bogucki ..... 128 Second Ave., New York City  
 2BEF Harry Cromley ..... 85 Vreeland Ave., Nutley, N. J.  
 2BEG Bernard J. Fuld ..... 8705 Bay Parkway, Bensonhurst, L. I.  
 2BEH Dudley Phelps ..... 716 Ocean Ave., Brooklyn, N. Y.  
 2BEI Emil Henry Kates ..... 10749-117th St., Richm'd Hill, L. I.  
 2BEJ Robson, Geo. F. .... 60 Highland Park, Ridgewood, N. J.  
 2BEK Frederick P. Cannata ..... Colby Ave., Manassquan, N. J.  
 2BEL Adrian L. Wilcox ..... 425 Tremont Ave., Westfield, N. J.  
 2BEM Elmer Bond ..... 349-17th Ave., Paterson, N. J.  
 2BEN Neil J. Jorgensen ..... 1320 Clay Ave., New York City  
 2BEO Joseph Robinson Smith, Jr. .... 321 Chestnut St., Roselle Park, N. J.  
 2BEP Charles S. Fairweather ..... 39 Beach St., Bloomfield, N. J.  
 2BEQ Jacob New ..... 326-4th St., Carlstadt, N. J.  
 2BER Thos. Rankin Robinson ..... 226 Lincoln Ave., New Brunswick, N. J.  
 2BES Charles E. Littlefield ..... 2672 Mansfield Pl., Sheepshead Bay, N. Y.  
 2BET Franklin Edward Vilas ..... Arden H'se. Auten Rd., Scarsdale, N.Y.  
 2BEU John Wm. Peck ..... 277 Washington Ave., Carteret, N. J.  
 2BEV Floyd Wesley Buck ..... 15 Crescent Pl., Middletown, N. Y.  
 2BEW Martin Cohn ..... 1215 Gilbert Pl., Westchester, N. Y.  
 2BEX Wm. McCorry ..... 302 W. 126th St., New York City  
 2BEY Geo. Henry Blackwell ..... Pearl Ave., Montvale, N. J.  
 2BEZ S. Gilbert Evans ..... 164 Washington St., Bloomfield, N. J.  
 2BF Byron H. Mills ..... U. S. G. H. No. 41, Fox Hills, S. I.  
 2BFA Francis Merrill Sulzaman ..... 1831-5th Ave., Troy, N. Y.  
 2BFB George W. Smith ..... 147 Hobart St., Ridgewood Park, N. J.  
 2BFC Joseph H. Sauer, Jr. .... 130 Madison Ave., Elizabeth, N. J.  
 2BFD Wilfred A. Rausenberger ..... Main St., River Edge, N. J.  
 2BFE Wm. J. Brown ..... 75 Paterson Ave., Paterson, N. J.  
 2BFF John D. Dowden ..... 12 Franklin Ave., Glen Core, N. Y.  
 2BFG Hyman Heller ..... 134 Ambay St., Brooklyn, N. Y.  
 2BFH Philip J. Faulkner ..... 36-144th St., Jamaica, N. Y.  
 2BFI Theo Palumbo ..... 84-3d St., Keyport, N. J.  
 2BFJ Arthur John Hopper, Jr. .... 63 S. Irving St., Ridgewood, N. J.  
 2BFK Horace German ..... 108 Godwin Ave., Ridgewood, N. J.  
 2BFL Kenneth Godfrey ..... 73 Hamilton Ave., White Plains, N.Y.  
 2BFM Michael Lorenz ..... Buchanan, Westchester County, N. Y.  
 2BFN J. Wayne Blanchard ..... 213 Main St., East Orange, N. J.  
 2BFO Wm. P. Saunders ..... 523 W. 138th St., New York City  
 2BFP Anthony Jas. Brizzolari ..... 666-61st St., Brooklyn, N. Y.  
 2BFQ S. LeRoy Selberling ..... 605 Quincy St., Brooklyn, N. Y.  
 2BFR Channing Ritter ..... Fourth St., Cortesville, N. J.  
 2BFS Samuel W. Ellner ..... 916 Southern Boulevard, N. Y. City  
 2BFT George David Ulrich ..... 174 Smith St., Newark, N. J.  
 2BFU Rudolph Swenson ..... 684 Berken St., Brooklyn, N. Y.  
 2BFV John Horst ..... 1231 Halsey St., Brooklyn, N. Y.  
 2BFW Albert Fozen ..... 816-43d St., Brooklyn, N. Y.  
 2BFX Jas. Farrell Boyrer ..... 167-80th St., Brooklyn, N. Y.  
 2BFY Gerald Gross ..... 85 West Post Rd., White Plains, N.Y.  
 2BFZ William Alfred Brown ..... 49 Bayley Ave., Yonkers, N. Y.  
 2BG George F. Gaede ..... Pompton Rd., Paterson, N. J.  
 2BGA Charles Rigaud, Jr. .... 2134 Amsterdam Ave., New York City  
 2BGB John Burton Hall ..... 15 Messenger St., Toms River, N. J.  
 2BGC William M. Adler ..... 576 E. 143d St., New York City  
 2BGD Alton B. Fisher ..... 96 Enklewood Ave., Yonkers, N. Y.  
 2BGE Werner Kretschmer ..... Pierson Ave., Demarest, N. J.  
 2BGF Walter H. Conklin ..... 9 Gates Ave., River Edge, N. J.  
 2BGG Kenneth G. Bucklin ..... 1042 Merville Ave., Plainfield, N. J.  
 2BGH Lloyd S. Beebe ..... 26 Washington Rd., Scotis, N. Y.  
 2BGI Melvin J. Cranmer ..... Union Ave., Lakehurst, N. J.  
 2BGJ Joseph May ..... 316 Williamson St., Elizabeth, N. J.  
 2BGK Harold S. Allen ..... 83 Towerhill Ave., Red Bank, N. J.  
 2BGL W. C. Dickerman, Jr. Weaver St., cor. Quaker Rd., Mam'neck, N.Y.  
 2BGM Walker Patterson Inman ..... 420 West End Ave., New York City  
 2BGN Chris M. Bowman ..... 547 E. 1st Ave., Roselle, N. J.  
 2BGO Frank A. Gunther ..... 145 E. 92d St., New York City  
 2BGP Charles Wohlers ..... 295 Putnam Ave., Brooklyn, N. Y.  
 2BQQ Edward Mills Douglas ..... Short Hills, N. J.  
 2BGR Tremaine Hulse ..... 32-3d Ave., Bay Shore, N. Y.  
 2BGS Co. A, 1st Bat. N. Y. Si C 71st Reg. Arm., 34th & Pk., N. Y. City  
 2BGT Field Radio Station No. 1 ..... 54 N. 3d St., Newark, N. J.

2BGU Aubrey Chas. Schless ..... 240 E. 61st St., New York City  
 2BGV Ronald B. Leavitt ..... 435 Fort Washington Ave., N. Y.  
 2BGW Daniel J. McMonagle ..... 860 Rogers Ave., Brooklyn, N. Y.  
 2BGX Edward Miller ..... 96 Sinclair Ave., Winfield, N. Y.  
 2BGY Walter Merton Perry ..... 56 Cambridge Place, Long I., N. Y.  
 2BGZ Dominick ..... 12 Allan St., Jamaica, Long I., N. Y.  
 2BH Henry G. Muller ..... 2900-8th Ave., New York City  
 2BHA Robert E. Goll ..... 1342 E. 22d St., Brooklyn, N. Y.  
 2BHB Walter B. Thomson ..... 68 E. 8th St., Brooklyn, N. Y.  
 2BHC Walter Gray King, Jr. .... 25 Claremont Ave., New York City  
 2BHD Vincent Hall Brown ..... 410 Fifth Ave., Belmar, N. J.  
 2BHE John Castellano ..... 633 Vanderbilt Ave., Brooklyn, N. Y.  
 2BHF Robert A. Tannahill ..... 215 Garstide Ave., Newark, N. J.  
 2BHG Francis M. Paret ..... 35 Claremont Ave., Verona, N. J.  
 2BHH W. Raymond Van Horn ..... Star Route No. 2, Red Bank, N. Y.  
 2BHI Herbert V. Nordholm ..... 42 St. James Terrace, Yonkers, N. Y.  
 2BHJ Otto Fred Fredericks ..... 701 Summer Ave., Newark, N. J.  
 2BHK Nicholas Thos. Nolan ..... 25 Jay St., Newark, N. J.  
 2BHL Homer J. Wright ..... 52 Elliott St., Yonkers, N. Y.  
 2BHM Arthur Chalmers Hance ..... 18 Bergen St., Hackensack, N. J.  
 2BHN Russell Shoemaker Ohl ..... 240 Prospect St., East Orange, N. J.  
 2BHO Harry D. Madden ..... 14 Voorhies St., Newark, N. J.  
 2BHP Jos. Rigby, Jr. .... 905 E. 19th St., Paterson, N. J.  
 2BHQ Seward Stafford Miller ..... 108 Lincoln Ave., Ridgewood, N. J.  
 2BHR Henry Addis Arthur ..... 127 Van Dien Ave., Ridgewood, N. J.  
 2BHS Christie Kermit Conklin ..... 91 Fulton Ave., Poughkeepsie, N. Y.  
 2BHT William G. Moore ..... 68 Maolls Ave., Bloomfield, N. J.  
 2BHU Russel Morrow Swain ..... 62 N. Arlington Ave., E. Orange, N.J.  
 2BHV Chas. Eutl ..... 115 Kingsley St., Leonia, N. J.  
 2BHW Nell Avery ..... 148 Parkside Ave., Brooklyn, N. Y.  
 2BHX John Anderson ..... 596 E. 141st St., New York City  
 2BHY Carl M. Srebroff ..... 170 E. 91st St., New York City  
 2BHZ Edward R. Sayers ..... 27 Washington Ter., Newburgh, N. Y.  
 2BI James Wood ..... 1420 Putnam Ave., Brooklyn, N. Y.  
 2BIA Victor D. Borst, Jr. .... 100 E. Main St., Cobleskill, N. Y.  
 2BIB John Geo. Murcken ..... P. O. Box 59, Westwood, N. J.  
 2BIC Lawrence Bennetzen ..... 13 Park Ave., Rutherford, N. J.  
 2BID Harold Claude Hogenkamp ..... 623 E. 22d St., Paterson, N. J.  
 2BIE Walton B. Willey ..... R.F.D. 1, Centerville, n. Keyport, N.J.  
 2BIF Alphonse S. Duolos ..... 209 James St., Scotis, N. Y.  
 2BIG Frank James Moles ..... 115 Holdersberg Ave., Schenectady, N.Y.  
 2BIH Harry Tilton Jobs ..... 32 Westside Ave., Red Bank, N. Y.  
 2BIJ Walter R. Allen ..... 32 Hamilton St., East Orange, N. J.  
 2BIK Chester B. Menely ..... 9 Washington Place, Troy, N. Y.  
 2BIL Anthony J. Ordon ..... 8 Cheltenham Ave., Schenectady, N. Y.  
 2BIM Carl Schrader ..... 3 Rockland Ave., Yonkers, N. Y.  
 2BIN Newton Sweet, Jr. .... 251 Second St., Union, N. J.  
 2BIO Frank William Efinger ..... 134 Elwood Ave., Newark, N. J.  
 2BIP Gilbert Waterman Shepard ..... 22 E. Pierrepont Ave., Rutherford, N.J.  
 2BIQ William Skinner ..... 9136-118th St., Richmond Hill, N.Y.  
 2BIR Mutual News Association ..... 2 & 4 Stone St., New York City  
 2BIS Donald Arthur Troy ..... 288 Prospect St., Nutley, N. J.  
 2BIT Marion H. Hammerly ..... 1 Bronxville Road, Bronxville, N. Y.  
 2BIU Asbury Park Radio School ..... 814 Crookman Ave., Asbury Park, N. J.  
 2BIV Hymen Bayer ..... 75 E. 119th St., New York City  
 2BIW Abjahl Upsom Fox ..... 57 High St., Nutley, N. J.  
 2BIX Viggo C. Eherlin ..... 305 E. 206th St., New York City  
 2BIY Charles A. Blims ..... 86 Clark St., Ocean Grove, N. J.  
 2BIZ John F. McCarthy ..... 160 Alden St., Orange, N. J.  
 2BJ Clarence Wm. Coppings ..... 2407 Valentine Ave., New York City  
 2BJ H. H. Dahms ..... 7 Gray St., Poughkeepsie, N. Y.  
 2BJA Edward Ashforth ..... 319 Union St., Union Hill, N. J.  
 2BJB Paul Henry Rank ..... 681 Vanderbilt Ave., Brooklyn, N. Y.  
 2BJC William A. Rogge ..... 122 Union St., Town of Union, N. J.  
 2BJD Fred Cierptk ..... 160 Rockaway Rd., Jamaica, N. Y.  
 2BJE Fred Walther ..... 542 E. 85th St., New York City  
 2BJF Glenn Phillips ..... 1061 E. 109th St., Brooklyn, N. Y.  
 2BJG Stuart A. Hendrick ..... 50 Buchanan Place, New York City  
 2BJH Edward Maynard Giles ..... 345 E. 36th St., Paterson, N. J.  
 2BJI Frederick Conrad Read ..... 618 E. Jersey St., Elizabeth, N. J.  
 2BJJ Mahar, John ..... 36 Elliott St., Newark, N. J.  
 2BJK Ernest Robinson Granger ..... 47 First Ave., Mount Vernon, N. Y.  
 2BJL R. W. Ackerman ..... Box 155, Pleasantville, N. Y.  
 2BJM William Farrell ..... 195 Bull's Spgs. Ar., E. Rutherford, N.J.  
 2BJN Eugene Ross, Jr. .... 3 Grtn Av., Liv. M. N. Brunsw'k, N.Y.  
 2BJO Rudolph W. Ackerman, P.O. Box 155, Bear Rd., Pleasantville, N.J.  
 2BJP John Leslie Payne ..... 819 E. Broad St., Westfield, N. J.  
 2BJR Robert Hoar ..... 124 West End Ave., Ridgewood, N. J.  
 2BJS Bernard H. Mahon ..... 545 E. Broad St., Westfield, N. J.  
 2BJT Kinderkamack Rd., River Edge, N. J.  
 2BJU Henry Marshall, Jr. .... 67 Rutledge Ave., East Orange, N. J.  
 2BJV Allan Horn Multhead ..... Fairmont Ave., Demarest, N. J.  
 2BJW Frank Jeffreys, Jr. .... 37 Hurlbut St., Albany, N. Y.  
 2BJX Albert Francis Lupus ..... 169 S. 9th St., Newark, N. J.  
 2BJY John Wilson Sealey ..... 524-3d St., Union Hill, N. J.  
 2BJZ Don Blair Knapp ..... Haworth, N. J.  
 2BK Edward M. Little ..... 21 Clayton Ave., Cortland, N. Y.  
 2BK Carl E. Trube ..... 70 Woodland Rd., Maplewood, N.J.  
 2BKA Edmund Gregory Smith ..... 495 Bloomfield Ave., Verona, N. J.  
 2BKB Dewey Theo Simonds ..... 2 Cortland St., Schenectady, N. Y.  
 2BKC Francis Dwyer ..... 436-72d St., Brooklyn, N. Y.  
 2BKD Alanson H. Scott, Jr. .... 268 Dean St., Brooklyn, N. Y.  
 2BKE Olle D. Engstrom ..... 163-E. 69th St., New York City  
 2BKF Arnold H. Hiltneren ..... 526 E. 138th St., New York City  
 2BKG Oscar Edward Wellesborn ..... 46 Sherman Place, Jersey City, N. J.  
 2BKH Frank Benjamin ..... 969 E. 165th St., New York City  
 2BKI Bernard Steinberger ..... 512 E. 148th St., New York City  
 2BKJ David W. Dana ..... 14 Edgewater Ave., Grantwood, N. J.  
 2BKK Norman Rowe ..... 828 Grand St., Jersey City, N. J.  
 2BKL Roger W. Bunce ..... Tappan Road, Norwood, N. J.  
 2BKM Edwin Andrew Fives ..... 1223 Halsey St., Brooklyn, N. Y.  
 2BKN Edward J. Klam ..... 46 Nichols Ave., Brooklyn, N. Y.  
 2BKO Timothy James Falk ..... 64 Elliott St., Newark, N. J.  
 2BKP William Frame ..... 85 Tompkins Ave., Brooklyn, N. Y.  
 2BKQ Edward Maged ..... 1377-40th St., West New York, N.Y.  
 2BKR Divan H. Sarkislan ..... 111A-13th St., West New York, N.J.  
 2BKS Albert E. Siegel ..... 396 Bleeker St., Brooklyn, N. Y.  
 2BKU Stanley R. Russell ..... 1556 Anne St., West Fort Lee, N. J.  
 2BKV Percy B. Smith ..... Bayhurst Ave., Flushing, N. Y.  
 2BKW Seb J. Kelly ..... 565 Remington Ave., Arverne, N. Y.  
 2BKX Edward Wallace Colt ..... 214 Parkwood Blvd., Schenectady, N.Y.  
 2BKY George A. Wies, Jr. .... 246 West End Ave., New York City  
 2BKZ John D. Mattson, Jr. .... 140 Grand Ave., Astoria, N. Y.  
 2RL Joseph Leipsiger ..... 785 Hewitt Place, New York City  
 2RL Reed Cline ..... Main St., Millerton, N. Y.  
 2BLA Joseph James Farley ..... 303 Ann St., Harrison, N. J.  
 2BLB Walter Rosster ..... 61 James St., Paterson, N. J.  
 2BLC Theodore Tollman ..... 283 Seaman St., New Brunswick, N. J.  
 2BLD Evans Hicks ..... Clifton Ave., Toms River, N. J.  
 2BLE Raymond F. Kinsey ..... 22 N. 6th St., Newark, N. J.  
 2BLF Raymond W. Graper ..... 4 N. Wendell Ave., Schenectady, N.Y.  
 2BLG Leslie M. Antonides ..... 85 First Ave., Atlantic Highlands, N. J.  
 2BLH Melvin S. Moore ..... N. Broad & Sea Girt, Manassquan, N.J.  
 2BLI Percy W. Babbitt ..... 210 Renshaw Ave., East Orange, N. J.  
 2BLJ Dudley E. Heath ..... 100 S. 4th St., New Brunswick, N. J.  
 2BLK William J. MacChesney ..... 34 Hawthorne Place, Summit, N. J.  
 2BLM Harry Trachtman ..... 335 E. 94th St., New York City  
 2BLN Alan Webster Veldran ..... 488 Clifton Ave., Clifton, N. J.  
 2BLO Conrad A. Fleckenstein ..... 32 Jay St., Newark, N. J.  
 Harry Russell Davidson ..... 1051 E. Grand St., Elizabeth, N. J.

2BLP Leroy Bowler Matthews.....Main St., Locust Valley, N. Y.  
 2BLQ Charles V. D. Kusling.....2044 Garfield St., Newark, N. J.  
 2BLR Gordon F. Van Meerbeke.....Atlantic St., Keyport, N. J.  
 2BLS Elmer Gordon Motat.....R. F. D. No. 2, Colonie, N. Y.  
 2BLT Francis Cutler Mettall.....270 U. P. Ave., Up. Montclair, N. J.  
 2BLU Raymond Isaby.....707 Becker St., Schenectady, N. Y.  
 2BLV Murdock White.....Prospect Park, White Plains, N. Y.  
 2BLW Charles F. Shirk, Jr.....31 Small Ave., Caldwell, N. J.  
 2BLX Leo Rostenberg.....15 Chestnut Hill Ave., Wh. Pl., N. Y.  
 2BLY Arthur Rauch.....53 Washington Ave., Rutherford, N. J.  
 2BLZ William E. Traver.....614 Smith St., Inwood, N. Y.  
 2BM E. Heermann.....623 State St., Hudson, N. Y.  
 2BMA Walter Chas. von Brant.....158 S. Valley Rd., W. Orange, N. J.  
 2BMB Howard Erdman.....7 Bleachery Row, Fairview, N. J.  
 2BMC W. H. Everson.....94 Church St., New Brunswick, N. J.  
 2BMD Allan Joseph Terhune.....51 Ridge Ave., Passaic, N. J.  
 2BME Walter L. Shepard.....112 Park Place, New Brunswick, N. J.  
 2BMF Raymond Bertin.....P. O. Box 7, Hillsdale, N. J.  
 2BMG Harold George Connor.....827 Third Ave., Troy, N. Y.  
 2BMH Aulen Reid.....70 Mt. Carmel Way, Ocean Gr., N. J.  
 2BMI Guthrie Mitchell.....244 Lafayette Ave., Passaic, N. J.  
 2BMJ Henry C. Degoutrie.....2068 Arthur Ave., New York City  
 2BMK Elmer Bakelaar.....25 Barnet Place, Paterson, N. J.  
 2BML H. H. Beverage.....Care Radio Corp. of America, Belmar, N. J.  
 2BMM Robert Lowe Coombs.....47 Wells Ave., Jamaica, N. Y.  
 2BMN Walter F. Splitzoff.....51 Autumn Ave., Brooklyn, N. Y.  
 2BMO William H. Wilson.....334A-9th St., Jersey City, N. J.  
 2BMP Kingsley Martell.....144 Whitford Ave., Nutley, N. J.  
 2BMQ Anthony Peter Garzillo.....590 Eagle Ave., New York City  
 2BMR George Sullivan Watson.....Bergen Blvd., Ridgefield, N. J.  
 2BMS John Jacob Glauber.....151 N. 12th St., Newark, N. J.  
 2BMT Samuel Shlmskash.....344 Forrest St., Jersey City, N. J.  
 2BMU John McGeeney.....Fulton St. & Hollis Ave., Hollis, N. Y.  
 2BMV Edward Lind.....5017 Fourth Ave., Brooklyn, N. Y.  
 2BMW Jerome C. Dodman.....10739-111th St., Richm'd Hill, N. Y.  
 2BMX lamfrid Brauner.....579 Tenth St., West New York, N. J.  
 2BMY Lucien Dalleader.....200 Walworth St., Brooklyn, N. Y.  
 2BMZ Martin Lee.....446 Jefferson Ave., Brooklyn, N. Y.  
 2BN E. G. Sisson, Jr.....15 The Crescent, Montclair, N. J.  
 2BNA Frederick Chas. Krummel.....488 Nostrand Ave., Brooklyn, N. Y.  
 2BNB Sol Kuperman.....701 Prospect Ave., Bronx, N. Y.  
 2BNC Gustave W. Wolf.....Park Crescent, Jamaica, N. Y.  
 2BND Leroy E. Watkins.....380 Riverside Drive, New York City  
 2BNE George J. Berg.....165 W. 20th St., New York City  
 2BNF Donald Wells Exner.....112-23rd St., Elmhurst, N. Y.  
 2BNG Ruolph Fangarolt.....40 Beard St., New York City  
 2BNH Edward J. Hefele.....2279 Washington Ave., New York City  
 2BNI William Alexander.....49 Jackson Ave., New York City  
 2BNJ John Cardozo.....7609-5th Ave., Brooklyn, N. Y.  
 2BNK William Schwartz.....1284 Halsey St., Brooklyn, N. Y.  
 2BNL Edwin Courtney Wilbur.....25 Vermilyea Ave., New York City  
 2BNM John Ward.....496 E. 154th St., New York City  
 2BNN George P. Noble.....444 Fulton St., Jamaica, N. Y.  
 2BNO John Wm. Heimstaedter, Jr.....405 Park Ave., Newark, N. J.  
 2BNP William Charles Burns.....2655 Mansfield Pl., Brooklyn, N. Y.  
 2BNQ Claude McCormack.....826 Halsey St., Brooklyn, N. Y.  
 2BNR Raymond M. Ryerson.....31 Park End Pl., East Orange, N. J.  
 2BNS Louis Menier.....536 E. 88th St., New York City  
 2BNT Walter John Roche.....821 Foster Ave., Brooklyn, N. Y.  
 2BNU Fred Nelson Graddy.....317 Millie Ave., Freeport, N. Y.  
 2BNV John William Guttridge.....1418 Mott Ave., Inwood, N. Y.  
 2BNW Pindar L. Rosaback.....5 Pinehurst Ave., New York City  
 2BNX Theodore L. Smith.....14 Keene Ave., Floral Park, N. Y.  
 2BNY Herbert Smith.....19 Pinehurst Ave., New York City  
 2BNZ Edwin A. Dickinson.....1038 Garden St., Hoboken, N. J.  
 2BO Meyert A. McIntire.....956 E. 22d St., Brooklyn, N. Y.  
 2BOA Ferry C. Smith.....1821 E. 17th St., Brooklyn, N. Y.  
 2BOB Robert G. Kissick.....199 Lincoln Place, Brooklyn, N. Y.  
 2BOC Malcolm Graham.....18 W. Ridgewood Ave., Ridgew'd, N. J.  
 2BOD John E. Kasblitt.....1437 Castle Hill Ave., New York City  
 2BOE Robert Russell Nordstrom.....1676 E. 13th St., Brooklyn, N. Y.  
 2BOF Harian V. Smith.....192 Myrtle Ave., Irvington, N. J.  
 2BOG Ray L. Burmans.....458 St. James Place, Brooklyn, N. Y.  
 2BOH James A. Edwards.....Lewenose Ave., Hollis, N. Y.  
 2BOI Arthur Eugene Kerwin.....Center Ave., Fort Lee, N. J.  
 2BOJ Charles H. Benjamin.....486 Wiloughby Ave., Brooklyn, N. Y.  
 2BOK Charles K. Leutz.....Saxon Ave., Bayshore, N. Y.  
 2BOL Charles W. Ludwig.....288 Autumn Ave., Cypress Hills, N. Y.  
 2BOM Alexander M. Fairman.....3315 Broadway, New York City  
 2BON John Edmund Kunnast.....Tom Hunters Rd., Fort Lee, N. J.  
 2BOO H. A. Schmidt.....1163 Rogers Ave., Brooklyn, N. Y.  
 2BOP N. Y. State College for Teachers, Western Ave., Albany, N. Y.  
 2BOQ Simon Mariani.....2744 E. 27th St., Brooklyn, N. Y.  
 2BOR Harold Bramire.....2318 Andrews Ave., New York City  
 2BOS Max Mandel.....416 E. 70th St., New York City  
 2BOU H. Arthur Gross.....63 Hart St., Brooklyn, N. Y.  
 2BOV Arthur G. W. Gelbke.....104-118-122d St., Richm'd Hill, N. Y.  
 2BOW Harold Brannick.....229 Ashford Ave., Dobb's Ferry, N. Y.  
 2BOX Charles W. Brown, Jr.....471 Tompkins Ave., Brooklyn, N. Y.  
 2BOY Vincent J. Glicher.....436 Liberty Ave., Jersey City, N. J.  
 2BOZ Louis L. Driggs.....1 Hale Place, New Rochelle, N. Y.  
 2BP John Pollock.....230 W. 99th St., New York City  
 2BPA Fred N. M. Squires.....101 Villa Ave., Yonkers, N. Y.  
 2BPB Lloyd T. Goldsmith.....28 Floral Blvd., Floral Park, N. Y.  
 2BPC John Kennard Morris.....Kinderkamack Rd., River Edge, N. J.  
 2BPD Lawrence A. Wood.....1122 Elm St., Peekskill, N. Y.  
 2BPE Leslie H. Robertson.....18 Grave St., Bloomfield, N. J.  
 2BPF Stanley F. Johnson.....273-94th St., Brooklyn, N. Y.  
 2BPG Harry A. Bremer.....39 Sherman Ave., Jersey City, N. J.  
 2BPH George E. Jacobs.....165 Bayview Ave., Jersey City, N. J.  
 2BPI George Barenblatt.....290 Willis Ave., New York City  
 2BPJ Charles Cowing Zacharie.....39 Court St., White Plains, N. Y.  
 2BPK Henry Bismarck Eitzen.....172 West End Ave., New York City  
 2BPL Gustav May.....494 Hendrix St., Brooklyn, N. Y.  
 2BPM George Kirby.....34 Boerum Ave., Flushing, N. Y.  
 2BPN Jack K. Beck.....384 Halsey St., Brooklyn, N. Y.  
 2BPO Thomas J. Nunan.....168 Summit Ave., Summit, N. J.  
 2BPP Richard S. Bourne, Jr.....628-6th St., Brooklyn, N. Y.  
 2BPQ Lester Howard Armbruster.....11 Rockwood Ave., Baldwin, N. Y.  
 2BPS John Fulton.....184 Madison Ave., Clifton, N. J.  
 2BPU Robert Stanley Miller.....Leisvare Ave., Alerria, N. Y.  
 2BPV William S. Yeager.....138 Walnut St., Montclair, N. J.  
 2BPW Joseph Rutledge.....260-4th Ave., Troy, N. Y.  
 2BFX Mark S. Kanaull.....Martine Ave., Fanwood, N. J.  
 2BFY Frederick R. Sherwood.....202 Park Ave., Paterson, N. J.  
 2BFZ John I. Blauvelt.....636 Mt. Prospect Ave., Newark, N. J.  
 2BG Baldwin Guild.....636 Mt. Prospect Ave., Newark, N. J.  
 2BGA Burt Toegel.....565 Meadow St., Elizabeth, N. J.  
 2BGB Edwin S. Worden, Jr.....19 Barker Ave., White Plains, N. Y.  
 2BGC Franklin A. Korn.....330 S. Park St., Elizabeth, N. J.  
 2BGD Hugh S. Conaughty.....172 Furman St., Schenectady, N. Y.  
 2BGE James Cosmas.....82 Newark Ave., Paterson, N. J.  
 2BGF Charles L. Wilcox.....Fair St., Carmel, N. Y.  
 2BGH Walter Ed Litke.....1311 Fugate Ave., New York, N. Y.  
 2BGI W. K. Selgie.....Orienta Point, Mamaroneck, N. Y.  
 2BJ Charles W. Thomas.....5 Kiv. Rd., High'd Pk., N. Bruns., N. J.  
 2BJJ Russell Wylie.....11 Belmont Ave., Schenectady, N. Y.  
 2BK John Tiffany.....43 Oakridge Ave., Summit, N. J.  
 2BQL Rudolph Jamross.....617 E. 147th St., New York City

2BQM Flushing High School Radio Club, Whitestone & Br'd'v., Flushing, N. Y.  
 2BQN Robert Roy Susdorf.....533A Quincy St., Brooklyn, N. Y.  
 2BQO Freehold Y.M.C.A. Radio Club, Main St., Freehold, N. J.  
 2BQP Alphonse Andrew Fusco.....2404 Crotona Ave., Jersey City, N. J.  
 2BQQ Elmer E. Falter.....21 Van Reusen Ave., Jersey City, N. J.  
 2BQR Earl Haverly.....68 W. 6th St., Bayonne, N. J.  
 2BQS Robert T. Morris.....149 W. 88th St., New York City  
 2BQT Harold L. Olesen.....(Box 129) Main St., Riverhead, N. Y.  
 2BQU Herman F. Kuch.....Bertha Place, Grymes Hill, S. L. N. Y.  
 2BQV John Wyatt Davis.....21 S. Clinton St., East Orange, N. J.  
 2BQW Edward Ruth.....1 N. Flisk Ave., Winfield, N. Y.  
 2BQX Chas. L. Davis.....537 Fowler Ave., Pelham Manor, N. Y.  
 2BQY Walter A. Wilson.....103-18-123d St., Richmond Hill, N. Y.  
 2BZZ Theo Sprink.....116 Jay Ave., Lyndhurst, N. J.  
 2BR Joseph S. Callan.....1087 New York Ave., Brooklyn, N. Y.  
 2BRA Jess Giltz.....9 South Park Drive, W. Orange, N. J.  
 2BRB Ed Maurice Glaser.....845 E. 13th St., Brooklyn, N. Y.  
 2BRC Howard P. Corwith.....Water Mill, N. Y.  
 2BRD Leonard Wichern.....2 Hill St., Granton, N. J.  
 2BRE Monroe Gold.....644 E. 15th St., Brooklyn, N. Y.  
 2BRF J. Frank Dee.....1010 Garden St., Hoboken, N. J.  
 2BRG Lawrence D. Jameson.....21 Sanford Pl., W. N. Brighton, N. Y.  
 2BRH Ralph Steinberg.....1102 President St., Brooklyn, N. Y.  
 2BRI Leonard H. Marshall.....240 Westchester Av., Pt. Chester, N. Y.  
 2BRJ Andrew John Walker.....248 W. 20th St., New York City  
 2BRK Robert S. Densham.....224-74th St., Brooklyn, N. Y.  
 2BRL Chas. R. Taylor.....230 W. 122d St., New York City  
 2BRM Morris Speisman.....734 Prospect Ave., New York City  
 2BRN Abel E. Blackmar, Jr.....177 Lenox Rd., Brooklyn, N. Y.  
 2BRO Cov. Guion Kilbourne.....251 W. 73d St., New York City  
 2BRP Michael J. Sammer.....166 Jacques St., Elizabeth, N. J.  
 2BRQ Lyman J. Wiggins.....73 Hanover St., Elmhurst, N. Y.  
 2BRR Jean Baptist Marlon.....1622 Neptune Av., Coney Island, N. Y.  
 2BRS Leslie Sears Browne.....62 Maurice Ave., Elmhurst, N. Y.  
 2BRT Herman Fred Buschow.....2320 Newbold Ave., New York, N. Y.  
 2BRU Alfred Wydan.....717 Lott Ave., Woodhaven, N. Y.  
 2BRV Joseph J. Early.....165 Malone Ave., Belleville, N. Y.  
 2BRW Donald Merritt Cole.....379 Virginia Ave., Jersey City, N. J.  
 2BRX Henry Fred Helms.....1448 Oxford Ave., Woodhaven, N. Y.  
 2BRY Calvary Baptist Radio Club.....123 W. 57th St., New York City  
 2BRZ Tom J. Murphy.....52 W. 82d St., New York City  
 2BS Fred E. Garlick.....23 Occident Ave., Tompkinsville, N. Y.  
 2BSA Douglas A. Maltby.....974 Park Ave., Plainfield, N. J.  
 2BSB Raymond I. Ainsworth.....41 Ten Broeck St., Albany, N. Y.  
 2BSD Deldrich Hewlett Doscher.....Locust Av. T. O. B., Glen Head, N. Y.  
 2BSE Charles C. Sherman.....393 Palisade Ave., Union Hill, N. J.  
 2BSF Jas. Russell Hallock.....Milton-on-the-Hudson, N. Y.  
 2BSG Oliver Brayton Pinkney.....7 Garden St., Montclair, N. J.  
 2BSH Thurlow Kuser.....44 Hillside Ave., West Orange, N. J.  
 2BSI Geo. L. Fuller.....26 Westside Ave., Schenectady, N. Y.  
 2BSJ David A. Crowley.....18 Rankin St., Elizabeth, N. J.  
 2BSK Alfred H. Kowe, Jr.....186 Linden Ave., Glen Ridge, N. J.  
 2BSL Elmer St. Joun.....50 Schenectady St., Schenectady, N. Y.  
 2BSM Kendrick Barlow.....97 Godwin Ave., Ridgewood, N. J.  
 2BSN Charles Niles.....25 Pine St., Freeport, N. Y.  
 2BSO Ignatius Olescky.....228 Water St., Perth Amboy, N. J.  
 2BSP Herbert Frita.....George St., New Brunswick, N. J.  
 2BSQ Harry C. Dederick.....46 N. 5th St., Hudson, N. Y.  
 2BSR Chas. Vernon Muchmore.....307 Couderd Pl., South Orange, N. J.  
 2BST Julius Jacobs.....Front St., Keyport, N. J.  
 2BSU Walter S. Lawrence.....Montclair Ave., Paterson, N. J.  
 2BSV Edward Lenox.....117 Overcup Av., Ridgefield Pk., N. J.  
 2BSW Miles S. Hendricks.....119 Church St., Poughkeepsie, N. Y.  
 2BSX Fred John Dering.....1823 Garden St., Ridgewood, N. Y.  
 2BSY Orison Whipple Hungerford.....Fort Hill Rd., Scarsdale, N. Y.  
 2BSZ Stanley Fred Dunham.....E. Baldwin St., East Orange, N. J.  
 2BTA Anton Franz Wash. Boehm.....135 Autumn Ave., Passaic, N. J.  
 2BTE Joseph Hatcher.....159 Broad St., Ridgewood, N. J.  
 2BTF John F. Adams.....1048 Julia St., Elizabeth, N. J.  
 2BTB Milton Benson Hallett.....86 Prospect Place, Rutherford, N. J.  
 2BTC Ervin Reed.....127 Wallace St., Red Bank, N. J.  
 2BTD Erwin R. Johnson.....23 Appleton Place, Montclair, N. J.  
 2BTE Arthur W. Moore.....Smith St. & Babylon T., Merrick, N. Y.  
 2BTF Charles Danforth Field.....235 Edgar Place, Elizabeth, N. J.  
 2BTG Patrick J. Joyce.....891 Fresh Pond Rd., Ridgewood, N. Y.  
 2BTH Wm. Starker.....33 Winant Ave., Ridgefield Pk., N. J.  
 2BTI Cornelius Fulton.....Box 28, North Hackensack, N. J.  
 2BTJ Leslie H. Gardner.....39 Montrose St., Newark, N. J.  
 2BTK Adrian M. Quaid.....E. Main St., Sayreville, N. J.  
 2BTL Wm. McLean Applegate.....90 Maple Ave., Red Bank, N. J.  
 2BTM Gerald Wesley Good.....420 Valley Rd., Upper Montclair, N. J.  
 2BTN Marvin C. M. Lane.....26 Westfield Ave., Roselle Park, N. J.  
 2BTO Ed. Stiles Read.....125 Hudson Av., Ridgefield Pk., N. J.  
 2BTP Geo. W. Barkeley.....60 Main St., South River, N. J.  
 2BTQ Raymond Warner.....1700 State St., Schenectady, N. Y.  
 2BTR Walter John Swenson.....15 Oxford St., Montclair, N. J.  
 2BTS Fred. Arthur Amrose.....714 Leland Ave., Plainfield, N. J.  
 2BTT Franklyn Archibald Miller.....23 S. Van Dlen St., Ridgewood, N. J.  
 2BTU Jean Camps.....10 Johnsons Lane, Baldwin, N. Y.  
 2BTV Vernon Du Bois Penner.....Cedar St., Cedar Gr., N. J. Box 245  
 2BTW Frank Wm. Paul.....252-12th St., Brooklyn, N. Y.  
 2BTX Edgar E. Harrison.....343 Spruce Ave., Garwood, N. J.  
 2BTY Norwood V. Bradshaw.....216 E. 46th St., New York City  
 2BTA Eagan Radio School.....66 Hudson St., Hoboken, N. J.  
 2BTZ Geo. D. T. Rouse, Jr.....Central Av. & H. St., Ramsey, N. J.  
 2BU Harold T. Sniffin.....730 E. 178th St., New York City  
 2BUB Frank A. Hahnel.....214 E. 38th St., New York City  
 2BUC Robert E. Hancock.....56 Ridgewood Rd., S. Orange, N. J.  
 2BUD Fredk. H. Fuller, Jr.....436 Richmond Ave., S. Orange, N. J.  
 2BUE Theo. H. Ames.....300-2d Ave., Bradley Beach, N. J.  
 2BUF Geo. K. Graham.....361 E. 169th St., New York City  
 2BUG Wm. Lux.....411 Washington Ave., Grantwood, N. J.  
 2BUH Abr. Abelson.....1808 Pitkin Ave., Brooklyn, N. Y.  
 2BUI Walter Dressler.....768 Fresh Pond Rd., Ridgewood, N. Y.  
 2BUJ Robert E. Cadleek.....472 E. 75th St., New York City  
 2BUK William Hudtwalker.....8512-110th St., Richmond Hill, N. Y.  
 2BUL Wm. E. Fleck.....Chestnut St., Haworth, N. J.  
 2BUM Alvin Charles Gary.....310 W. 135th St., New York City  
 2BUN Ed. Heuerhues.....8792 Lefferts Av., Richm'd Hill, N. Y.  
 2BUO Paul Sherman.....1692 Washington Ave., New York City  
 2BUP Werner H. Olpe.....14 Brooklyn Ave., Jamaica, N. Y.  
 2BUQ Albert Sonnick.....322 E. 141st St., New York City  
 2BUR John E. Haglund.....67 Lurting Ave., Elmhurst, N. Y.  
 2BUS Irvin Aaronson.....247 Vermont St., Brooklyn, N. Y.  
 2BUT Alfred G. Reinhart.....527 Morris Ave., Elizabeth, N. J.  
 2BUV Jos. Trolano.....1719 Zereka Ave., Westchester, N. Y.  
 2BUW Theo. H. Ames.....71 Christopher St., Montclair, N. J.  
 2BUX Henry M. Blatner.....165 Hamilton St., Albany, N. Y.  
 2BUX Stogdell S. Lesh.....5 Thomas St., South River, N. J.  
 2BUX Harold Rhodes.....45 Runyon Ave., Deal, N. J.  
 2BUY William R. Simpson.....211-9th Ave., Bradley Park, N. J.  
 2BUZ Fk. Edward Wentink.....Salsbury Mills, N. Y.  
 2BVA Reginald K. Woodward.....84 Amherst St., East Orange, N. J.  
 2BVB Frank Benj. Eaton.....716-12th Ave., Newark, N. J.  
 2BVC Harrison Harry Bonney.....Jackson Ave., Seaford, N. Y.  
 2BVD Louis Fimian.....3 Pleasant Av., Hastings-on-Hud., N. Y.  
 2BVE M. Norman Dooley.....166 S. Arlington Av., E. Orange, N. J.  
 2BVF Donald Irving Oakley.....24 Chestnut St., Red Bank, N. J.  
 2BVG George Hambacher.....8 Dodd St., Bloomfield, N. J.  
 2BVG John P. Meehan.....32 Dana Ave., Albany, N. Y.



2BVH F. Whittlesey Booth..... 111 Lincoln Ave., N. Brunswick, N. J.  
 2BVJ Rich. Horace Zimmerman..... 50 Martin Rd., Verona, N. J.  
 2BVK Robt. N. Dobbins..... R.F.D. 3, Box 326, Freehold, N. J.  
 2BVL Jans. P. Burton..... 140 Jennings Ave., Patchogue, N. Y.  
 2BVM Theo. Alfred Bedell..... 143 Harrison Ave., Baldwin, N. Y.  
 2BVN Albert Edwin Storey..... 25A Hamilton St., E. Orange, N. J.  
 2BVO Alfred Filskov..... 302 Main St., South Amboy, N. J.  
 2BVP Howard E. Bartow..... Oakwood Ave., Merrick, N. Y.  
 2BVQ Donald Clute Macintosh..... 3 Gillespie St., Schenectady, N. Y.  
 2BVR Jos. Chas. Veach..... 28 N. Perry St., Poughkeepsie, N. Y.  
 2BVS John J. Guarino..... 69 W. Grove St., Lynbrook, N. Y.  
 2BVT Stephen Francis Pitonak..... 12 Valley Rd., Clifton, N. J.  
 2BVU Elphege A. Lussler..... 6806 Ridge Blvd., Brooklyn, N. Y.  
 2BVV Chas. Manda..... 134—28th St., Woodcliff, N. J.  
 2BVW Alfred Stellman..... 47 Main St., Hackensack, N. J.  
 2BVX Alfred Koenig..... 871 Chaffee St., Brooklyn, N. Y.  
 2BVY Marguerite L. Fowers..... 3049 Hull Ave., New York City  
 2BVZ Raymond Halloran..... 457—73d St., Brooklyn, N. Y.  
 2BW E. T. Hynes..... 2315 Loring Place, New York City  
 2BWA Cameron R. Francis..... 2429 Valentine Ave., New York City  
 2BWB William L. Jepson..... 10732—111th St., Richmond Hill, N. Y.  
 2BWC Jerome C. Dodman..... 278 New York Ave., Brooklyn, N. Y.  
 2BWD John Storch..... 10739—111th St., Richmond Hill, N. Y.  
 2BWE Ed Hirschfeld..... 336 W. 24th St., New York City  
 2BWF Joseph Grund..... 207 John St., Bellerose, N. J.  
 2BWG Harry Brabban..... 100 Division Ave., Belleville, N. J.  
 2BWH Rene Bras..... 211—28th St., Woodcliff, N. J.  
 2BWI Leo Germansky..... 198 New Jersey Ave., Brooklyn, N. Y.  
 2BWJ Walter Frusetta..... 229—28th St., Woodcliff, N. J.  
 2BWK Fremont M. Hammond..... 160 E. Main St., Patchogue, N. Y.  
 2BWL Henry R. Irving..... 341 W. 54th St., New York City  
 2BWM Walter S. Marder, Jr..... 614 Belvidere Ave., Plainfield, N. J.  
 2BWN Fletcher King..... 100 W. 59th St., New York City  
 2BWO Herman H. C. Wiegand..... 1052 Prospect Ave., New York City  
 2BWP Ernest Held..... 2783 Myrtle Ave., Glendale, N. Y.  
 2BWX Marcus Allen Dow..... 20 Crescent, Morris, Yonkers, N. Y.  
 2BWS James V. Garland..... 1405 Kenmore Place, Brooklyn, N. Y.  
 2BWT Albert R. Loeser, Jr..... 224 Murray St., Elizabeth, N. J.  
 2BWU Thos. Kircher..... 31 Folsom Ave., Glendale, N. Y.  
 2BWW Arthur E. Patterson..... Johnson Place, Union, N. J.  
 2BWX Alfred Thos. Taylor..... 9566—113th St., Richmond Hill, N. Y.  
 2BWX Richard W. L. Tretheway..... 47 Lincoln Ave., Newark, N. J.  
 2BWX Harry Geduld..... 584 Schenck Ave., Brooklyn, N. Y.  
 2BWX Erik W. Pearson..... 19 Broad St., Fairview, N. J.  
 2BWX Roger Erdman Vernon..... 52 Elm St., Montclair, N. J.  
 2BX Brown's Business College..... Flatbush & Lafayette Av. Brook., N. Y.  
 2BXA Warren E. Palmer..... 687 Courtland Ave., Bronx, N. Y.  
 2BXB Cyril Edward Rooker..... 244—73d St., Brooklyn, N. Y.  
 2BXC Boy Scouts of America, Troop 25..... Spruce & Charlton Sts., Newark, N. J.  
 2BXE Fred Dahmer..... 528 Green Ave., Brooklyn, N. Y.  
 2BXF David Warsaw..... 8686—19th Ave., Brooklyn, N. Y.  
 2BXH Howard E. Smith..... 254—13th St., Brooklyn, N. Y.  
 2BXI Police Dept., Jersey City, N. J. City Hall, Jersey City, N. J.  
 2BXJ Wesley B. Simpson..... 275—6th Ave., Brooklyn, N. Y.  
 2BXK Richard S. Young..... 380 Rugby Rd., Brooklyn, N. Y.  
 2BXL Brennehan Quereau..... New York Ave., White Plains, N. Y.  
 2BXM Milton Beards..... 7304—3d Ave., Brooklyn, N. Y.  
 2BXN Erwin Wm. Vogel..... 61 Southern Blvd., New York City  
 2BXO Joseph Leone..... 2275 Bassford Ave., Bronx, N. Y.  
 2BXP Thomas Emerson Platt..... 215 Dunellen Ave., Dunellen, N. J.  
 2BXQ Oscar A. Hauger..... R.F.D. 3, Box 162, Haledon, N. J.  
 2BXR Samuel C. Hooker, Jr..... 82 Remsen St., Brooklyn, N. Y.  
 2BXS Stanley Kelper..... 1571 First Ave., New York City  
 2BXT Robt. Dixon Smith..... 55 LaSalle St., New York City  
 2BXU Anthony Joseph Purcell..... 41 Carleton St., East Orange, N. J.  
 2BVX William A. Miller..... R.F.D. No. 4, New Brunswick, N. J.  
 2BVW Archie W. Cullen..... Main St., Altamont, N. Y.  
 2BXX Joe Wagner..... Adelphi, N. J.  
 2BXX Edward Gundrum..... 303 Cherry St., Elizabeth, N. J.  
 2BXX Harold Arthur Weeks..... 64 Steers Ave., Schenectady, N. Y.  
 2BY Erwin Oeller..... 7 Onelda St., Schenectady, N. Y.  
 2BYA Burton T. Vall..... 172 Lorraine Ave., Schenectady, N. Y.  
 2BYB Not Issued  
 2BYC Daniel White Smith..... South St., Oyster Bay, N. Y.  
 2BYD Michael J. Zaleski..... 350 Port Ave., Elizabeth, N. J.  
 2BYE Henry Clifford Hunter..... 217 E. 7th St., Plainfield, N. J.  
 2BYF Kelly & Phillips..... 312 Flatbush Ave., Brooklyn, N. Y.  
 2BYG Harry Emil Wirth..... 519 W. 121st St., New York City  
 2BYH Andrew G. Larsen..... 27 Macke Av., Port Washington, N. Y.  
 2BYI Ernest Thelen..... Belmont Ave., North Haledon, N. J.  
 2BYJ Morris Levy..... 233 Division St., New York City  
 2BYK Louis Orelt..... 54 Cook St., Brooklyn, N. Y.  
 2BYL Elliott Blood..... Westervelt Pl., W. Englewood, N. J.  
 2BYM George Shelgell..... 269A—17th St., Brooklyn, N. Y.  
 2BYN Benjamin Christie..... 3266 Ely Ave., New York City  
 2BYO Moe Joffe..... 52 W. 117th St., New York City  
 2BYP James Millen..... Dartmouth St., Forest Hills, N. Y.  
 2BYQ Martin Landesberg..... 833 Lafayette Ave., Brooklyn, N. Y.  
 2BYR Henry Furch..... 258 Johnston Ave., Jersey City, N. J.  
 2BYS Lee P. Davis, Jr..... 18 Lake Ave., Yonkers, N. Y.  
 2BYT Chas. E. Francis..... 1662—70th St., Brooklyn, N. Y.  
 2BYU Fred Hirsch..... 3568 Park Ave., Bronx, N. Y.  
 2BYV Hugh V. D. Roberts..... 46 Hildale Ave., Jamaica, N. Y.  
 2BYW Benjamin Alan Mayhew..... Laurel Ave., Tenafly, N. J.  
 2BYX Hubert Arthur Greenidge..... 56 W. 139th St., New York City  
 2BYY Frank Valentine Bremer..... 421 Summit Ave., W. Hoboken, N. J.  
 2BZZ Willard C. Vining..... 15 Ridgeway Av., White Plains, N. Y.  
 2BZ Will T. Weatherbee..... 609 W. 186th St., New York City  
 2BZA David Killoch Co..... 1675 E. 13th St., Brooklyn, N. Y.  
 2BZB Walter H. Sperr..... 1241 E. 34th St., Brooklyn, N. Y.  
 2BZC Ralph Rosenberg..... 120 E. 86th St., New York City  
 2BZD Arthur Nielson..... 113 Bayview Av., Pt. Washington, N. Y.  
 2BZE Howard C. Coleman..... 39 Carman St., Patchogue, N. Y.  
 2BZF John Dickson Sembler..... Locust Valley, New York  
 2BZG Floyd Arthur Chichester..... 318 E. Constance Ct., Hamels, N. Y.  
 2BZH David John Scott..... 1032 Evergreen Ave., Plainfield, N. J.  
 2BZI Timothy J. Smith..... E. Main St., Sayreville, N. J.  
 2BZJ Walter H. Grove, Jr..... W. Main St., Farmingdale, N. J.  
 2BZK Edward Harbollet..... Buchanan, New York  
 2BZM Arthur M. Mapes..... 56 Railroad Ave., Patchogue, N. Y.  
 2BZN Edwin Hobbs..... Sycamore Ave., Little Silver, N. J.  
 2BZO Paul Rizzo..... 571—39th St., Brooklyn, N. Y.  
 2BZP Frank H. Wilson..... 1181—97th Ave., Morris Pk., N. Y.  
 2BZQ Rollin Edwars Priest..... 161 W. 66th St., New York City  
 2BZR Henry Bentman..... 1529 Hoe Ave., Bronx, N. Y.  
 2BZS Carlos Ellison..... 3301 Broadway, New York City  
 2BZT John Heddeus..... 522 Greene Ave., Brooklyn, N. Y.  
 2BZU Irvington High School..... Madison Ave., Irvington, N. J.  
 2BZV William L. Eckert..... 38 Sherman Pl., Jersey City, N. J.  
 2BZW Walter Andrew Kempf..... 1090 Julia St., Elizabeth, N. J.  
 2BZX Herman Wolbarst..... 299 E. 8th St., New York City  
 2BZY R. W. Harman..... 203 E. 175th St., Bronx, N. Y.  
 2BZZ William Owens..... 724 Frost Ave., Peekskill, N. Y.  
 2CA Harry G. Lichtschein..... 1305 Madison Ave., New York City  
 2CAA Alan MacDonough..... 1186 Madison Ave., New York City  
 2CAB Chas. Miller..... 379 Avenue E., Bayonne, N. J.  
 2CAC Alfred Winterhalter..... 863 Delafeld Ave., Staten Island, N. Y.

2CAD Emil Spisat..... 52 E. 24th St., Bayonne, N. J.  
 2CAE Chas. E. Latchford..... 261 N. 19th St., East Orange, N. J.  
 2CAF William W. Crosby..... 542 W. 124th St., New York City  
 2CAG Victor E. Paterno..... 536 E. 56th St., Brooklyn, N. Y.  
 2CAH L. B. Summers..... Whitestone, Queens, N. Y.  
 2CAI Thelmer Drug Co..... 387 Fulton St., Jamaica, N. Y.  
 2CAJ Hayden Ross-Clum..... 260 Oak'd Av., W. N. Brighton, N. Y.  
 2CAK George Matthew Mochren..... 2039 Creston Ave., Bronx, N. Y.  
 2CAL Standard Electric Co..... 41 S. Orange Ave., Newark, N. J.  
 2CAM August Harms..... 210 Church St., Freeport, N. Y.  
 2CAN John Johnson..... 149 Robinson Ave., Newburgh, N. Y.  
 2CAO Not assigned  
 2CAP C. M. Ferguson, Ship Owners..... 80 Washington St., New York City  
 2CAQ C. M. Sherwood, Ship Owners..... 724 Carroll St., Brooklyn, N. Y.  
 2CAR Louis F. Gray, Ship Owners..... 60 Burgess Pl., Passaic, N. J.  
 2CAS Charles E. Maps, Ship Owners..... 178 Woodworth Ave., Yonkers, N. Y.  
 2CAT R. J. Ketcham, Ship Owners..... 1098 Woodcrest Ave., New York City  
 2CAU W. J. Roche, Ship Owners..... 321 Foster Ave., Brooklyn, N. Y.  
 2CAV Edwin Sweet Gullford..... Main St., Box 224, Farmingdale, N. J.  
 2CAW Wallace John Cronin..... 123 Bruno St., Schenectady, N. Y.  
 2CAX Leslie Cramer..... 158 Neilson St., New Brunswick, N. J.  
 2CAY Edwin G. Compton..... 117 Brauch Ave., Red Bank, N. J.  
 2CAZ Henry Michalovich..... 299 Francis Ave., Schenectady, N. Y.  
 2CB Victor Schram..... 283 E. 32d St., Brooklyn, N. Y.  
 2CBA Bertram S. Biekelhaupt..... 376 E. 162d St., Bronx, N. Y.  
 2CBB Kenneth Stuart Coyle..... Maple Av., Alplaus, Schenectady, N. Y.  
 2CBC Ambrose Adamski..... 425 Court St., Schenectady, N. Y.  
 2CBD Harold E. Payne..... 747 Adams Ave., Elizabeth, N. J.  
 2CBE A. Edward Shuster..... 510 Adams Ave., Elizabeth, N. J.  
 2CBF Herbert C. Tetley..... 129—33d St., Brooklyn, N. Y.  
 2CBG Montgomery Radford..... 419 Warburton Ave., Yonkers, N. Y.  
 2CBH Edward John Richter..... 107 Conseyler St., Brooklyn, N. Y.  
 2CBI Alfred C. Stevens..... 150 N. Terrace Av., Mt. Vernon, N. Y.  
 2CBJ Henry A. Stalnken..... 6916—10th Ave., Brooklyn, N. Y.  
 2CBK Hudson City Radio Club..... 37 Sherman Ave., Jersey City, N. J.  
 2CBL Frederic Chas. Meyer..... 25 Oxford St., Montclair, N. J.  
 2CBM Joseph Weiss..... 230 E. 87th St., New York City  
 2CBN Harold M. Steele..... 130 Columbus Ave., Rockv's Ctr., N. Y.  
 2CBO Fred Rosebury..... 410 Hudson Ave., West New York, N. Y.  
 2CBP Gunard C. Hagberg..... 226 W. 1st Ave., Roselle, N. J.  
 2CBQ Daniel D. Schneewets..... 3807—12th Ave., Brooklyn, N. Y.  
 2CBR Maurice J. Herold..... 201 Avon Ave., Newark, N. J.  
 2CBS Stephen Reich..... 263 Vermont St., Brooklyn, N. Y.  
 2CBU Fred Cost..... 139 Main St., South River, N. J.  
 2CBV John Gluck, Jr..... 1709 Parks Ave., New York City  
 2CBW Orel D. Orvis, Jr..... 16 Leo Place, Newark, N. J.  
 2CBX William F. Joho..... 525 Adams Ave., Elizabeth, N. J.  
 2CBY Ernest V. Jackson..... 29 Morningstar Road, Pt. Richmond, N. Y.  
 2CBZ William T. Baxter..... 171 W. 89th St., New York City  
 2CC Hubert Marshall Taylor..... 568 Highland Ave., Clifton, N. J.  
 2CC Franklin L. Rash..... Oakhill & Morford Aves., Long Branch, N. J.  
 2CCA Isidore Spiegler..... 870 E. 175th St., Bronx, N. Y.  
 2CCB James Hartvig, Jr..... 168 First St., Brooklyn, N. Y.  
 2CCC Frank Holl..... 1529 Hoe Ave., Bronx, N. Y.  
 2CCD Not assigned  
 2CCE Electrical Industries Mfg. Co..... 222—80th St., Brooklyn, N. Y.  
 2CCF Electrical Industries Mfg. Co..... 326 W. 41st St., New York City  
 2CCG Bruce G. Kirk..... Oceanport, N. J.  
 2CCH Harry William Youngdahl..... 969—55th St., Brooklyn, N. Y.  
 2CCI Francis Gully..... 54 Mackay Place, Brooklyn, N. Y.  
 2CCJ Edgar M. Wilson..... 224 Garden St., Hoboken, N. J.  
 2CCK Victor Woodward..... 370 W. 116th St., New York City  
 2CCL Elmer E. Bucher..... 85 Johnson Ave., Newark, N. J.  
 2CCM Bernard Henry Trinkauss..... 496 E. 133th St., Bronx, N. Y.  
 2CCN Frederick L. Cummings, Jr..... 236 Jeffrey Ave., Jamaica, N. Y.  
 2CCO Harry John Snyder..... 26 Nutman Pl., West Orange, N. J.  
 2CCP Elizabeth Automobile Co..... 14-16 Westfield Ave., Elizabeth, N. J.  
 2CCQ Victor Alfred Bohman..... 56 Prospect St., Long Island City, N. Y.  
 2CCR Robert A. Meler..... Horton Ave., Lynbrook, N. Y.  
 2CCS William H. Muller, Jr..... 444—67th St., Brooklyn, N. Y.  
 2CCT Horatio D. W. McClure..... 302 W. 79th St., New York City  
 2CCU Frank Barker..... 163 Madison Ave., Clifton, N. J.  
 2CCV Solomon Augstreich..... 1669 Park Ave., New York City  
 2CCW Elmore J. Brower..... 296—17th Ave., Newark, N. J.  
 2CCX Chas. A. Feltman..... 1000 Surf Av., Bklyn. (Coney Isl.), N. Y.  
 2CCY Edward F. Kerrigan..... 218 West Post Rd., Mamaroneck, N. Y.  
 2CCZ George H. Benjamin..... R.D. 6, Eliz. St., Schenectady, N. Y.  
 2CD R. D. Prosser..... Chestnut St., Englewood, N. J.  
 2CDA George L. Winne..... 10 Swan St., Schenectady, N. Y.  
 2CDB Charles F. Fuller..... 70 Pauline Ave., Schenectady, N. Y.  
 2CDC Polytechnic Institute..... Russell Sage Lab., Schenectady, N. Y.  
 2CDD Andrew Schneider..... 216 Sixth Ave., Schenectady, N. Y.  
 2CDE Leslie G. Vail..... Vincent St., Orient, N. Y.  
 2CDF Thomas F. McGrath, Jr..... 48 N. Fairview Ave., Hamels, N. Y.  
 2CDG Leland C. Wessel..... 204—4th Ave., Schenectady, N. Y.  
 2CDH Joel B. Ennis, Jr..... Chestnut St., Castleton, N. Y.  
 2CDI George T. Parker..... Kings Highway, Middletown, N. Y.  
 2CDJ T. T. Jeffers..... Schenectady T. Tr. S., Schenectady, N. Y.  
 2CDK Walton E. Truran..... 33 Lincoln Terrace, Yonkers, N. Y.  
 2CDL Phillip W. Remig, Jr..... 269—18th St., Brooklyn, N. Y.  
 2CDM Charles Hurd..... Fairfield Ave., West Caldwell, N. J.  
 2CDN Adelphia Academy..... 262 Lafayette Ave., Brooklyn, N. Y.  
 2CDO Harold J. Preble..... Morgan Ord. Dep. S. Amboy, N. J.  
 2CDP Jacob H. Mason..... 1601 Bedford Ave., Brooklyn, N. Y.  
 2CDQ Charles F. Boynton..... 129 Engle St., Englewood, N. J.  
 2CDR Milton E. Walker, Jr..... 121 Johnson Ave., Newark, N. J.  
 2CDS Chester R. Underhill..... 35 Hillside Ave., Montclair, N. J.  
 2CDT Joseph M. McInturf..... 428 Greene Ave., Brooklyn, N. Y.  
 2CDU Theodore Reith..... 330 Parkhill Ave., Yonkers, N. Y.  
 2CDV New Jersey Radio Supply Co..... 325 Harrison Ave., Harrison, N. J.  
 2CDW Robert Greenberg..... 420 Hillside Ave., Jamaica, N. Y.  
 2CDX William Hotine..... 72 Laurence St., Flushing, N. Y.  
 2CDY George Solomon..... 9 W. 31st St., Bayonne, N. J.  
 2CDZ John R. Meagher..... 343 E. 195th St., New York City  
 2CE J. W. Dain..... 1100 Orchard St., Peekskill, N. Y.  
 2CEA Henry Mackert..... 10772 Green'd Av., R'h'm'd Hill, N. Y.  
 2CEB Nassau Radio League..... Lincoln & Jay Sts., Freeport, N. Y.  
 2CEC Benjamin F. Orange..... 1812 Clay Ave., New York City  
 2CED Gustave F. Shorey..... Apauoque Rd., Easthampton, N. Y.  
 2CEE Walton H. Bostwick..... 1334 Putnam Ave., Plainfield, N. J.  
 2CEF Edward Koffman..... 118 Cedar Ave., Newark, N. J.  
 2CEG Howard A. Chinn..... 210 W. 102d St., New York City  
 2CEH Percy B. Willis..... 1732 Melville St., New York City  
 2CEI Robert Kraus..... 2313 Fish Ave., New York City  
 2CEJ Charles W. Woodford..... 34 Washington Ave., Cedarhurst, N. Y.  
 2CEK Gilbert H. Robert, Jr..... 78 Washington Ave., Cohoes, N. Y.  
 2CEL Harry Milton Harvey..... 617 Crane St., Schenectady, N. Y.  
 2CEM Sanford L. Hirschberg..... 572 Morris St., Albany, N. Y.  
 2CEN Sherman Dennis, Jr..... 705 Broadway, Long Branch, N. J.  
 2CEO John H. Cornwall..... Bakers Pt., Port Washington, N. Y.  
 2CEP Chester D. Lloyd..... 135—12th St., Troy, N. Y.  
 2CEQ Clarence D. Ashford..... 128 Branch Ave., Red Bank, N. J.  
 2CEB Fred J. Roach..... 610 St. Marks Ave., Westfield, N. J.  
 2CET William La Forge..... 3044 Kings Bridge Ave., N. Y. City  
 2CEU John Rippe..... 421—72d St., Brooklyn, N. Y.  
 2CEV Jack Pascal..... 432 Baldwin St., Brooklyn, N. Y.  
 2CEW John B. May..... 85 Sherman Ave., Tompkinsville, N. Y.  
 2CEX Charles Fenz..... 26 W. 6th St., Bayonne, N. J.  
 2CEY Charles Fenz..... 310 W. 123d St., New York City



Table listing radio call letters and names of citizens, organized in two columns. Includes call letters like 2CEY, 2CEZ, 2CF, etc., and names like Herman G. Gesswein, Arthur E. Prince, etc., along with their addresses.

2COO Orlando Rene Pfalla.....5 Soundview Ave., Larchmont, N. Y.  
 2COP Fred L. Brown.....210 Edwards Ave., Long Branch, N. J.  
 2COQ Raymond C. Beyers.....11019 Jamaica Av., Kitch'n'd Hill, N. Y.  
 2COR William Gordon Alcombrack.....625 W. 142d St., New York City  
 2COS Harold Danson.....31 W. 114th St., New York City  
 2COT F. B. Parsons.....3 Washington Rd., Maplewood, N. J.  
 2COU Loren C. Lewis.....505 Sunset Ave., Asbury Park, N. J.  
 2COV Benjamin C. Henry.....71 Hecker Ave., Poughkeepsie, N. Y.  
 2COW Camp Walkill, Inc.....New Paltz, N. Y.  
 2COX Ralph Weeks.....Birch Hill Ave., Locust Valley, N. Y.  
 2COY Daniel Pinta.....50 Gifford Ave., Poughkeepsie, N. Y.  
 2COZ Roland M. Fennimore.....Fair Haven Rd., Fair Haven, N. J.  
 2CP Jas. P. Derline.....1068 University Ave., New York City  
 2CPA Joseph Battaglia.....283 Milton Ave., Schenectady, N. Y.  
 2CPB Archie Pleasanton.....Dover Plains, N. Y.  
 2CPC Fred Ramborst.....301 Harrison Ave., New Brunswick, N. J.  
 2CPD Richard A. Donnelly.....Crescent Ave., Brielle, N. J.  
 2CPE Edwin R. Woelfel.....751 Westfield Ave., Elizabeth, N. J.  
 2CPF Austin Alfred Yale.....439 Hendrickson Av., Long Branch, N. J.  
 2CPG Station Island Radio Club.....24 Osgood Ave., Stapleton, N. Y.  
 2CPH Alvin Krenzler.....12 Maplewood Av., Schenectady, N. Y.  
 2CPI Earl Donald Widegren.....Forest Ave., Locust Valley, N. Y.  
 2CPIJ Montelore Kandel.....143 E. 19th St., New York City  
 2CPK The Boys Club.....287 E. 10th St., New York City  
 2CPL Boy Scouts of America.....Kanothauke Sc. Cp., Tuxedo, N. Y.  
 2CPM Henry G. Stott.....170 Elm St., New Rochelle, N. Y.  
 2CPN Thomas Plaw.....1426 Amsterdam Ave., New York City  
 2CPO Albert P. Kaumzner.....119 W. 83d St., New York City  
 2CPP John Caleb Phipps.....100 Hamilton Av., New Rochelle, N. Y.  
 2CPQ George Meder.....407 E. 18th St., Brooklyn, N. Y.  
 2CPR Samuel Freedman.....990—1st Ave., New York City  
 2CPT Warren Stoltz.....526 E. 120th St., New York City  
 2CPU Charles M. Hunt.....30 Pleasant Ave., Bronxville, N. Y.  
 2CPV Donald B. Templeton.....567 W. 149th St., New York City  
 2CPW Benjamin P. Robinson.....21 Schuyler Court, Bayonne, N. J.  
 2CPX John E. Cagliano.....1884 Bath Ave., Brooklyn, N. Y.  
 2CPY James E. Reagan.....119 E. Harrison St., E. Orange, N. J.  
 2CPZ Elmer W. Ross.....348—9th St., Troy, N. Y.  
 2CQ E. M. Washburn.....111Miln St., Crawford, N. J.  
 2CQA Arthur H. Mekeel.....114 N. Clinton St., Poughkeepsie, N. Y.  
 2CQB Charles G. Marshall.....63 Broadway, Ocean Grove, N. J.  
 2CQC John A. Filkas.....133d Co. CAC, Fort Terry, N. Y.  
 2CQD Winfield G. Beck.....145 Thrd Ave. W., Roselle, N. Y.  
 2CQE Alec. A. Weiner.....2065—80th St., Brooklyn, N. Y.  
 2CQF John A. Lucas.....Fisher's Island, N. Y.  
 2CQG Alfred N. Laurens.....Box 55, Laurens, N. Y.  
 2CQH Richard F. Curry.....Main St., Milburn, N. J.  
 2CQI Frederick E. Dobson.....73 Trask Ave., Bayonne, N. J.  
 2CQJ Frank Wolf.....145 E. 97th St., New York City  
 2CQK Harry J. Simpson.....327 E. 158th St., New York City  
 2CQL Wyman N. Holden.....9412—116th St., Richmond Hill, N. Y.  
 2CQM Frederick J. Winsch.....73 Torrsach Rd., Stapleton, N. Y.  
 2CQN Edward Slepian.....5007—6th Ave., Brooklyn, N. Y.  
 2CQO Harold M. Zimmerman.....26 Lyon Pl., Elizabeth, N. J.  
 2CQP Harold W. Davis.....307 Lexington Ave., Clifton, N. J.  
 2CQQ W. W. Nitschman.....38 Alexander St., Newark, N. J.  
 2CQR John A. Schenck.....Box 141, R.F.D. 1, Glendola, N. J.  
 2CQS Clarence A. Glover.....Southold, N. Y.  
 2CQT Charles H. Prindle.....S. Highland Ave., So. Nyack, N. Y.  
 2CQU Donald S. MacLeod.....Compton St., Belford, N. J.  
 2CQV Frank C. Bindewald.....31 Snowden Ave., Schenectady, N. Y.  
 2CQW Charles A. Stay.....Bayville Rd., Locust Valley, N. Y.  
 2CQX Millard V. Everett.....Washington Ave., Highland, N. Y.  
 2CQY Eric R. Osborne.....Water Mill, N. Y.  
 2CQZ Robert M. Morris.....827 Gross Ave., Elizabeth, N. J.  
 2CR Morris Liberman.....524 Barbey St., Brooklyn, N. Y.  
 2CRA Lawrence A. Tuna.....182 Madison Ave., New York City  
 2CRB Joseph Goldstein.....1326—40th St., Brooklyn, N. Y.  
 2CRC Frederick B. Woolworth.....22 Spruce St., Bloomfield, N. J.  
 2CRD George F. Elston.....19 Spruce St., Bloomfield, N. J.  
 2CRE Frederick Selmer Olsen.....19 S. 13th St., Newark, N. J.  
 2CRF Coleridge M. Hutson.....298—17th St., Brooklyn, N. Y.  
 2CRG C. F. Warren.....81 Pierrepont St., Brooklyn, N. Y.  
 2CRH A. Oldhoff.....223—13th St., Brooklyn, N. Y.  
 2CRI Emil H. Koltenbach.....223—13th St., Brooklyn, N. Y.  
 2CRJ Edwin H. Ma Dan.....429—154th St., New York City  
 2CRK Lucien E. Bondoux.....1856—85th St., Brooklyn, N. Y.  
 2CRL Joseph Morris.....304 Johnston Ave., Jersey City, N. J.  
 2CRM William Albrand.....35 W. 25th St., Bayonne, N. J.  
 2CRN Americo Beltrani.....319 E. 70th St., New York City  
 2CRO John J. Escobar.....40 Fourth St., Ridgely Park, N. J.  
 2CRP Ronald B. Wehrly.....23 E. 34th St., Bayonne, N. J.  
 2CRQ Robert Lee Koerner.....60 W. 190th St., New York City  
 2CRR George Henry Webber, Jr.....1617 New York Ave., Brooklyn, N. Y.  
 2CRS Lement U. Harris.....Tuxedo Park, N. Y.  
 2CRT Karl L. Myers.....10 Washington Av., Schenectady, N. Y.  
 2CRU Clarence George Montgomery.....609½ Park Pl. Av., Bradley Bch., N. J.  
 2CRV Newburgh News Ptg. & Pub. Co.....40 Grand St., Newburgh, N. Y.  
 2CRW Irving Gallagher.....646 Marshall St., Elizabeth, N. J.  
 2CRX Philip Edgar Zitzmann.....30 Union Pl., Ridgely Park, N. J.  
 2CRY North Side Radio Club.....Birch Hill Ave., Locust Valley, N. Y.  
 2CRZ John De Gioranni Club.....648 Morris Ave., New York City  
 2CS Charles M. Schaefer.....201 Park Ave., Port Richmond, N. Y.  
 2CSA Theodore H. Smith.....20 Heights Road, Ridgewood, N. J.  
 2CSB Edmund Fitz Patrick.....210 Buena Vista St., Yonkers, N. Y.  
 2CSC Allen B. Du Mont.....60 Walnut St., Montclair, N. J.  
 2CSD Paul Bernard Kling, Jr.....Cedar Ave., Stony Brook, N. Y.  
 2CSE Irving S. Pullen.....112 S. Broad St., Peekskill, N. Y.  
 2CSF Benjamin M. Stowe, Jr.....877 Strong St., Schenectady, N. Y.  
 2CSG Orange H. Tutthill.....R.F.D. 123, Sound Av., River'd, N. Y.  
 2CSH Jesse M. Goldberg.....1373—3d Ave., New York City  
 2CSI Stewart Brown.....15 Clark St., Brooklyn, N. Y.  
 2CSJ Kenneth Bauer.....127 Second Ave. E., Roselle, N. J.  
 2CSK Philip B. Capelle.....590 Bergen Ave., Jersey City, N. J.  
 2CSL Bertram F. Mayers.....175 W. 72d St., New York City  
 2CSM Clarence H. West.....1028—44th St., Brooklyn, N. Y.  
 2CSN David E. Shufeldt.....Murray Ave., Ridgewood, N. Y.  
 2CSO Alfred M. Sadler.....30 Emory St., Jersey City, N. J.  
 2CSP Arthur William Thiel.....438 Fulton St., Elizabeth, N. J.  
 2CSQ John P. Klingman.....422 W. 24th St., New York City  
 2CSR Winthrop C. Haigh.....58 Newfield St., East Orange, N. J.  
 2CSS Louis J. Matos.....103 N. 19th St., E. Orange, N. J.  
 2CST Frank H. White.....Hoffman St., Spring Valley, N. Y.  
 2CSU Joseph Colombo.....11811—97th Ave., Morris Park, N. Y.  
 2CSV Frank H. Wilson.....121-15 Jerome Ave., Morris Park, N. Y.  
 2CSW Harold See.....14 Martha Ave., Jamaica, N. Y.  
 2CSX Robert S. Fenimore.....2315 Andrews Ave., New York City  
 2CSZ Edward Tamburo.....28 Goble St., Newark, N. J.  
 2CT Matthias Thury.....878 Macy Place, New York City  
 2CTA Hobart C. Hansen.....Airmount Ave., Ramsey, N. J.  
 2CTB White Plain High School Radio Club.....White Plains, N. Y.  
 2CTC Moe Litwin.....53 Girard Place, Newark, N. J.  
 2CTD George Cordier.....Woodside Ave., Bergenfield, N. J.  
 2CTE Arthur C. Sorrell.....175 E. 79th St., New York City  
 2CTF Philip A. Goetz.....492—2d Ave., New York City  
 2CTG Leland S. Jett.....1677—72d St., Brooklyn, N. Y.

2CTH Clifford M. Rowe.....12 Park View Court, Troy, N. Y.  
 2CTI James MacDonald.....14 Holland Road, Schenectady, N. Y.  
 2CTJ Robb L. Millham.....21 Bedford Road, Schenectady, N. Y.  
 2CTK George E. Oros.....120 Crane St., Schenectady, N. Y.  
 2CTL William P. Short.....121 Clark St., Hillside, N. J.  
 2CTM Raymond L. Morehouse.....502—9th Ave., Long Island City, N. Y.  
 2CTN John M. Cummings.....436 Westfield Ave., East Roselle Park, N. J.  
 2CTO Rudolph Holub.....593 Evergreen Ave., Brooklyn, N. J.  
 2CTP Joseph H. Ehrler.....1659 Monroe Ave., New York City  
 2CTQ Louis Johnson.....463 W. 52d St., New York City  
 2CTR Gerard Mirra.....1418 Mumb Ave., Hillside, N. J.  
 2CTS Paul Klepe.....8 Smith St., Perth Amboy, N. J.  
 2CTT Edmund H. Hansen.....41 Concord St., Floral Park, N. Y.  
 2CTV Robert B. von Helnold.....754 Summer Ave., Newark, N. J.  
 2CTW Donald L. Pettit.....16 Neck Road, Brooklyn, N. Y.  
 2CTX Ashbel Green.....Mt. Kisco, N. Y.  
 2CTY Emil Herlin.....36 Verandab Place, Brooklyn, N. Y.  
 2CTZ James Fitzgerald.....266 Paulson Ave., Passaic, N. J.  
 2CU H. B. Von Thun.....271 Decatur St., Brooklyn, N. Y.  
 2CUA Walter J. Loria.....605 W. 142d St., New York City  
 2CUB Lester C. Wildner.....564 Van Cortland Park Ave., Yonkers, N. Y.  
 2CUC Aaron Schapiro.....821 E. 166th St., New York City  
 2CUD Vincent T. Wyckoff.....110 Embury Ave., Ocean Grove, N. J.  
 2CUE Incarnation Radio Club.....240 E. 31st St., New York City  
 2CUG Carl C. Daligren.....39 Eldorado Pl., Weehawken, N. J.  
 2CUH L. B. Terwilliger.....R. D. 43, Tivoli, N. Y.  
 2CUI Walter Goerschner.....454 Lake Ave., Lyndhurst, N. J.  
 2CUJ Wilber C. Roake.....43 Monroe Place, Bloomfield, N. J.  
 2CUK Warren Ingalls.....Box 688, Route 2, White Plains, N. Y.  
 2CUL William Servis.....R.F.D. No. 4, Clemintshav Ave., Troy, N. Y.  
 2CUM Otto Follender.....Hanford Place, East Islip, N. Y.  
 2CUN Fred E. Bibb.....21 Hawthorne Ave., Troy, N. Y.  
 2CUO F. W. Procter.....Hotel Ambassador, New York City  
 2CUP Lester F. Eckhoff.....165 Summit Ave., Jersey City, N. J.  
 2CUQ William C. K. Irwin.....540 W. 136th St., New York City  
 2CUR Myron W. Colony.....57 Gard Ave., Bronxville, N. Y.  
 2CUS Archie MacLean.....422—120th St., Richmond Hill, N. Y.  
 2CUT Mont Pleasant Radio Club.....316 Ostrander Pl., Schenectady, N. Y.  
 2CUU H. M. Zimmerman.....Capstan & Lookout, Beachwood, Tom's River, N. J.  
 2CUV Lawrence E. McDonough.....308 Charles St., West Hoboken, N. J.  
 2CUW Theobald Myers.....2740 Marlon Ave., New York City  
 2CUX Paul S. Rosnagel.....230—1st St., Dunellen, N. J.  
 2CUY Gerard V. Smith.....64 Mamaroneck Ave., Mamaroneck, N. Y.  
 2CVA Donald B. Whittemore.....50 Briggs Ave., Yonkers, N. Y.  
 2CVB Herbert G. Rowley.....107 Clifton Ave., Newark, N. J.  
 2CVB John E. Wyman.....86 Prospect St., Little Falls, N. J.  
 2CVC Baldwin G. Sullivan.....2694 Briggs Ave., New York City  
 2CVD Aaron F. Williams.....316—1st St., Scotia, N. Y.  
 2CVE William Fendt, Jr.....200 Richmond Turnpike, Tompkinsville, N. Y.  
 2CVF Ralph Haasburg.....89 N. Main St., Paterson, N. J.  
 2CVG Kenneth V. Hardman.....98 Highland Pl., Ridgefield Park, N. J.  
 2CVH Burnett Vickers.....169 Union Ave., Belleville, N. J.  
 2CVI Sheldon N. Trent.....26 Waterbury Road, Montclair, N. J.  
 2CVJ Robert Hart.....1391 Jessup Ave., New York City  
 2CVK Emanuel Levine.....Elm St., Hartsdale, N. Y.  
 2CVL Walter Knox.....861 Forest Ave., New York City  
 2CVM Michael J. McKenna.....317 E. 196th St., New York City  
 2CVN Michael B. Gillespie.....30 W. 65th St., New York City  
 2CVO Gilbert W. Davis.....3480 Eastchester Road, New York City  
 2CVP Frank M. Ende.....661 Palisade Ave., Jersey City, N. J.  
 2CVQ Winfield S. Merritt.....910 Riverside Drive, New York City  
 2CVR Bernhard Stahl.....195 N. Hamilton St., Poughkeepsie, N. Y.  
 2CVS Ellison Thompson.....740 Anderson Ave., Grantwood, N. J.  
 2CVT William F. Klehr.....1301 Flinday Ave., New York City  
 2CVU Martin J. Hein.....567 Second Ave., New York City  
 2CVV Edward Johnstone.....1861 McGraw Ave., Westchester, N. Y.  
 2CVW Herbert T. Swanson.....Highmount Ave., Nyack, N. Y.  
 2CVX Frank D. Pizzutti.....281 Empire Blvd., Brooklyn, N. Y.  
 2CVY Oliver L. Mulley.....2303 Belmont Ave., New York City  
 2CVZ Horace F. Bullis.....49 Brookside Ave., Mt. Kisco, N. Y.  
 2CWA F. M. Ham.....2 Pennsylvania Ave., Albany, N. Y.  
 2CWB P. John Dombek.....403 Prospect St., Westfield, N. J.  
 2CWC Frank D. Neri.....Main St., Riverhead, N. Y.  
 2CWD F. Lester Morgan.....Medical Corps, Camp Alfred Vail, N. J.  
 2CWE Tompkins Radio Club.....18 Magnolia Terrace, Albany, N. Y.  
 2CWF Spence A. Walker.....37 North St., Middletown, N. Y.  
 2CWG Russell E. Wansor.....Wayne St., Troy, N. Y.  
 2CWH Howard C. Van Auken.....Oyster Bay, Locust Valley, N. Y.  
 2CWI Olin E. Frisbee.....731 Pleasant St., Schenectady, N. Y.  
 2CWF Robert Goldsmith, Jr.....28 Schenectady Road, West Albany, N. Y.  
 2CWX Clyde H. Schaffer, Jr.....P.O. Box 651, Ellenville, N. Y.  
 2CWW James E. Higgins.....121 Oakwood Ave., Schenectady, N. Y.  
 2CWL Willis LeClair.....215 Benner St., New Brunswick, N. J.  
 2CWM Oliver B. Asten.....201 Depew St., Peekskill, N. Y.  
 2CWN Frank Loeschner.....Arch St., Ramsey, N. J.  
 2CWO Edward E. Tassi.....1625 President St., Brooklyn, N. Y.  
 2CWP Ferdinand Phillipsson.....1904 Arem St., Brooklyn, N. Y.  
 2CWX Robert Wormald, Jr.....2274 Loring Pl., New York City  
 2CWR Fredrick H. Mardon.....825 E. 13th St., Brooklyn, N. Y.  
 2CWS Harry M. Buehrer.....1309 West Farms Rd., New York City  
 2CWT Ashley B. Hammond.....2015 Woodbine St., Brooklyn, N. Y.  
 2CWU Lawrence M. Leeds.....Christian Ave., Stony Brook, N. Y.  
 2CWV Victor Dusha.....65 Cambridge Pl., Brooklyn, N. Y.  
 2CWY Richard Meyer.....544 E. 86th St., New York City  
 2CWX Frank N. McCoy, Jr.....212 Howard Ave., Staten Island, N. Y.  
 2CWW Frank W. Pfeiffer.....1216 Elm St., Peekskill, N. Y.  
 2CWX Edward R. Schultze.....Husted Ave., Peekskill, N. Y.  
 2CWX Ernest K. Seyd.....109 Monticello Ave., Jersey City, N. J.  
 2CX Edward H. Green.....531 Washington Ave., Brooklyn, N. Y.  
 2CXA John R. Fincher.....1187 Eastern Pkwy., Brooklyn, N. Y.  
 2CXB Leon Telsy.....12 St. Charles Pl., Brooklyn, N. Y.  
 2CXD Carleton H. Morrison.....241 Utica Ave., Brooklyn, N. Y.  
 2CXE Cecll Guvatt.....Morrison Rd., Springfield, N. J.  
 2CXF Arthur R. Pearsall.....31 Palisade Ave., Bogota, N. J.  
 2CXG John B. Parkinson.....141½ Warburton Ave., Yonkers, N. Y.  
 2CXH Preston D. Ewing.....131 Chambers St., Newburgh, N. Y.  
 2CXI Felix H. Huber.....811—4th Ave., Troy, N. Y.  
 2CXJ Hubert V. Miller.....235—3d St., Newburgh, N. Y.  
 2CXK Richard Porter.....37 Emmett St., Schenectady, N. Y.  
 2CXL Richard Dept. Signal School, U. S. Army.....64 N. Grove, Freeport, N. Y.  
 2CXM George H. O. Sandel.....Camp Alfred Vail, N. J.  
 2CXN Brooklyn Technical High School.....439—16th St., Brooklyn, N. Y.  
 2CXO Geoffrey W. Flash.....Bridg & Concord Sts., Brooklyn, N. Y.  
 2CXP David M. Unger.....2792 Sedgwick Ave., New York City  
 2CXQ Harold W. M. Foster.....379 Irving Ave., Brooklyn, N. Y.  
 2CXR Robert M. Lacey.....46 James St., Jamaica, N. Y.  
 2CXN Fred C. Baxter.....2604 Newkirk Ave., Brooklyn, N. Y.  
 2CXT Henry Resch.....Delaware Ave., Delmar, N. J.  
 2CXU Everett Marston.....20 E. 31st St., Bayonne, N. J.  
 2CXV Charles E. Ellis, Jr.....Main St., Little Falls, N. J.  
 2CXW Chester W. Smith.....15 Armour Road, Mahwah, N. J.  
 2CXX Howard J. Eckweiler.....4 Melrose Ave., East Orange, N. J.  
 2CY William F. Diehl.....3d St., Bayside, N. Y.  
 2CZ Frank V. Becker.....32 Callister St., New York City  
 2DA A. H. Winn.....325 Church St., Poughkeepsie, N. Y.  
 2DB R. D. Zucker.....46 Clinton Place, Mt. Vernon, N. Y.

2DC John Stefan 92 Grand St. Garfield, N. J.
2DD Julius Schmidt 163 Albany St., Schenectady, N. Y.
2DE Arthur Mann 539 E. 146th St., New York City, N. J.
2DF Harry G. Silberdorf 510 Mercer St., Jersey City, N. J.
2DG Harry Y. Higgs 30 Irving Place, Brooklyn, N. Y.
2DH Samuel W. Knapp 75 Cooper St., Brooklyn, N. Y.
2DI Ernest A. Cyrax 219 E. 71st St., New York City, N. Y.
2DJ Ed. B. Lant Weaver St., Scarsdale, N. Y.
2DK William R. Chinn 16 Linda Ave., White Plains, N. Y.
2DL V. F. Bangert 34 Orchard St., Jamaica, N. Y.
2DM H. C. Nightingale 349-18th Ave., Paterson, N. J.
2DN Arnold Brillhart 10 Cornell Ave., Yonkers, N. Y.
2DO John A. Luhrs 195 Park Ave., Brooklyn, N. Y.
2DP Chas. Fucel 606 Henderson St., New York City, N. J.
2DQ R. W. Porter 166 E. 78th St., New York City, N. J.
2DR T. C. Cooper 260 Garfield Ave., Jersey City, N. J.
2DS Leroy Clark Chestnut St., Englewood, N. J.
2DT E. T. Herstrom 131 Main St., Hempstead, N. Y.
2DU E. E. Engstrom 100 St. Marks Place, Brooklyn, N. Y.
2DV Frank J. Rauffer 50 Shephard Ave., Brooklyn, N. Y.
2DW J. J. Hallahan 180 Market St., Perth Amboy, N. J.
2DX I. R. Groves 24 Hobart Ave., Summit, N. J.
2DY A. J. Haynes 128 W. 80th St., New York City
2DZ Daniel D. Hancock Newman Springs Ave., Red Bank, N. J.
2EA Edwin S. Crane 47 Sinclair Ave., Flushing, N. Y.
2EB Ed. V. Neuser Ridge St., Pearl River, N. Y.
2EC F. C. W. Thiede 486 Decatur St., Brooklyn, N. Y.
2ED Graham V. Lowe 262 W. 77th St., New York City
2EE E. W. Maurer 65 Osborn St., Keyport, N. J.
2EF Theo. Hurd 7 Tilton Ave., Red Bank, N. J.
2EG Egmont Arany 62 W. 124th St., New York City, N. Y.
2EH E. M. Williams Box 875, Riverhead, N. Y.
2EI Henry C. Quick 471-76th St., Brooklyn, N. Y.
2EJ Russell Davis 601 Page Ave., Allenhurst, N. J.
2EK M. Ferris Roberts 17 Heights Terrace, Ridgewood, N. J.
2EL H. H. Carman 217 Bedell St., Freeport, N. Y.
2EM Chas. F. Jacobs 279 Park Place, Brooklyn, N. Y.
2EN Geo. B. Huss 30 Clifton Ave., Lakewood, N. J.
2EO Samuel Levell 265 S. Manning Blvd., Albany, N. Y.
2EP Chas. F. Bauser N. Main St., Pearl River, N. Y.
2EQ O. Stewart Michael, Jr. 825 W. 179th St., New York City
2ER Clarence P. Bowyer 10 Van Reypen St., Jersey City, N. J.
2ES Charles E. Pearce 748 Albert St., Stelway, N. Y.
2ET G. B. England 917 St. Nicholas Ave., New York City
2EU Harry Davis 520 Clinton Ave., Newark, N. J.
2EV Edwin Lentz 5 Mertz Ave., Hillside, N. J.
2EW Jno. C. H. Steinkamp 89 Hyatt Ave., Yonkers, N. Y.
2EX B. B. Jackson 34 E. Newell Ave., Rutherford, N. J.
2EY F. J. McKinney 82 Broad St., Bloomfield, N. J.
2EZ Jas. McAnley 311 W. 54th St., New York City
2FA Wm. A. LeMay 1117 Hutton St., Troy, N. Y.
2FB Harold Cohn 546 W. 146th St., New York City
2FC Fred Clayton 607 Emory St., Asbury Park, N. J.
2FD John DiBlasi 33 Sinclair Ave., Flushing, N. Y.
2FE Gustav A. DeCortin 16 Elm St., Mount Vernon, N. Y.
2FF Harold S. Brewer 19 S. Clinton St., Poughkeepsie, N. Y.
2FG F. H. Myers 540 Providence St., Albany, N. Y.
2FH Herbert D. Schedler 190 South St., Jersey City, N. J.
2FI Geo. E. Cole 36 Watessing Ave., Bloomfield, N. J.
2FJ Fredk. A. Girard Magnolia St., Montvale, N. J.
2FK Richard W. Freure 439a McDonough St., Brooklyn, N. Y.
2FL K. R. Woodruff 616 Clifton Ave., Clifton, N. J.
2FM Francis McCartin, Jr. 524 Paige St., Schenectady, N. Y.
2FN Victor H. Schmitt 158 Catherine St., Elizabeth, N. J.
2FO W. S. Blanchard 405 Westervest Ave., N. Brighton, N. Y.
2FP Ralph G. Barber 205 Herriman Ave., Jamaica, N. Y.
2FQ Joseph Pignone 2065 Anthony Ave., New York City
2FR J. R. Richardson 16 Culver St., Yonkers, N. Y.
2FS Howard L. Stanley Prospect St., Babylon, N. Y.
2FT Wm. E. Murray 521 N. James St., Peekskill, N. Y.
2FU Chas. I. Hertz 510 W. 144th St., New York City
2FV Maxwell S. Connor 132 Milligan Place, South Orange, N. J.
2FW C. V. Macpherson 590 W. 172d St., New York City
2FX Ray V. D. Gedney Center Ave., Little Falls, N. J.
2FY Daniel Voepel, Jr. 1140 Clay Ave., New York City
2FZ F. Frimerman 740 Prospect Ave., New York City
2GA F. W. Miller 4 Hicks Ave., Winfield, N. Y.
2GB Frank H. Giefer Ravenhurst, West Brighton, N. Y.
2GC Albert E. Sonn 32 Hilton St., East Orange, N. J.
2GD R. G. Kaufman 20 Llewellyn Ave., Bloomfield, N. J.
2GE Geo. C. Otten 58 Chichester Ave., Jamaica, N. Y.
2GF J. C. Ruckelshaus 566 Ridge St., Newark, N. J.
2GG Chas. P. E. Gruetzke, Jr. 1237 Brook Ave., New York City
2GH Myles Hardy 373 W. 126th St., New York City
2GI Henry J. McCue 76th St., & Shore Rd., Brooklyn, N. Y.
2GJ E. G. Gronemeyer 1269 Theriot St., New York City
2GK Arnold G. Kastenmayer 417 Paige St., Schenectady, N. Y.
2GL Earl W. Dannels 8501-124th St., Richmond Hill, N. Y.
2GM W. Grumbacher 514 W. 170th St., New York City
2GN H. E. Pfeiffer 45-53d St., Corona, N. Y.
2GO H. G. Mulligan 356 Madison Ave., Albany, N. Y.
2GP Theo. Martin 15 Troy Rd., Menanda, N. Y.
2GQ Chas. T. Manning 81 N. Maple Ave., E. Orange, N. J.
2GR Jno. M. High, Jr. 254th St., & Indep. Ave., N. Y. City
2GS Geo. D. Stewart 90 N. Broadway, Yonkers, N. Y.
2GT J. V. N. Bergen Port Jefferson, Long Island, N. Y.
2GU N. Y. Catholic Protectory Walker Ave., Van Nest, N. Y.
2GV C. J. Ripperger 147 Wisner Ave., Middletown, N. Y.
2GW G. L. Homan Sayville, Long Island, N. Y.
2GX Young Men's Hebrew Assn 92d St. & Lexington Ave., N. Y. City
2GY Frank X. Hayes 162 E. 82d St., New York City
2GZ Robert C. Barnes 916 E. 179th St., New York City
2HA W. H. Sands 80 Forster Ave., Mount Vernon, N. Y.
2HB H. L. Brown 152 S. Broadway, Yonkers, N. Y.
2HC Gordon Peck 68 Woodruff Ave., Brooklyn, N. Y.
2HD K. C. Underwood 54 N. 11th St., Newark, N. J.
2HE Wm. Rock Leroy 201 Beach St., Red Bank, N. J.
2HF Chas. W. Coote 725 W. 172d St., New York City
2HG G. W. Krueger 73 Lincoln Park, Newark, N. J.
2HH Ronald P. Pierson 842 Lake St., Newark, N. J.
2HI Howard I. Becker 185 Division St., Schenectady, N. Y.
2HJ Harold J. Hasbrouck 71 Elmton Ave., Port Chester, N. Y.
2HK H. Gelts 1926 Biecker St., Ridgewood, N. Y.
2HL M. Dreyfus 154 Fairmont Ave., Newark, N. J.
2HM Clarence A. McKee Broad St., Bloomfield, N. J.
2HN Chas. H. Burch 149-6th St., Greenport, N. Y.
2HO Wm. B. Lyons 305-5th St., Greenport, N. Y.
2HP Henry Nintzel 285 Second Ave., Astoria, N. Y.
2HQ Penlon Doscher 148 Fisher Ave., White Plains, N. Y.
2HR Beatreas E. Carman 31 Atlantic Avenue, Freeport, N. Y.
2HS Donald Van Brakle 83 Maple Place, Keyport, N. J.
2HT Howard W. Ticknor 316 Mt. Prospect Ave., Newark, N. J.
2HU Grosvenor Hotchkiss 146 Halsey St., Brooklyn, N. Y.
2HV Ed D. Blodgett 335 Rugby Rd., Brooklyn, N. Y.
2HW Frank M. Hanna 1211 Hutton St., Troy, N. Y.
2HX Harry Alexander 838 Riverside Drive, New York City
2HY Nelson M. Smith 143 Norton Ave., Port Chester, N. Y.
2HZ Arthur F. Clough 1983 Broadway, New York City
2IA F. V. Bremer 3613 Boulevard, Jersey City, N. J.
2IB T. V. Geoghegan Pleasant Ave., Athens, N. Y.

2IC Raymond I. Gratzner Convent Ave. & 139th St., N. Y. City
2ID Frank H. Schubert Thatcher Ave., Harrison, N. Y.
2IE H. A. Bensing 802 E. Jersey St., Elizabeth, N. J.
2IF John H. Bates 1428 Parker St., New York City
2IG Wm. K. Caughey 25 Mada Ave., W. N. Brighton, N. J.
2IH Leo Samuels 43 Treacy Ave., Newark, N. J.
2II W. J. Howell 135 Edgemonte Ave., New York City
2IJ William Weller 946 Collage Ave., New York City
2IK O. L. Davis 1337 South Blvd., New York City
2IL G. C. McClintock 319 Dudley Ave., Westfield, N. J.
2IM Ed. C. Williams, Jr. 120 Greenway, N. Forest Hills, N. Y.
2IN Geo. T. Droste 203 E. 202d St., New York City
2JO Raymond B. Cunningham 60 Park Place, South Orange, N. J.
2JP Wm. E. Ashmall, Jr. 11 Pavonia Ave., Arlington, N. J.
2JQ F. A. Grizner 57 W. 106 St., New York City
2JR J. W. Hubbard 327 King St., Port Chester, N. Y.
2JS Harold T. Dally 25 Lydecker St., Nyack, N. Y.
2JT Norman C. Cowper 454 Merrick Rd., Lynbrook, N. Y.
2JU N. Leo 35 Pt. Washington Ave., N. Y. City
2JV William H. Anderson 41 Pallade Ave., Garfield, N. J.
2JW John B. Worth Cresskill, N. J.
2JX Frank G. Tallman, Jr. 158 Harrison St., East Orange, N. J.
2JY Alex. Dougan 26 Spencer Ave., Lynbrook, N. Y.
2JZ Melville G. Kilborn 349 Valley Rd., West Orange, N. J.
2JA David Carruthers 135 Waverly Place, New York City
2JB Wm. J. Miller 126 Orient Ave., Jersey City, N. J.
2JC Jos. Chambers 142 W. 126th St., New York City
2JD Jno. H. Janco 121 Park St., Schenectady, N. Y.
2JE J. L. Eddy, Jr. 310 Highland Ave., Ridgewood, N. J.
2JF Anton C. Freyman 208 Freeman Ave., Jersey City, N. J.
2JG E. B. Judson 89-3d St., Keyport, N. J.
2JH Wm. B. Fricke 156 N. Arlington Ave., E. Orange, N. J.
2JI Robert P. Norris 906 St. Marks Ave., Brooklyn, N. Y.
2JJ Edward R. Cullen 626-45th St., Brooklyn, N. Y.
2JK A. H. Bardewyck 30 Bay 31st St., Brooklyn, N. Y.
2JL Jos. Roemisch 841 Lexington Ave., New York City
2JM Louis Tepel, Jr. 176 E. 109th St., New York City
2JN C. K. Atwater 40 Oakwood Ave., Up. Montclair, N. J.
2JO Vincent De Dominicis 75 N. Grove St., East Orange, N. J.
2JP H. M. Pruden 141 N. 17th St., East Orange, N. J.
2JQ G. F. Abderholden 659 Henry St., West Hoboken, N. J.
2JR R. E. Bogardus 138 State St., Brooklyn, N. Y.
2JS Thos. J. Smith 624 Summerfield Av., Asbury Pk., N. J.
2JT F. J. Dennis Main St., Fair Haven, N. J.
2JU C. J. Goette 1624 Hamilton Ave., Woodhaven, N. Y.
2JV Eric Hilmer Berg Main St., Pearl River, N. Y.
2JW Augustine Wirth 528 High St., Newark, N. J.
2JX Julius Cohen 545 W. 158th St., New York City
2JY O. J. Goobs 298 Palmetto St., Brooklyn, N. Y.
2JZ C. F. Mueller, Jr. 112 Springfield Rd., Elizabeth, N. J.
2KA John Walter Swanson 114 Grandview Ave., Westfield, N. J.
2KB E. A. Schabbehart 267 Halsey St., Brooklyn, N. Y.
2KC Robert W. Scofield 1565 E. 12th St., Brooklyn, N. Y.
2KD Frank M. Greene 903 Ocean Ave., Brooklyn, N. Y.
2KE H. D. Selvaige 45 Durand Place, Irvington, N. J.
2KF Wm. H. Grace, Jr. Merrick Rd., Babylon, N. Y.
2KH Walter Solberg 620-46th St., Brooklyn, N. Y.
2KI Jack Hoffman 462 Ft. Washington Ave., N. Y. City
2KJ Robert Taylor 464 Pacific St., Brooklyn, N. Y.
2KK Robt. H. Horning 34 Westfield Av., Roselle Park, N. J.
2KL Arthur V. Gregory 105 Hudson Ave., Red Bank, N. J.
2KM Edwin F. Jones 311 Prospect St., Westfield, N. J.
2KN James K. Noble 441 N. Broadway, Yonkers, N. Y.
2KO Wm. A. Smith 561 Midland Av., Midland Beach, N. Y.
2KP Samuel Jackson, Jr. 345 W. 88th St., New York City
2KQ Osmun W. Lorin 96 Highland Ave., Yonkers, N. Y.
2KR Geo. G. Harrington 436 Ford Hall, New Brunswick, N. J.
2KS Ed. M. Mowton 70 Hillcrest Ave., Yonkers, N. Y.
2KT Polytechnic Institute of Brooklyn 85 Livingston St., Brooklyn, N. Y.
2KU O. Oehman 29 New Jersey Ave., Brooklyn, N. Y.
2KV Walter A. Remy 356 Desmond Ave., Bronxville, N. Y.
2KW Jas. A. Plummer 340 Orient Way, Rutherford, N. J.
2KX Theron W. Kilmer 165 W. 85th St., New York City
2KY Wm. V. M. Spader 103-1st Ave., Highland Park, N. J.
2KZ Kenneth W. Spalding 501 Argyle Rd., Brooklyn, N. Y.
2LA A. R. De Rouville 21 Barrow St., Albany, N. Y.
2LB A. T. Newborg 421 Brook Ave., New York City
2LC Alex. P. Roberts Tenafly Rd., Tenafly, N. J.
2LD A. O. Morris 817 Lenox Rd., Schenectady, N. Y.
2LE Louis A. Brandt 11 John St., Paterson, N. J.
2LF Wm. D. Earnest 161-6th Ave., West Roselle, N. J.
2LG C. B. Adams 179 Hudson Ave., Red Bank, N. J.
2LH Wm. S. Halstead 31 Greenidge Ave., White Plains, N. Y.
2LI F. C. Meacham 30 Linden Ave., Brooklyn, N. Y.
2LJ Henry A. Weber 227 Oak St., Weehawken, N. J.
2LK E. H. L. Lee 311-60th St., Brooklyn, N. Y.
2LL A. R. Benedict Newburgh R. D., Newburgh, N. Y.
2LM A. Davidson 347 W. 122d St., New York City
2LN C. P. Morrison 2513 Catala Ave., Glendale, N. Y.
2LO N. Dunham 103 S. First Ave., Highland Pk., N. J.
2LP Cecil J. Reed 26 College Place, Newark, N. J.
2LQ Geo. F. Gaynor 2 School St., Nyack, N. Y.
2LR E. T. Erickson Marlon Ave., Harrison, N. Y.
2LS Everett Decker 2100 Richm'd Ter., Pt. Richmond, N. Y.
2LT Norman C. Hall 157 Roseville Ave., Newark, N. J.
2LU Geo. Beluze 308 Angeleque St., W. Hoboken, N. J.
2LV H. M. Bargehubr 719 W. 180th St., New York City
2LW Everett Sieder 55 Ward Place, South Orange, N. J.
2LX B. A. Hampe 1223 Putnam Ave., Brooklyn, N. Y.
2LY Chas. A. Wood 353 Heberton Ave., Pt. Richmond, N. Y.
2LZ Robt. Schultz 2261 Chatterton Ave., New York City
2MA Earl Hasbrouck 112 S. Main St., Ellenville, N. Y.
2MB Morris Press 1740 Woodhaven Blvd., Woodhaven, N. Y.
2MC Renville H. McMann 380 Riverside Drive, New York City
2MD Manney F. Dinov 8 Waterville Ave., Albany, N. Y.
2ME Harold Zabriskie 76 Larch Ave., Bogota, N. J.
2MF Jos. Sillar 3345 Washington Ave., New York City
2MG H. E. H. Knight 251 Fenimore St., Brooklyn, N. Y.
2MH Edward E. Anderson 1192 Dean St., Brooklyn, N. Y.
2MI Earle S. Morris 390 Oakland Ave., W. Brighton, N. Y.
2MJ Gerard Ferre 997 Sterling Pl., Brooklyn, N. Y.
2MK Walter J. Roche 1757-80th St., Brooklyn, N. Y.
2ML Albert M. Lustig 1282 Hancock St., Brooklyn, N. Y.
2MM Frank M. Soden 110-10th Ave., Beimar, N. J.
2MN Philander H. Betts 156 Seigel St., Brooklyn, N. Y.
2MO S. Tannenbaum 246 Highfield Lane, Nutley, N. J.
2MP Arthur A. Herbert 195 Fernwood Av., Up. Montclair, N. J.
2MQ Thos. B. Comstock 39 Grant Ave., East Roselle Pk., N. J.
2MR Jos. B. Hunter 910 Kilsyth Rd., Elizabeth, N. J.
2MS Abram W. Moses 270 E. 161st St., New York City
2MT Wm. Schick 2723 Cooper Ave., Brooklyn, N. Y.
2MV John J. Dane 92-3d St., Keyport, N. J.
2MW H. B. Watsson 251 Union Ave., Rutherford, N. J.
2MX C. B. Le Gallax Slingerlands, N. Y.
2MY Edwin K. Cohan 601 W. 156th St., New York City
2MZ Thos. J. Mulvaney 1911 White Pines Av., Van Nest, N. Y.
2NA Nelson Aseltine 209 Edgewood Ave., Westfield, N. J.
2NB Chas. C. Cahn 182 Pulaaki St., Brooklyn, N. Y.



2NC Alan B. Tyrrell.....Box 441, Moriches Rd., Riverhead, N. Y.  
 2ND Charles Younger.....247 Neal Dow Ave., Westerleigh, N. Y.  
 2NE A. H. Sarton.....211 Claremont Ave., Jersey City, N. J.  
 2NF Wm. G. Mayer.....N. Bath & Wilson Ave., L. Br., N. J.  
 2NG Frank H. Mulcahy.....444 E. 169th St., New York City  
 2NH H. E. Ballentine.....51 Ann St., Port Richmond, N. Y.  
 2NI D. Truex Buck.....116 W. Main St., Freehold, N. J.  
 2NJ Jas. E. Rossner.....5 Ditson Place, Albany, N. Y.  
 2NK Wm. K. Johnson.....501 Jersey Ave., Spring Lake, N. J.  
 2NL John R. Buckman.....4 Hemlock Place, New Rochelle, N. Y.  
 2NM G. M. Bleiler.....43 Hamilton St., East Orange, N. J.  
 2NN John J. Nightingale.....741 Market St., Paterson, N. J.  
 2NO Frank P. Merritt.....28 Spring St., Red Bank, N. J.  
 2NP N. Brainard Foote.....275 Clinton Ave., Brooklyn, N. Y.  
 2NQ Algot Eiserman.....Ridge St., Pearl River, N. Y.  
 2NR Leroy R. Flynn.....Lincoln Ave., Sayville, N. Y.  
 2NS C. R. Doty.....64 Seaside Ave., Peekskill, N. Y.  
 2NT E. F. Glavin.....328 Orchard St., Yonkers, N. Y.  
 2NU Hugh M. Henry.....9 Park Road, Maplewood, N. J.  
 2NV Frank S. Miller.....312—4th St., Union Hill, N. J.  
 2NW Harris Suspender Co.....1450 Flushing Ave., Brooklyn, N. Y.  
 2NX R. G. Johnston.....21 S. Main St., Freeport, N. Y.  
 2NY Nomer Gray.....301 St. Nicholas Ave., New York City  
 2NZ Elmer Roy Raguse.....151 Main St., Totenville, N. Y.  
 2OA Lester P. Hammond.....Tarrytown Rd., Valhalla, N. Y.  
 2OB J. T. Harahan.....Beach & 133d St., Belle Harb., N. Y.  
 2OC John Henderson.....8 Pier St., Yonkers, N. Y.  
 2OD R. R. Schleckser.....118 Fabyan Place, Newark, N. J.  
 2OE S. L. Raynor.....Cottage Court, Freeport, N. Y.  
 2OF Henry H. Sampson.....307 Prospect St., Westfield, N. J.  
 2OG A. B. O'Hara.....941 Washington Ave., New York City  
 2OH Lyman F. Barry.....20 Morningside Ave., New York City  
 2OI H. E. Anderson.....60 Hanford St., Middletown, N. Y.  
 2OJ Benjamin Solarz.....1540—48th St., Brooklyn, N. Y.  
 2OK Oscar Johnson.....501 W. 134th St., New York City  
 2OL R. L. Dougherty.....539 W. 155th St., New York City  
 2OM Walter H. Ostman.....180 Broad St., Ridgewood, N. J.  
 2ON E. F. Bona.....82 Van Nostrand Ave., Jersey City, N. J.  
 2OO R. T. Hawley.....29 Virginia Ave., Foughkepsie, N. Y.  
 2OP John J. Mulhern.....Highlands, N. J.  
 2OQ Vernon Hodge.....433 S. 6th Ave., Mt. Vernon, N. Y.  
 2OR Andrew Soderstrom.....532 Pacific St., Brooklyn, N. Y.  
 2OS Not assigned  
 2OT W. C. Boerner.....34 Britton Ave., Elmhurst, N. Y.  
 2OU T. J. Berger.....2626 Broadway, New York City  
 2OV Y. A. Golobe.....1248 St. Johns Place, Brooklyn, N. Y.  
 2OW W. H. Tinell.....20 Rutland Rd., Brooklyn, N. Y.  
 2OX Henry N. Truab, Jr.....412 Shippen St., W. Hoboken, N. J.  
 2OY J. Schana.....230 E. 18th St., New York City  
 2OZ Lbyd Jaquet.....916 Union St., Brooklyn, N. Y.  
 2PA J. H. Woolley.....1743 Montgomery Ave., New York City  
 2PB B. Tyler.....79 Winthrop St., Brooklyn, N. Y.  
 2PC Charles J. Lee.....31 Leo Place, Newark, N. J.  
 2PD William A. Ward.....917 Gates Ave., Brooklyn, N. Y.  
 2PE Louis E. Clark.....98 Highwood Ave., Ridgewood, N. J.  
 2PF D. Talianoff.....1435 E. 19th St., Brooklyn, N. Y.  
 2PG Peter Jasko.....Freehold, N. J.  
 2PH Arthur Kammer.....420 Elderts Lane, Brooklyn, N. Y.  
 2PI J. W. Schmidt.....502 W. 143d St., New York City  
 2PJ Alonzo E. Thomas, Jr.....147 Lincoln St., Jersey City, N. J.  
 2PK H. Reifel.....25 W. 71st St., New York City  
 2PL G. K. Thompson.....139 Maplewood Ave., Maplewood, N. J.  
 2PM Adolph J. Farson.....808 West End Ave., New York City  
 2PN Henry C. Berger.....33 Pennington Ave., Passaic, N. J.  
 2PO W. T. Feeney.....819 McLean Ave., Yonkers, N. Y.  
 2PP W. F. Scott.....502 George St., New Brunswick, N. J.  
 2PQ Louis J. Wadsworth.....174 Alabama Ave., Brooklyn, N. Y.  
 2PR Kingdon J. Grover.....Clifton Ave., Lakewood, N. J.  
 2PS Earle F. Lucas.....Highlands, N. J.  
 2PT Clifford H. Hamill.....208 Locust Ave., Port Chester, N. Y.  
 2PJ Jos. I. Lally.....118—26th St., Guttenberg, N. J.  
 2PV H. H. Ammenheuser.....6 Marshall St., Albany, N. Y.  
 2PW William Hellman.....753 Jefferson Ave., Brooklyn, N. Y.  
 2PX Wm. D. Collins.....71 Monroe St., New Rochelle, N. Y.  
 2PY Carl J. Hunkins.....26 Washington Place, Glen Ridge, N. J.  
 2PZ Harry Sadenwater.....50 Glenwood Blvd., Schenectady, N. Y.  
 2QA W. S. Benson.....4 Fuller Place, Brooklyn, N. Y.  
 2QB H. W. Blackford.....220 Park Ave., Plainfield, N. J.  
 2QC E. C. Hubert.....517 Summit Ave., Westfield, N. J.  
 2QD Cornelius Z. Board.....Paramus Rd., Ridgewood, N. J.  
 2QE S. L. Herdin.....21 Prescott Ave., Clifton, N. J.  
 2QF Bowden Washington.....Brower Ave., Woodmere, N. Y.  
 2QG Alfred E. Facks.....427—49th St., Brooklyn, N. Y.  
 2QH Abraham Hess.....431 Sackman St., Brooklyn, N. Y.  
 2QI Alfred C. Oechler.....82 Smith St., Irvington, N. J.  
 2QJ Otto Werres.....964 State St., Schenectady, N. Y.  
 2QK A. K. Ransom.....701 W. 179th St., New York City  
 2QL J. Hornung.....203 E. 64th St., New York City  
 2QM William S. Willis.....347 W. 14th St., New York City  
 2QN H. L. Estberg.....111 Underhill Ave., Brooklyn, N. Y.  
 2QO M. H. Leitch.....32 South Park Drive, W. Orange, N. J.  
 2QP John R. Ward.....160 Garfield Place, Brooklyn, N. Y.  
 2QQ Frederick Burnham.....1801 Dorchester Rd., Brooklyn, N. Y.  
 2QR Harold H. Robinson.....33 Walnut St., Keyport, N. J.  
 2QS John Miller.....33 Windsor Place, Brooklyn, N. Y.  
 2QT J. S. Duford.....63 S. 20th St., Newark, N. J.  
 2QU J. S. Osborne.....164 Union Ave., Belleville, N. J.  
 2QV Harold A. DePalma.....631 Edgecombe Ave., New York City  
 2QW A. D'Amico.....521 Grand St., New York City  
 2QX William E. Gerhart.....354 Fulton St., Elizabeth, N. J.  
 2QY Vincent Tassi.....3091 Webster Ave., New York City  
 2QZ J. H. Zimmer.....81 Carman Ave., Lynbrook, N. Y.  
 2RA R. Anders.....387 Autumn Ave., Brooklyn, N. Y.  
 2RB Wm. H. Reuman.....38—5th St., Woodside, N. Y.  
 2RC C. Young.....68 Linden St., Schenectady, N. Y.  
 2RD Paul W. Fuelling.....538 Third St., Carlstadt, N. J.  
 2RE H. Fass.....34 Grove St., Plainfield, N. J.  
 2RF Chas. M. Springer.....59 Gerry Ave., Elmhurst, N. Y.  
 2RG D. S. Lockwood.....64 Elizabeth St., Keyport, N. Y.  
 2RH Lester Reiss.....580 W. 161st St., New York City  
 2RJ David S. Roche.....237 Elm St., Richmond Hill, N. Y.  
 2RK Not assigned  
 2RL Victor F. Camp.....South Bay Ave., Brightwaters, N. Y.  
 2RM F. A. Maher.....4903—6th Ave., Brooklyn, N. Y.  
 2RN H. C. Grant, Jr.....470 W. 159th St., New York City  
 2RO Henry Roehrich.....2 Belmont Ave., Garfield, N. J.  
 2RP John A. Lynd.....2101—15th St., Troy, N. Y.  
 2RQ Albert Schollhorn.....821 Argyle Rd., Brooklyn, N. Y.  
 2RR Charles A. Kaufman.....777—14th Ave., Paterson, N. J.  
 2RS M. J. Schaefer.....604 W. 135th St., New York City  
 2RT L. O. Cross.....184 Linden Ave., Middletown, N. Y.  
 2RU Charles E. Huffman.....15 Hawthorne Place, Montclair, N. J.  
 2RV James V. Candido.....584 E. 26th St., Brooklyn, N. Y.  
 2RW H. W. Bally.....Summer St., Harrison, N. Y.  
 2RX Joseph Jacobs.....65 W. 127th St., New York City  
 2RY R. L. Glover.....8772—113th St., Richmond Hill, N. Y.  
 2RZ H. McEntee.....16 Hanks Ave., Ridgewood, N. J.  
 2SA J. P. Holder.....467½ Quincey St., Brooklyn, N. Y.

2SB Charles E. Coward.....10318—112th St., Richm'd Hill, N. Y.  
 2SC Joseph J. Stantley.....1 Hampton Ct. Ter., Jersey City, N. J.  
 2SD O. Dickinson.....Park Place, Hyde Park, N. Y.  
 2SE Chas. P. Van Duzer.....34 Marion Ave., Tompkinsville, N. Y.  
 2SF Alan S. Kollock.....9133—120th St., Richmond Hill, N. Y.  
 2SG Fred T. May.....143 High St., Montclair, N. J.  
 2SH H. S. Schanck.....137 Maple Place, Keyport, N. J.  
 2SI E. F. Pfuger.....4038 Barnes Ave., New York City  
 2SJ K. W. Schiltz.....28 Jefferson St., Brooklyn, N. Y.  
 2SK William Woodrow.....3-7 W. 138th St., New York City  
 2SL Barnet Trotsky.....308 W. 147th St., New York City  
 2SM Jas. E. Johnston.....4306 Marista Ave., New York City  
 2SN Geo. Thurston.....26—7th Ave., New York City  
 2SP G. Bielevers.....318—33d St., Woodcliff-on-Hud., N. Y.  
 2SQ Francis B. Hiller.....56 Monte Vista Pl., Ridgewood, N. J.  
 2SR R. L. Gratzner.....802 W. 181st St., New York City  
 2SS E. E. Burghard.....1 E. 93d St., New York City  
 2ST Wendell King.....11 London Terrace, Schenectady, N. Y.  
 2SU G. Fink.....315 Lenox Rd., Brooklyn, N. Y.  
 2SV Conant Manning.....74 Eagle St., Troy, N. Y.  
 2SW S. P. Sutton.....1412 Charlotte St., New York City  
 2SX Geo. H. Sutton.....323 Crooks Ave., Paterson, N. J.  
 2SY H. Wm. Muller.....203 E. 71st St., New York City  
 2SZ J. D. McKnight.....Y. M. C. A., First St., Troy, N. Y.  
 2TA Fred Grunaller.....873 Broadway, Brooklyn, N. Y.  
 2TB William Ehrhardt, Jr.....2079 Mapes Ave., New York City  
 2TC J. B. Milkewitz.....876 E. 179th St., New York City  
 2TD T. M. Dugan.....14 Elm Place, Red Bank, N. J.  
 2TE Victor H. Bentzig.....165 Woodmere Pl., Richm'd Hill, N. Y.  
 2TF G. E. Franklin.....169 Augustine Ave., Schenectady, N. Y.  
 2TG E. S. Follwell.....122 Maplewood Ave., Maplewood, N. J.  
 2TH Thos. F. Hunter.....599 Monroe Ave., Elizabeth, N. J.  
 2TI Jas. A. Francis.....133 Bank St., Newark, N. J.  
 2TJ J. P. Thornton.....922 Central Ave., Westfield, N. J.  
 2TK Not assigned  
 2TL William F. Mayer.....415 Jane St., West Hoboken, N. J.  
 2TM J. Mindick.....158 Columbia Ave., Newark, N. J.  
 2TN L. P. Hauser.....1477 Bushwick Ave., Brooklyn, N. Y.  
 2TO Richard S. Otto.....730 Sherman Ave., Plainfield, N. J.  
 2TP H. G. Musterman.....112 Morgan St., Union, N. Y.  
 2TQ Howard Toft.....282 Oak St., Perth Amboy, N. J.  
 2TR Carl F. Good.....9 Kingman Rd., South Orange, N. J.  
 2TS Theodor E. Schreyer.....21 Sanford Pl., W. N. Brighton, N. Y.  
 2TT A. Rechart.....181 Waverly Place, New York City  
 2TU H. A. Klenzle.....501 E. 84th St., New York City  
 2TV Julius Cohen.....216 W. 115th St., New York City  
 2TW J. M. Sackheim.....516 W. 174th St., New York City  
 2TX J. P. McClary.....88 Front St., Keyport, N. J.  
 2TY Gifford H. Poling.....105 Beer St., Keyport, N. J.  
 2TZ Anthony C. Diehl.....10149—110th St., Richmond Hill, N. Y.  
 2UA R. W. E. Decker.....80 Greenridge Ave., White Plains, N. Y.  
 2UB J. A. Bergner.....1421 E. 10th St., Brooklyn, N. Y.  
 2UC C. B. Urban.....515 St. Marks Ave., Westfield, N. J.  
 2UD Uda B. Ross.....1957—61st St., Brooklyn, N. Y.  
 2UE J. A. Erhard.....311 Maple St., West Hoboken, N. J.  
 2UF Gerard Wennemer.....1784 Eastburn Ave., New York City  
 2UG H. E. Bonduaux.....924 E. 169th St., New York City  
 2UH H. L. Bock.....253 W. 149th St., New York City  
 2UI Harold J. Illich.....715 Thiden St., Williamsbridge, N. Y. C.  
 2UJ A. H. Knights.....862 Hewitt Place, New York City  
 2UK R. Clark Kenyon, Jr.....29 Adelaide Av., New Brunswick, N. J.  
 2UL C. L. Wood.....305 Willow Ave., Lyndhurst, N. J.  
 2UM G. F. Mudgett.....698 E. 22d St., Brooklyn, N. Y.  
 2UN Myron G. Pawley.....513—2d Ave., Asbury Park, N. J.  
 2UO Benj. W. Heyer.....45 N. Fullerton Ave., Montclair, N. J.  
 2UP C. H. Phelps, Jr.....310 W. 92d St., New York City  
 2UQ Eugene D. Hallett.....86 Prospect St., Rutherford, N. J.  
 2UR The Radio Club.....55 Linden Ave., Irvington, N. J.  
 2US William H. Hannah.....70 Plymouth St., Montclair, N. J.  
 2UT J. J. Taylor.....23 Lowell Rd., Schenectady, N. Y.  
 2UU Lionel Bennett.....Franklin St., Harrison, N. Y.  
 2UV Geo. E. Oliver.....92 W. 55th St., Bayonne, N. J.  
 2UW Chas. N. Macpherson.....50 Grant Ave., Lynbrook, N. Y.  
 2UX M. W. Woodman.....New York University, New York City  
 2UY Louis Kipp.....4103—7th Ave., Brooklyn, N. Y.  
 2UZ Arthur C. Olsen.....1046 Summit Ave., New York City  
 2VA F. M. Schussel.....702 Hudson St., Hoboken, N. J.  
 2VB L. B. Jamison.....195 W. Lawrence St., Albany, N. Y.  
 2VC Richard H. Van Camp.....713 Grove St., Point Pleasant, N. J.  
 2VD M. Loos.....150 Franklin Place, Flushing, N. Y.  
 2VE Schuyler R. Ford.....Collins Ave., Sayville, N. Y.  
 2VF Edward Koch, Jr.....168 Willis Ave., Bronx, N. Y.  
 2VG B. Goldman.....330 E. 80th St., New York City  
 2VH Paul Hans.....1814 Grand Concourse, New York City  
 2VI Charles F. Fitch.....301—2d Ave., Asbury Park, N. J.  
 2VJ F. Jaeger.....513 E. 438th St., New York City  
 2VK Ernest V. Amy.....18 W. 70th St., New York City  
 2VL V. H. Lamarche.....18 Reckless Place, Red Bank, N. J.  
 2VM P. T. Brown.....1808 Grand Concourse, New York City  
 2VN Frank M. Squire.....650—52d St., Brooklyn, N. Y.  
 2VO H. Purvis, Jr.....500 W. 173d St., New York City  
 2VP Henry Bartsch.....Box 426, Marlboro, N. Y.  
 2VQ Justus J. Agnoli.....16 Purvis St., Long Island City, N. Y.  
 2VR S. Carpenter.....295 S. Main St., Freeport, N. Y.  
 2VS H. W. Schaefer.....349 E. 65th St., New York City  
 2VT Harry A. Kinderwatter.....16 South F St., Irvington, N. Y.  
 2VU J. F. Campbell.....342 Clifton Ave., Newark, N. J.  
 2VV C. G. Schaum.....551 W. 172d St., New York City  
 2VW C. W. Vollmer.....944 Washington Ave., New York City  
 2VX G. W. McCarthy.....1012 Sutter Ave., Brooklyn, N. Y.  
 2VY R. Carlisle.....511 W. 143rd St., New York City  
 2VZ Emil Krause.....141—26th St., Guttenberg, N. J.  
 2WA Donald J. Pieri.....154 E. 175th St., New York City  
 2WB H. J. Fogetti.....7421 Narrow Ave., Brooklyn, N. Y.  
 2WC Stephen W. Carey, 3d.....Luddington Rd., West Orange, N. J.  
 2WD H. L. Demuth.....82 Wadsworth Ave., New York City  
 2WE A. R. Heydon.....403 Decker St., Brooklyn, N. Y.  
 2WF Rudolph F. Wehnacht.....366 Amsterdam Ave., New York City  
 2WG Walter J. Garvey.....162 E. 184th St., New York City  
 2WH H. L. Bogardus.....215 Virginia Ave., Jersey City, N. J.  
 2WI R. N. Anderson.....353 Warburton Ave., Yonkers, N. Y.  
 2WJ G. P. West.....Railroad Ave., Sayville, N. Y.  
 2WK C. Jos. Cagliano.....245 Pacific St., Brooklyn, N. Y.  
 2WL Walter C. Houghton.....135 Ward Place, South Orange, N. J.  
 2WM Gustave H. Schneck.....1867 Hilmod St., Ridgewood, N. Y.  
 2WN Kenneth T. Bainbridge.....823 Riverside Drive, New York City  
 2WO R. F. Guy.....17 Maple Court, Brooklyn, N. Y.  
 2WP Chas. O. Spannaus.....25 Saratoga Ave., Yonkers, N. Y.  
 2WQ A. Koerner.....203 E. 104th St., New York City  
 2WR A. G. Wester, Jr.....1075 Chancellor Ave., Hilton, N. J.  
 2WS H. W. Sieverling.....54 Nairn Place, Newark, N. J.  
 2WT John K. McKenna.....134 Shonnard Terrace, N. Y.  
 2WU Ridgewood Times Print. & Pub. Co. 818 Cypress Ave., Ridgewood, N. Y.  
 2WV W. Wilson.....42 Hathaway Ave., Deal Beach, N. J.  
 2WW W. W. Stein.....48 W. Van Vechten St., Albany, N. Y.  
 2WX W. W. Allin.....37 N. Spring St., Elizabeth, N. J.  
 2WY Myron R. MacLeod.....630—5th St., Brooklyn, N. Y.  
 2WZ D. C. Keefe.....660 E. 23d St., Brooklyn, N. Y.

# Special Radio Stations of the Second District

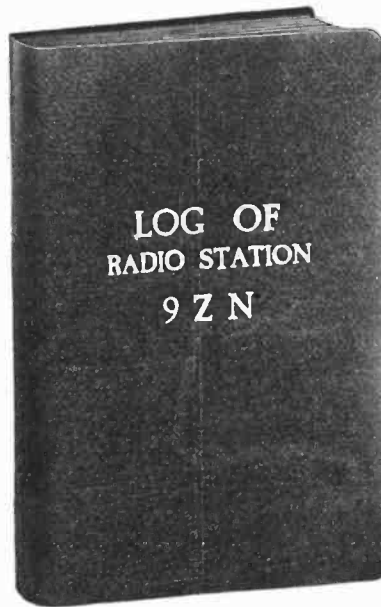
2XA	E. M. Kinney.....	Schenectady, N. Y.
2XAA	Radio Corporation of America...	Port Richmond, N. Y.
2XAB	Radio Corporation of America...	Port Richmond, N. Y., No. 4 (tugboat)
2XAC	Ship Owners Radio Service.....	Woodside, N. Y.
2XAD	Ship Owners Radio Service.....	Jersey City, N. Y.
2XAF	International Radio Teleg. Co.....	New York, N. Y.
2XAG	Ware Radio Co.....	New York, N. Y.
2XAJ	Westinghouse Test Station.....	Newark, N. J.
2XAJ	D. L. & W. R. R. Co.....	Hoboken, N. J.
2XAK	I. R. Neyson Co.....	Newark, N. J.
2XAL	International News Service Co.....	21 Spruce St., New York, N. Y.
2XAM	Radio Corp of America.....	233 Broadway, New York City
2XAN	Henry Alexander.....	20 W. 34th St., Great Neck, N. Y.
2XAO	Radio Corp of America.....	233 Broadway, New York City
2XAQ	J. O. Smith.....	3 Corona Ave., Valley Stream, N. Y.
2XAR	D. W. May.....	325 Central Ave., Newark, N. J.
2XNA	City College Radio Club.....	New York, N. Y.
2XNB	Townsend Harris Hal Rad. Club.....	New York, N. Y.
2XB	Western Electric Co.....	New York, N. Y.
2XC	Ware Radio Co.....	New York, N. Y.

2XD	Ware Radio Co.....	New York, N. Y.
2XE	A. H. Grebe & Co.....	Richmond Hill, N. Y.
2XF	Western Electric Co.....	Cliffwood, N. J.
2XG	De Forest Radio Tel. & Tel. Co.....	New York, N. Y.
2XH	Cutting & Wash'gton Rad. Corp.....	Woodmere, N. Y.
2XI	General Electric Co.....	Schenectady, N. Y.
2XJ	Western Electric Co.....	Elberon, N. J.
2XK	L. M. Cockaday Co.....	New York, N. Y.
2XL	Tarrytown Radio Lab.....	Tarrytown, N. Y.
2XM	Columbia University.....	New York, N. Y.
2XN	College of the City of N. Y.....	New York, N. Y.
2XO	Walter G. Hudson.....	New York, N. Y.
2XP	Louis G. Pacent.....	Winfield, N. Y.
2XQ	N. Y. Union College.....	Schenectady, N. Y.
2XR	Marconi Wireless Tel. Co. of A.....	Roselle Park, N. J.
2XS	R. C. A.....	233 Broadway, N. Y.
2XT	Lowenstein Radio Co.....	Brooklyn, N. Y.
2XU	Am. Radio News Corp.....	21 Spruce St., New York, N. Y.
2XV	Western Electric Co.....	Glenridge, N. J.
2XW	Western Electric Co.....	New York, N. Y.
2XX	DeForest Radio Tel. & Teleg. Co.....	Ossining, N. Y.
2XY	American Tel. & Teleg. Co.....	24 Walker St., New York, N. Y.
2XZ	Fordham University.....	New York, N. Y.
2YA	Knights of Columbus.....	Camp Dix, N. J.
2YB	B. B. Brownlee.....	New York, N. Y.
2YM	East Side Y. M. C. A.....	New York, N. Y.
2YT	Marconi Institute.....	New York, N. Y.
2ZC	Henry L. Leeb.....	South Orange, N. J.
2ZD	Ship Owners Radio Service.....	Woodside, N. Y.
2ZE	Paul F. Godley.....	Port Chester, N. Y.
2ZG	National Amateur.....	New York, N. Y.
2ZH	Arthur A. Herbert.....	Nutley, N. J.
2ZK	Geo. C. Cannon.....	New Rochelle, N. Y.
2ZL	J. Owen Smith.....	Valley Stream, N. Y.
2ZM	Lester Spangenburg.....	Clifton, N. J.
2ZV	A. H. Grebe & Co.....	Richmond Hill, N. Y.



## No Radio Station is Complete Without a Radio Log

THE Citizens Radio Service Bureau has made arrangements to furnish at cost, a genuine Art Leather, 6x9½ inch, double snap ring, loose leaf cover, with your name stamped in gold, containing 100 log sheets. These log sheets

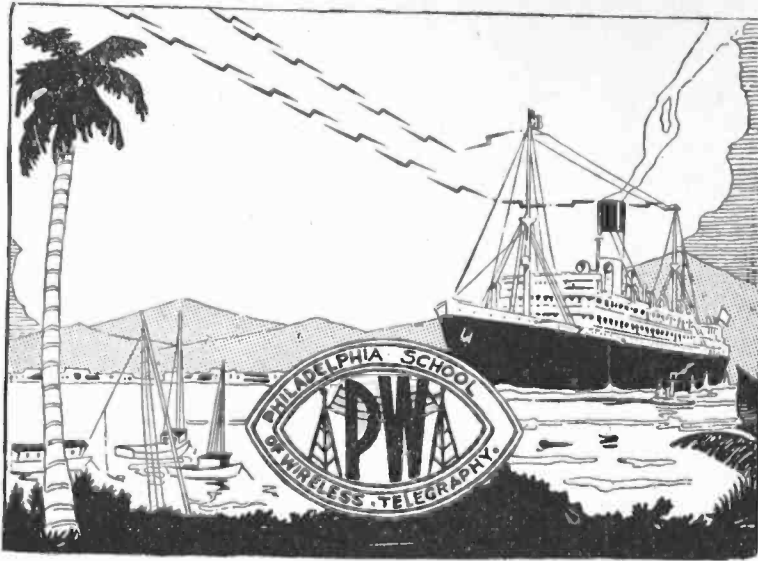


are so arranged that you can record the position of all adjustments on your receiver, where the different stations are heard.

Sent upon receipt of \$1.85, include 15c for postage. Please print your name plainly.

### CITIZENS RADIO SERVICE BUREAU

416 South Dearborn Street  
CHICAGO, ILL.



*Illustrated Booklet Send on Request*

***"The First and Foremost Exclusively Wireless School in America"***

*Founded 1911*

**THE PHILADELPHIA SCHOOL of WIRELESS TELEGRAPHY**  
1533 PINE STREET PHILADELPHIA

**See the World With  
Pay as a  
RADIO OPERATOR!**

**M**ANY positions waiting for you.

Today our graduates are earning substantial salaries and are seeing the world aboard some of the largest vessels.

The Radio 'Phone concerts have created a demand for skilled Radio men of a very high caliber, and our system of instruction instills the proper amount of knowledge in the shortest time possible.

We are the first wireless school on the Atlantic Coast to install and have in operation a 2-kilowatt Federal Arc.

**BEING AMONG THE**

***First***

—to blaze the trail in the Radio business, the Phila. Wireless Sales Corp. is today recognized by the manufacturers and dealers as a leader.

Our entire personnel are practical Radio men, devoting their time to giving a "real service."



**GREBE-RORN**  
RADIO FREQUENCY AMPLIFIER

**Just the Thing to Add to Your Set  
For Increasing Your "DX" Work**

**Official GREBE Distributers**  
For This Territory

**PHILADELPHIA WIRELESS SALES CORPORATION**  
*Affiliated with Philadelphia School of Wireless Telegraphy*  
1533 PINE STREET PHILADELPHIA



Trade Mark  
Registered

*Tell 'Em You Saw It in the Citizens Radio Call Book*



# Amateur Radio Stations of the Third District

Headquarters, Customhouse, Baltimore Md. The third district comprises all the Counties in New Jersey not included in the second district. All counties south of the Blue Mountains in Pennsylvania; the states of Delaware, Maryland, Virginia and the District of Columbia.

3AA	Donald L. Primrose	1 Lawyers Hill Rd., Elkridge, Md.
3AAA	Harold R. Tauman	406 Haddon Ave., Camden, N. J.
3AAB	John Aird	2706 S. 18th St., Philadelphia, Pa.
3AAC	Joseph E. Emmer	1629 Benning St., Baltimore, Md.
3AAD	Elmer Y. Kasall	1460 Frances Ave., Camden, N. J.
3AAE	Dr. Emilio H. Velutini, 3d	1931 N. 23d St., Philadelphia, Pa.
3AAF	James J. Curry	519 Penn St., Reading, Pa.
3AAG	George Butler	228 Hurley Ave., Hilton Village, Pa.
3AAH	John Bell	20 Abbott Ave., Morristown, N. J.
3AAI	Carl Kusmore	647 N. 12th St., Reading, Pa.
3AAJ	Edgar A. Green	825 Cedar St., Hagerstown, Md.
3AAK	Robert C. Myers	305 Baltimore St., Hanover, Pa.
3AAL	Byron Gernert	744 Washington St., Huntington, Pa.
3AAM	Edward F. Doehme, Jr.	2390 Market St., Harrisburg, Pa.
3AAN	George P. Hamilton	108 Pine St., Millville, N. J.
3AAO	Lawrence M. Dunning	2377 Champlain St., Washington, D. C.
3AAP	J. J. Curry	1559 Moss St., Reading, Pa.
3AAQ	Richard T. Penney	280 S. Frazier St., Philadelphia, Pa.
3AAR	Frank J. Homsher	1 Tennis Above Spruce, No. Glenside, Pa.
3AAS	Reuben B. Green	1094 Hamilton Blvd., Hagerstown, Md.
3AAT	J. C. Van Horn	6043 Columbia Ave., Philadelphia, Pa.
3AAU	L. P. Cooper	3606 Central Ave., Ocean City, N. J.
3AAV	Wm. T. & L. H. Gerson	4401 Sanson St., Philadelphia, Pa.
3AAW	L. T. Gilford	106 Sutton Road, Armore, Pa.
3AAX	Robert H. Frey	23 New St., Bangor, Pa.
3AAY	Richard C. Weigel	49 S. Queen St., York, Pa.
3AAZ	Henry G. Bonta	77 Tripp St., Forty Fort, Pa.
3AB	Alfred B. Goodall	1824 Lugnesio Terrace, Wash., D. C.
3ABA	Charles A. Barclay	631 Seltz Ave., Easton, Pa.
3ABB	Herbert T. Riggs	Cor. Franklin & Wilson, Pottstown, Pa.
3ABC	Oliver E. Wintermute	84 Mill St., Newton, N. J.
3ABD	George F. Swayze	716 Front St., Danville, Pa.
3ABE	Edward Stanko	Sugar St., Hooversville, Pa.
3ABF	A. H. Albert	353 Stockton St., Hightstown, N. J.
3ABG	B. Deutchman	17-6th St., Easton, Pa.
3ABH	Clarence Wolf, Jr.	1521 N. 16th St., Philadelphia, Pa.
3ABI	S. Kruse	2647 Garfield St. NW., Wash., D. C.
3ABJ	W. A. Poppe	11 Girard Av. N.E., Washington, D. C.
3ABK	Albert C. Slickers	2816 N. 11th St., Philadelphia, Pa.
3ABL	Edwin L. Chalmers	125 Burk Ave., Wildwood, N. J.
3ABM	J. Meade Landis	19 York St., Bridgeton, N. J.
3ABN	Franklin S. Kurtz	530 Tyler Ave., Trenton, N. J.
3ABO	G. Ralph Hartman	440 Mulberry St., Reading, Pa.
3ABP	Charles W. Crouse	13 Cleveland Ave., Waynesboro, Pa.
3ABQ	Earl N. McCullough	213 N. Wanamaker Ave., Phila., Pa.
3ABR	Eldon E. Lethiser	114 N. Union St., Havre de Grace, Md.
3ABS	E. F. Schwartz	605 Mattoax St., St. Petersburg, Va.
3ABT	W. R. Deavers	1815a W. Main St., Richmond, Va.
3ABU	Roswell Boyer	28 Eichelberger St., Hanover, Pa.
3ABV	C. C. Stahl	Bowers Ave., Lemoyne, Pa.
3ABW	John L. Barnes	113 Mansion Ave., Haddonfield, N. J.
3ABX	Ira Vincent	305-7th St., Ocean City, N. J.
3ABY	T. Harry Shaw	128 E. Upsal St., Mt. Airy, Phila., Pa.
3ABZ	E. R. Boericke	Price & Narbrook Sts., Narberth, Pa.
3AC	David P. Shafer	2107 Bolton St., Baltimore, Md.
3ACA	Albert C. Gilbert	305-7th St., Ocean City, N. J.
3ACB	Ernest A. Farrington	2620 Wesley Ave., Ocean City, N. J.
3ACC	Horace R. Brokaw	R. F. D. No. 2, Nehalem Sta., N. J.
3ACD	Francis M. Nolan	237 State St., Hamburg, Pa.
3ACE	Caulice P. Koon	1108 Washington St., Portsmouth, Va.
3ACF	Warren B. Fishery	2377 Champlain St., NW., Wash., D. C.
3ACG	Thomas F. Smith, Jr.	1632 S St. NW. Ap. 32 Wash., D. C.
3ACH	Harry R. Reed	216 R St. NE., Washington, D. C.
3ACI	John Bostick	2828 N. Memphis St., Philadelphia, Pa.
3ACJ	Raymond J. Peters	Chestnut St., Waynesboro, Pa.
3ACK	Owens Hutcherson	418 Glasgow St., Portsmouth, Va.
3ACL	M. G. Condon	308 W. Main St., Moorestown, N. J.
3ACM	Josiah T. Stokes	236 S. Union St., Kennett Square, P.
3ACN	Geo. V. Doehme	368 Le Cato Ave., Audubon, N. J.
3ACO	Michael Tellilo	15 W. Stiles St., Collingswood, N. J.
3ACP	C. E. Malsberger	1746 Chew St., Allentown, Pa.
3ACQ	Leslie R. Evans	(Temple) R.F.D. No. 1, Rosevale, Pa.
3ACR	Frank Gilmartin	1602 Ritner St., Philadelphia, Pa.
3ACS	George V. Thomas	South Hill, Whitford, Pa.
3ACT	Edward P. Buffington	1820 Boas St., Harrisburg, Pa.
3ACU	Raymond Slavin	1910 Moore St., Philadelphia, Pa.
3ACV	Arthur Krouse	1221 Marlborough St., Philadelphia, Pa.
3ACW	Ralph B. Scheffey	544 Swain St., Bristol, Pa.
3ACX	Chas. H. Monroe	25 S. Mt. Vernon Av., Atl. City, N. J.
3ACY	Joseph E. Post	24 E. Middle St., Hanover, Pa.
3ACZ	Arthur Schmick	514 N. Ninth St., Camden, N. J.
3AD	Bartow Van Ness	823 Park Ave., Baltimore, Md.
3ADA	G. E. Hicks	181 Spring St., Newton, N. J.
3ADB	E. S. Burrell	404 Gowen Ave., Mt. Airy, Philadelphia, Pa.
3ADC	Dan. G. Robinhold	412 Haddon Ave., Camden, N. J.
3ADD	J. D'Autrechy	11 New Jersey, Palmyra, N. J.
3ADE	Geo. Shell	851 Second St., Williamsport, Pa.
3ADF	Fred Bickell, Jr.	304 Cinnamon Ave., Palmyra, N. J.
3ADG	R. L. Flisher	28 E. North Ave., Bethlehem, Pa.
3ADH	James Jennings	9 Hillary Ave., Morristown, N. J.
3ADI	Allan R. Muncey	659 N. Market St., West Phila., Pa.
3ADJ	Horace C. Derby	2676 Fourth St., Norfolk, Va.
3ADK	Thomas L. Worth	113 Park Place, North Plainfield, N. J.
3ADL	Ralph Mattia	765 S. Tenth St., Philadelphia, Pa.
3ADM	J. N. Dow	4914 Osage Ave., Philadelphia, Pa.
3ADN	Elwood Reese	667 Preton St., Philadelphia, Pa.
3ADO	Fred W. Mergenthaler	203 W. 24th St., Collegeville, Pa.
3ADP	James W. Burn	203 W. 24th St., Chester, Pa.
3ADQ	Edward E. Miles	206 W. 24th St., Chester, Pa.
3ADR	Roland Thompson	5613 Cedar Ave., Philadelphia, Pa.
3ADS	Lewis D. Stevens	1254-56th St., Philadelphia, Pa.
3ADT	Charles T. Asbury	Mesha, Oak Lane, Pa.
3ADU	George A. Hay	Fairview Rd., Woodlyn, Pa.
3ADV	F. Shaw	880 N. Markoe St. W. Phila., Pa.
3ADW	Carl T. Graner	3203 Turner St., Philadelphia, Pa.
3ADX	John S. Marsb.	7112 Sellers Ave., Bywood, Pa.
3ADY	John G. Bates, Jr.	234 South St., Morristown, N. J.
3ADZ	Joseph A. O'Donnell	74 W. Rockland St., Philadelphia, Pa.
3AE	Claudian P. Burt	6304 Overbrook Ave., Philadelphia, Pa.
3AEA	William N. Krebs	2811 Chelsea T. F., Baltimore, Md.
3AEB	William H. Wagner	328 W. Franklin St., W. Reading, Pa.
3AEC	Calvin M. Snyder	404 Willow St., Bordentown, N. J.

3AED	C. Evans	164 Oakland Ave., Audubon, N. J.
3AEE	Malcolm Fox	15 Broadway & Duncan St., Westville, N. J.
3AEF	Gregory Weeden	235 Maple Ave., Takoma Park, Md.
3AEG	Isaac Neveing	2716 Fairmont Av., Atlantic City, N. J.
3AEH	H. Chait	12 S. Broad St., Penns Grove, N. J.
3AEI	Louis H. Buehl, Jr.	6233 Webster St., Philadelphia, Pa.
3AEJ	Joseph M. Fox	Audalusia, Pa.
3AEK	Ernest A. Farrington, Jr.	435 Kings Highway, Haddonfield, N. J.
3AEL	John C. Ragona	1918 S. 12th St., Philadelphia, Pa.
3AEM	John W. Brubaker	1701 Race St., Philadelphia, Pa.
3AEN	S. Y. Warner, Jr.	120 Edgewood Road, Armore, Pa.
3AEO	Chas. W. Hicks	R.F.D. 1, P. O. Roelofs P. O., Pa.
3AEP	Charles L. Cornell, Jr.	305 Hurley Ave., Hilton Village, Pa.
3AEQ	Kuward W. Beeler	2432 W. Norris St., Philadelphia, Pa.
3AER	Jack Senior	405 Moorlyn Terrace, Philadelphia, Pa.
3AES	Frank Seidenburg	1408 S. 6th St., Philadelphia, N. J.
3AET	Walter S. Kiggs	216-9th Ave., Haddon Hgts., N. J.
3AEU	Robert D. Eaton	21-9th Ave., Haddon Hgts., N. J.
3AEV	Alden S. Clark	893 Pine St., Danville, Va.
3AEW	Walter L. Holt	2925 N. 6th St., Philadelphia, Pa.
3AEX	Geo. K. Harbold	Lebanon High School, Lebanon, Pa.
3AEY	Carl Wenger	1320 Mt. Ephraim Ave., Camden, N. J.
3AEZ	Leand G. Frierson, Jr.	1519 E. North Ave., Baltimore, Md.
3AF	Raymond E. Peterson	6047 Allman St., Philadelphia, Pa.
3AFA	Hoy Albright	231 Lincoln Ave., Newton, Pa.
3AFB	Ray T. Shaw	1914 Park Drive, Wilmington, Del.
3AFC	Kenneth Conover	27 Mercer St., Somerville, N. J.
3AFD	William R. Day	8 Phoenix Ave., Morristown, N. J.
3AFE	Roosevelt B. Goodshalt	51 Hillside Ave., Souderton, Pa.
3AFF	Arthur S. Wortington	R. F. D. No. 1, Yardley, Pa.
3AFG	Walter A. Leylaou	4711 Virginia Av., Newport News, Va.
3AFH	Harold A. Menyer	1034 Court St., Reading, Pa.
3AFI	Charles R. Nicuath	6610 Limekiln Pike, Germ., Phila., Pa.
3AFJ	Walter G. Walker	216-46th St., Newport News, Va.
3AFK	Jesse M. Lynch	19 Riddle Ave., Wilmington, Del.
3AFL	Russell C. Mayo	1903 Shellcross Ave., Wilmington, Del.
3AFM	Palmer M. Craig	1803 Delaware Ave., Wilmington, Del.
3AFN	Albert J. Wilkinson	56 Mary St., Bordentown, N. J.
3AFO	James D. Haig	118 Maple Ave., Mercantville, N. J.
3AFP	Thaddeus H. Hopkins	1524 Caroline St. NW., Wash., D. C.
3AFQ	William H. Oelschager	2074 Willard St., Philadelphia, Pa.
3AFR	William S. Garland	Hampton Institute, Hampton, Va.
3AFS	Carl Lorner	W. Park Ave., Vineland, N. J.
3AFT	Alan F. Smith	18 E. Madison St., Baltimore, Md.
3AFU	Elbert B. Judson	4206 River Rd. NW., Wash., D. C.
3AFV	Frederic A. Middleton	1329 Randolph St. NW., Wash., D. C.
3AFW	A. R. McGonegal	300 Clarendon Ave., Clarendon, Va.
3AFX	Ervin Stout	408 W. Lawn St., Perkasie, Pa.
3AFY	George G. Young	1222 Rush St., Philadelphia, Pa.
3AFZ	Miss Della F. Maskell	70 Elm St., Bridgeton, N. J.
3AG	Robt. Weinwurm	1223 N. Jessup St., Philadelphia, Pa.
3AGA	William E. Lavery	1015 Columbia St., Philadelphia, Pa.
3AGB	Wm. M. Cockrel	117 Lincoln St., Grafton, W. Va.
3AGC	Russell Kutz	330 N. 10th St., Reading, Pa.
3AGD	Jacob E. Mathlot	202 W. King St., Lancaster, Pa.
3AGE	Holan G. Lynn	613 W. Washington St., Hagers., Md.
3AGF	Robert W. Elmer	230 E. Commerce St., Bridgeton, N. J.
3AGG	Clarence C. Leinnach	962 Morey Ave., Womissing, Pa.
3AGH	Dexter G. White	Qwynodd, Pa.
3AGI	Fred G. DeLong	141 Oey St., Reading, Pa.
3AGJ	Russell A. Stratton	416 Maple Ave., Audubon, N. J.
3AGK	John Donohue	307 E. Fremont St. Kess., Phila., Pa.
3AGL	Theodore St. J. Porcher	Haverford School, Haverford, Pa.
3AGM	Allan S. Ross, Jr.	428 Comley Av., W. Collingswood, N. J.
3AGN	William N. Gross	1714 S. 56th St., Philadelphia, Pa.
3AGO	Walter H. Barth	453 Thompson St., Philadelphia, Pa.
3AGP	Walter H. Faezer	28 Washington Park, Westville, N. J.
3AGQ	Howard K. Martin	Willow Grove Av., C. H., Phila., Pa.
3AGR	Norman A. Bialy	122 Woodlawn Av., Collingswood, N. J.
3AGS	Lloyd Akerblom	5309 Locust St., Philadelphia, Pa.
3AGT	F. W. Cocklin	1630 N. 6th St., Harrisburg, Pa.
3AGU	Joseph C. Mong	K. F. D. No. 1, Smutsum, Md.
3AGV	J. C. Donahue	1939 N. 23d St., Philadelphia, Pa.
3AGW	Frank A. Conerton	132 New Jersey Av., Collingswood, N. J.
3AGX	Chester Miraszewski	127 S. 10th St., Reading, Pa.
3AGY	Robert S. Clay	3436-14th St. NW., Wash., D. C.
3AGZ	John D. Maxwell	Barret Av. & Pine St., Audubon, N. J.
3AII	Henry S. Wallen	Main St., Fairton, N. J.
3AIA	Geo. P. Houston	3834 Reisterstown Rd., Baltimore, Md.
3AIB	Raymond E. Locke	344 Logan Ave., Audubon, N. J.
3AIC	Gustave K. Yeager	2421 W. Clifford St., Philadelphia, Pa.
3AID	William F. Wescott	112 Lawnside Ave., Collingswood, N. J.
3AIE	Harry D. Levin	402 N. Seamore St., Petersburg, Va.
3AIF	Paul Naftzinger	319 Rose St., Reading, Pa.
3AIG	Guy A. Phillins	1338 Cotton St., Reading, Pa.
3AIH	Leonard B. Busch	725 Pear St., Reading, Pa.
3AII	Thomas A. Hill	222 County St., Portsmouth, Va.
3AIJ	Orville Shurts	3 Maple Ave., Neshanic Station, N. J.
3AIK	Alfred W. Gieske, Jr.	Edmonson Ave., Catonsville, Md.
3AIL	J. A. Staples	43 Forest Hill, Richmond, Va.
3AIM	Howard L. Carkhuff	Main St., South Branch, N. J.
3AIY	Samuel B. Taylor	3109 Forest Hill Av., S. Richm'd, Va.
3AIO	Charles P. Foy	3573 Lafayette St., East Falls, Pa.
3AIP	Roland Fowler	901 Rittenhouse St., Washington, D. C.
3AIQ	Arthur J. Wilson	4504 Pine St., Philadelphia, Pa.
3AIR	Jesse Bieberman	1507 Mifflin St., Philadelphia, Pa.
3AIS	Walter L. Baldwin	5646 Larchwood Ave., Philadelphia, Pa.
3AIT	Charles Wm. Harvey	Bowie, Md.
3AIU	Ellitt E. Blankenship	1532-1st St. NW., Washington, D. C.
3AIV	J. Richardson Cail	114 Walnut St., Haddonfield, N. J.
3AIW	Robert B. Kay, Jr.	Line Rd., Newton Square, Pa.
3AIX	Benjamin D. Ullo	1709 Seigel St., Philadelphia, Pa.
3AIY	Alfred W. Kramer	321 Daris Rd., Llanerch, Pa.
3AIZ	G. W. Carns	1134 S. 56th St., West Philadelphia, Pa.
3AI	John J. Casmay	115 Columbia Ave., Phoenixville, Pa.
3AIA	Guillam G. Clamer	Collegeville, Pa.
3AIB	Wm. H. A. Paulus	518 N. Conn. Av., Atlantic City, N. J.
3AIC	Practical Arts Dept., R. S. D.	Practical Arts Bldg., Reading, Pa.
3AID	Frederick Linden	Brewster Rd., Chest. Av., Vineland, N. J.
3AIE	Robert Fairlamb	315 S. Monroe St., Media, Pa.
3AIF	Albert E. Thels	432 W. Horter St., Philadelphia, Pa.
3AIG	Paul L. Dittman	51 Southern Av., Lauraville, Balt., Md.
3AIH	George Grammer	5903 Ellsworth St., West Phila., Pa.
3AIJ	H. S. Wallen	Main St., Fairton, N. J.

3AJJ Eugene S. Darlington..... 121 W. Court St., Doylestown, Pa.  
3AJK Frederick Trefa..... 2649 Hiawath St., Philadelphia, Pa.  
3AIL Louis De Castro..... 102 Talmage Ave., Bound Brook, N. J.  
3AIM L. Schaefer..... 206 Brobst St., Shillington, Pa.  
3AIN Robert N. Lawton..... 212 Porter St., Easton, Pa.  
3AIO J. Robert Ziegler..... 129 Dauphin St., Lancaster, Pa.  
3AIP Lewis Rufford, 2d..... 1403 Market St., Wilmington, Del.  
3AIQ Andrew P. Johnson..... 9 S. Dudley Pl., Ventnor City, N. J.  
3AIR Denny C. Culbert..... Marion, Va.  
3AIS Howard H. Layton..... 805 Washington St., Wilmington, Del.  
3AIT Elmer I. Johnson..... 831 Rittenhouse St., Washington, D. C.  
3AIU Edmund W. Burroughs..... 733 W. State St., Trenton, N. J.  
3AIV Jerome Williamson..... Green Village, Morris County, N. J.  
3AIW Watson Bowler..... 312 Madison Ave., Atlantic City, N. J.  
3AIX Edgar S. Amerman..... 311 Lafayette St., Easton, Pa.  
3AIY Joseph Gorman..... 81 S. Bridge St., Somerville, N. J.  
3AIZ Sydney A. Jarvis..... 815 Radcliffe St., Bristol, Pa.  
3AJ John E. Wynkoop..... 4054 Chestnut St., Philadelphia, Pa.  
3AJA Stanley I. Donoho..... 2933 Washington St., Wilmington, Del.  
3AJB Malcolm Strieby..... 112 Rutgers Ave., Swarthmore, Pa.  
3AJC Charles J. Wood..... 1513 John St., Baltimore, Md.  
3AJD Emile J. Boucher..... Coleraine Road, Catonsville, Md.  
3AJE Grant Nonnamaker..... 3487 Jasper St., Philadelphia, Pa.  
3AJF John E. Leppis..... 148 Elm St., Reading, Pa.  
3AJG Powhatan Breeden, 3rd..... 105 Linden St., Richmond, Va.  
3AJH G. Ambrose Schmidt..... 1936—1st St. NW., Washington, D. C.  
3AJI Walter McCreary..... 2865 N. Stillman St., Philadelphia, Pa.  
3AJJ Francis M. Hall..... 715—12th St. NW., Washington, D. C.  
3AJK Curtis Cobee..... 2124 N. Darlen St., Philadelphia, Pa.  
3AJL H. Curtis Myers..... 1551 E. Montgomery Ave., Phila., Pa.  
3AJM Richard I. Wilson..... 1706 Race St., Philadelphia, Pa.  
3AJN Clifford S. Lauer..... 5832 Hazel Ave., Philadelphia, Pa.  
3AJO James T. Ford..... Maryland Ave., Hagerstown, Md.  
3AJP Jacob C. Meler..... 216 N. Franklin St., Philadelphia, Pa.  
3AIQ Victor Duchossols..... 328 W. Edgley St., Philadelphia, Pa.  
3AJR Edward W. Stewart..... Pitman, N. J.  
3AJS Frank W. Moorhead..... 1700 Regina St., Harrisburg, Pa.  
3AJT Morten O. Olsen..... 137 Evergreen Ave., Woodlyne, N. J.  
3AJU Clarence W. Moyer..... 28 Vine St., Lansdale, Pa.  
3AJV Franklin MacIndoe..... 3428 Queen St., East Falls, Pa.  
3AJW Edgar Upman..... 1921 W. Fayette St., Baltimore, Md.  
3AJX Andrew Massey..... Hilton Village, Va.  
3AJY Clarence Wilkinson..... 535 Pine St., Catasauqua, Pa.  
3AJZ Howard G. English..... 221 W. Pine St., Shamokin, Pa.  
3AK Albert L. Frankentfeld..... 5301 Haverford Ave., Philadelphia, Pa.  
3AKA Louis E. Riehwel..... 208 Harmon St., Baltimore, Md.  
3AKB William Nicklin..... 114 Hoffman St., Trenton, N. J.  
3AKC Nelson C. Fallin..... 1711 Pennsylvania Av., Wilmington, Del.  
3AKD Geo. A. Hofman..... 2052 S. Broad St., Trenton, N. J.  
3AKE Walter J. Kean..... 166 East Ave., Bridgeton, N. J.  
3AKF Edward N. Fox..... 1607 S. Ithan St., Philadelphia, Pa.  
3AKG Edwin J. Coleman..... 2917 Stonewall St., S. Richmond, Va.  
3AKH Clarence I. Ways..... 10 Hanover St., Cumberland, Md.  
3AKI Edmund Rawa..... 508 S. Wolfe St., Baltimore, Md.  
3AKJ Warren Patterson..... 18 N. Congress Av., Atlantic City, N. J.  
3AKK Robert C. Miller..... 1349 Linden St., Allentown, Pa.  
3AKL Henry B. Thompson..... 127 W. Durham St., Mt. Airy, Pa.  
3AKM George L. Oddy, Jr..... 1122 Divinity Place, Philadelphia, Pa.  
3AKN Aiky E. Fitzpatrick..... 721 Suedwick St., Philadelphia, Pa.  
3AKO Frank A. McGarry..... 6030 Christian St., West Phila., Pa.  
3AKP Emile Brauer..... 203 S. Chester St., Baltimore, Md.  
3AKQ William T. Clark..... 9 E. Irving St., Chevy Chase, Md.  
3AKR G. Graham McComy..... 34 N. Wycombe Ave., Lansdowne, Pa.  
3AKS Thornton N. Cox..... 1729 W. North Ave., Baltimore, Md.  
3AKT Ervin Sachsenmaler..... Waring & H. S. Rds., Elkins Park, Pa.  
3AKU Elmer S. Jones..... 21 N. New Hampshire St., Wycoffe, Pa.  
3AKV Richard Towell..... 21 N. New Hampshire Av., All. Cy., N. J.  
3AKW Allen B. Hanger..... 301 Chestnut Ave., Waynesboro, Va.  
3AKX Carl H. Anderson..... 116 N. Vermont St., All. City, N. J.  
3AKY George E. Heisley..... 404 Sheperd St., Washington, D. C.  
3AKZ G. Park Weaver..... 425 Park St., Camp Hill, Pa.  
3AL Chas. E. Sener, Jr..... 2706—24th St. NW., Wash., D. C.  
3ALA Nelson G. Stevens..... S. Main St., Woodstown, N. J.  
3ALB Edward Rice..... 2438 Freemansburg Ave., Easton, Pa.  
3ALC Robert F. Robbins..... 5244 Rising Sun Ave., Philadelphia, Pa.  
3ALD James E. Williams..... Bonsall Ave., Fernwood, Pa.  
3ALE Richard M. Krauss..... 2028 N. 19th St., Philadelphia, Pa.  
3ALF Andrew C. Iverson..... 18 Cherry St., Collingsdale, Pa.  
3ALG William Salt..... 200 Rosemont Ave., Trenton, N. J.  
3ALH Roswell R. Boyer..... 28 Eichelberger St., Hanover, Pa.  
3ALI John H. Duddy..... 116 N. 63d St., Philadelphia, Pa.  
3ALJ J. C. Geiger..... 226 Noreg Place, Brooklawn, N. J.  
3ALK Lewis H. MacLaughlin..... 313 W. 2d St., Media, Pa.  
3ALL Walter K. Koch..... 1521 N. 17th St., Philadelphia, Pa.  
3ALM C. R. McLaughlin..... 546 Creighton St., Philadelphia, Pa.  
3ALN Harris F. Hastings..... 905 B St. NE., Washington, D. C.  
3ALO Stanford H. Rose..... 1440 Meridian, Washington, D. C.  
3ALP George B. Lacy..... 653 E. Capitol St., Washington, D. C.  
3ALQ Earl W. Peters..... 2304 Federal St., Camden, N. J.  
3ALR Albert B. Montague..... 821—3d St. NE., Washington, D. C.  
3ALS Harry P. Campbell..... 215 High St., Clayton, N. J.  
3ALT Albert Elvanian..... 5700 Walnut St., Philadelphia, Pa.  
3ALU Henry G. Oakes..... 206 Church St., Catasauqua, Pa.  
3ALV Richard Topham..... Calhoun St., Wytheville, Va.  
3ALW Harry S. Beeson..... Grandview Ave., Bellefonte, Del.  
3ALX Edward W. Brnden..... 310 1st Ave., Collinswood, N. J.  
3ALY Martin H. Morris..... 15 Mechanic St., Somerville, N. J.  
3ALZ Edward T. Dugan..... 123 E. Magnolia Ave., Wildwood, N. J.  
3AM Sylvester Pisanl..... 226 N. Calhoun St., Baltimore, Md.  
3AMA John M. Thompson..... 1706 S. Ringold St., Philadelphia, Pa.  
3AMB Milton Clendaniel..... 122 Madison St., Atlantic City, N. J.  
3AMC John Narattl..... 350 Lehigh St., Palermton, Pa.  
3AMD John E. Mullen..... 2975 Congress Rd., Fairview, N. J.  
3AME Sister Hares..... 2nd and Church Sts., Philadelphia, Pa.  
3AMF Walter H. Reed, Jr..... 3902 Cottage Ave., Baltimore, Md.  
3AMG Donald A. Bolton..... 2120 Mt. Royal Ter., Baltimore, Md.  
3AMH W. Philadelphia H. S. for Boys..... 48th & Walnut Sts., Philadelphia, Pa.  
3AMI Maron Kennedy..... 427 N. 53d St., Philadelphia, Pa.  
3AMJ Walter E. Gilbert..... 125 Apsley St., Germantown, Phila., Pa.  
3AMK Lewis J. Wallace..... 2808 Cambridge St., Philadelphia, Pa.  
3AML Ralph N. Lindner..... Finberg Apts., Pine St., Philpsbg, Pa.  
3AMM John C. Palmer..... 4229 Osage Ave., Philadelphia, Pa.  
3AMN Samuel S. Torris..... 1410 Moore St., Philadelphia, Pa.  
3AMO Clifford S. Evans..... 19 W. Chestnut Av., Merchantville, N. J.  
3AMP Seneca W. Beal..... 105 High St., Woodbury, N. J.  
3AMQ William J. Hecker..... 1214 N. 27th St., Camden, N. J.  
3AMR Jack Hacklman..... 5764 Osage Ave., Philadelphia, Pa.  
3AMS Thomas T. Mather..... 1210 S. Edgewood St., Phila., Pa.  
3AMT Frederick Strattnr..... 1638 N. Redfield St., Philadelphia, Pa.  
3AMU Percy F. Redhouse..... 8116 Ardleigh St., Philadelphia, Pa.  
3AMV A. Armstrong..... Cedar Ave., Clementon, N. J.  
3AMW Thomas A. England..... 6715 N. 6th St., Philadelphia, Pa.  
3AMX James H. Lees..... 1659 N. 62d St., Philadelphia, Pa.  
3AMY Russell Scargle..... 801 Baltimore Ave., Lansdowne, Pa.  
3AMZ George Frank..... 1120 Union St., Philadelphia, Pa.  
3AN Clifton K. Yearley..... Garrison & Fernhill Avs., Baltimore, Md.  
3ANA Thomas S. Fenimore..... 135 W. Broad St., Burlington, N. J.  
3ANB Jack B. Nance..... 2024 Park Ave., Baltimore, Md.  
3ANC William H. Schuelle..... 1110 N. Union St., Philadelphia, Pa.

3AND Theodore S. Helmeken..... 21 W. Broad St., Burlington, N. J.  
3ANE Martin E. Reynolds..... 213 S. 2d St., Colwyn, Pa.  
3ANF Allan C. Davis..... 1701 Park Ave., Baltimore, Md.  
3ANG Herbert G. Feam..... 705 Baltimore Ave., E. Lansdowne, Pa.  
3ANH Howard C. Wood, Jr..... 93 E. Stratford Ave., Lansdowne, Pa.  
3ANI Edward L. Ramer..... 4937 Locust St., Philadelphia, Pa.  
3ANJ Russell Mester..... 5622 Arch St., Philadelphia, Pa.  
3ANK William Hurst..... 687 W. Johnson St., Philadelphia, Pa.  
3ANL R. John Work..... 12 W. Front St., Media, Pa.  
3ANM Fred W. Mancill..... 2569 N. Cleveland Ave., Phila., Pa.  
3ANN Lloyd Du Bois..... 3213 W. Penn St., Gerantn, Phila., Pa.  
3ANO George J. Schumerich..... 3622 N. 15th St., Philadelphia, Pa.  
3ANP George Gillen, Jr..... 2134 Christian St., Philadelphia, Pa.  
3ANQ George Peterson, Jr..... 35 W. Montgomery Ave., Ardmore, Pa.  
3ANR Allen Sinclair, Jr..... 1208—27th St., Camden, N. J.  
3ANS Noel T. Wellman..... 106 Chester Pike, Ridley Park, Pa.  
3ANT Henry E. Barth..... 5341 Wyalusing Ave., Philadelphia, Pa.  
3ANU John M. Hod..... 6153 Linexin Pipe, Philadelphia, Pa.  
3ANV James Bloenthal..... 2347 Logan St., Harrisburg, Pa.  
3ANW Central Electric & Lock Co..... 1309 Arch St., Philadelphia, Pa.  
3ANX William Haslett, Jr..... Arkansas St., Atlantic City, N. J.  
3ANY Joseph Hasch..... 842 N. 10th St., Philadelphia, Pa.  
3ANZ Albert D. Henze..... 837 S. Alden St., Philadelphia, Pa.  
3AO Millard F. Bennett..... 301 Green St., Millville, N. J.  
3AOA James T. McLaughlin..... 1212 W. Mosher St., Baltimore, Md.  
3AOB Leon K. Sowers..... 720 Virginia Ave., Hagerstown, Md.  
3AOC Kenneth Rousley..... 2839 Penn St., Penrose, Pa.  
3AOD R. W. Delmotte..... 2212 N. 2d St., Harrisburg, Pa.  
3AOE John Treptus..... 3602 Richmond St., Philadelphia, Pa.  
3AOF John Fields..... 1012 W. Lehigh St., West Lehigh, Va.  
3AOG Waverly Hopkins..... Richmond, Va.  
3AOH Henry J. Geist..... 4419 Walnut St., Philadelphia, Pa.  
3AOI Robert J. Miller..... 428 Beall St., Cumberland, Md.  
3AOJ R. H. Best..... A. C. L. Railroad, Dunlop Station, Va.  
3AOK Albert S. Naylor..... 1724 Brunswica Ave., Trenton, N. J.  
3AOL Carl T. Smith..... 1123 Grove Ave., Richmond, Va.  
3AOM James G. Stradling, Jr..... 110 Amherst Ave., Ventnor, N. J.  
3AON Frank E. Bauer, Jr..... 16 S. Vassar Sq., Ventnor City, N. J.  
3AOO Clarence Sengpiel..... 2408 Lehigh Ave., Philadelphia, Pa.  
3AOP Reuben Kantrow..... 718 S. 5th St., Philadelphia, Pa.  
3AOQ John A. Davis, Jr..... 108 N. Morris St., Richmond, Va.  
3AOR Harlan C. Werkleiser..... 2212 N. Natrons St., Philadelphia, Pa.  
3AOS Carl W. Appel..... 625 Hamilton St., Allentown, Pa.  
3AOT Herbert G. Turner..... 43 S. Union St., Petersburg, Va.  
3AOU Donald W. Graham..... Atlantic & Monroe Aves, Magnolia, N. J.  
3AOV S. J. Gundry..... Stonega, Va.  
3AOW Benjamin Friedman..... 501 S. Cecil St., Philadelphia, Pa.  
3AOX Trayson A. Snurr..... 228 Park St., Waynesboro, Pa.  
3AOY Wilbur S. Reese..... 217 Cleveland Ave., Waynesboro, Pa.  
3AOZ John H. Smith..... 328 Columbia Ave., Lancaster, Pa.  
3APA J. Martin Simons..... 2316 N. 19th St., Philadelphia, Pa.  
3APB Dwight A. Rudasill..... 110 College Ave., Salem, Va.  
3APC Charles H. Thomas, Jr..... 38 Curtis Ave., Woodbury, N. J.  
3APD Charles R. Fairbanks..... Monroe & Walnut Aves, Magnolia, N. J.  
3APE Horace D. Good..... 419 Gordon St., Reading, Pa.  
3APF Bernard J. Biscolliti..... 1024 S. Passyunk Ave., Phila., Pa.  
3APG Walter H. Whiton..... Neshanic Station, N. J.  
3APH Leroy Schofield..... R. F. D. No. 1, Edgemoor, Del.  
3API Stanley A. Carney..... 2252 Free'ns'g Av. W. B., Easton, Pa.  
3APJ Richard E. Mayne..... 326 MacIay St., Harrisburg, Pa.  
3APK Harry S. White..... 19 General Green Ave., Trenton, N. J.  
3APL Worrell Gaskill..... Township, Florence, N. J.  
3APM Roderick M. Maben..... Evergreen Place, Arlington, Md.  
3APN Howard C. Searing..... Main St., Kenrille, N. J.  
3APO George F. Warren..... Evesham Ave., Magnolia, N. J.  
3APP Robert Stigler..... 624 N. Carey St., Baltimore, Md.  
3APQ Howard S. Frazier..... 5714 Hazel Ave., Philadelphia, Pa.  
3APR Ervin Dilworth..... 517 Summit Grove, Bryn Mawr, Pa.  
3APS Clinton M. Owen..... Broad St., South Boston, Va.  
3APT William N. Boulden..... 1928 W. 4th St., Chester, Pa.  
3APU Ernest R. Bateman..... 918 N. Stricker St., Baltimore, Md.  
3APV Enoch F. Hoffman..... 2108—3d St., Chester, Pa.  
3APW Bernard J. Kroger..... 1630—3d St. NW., Washington, D. C.  
3APX Roland Thompson..... 5613 Cedar Ave., Philadelphia, Pa.  
3APY W. C. Flake..... 125 Indiana St., N. W., Washington, D. C.  
3APZ Charles J. Swain, Jr..... 115 Spruce St., Philadelphia, Pa.  
3AQ Frederick Cotten..... 232 W. Cumberland St., Phila., Pa.  
3QA Norris Tutten..... Line Rd., Bryn Mawr, Pa.  
3QAQ Leonard S. Cohn..... 3569 N. 21st St., Philadelphia, Pa.  
3QAP William D. Kelly..... 202 E. 29th St., Baltimore, Md.  
3QAQ Harold Corson..... R. D. 1, E. Main St., Penns'g., N.  
3QAD Camp Roosevelt, B. S. A..... Chesapeake Beach, Md.  
3QAE Donald Kinnier..... 358 Shedaker St., Philadelphia, Pa.  
3QAF Jesse C. Haydock, Jr..... 316 E. Main St., Haddonfield, N. J.  
3QAG John Evans, Jr..... State St., Avondale, Pa.  
3QAH Albert Laurent..... 208 E. Glen Olden Av., Glen Olden, Pa.  
3QAI Philip Moninger..... 1745 N. Redfield St., Philadelphia, Pa.  
3QAJ R. G. Kleffner..... 835 Rittenhouse St., Washington, D. C.  
3QAK Harry A. Eisenhard..... 1329 Chew St., Allentown, Pa.  
3QAL Siegfried Baden..... Box No. 135, Collegeville, Pa.  
3QAM William N. Mead..... Berwyn, Pa.  
3QAN William G. De Long..... 212 W. Elm St., Reading, Pa.  
3QAO Lloyd A. Gochenour..... 669 High St., Lancaster Pa.  
3QAP Alfred L. Smith..... Washington Crossing, Pa.  
3QAQ Gerald H. Wintermute..... 43 Linwood Ave., Newton, N. J.  
3QAR Park H. Cassaday..... 248 Archa St., Hershey, Pa.  
3QAS Marcus L. Cheeseman..... 108 N. Broad St., Penns Grove, Pa.  
3QAT H. B. Williams..... Second Ave., Aralon, N. J.  
3QAU Samuel Kale..... Magnolia, N. J.  
3QAV Frederick M. Mentzer..... 1430 Market St., Harrisburg, Pa.  
3QAW Hyman Siegel..... 502 Riverside Ave., Trenton, N. J.  
3QAX Preston Stratton..... 180 Walnut St., Bridgeton, N. J.  
3QAY William L. Gardner, Jr..... 1612 N. 4th St., Harrisburg, Pa.  
3QAZ Matthew E. Unsworth..... 232 Landis Ave., Vineland, N. J.  
3ARA Albert P. McDowell, Jr..... 41 Carpenter Lane, Mt. Airy, Phila., Pa.  
3ARB Benneville S. Bertelot..... 1217 Russell Ave., Bethlehem, Pa.  
3ARC Charles R. Cathright..... 1011 G. Hickory St., Richmond, Va.  
3ARD E. E. Dorsey..... 226 Cecelia St., Cumberland, Md.  
3ARE Franklin Snyder, Jr..... 207 Station Ave., Westville, N. J.  
3ARF George W. Huff..... 1430 Rh. Is. Av. N. W., Wash., D. C.  
3ARG William B. Osmond..... 406 Orange St., Wilmington, Del.  
3ARH Arnold D. Black..... 4114 Westfield Ave., Camden, N. J.  
3ARI A. M. Wilson, Inc..... 6105 Fourth St. N. W., Wash., D. C.  
3ARJ James S. Ballantine..... New Jersey Ave., Absecon, N. J.  
3ARK Ralph M. Peffer..... Market & Dale Ave., Lemoyne, Pa.  
3ARL Gerald Farrell..... 39 Halstead St., Newton, N. J.  
3ARM John J. Danielson..... Villanova College, Villanova, Pa.  
3ARN Willard H. Russell..... Eversham St., Magnolia, N. J.  
3ARO R. W. & H. J. Curtis..... 6316 Delaware St., Chery Chase, Md.  
3ARO J. B. Davis..... 700 "G" St. S. W., Washington, D. C.  
3ARP Paul H. Sheffer..... 41 S. Queen St., York, Pa.  
3ARQ Elwood J. Dione..... 1529 Green St., Philadelphia, Pa.  
3ARR Benjamin Paul..... 322 N. Front St., Camden, N. J.  
3ARS George L. Carson..... 7823 Walker St., Philadelphia, Pa.  
3ART Ralph R. Garrick..... 126 Redfield St., Philadelphia, Pa.  
3ARU J. F. Lang..... 1918 N. Judson St., Philadelphia, Pa.  
3ARV William M. Scott..... King of Prussia Rd., Radnor, Pa.  
3ARW Edward Croll..... 2742 N. 19th St., Philadelphia, Pa.  
3ARX Nathan Fogel..... 5728 Market St., Philadelphia, Pa.

3ARY E. Humes Garber.....4514 N. 18th St., Philadelphia, Pa.  
 3ARZ Edwin R. Ristline.....119 Maple Ave., Westville, N. J.  
 3ASA Frank W. Bakley.....300-9th St., Ocean City, N. J.  
 3ASA John Moore.....Port Washington, Pa.  
 3ASE William D. Pink.....320 W. Chestnut St., W. Chester, Pa.  
 3ASD William S. Tilton.....27 Perdickis Place, Trenton, N. J.  
 3ASE Clyde E. Moser.....7 N. Georgia Ave., Atlantic City, N. J.  
 3ASF Albert H. Braun.....648 Line St., Easton, Pa.  
 3ASG Gordon H. Chambers.....3226 N. 27th St., Philadelphia, Pa.  
 3ASH William L. Malin, Jr.....7430 Boyer St., Philadelphia, Pa.  
 3ASI Phillip J. Krewett.....118 Sibley Ave., Ardmore, Pa.  
 3ASJ Robert E. Seifert.....4 Twedell St., Westville, N. J.  
 3ASK Charles H. Walton.....422 Spruce St., Philadelphia, Pa.  
 3ASL Leon Ditzgenberger.....101 Webster Ave., Downingtown, Pa.  
 3ASM George H. Shield.....2517 S. 61st St., Philadelphia, Pa.  
 3ASN Earl R. Davis.....249 Newport News Av., Hampton, Va.  
 3ASO H. A. Farnham.....100 N. Broad St., Woodbury, N. J.  
 3ASP H. L. Keller.....313 V St. NE., Washington, D. C.  
 3ASQ L. C. Hedges.....224 Fayette St., Staunton, Va.  
 3ASR Brace Bloom.....2010-14th St. N.W., Washington, D. C.  
 3ASS D. Nelson Higgins, Jr.....10 Prospect St., Norristown, N. J.  
 3AST Freeman Scott, Jr.....Broad St., Virg. Apts., Portsmouth, Va.  
 3ASU John R. Nichols.....6610 N. 6th St., Philadelphia, Pa.  
 3ASV John H. Barron, Jr.....834 N. Stricker St., Baltimore, Md.  
 3ASW Samuel Savitsky.....3022 Abell Ave., Baltimore, Md.  
 3ASX Robert Schmid.....1238 S. 17th St., Philadelphia, Pa.  
 3ASY Ernest Brooks.....2925 N. Franklin St., Philadelphia, Pa.  
 3ASZ Hugh A. Saul & Harvey R. Butt.....3657 N. 21st St., Philadelphia, Pa.  
 3ATA Samuel A. Robinson.....2815 N. Orleans St., Philadelphia, Pa.  
 3ATB David L. Cooper.....Lorraine Hotel, Norfolk, Va.  
 3ATC Charles J. Welsh.....Covesville, Va.  
 3ATD Samuel C. Fleming.....606 Sycamore St., Petersburg, Va.  
 3ATE Wm. C. Fritz.....2332 S. Lambert St., Philadelphia, Pa.  
 3ATF Meyer Vitvsky.....405 E. Ridley Ave., Ridley Park, Pa.  
 3ATG Hiram Shook.....206 W. Main St., New Holland, Pa.  
 3ATH Paul Sweeney.....222 N. 17th St., Richmond, Va.  
 3ATI Elias B. Clayton.....1133 Ferry St., Easton, Pa.  
 3ATJ Richard L. Rohrer.....40 Lincoln St., Hampton, Va.  
 3ATK Edwin Widmer.....1034 Butler St., Chester, Pa.  
 3ATL Norris Jones.....214 S. Broad St., Lititz, Pa.  
 3ATM Charles P. Addison.....2910 N. Lawrence St., Phila., Pa.  
 3ATN Arthur W. Hjorth.....301 S. Chester Rd., Swarthmore, Pa.  
 3ATO Frank E. Stanley.....1815 N. Regester St., Baltimore, Md.  
 3ATP Joseph A. Wilkins.....2020 S. Croskey St., Philadelphia, Pa.  
 3ATQ Linford Preston.....Bockus Ave., Abington, Pa.  
 3ATR Samuel Rosenthal.....Mt. Carmel Ave., North Glenside, Pa.  
 3ATS Charles O. Dowell.....324 Lindenwood Ave., Ambler, Pa.  
 3ATT Frank C. Miller.....1508 N. 10th St., Philadelphia, Pa.  
 3ATU Kenneth W. Keller.....323 E. Quarters, Fort Monroe, Va.  
 3ATV Arthur T. Thompson.....50 Delaware Ave., Morrisville, Pa.  
 3ATW Morris Goldberg.....21 Pomona St., Philadelphia, Pa.  
 3ATX William L. Terrett, Jr.....63A Lewis St., Phillipsburg, N. J.  
 3ATY Albert L. Byler.....300-15th St. SE., Washington, D.C.  
 3ATZ Cecil T. Mercer.....2 New York Ave. N.E., Wash., D. C.  
 3AU Maurice L. Walsh.....2051 Bellevue Ave., Philadelphia, Pa.  
 3AUA Joseph C. Nava.....28 Washington St., Portsmouth, Va.  
 3AUB Edward Burnside.....819 W. Lexington St., Baltimore, Md.  
 3AUC Terah A. Clayton.....1341 Walnut St., Reading, Pa.  
 3AUD Paul L. Troy.....23 S. 3d St., Darby, Pa.  
 3AUE Lester A. Seseman.....626 Main St., Danville, Va.  
 3AUF J. Richard Gainner.....2510 Jefferson St., Harrisburg, Pa.  
 3AUG Paul M. Dickey.....114 Orange St., Lititz, Pa.  
 3AUH Roland C. Nowrey.....560 W. Orange St., Lancaster, Pa.  
 3AUI Andrew G. Koehler.....1015 "K" St. N.W., Wash., D. C.  
 3AUJ Edward D. Cohn.....921 Cooper St., Camden, N. J.  
 3AUK Robin A. Frayser.....311 Wyota St., Philadelphia, Pa.  
 3AUL J. Howard Rutter.....3659-21st St., Philadelphia, Pa.  
 3AUM John Sensenig, Jr.....602 E. Broad St., Richmond, Va.  
 3AUN Andrew Kovac.....153 E. Main St., New Holland, Pa.  
 3AUO Lee E. Sammis.....148 E. Main St., New Holland, Pa.  
 3AUP Pauline B. Koepfen.....P.O. Box 290, LaGrange, Raritan, N.J.  
 3AUQ Harold Turner.....Cricket & Pine Ays., N. Glenside, Pa.  
 3AUR R. L. Gittings.....Box 3, R.F.D. No. 5, Stuart, Va.  
 3AUS Wilfred P. Lukens.....Newport, N. J.  
 3AUT Raymond Reday.....67 Lincoln Road, Phillipsburg, N. J.  
 3AUV Wilbur M. Lamb.....Main & Franklin Ave., Norristown, Pa.  
 3AW Jack Young.....111 N. 7th St., Reading, Pa.  
 3AWX Donald C. J. Kinsey.....142 F. Farmer St., Petersburg, Va.  
 3AWY Alfred H. Turner.....418 W. Miner St., West Chester, Pa.  
 3AUZ Frank A. Talone.....1040 N. 6th St., Reading, Pa.  
 3AV William Pelletreau.....2105 Lancaster St., Wilmington, Del.  
 3AVB Edward R. McCaskey.....1504 Federal St., Philadelphia, Pa.  
 3AVC Donald P. Spiller.....2537 S. Chadwick St., Philadelphia, Pa.  
 3AVD George Scott.....1677 N. 64th St., Philadelphia, Pa.  
 3AVE Reuben Kantrow.....6610 N. 6th St., Oak Lane, Pa.  
 3AVF Miss Eliz. Wheatill.....718 S. 5th St., Philadelphia, Pa.  
 3AVG Stanley O. Nutt.....1119 Divinity St., Philadelphia, Pa.  
 3AVH Norman S. Bortner.....2356 Nottingham Way, Ham. Sq., N.J.  
 3AVI W. Griffith.....102 E. Belvedere Ave., Baltimore, Md.  
 3AVJ William H. Randel.....5027 Osage Ave., Philadelphia, Pa.  
 3AVK Leroy J. Entkelt.....St. Davids Court, St. Davids, Pa.  
 3AVL Joseph W. Gellenthin.....1110 E. Lincoln St., Coatesville, Pa.  
 3AVM Howard A. Baker.....2627 N. Darien St., Philadelphia, Pa.  
 3AVN G. Albert Mershon.....18 Rigby Ave., Lansdowne, Pa.  
 3AVO Walter H. Handwerk.....14 N. Wycombe Ave., Lansdowne, Pa.  
 3AVP Richard McGlathery.....1044 Main St., Slatington, Pa.  
 3AVQ Franets Palmer, Jr.....5924 Pulaski Ave., Germantown, Pa.  
 3AVR Austin J. Thiel.....347 Spring St., Trenton, N. J.  
 3AVS Harry E. Brown.....133 Arena St., Hershey, Pa.  
 3AVT Ira J. Purdy.....R.F.D. No. 1, Broadway Westville, N.J.  
 3AVW Alfred W. Turner.....139 Wilkes-Barre Ave., Easton, Pa.  
 3AVX Edmund J. Schell.....61 Hampton St., Bridgeton, N. J.  
 3AVY Leslie L. Pippen.....54 N. 15th St., Philadelphia, Pa.  
 3AVZ Jesse K. Jones.....E. Main St., Elkton, Md.  
 3AW Theodore E. Steller.....Cornwall Ave., Lebanon, Pa.  
 3AWX John Csamay.....818 N. 25th St., Philadelphia, Pa.  
 3AWY Fred S. Powell.....136 W. Thompson St., Philadelphia, Pa.  
 3AWZ Dagobert R. Klenzie.....24 S. 61st St., Philadelphia, Pa.  
 3AW Samuel M. Brenner.....4916 Chestnut St., Philadelphia, Pa.  
 3AWA Herbert H. Lamou.....5025 Walnut St., Philadelphia, Pa.  
 3AWB James W. Havener.....2316 N. 7th St., Philadelphia, Pa.  
 3AWC Joseph W. Forsyth.....110 Merion St., W. Conshohocken, Pa.  
 3AWD Harry M. Walls.....6643 N. Lambert, Gernto'n, Phila., Pa.  
 3AWE Robert H. Crisman.....306 Oxford Rd., Brookline, Pa.  
 3AWF Isaac Rosch.....236 Monroa Rd., Brookline, Pa.  
 3AWG Leonard K. Sawyer.....556 Brookline Blvd., Brookline, Pa.  
 3AWH W. Herbert Newbold.....222 Rutgers Ave., Swarthmore, Pa.  
 3AWI Jos. T. F. Howlett.....Langhorne, Pa.  
 3AWJ Joseph Firestone, Jr.....2303 N. Broad St., Philadelphia, Pa.  
 3AWK Alfred Gersterbacher.....3135 N. Columbia Av., Philadelphia, Pa.  
 3AWL Harold E. Price.....2017 S. Croskey St., Philadelphia, Pa.  
 3AWM William J. Trethar.....242 W. Second St., Wynesboro, Pa.  
 3AWN Harold Weirman.....2353 N. 20th St., Philadelphia, Pa.  
 3AWO John Gross.....2331 N. 20th St., Philadelphia, Pa.  
 3AWP George H. Miller.....3434 N. 15th St., Philadelphia, Pa.  
 3AWQ James T. Baldwin.....1429 Pine St., Philadelphia, Pa.  
 3AWR Carroll M. Metzger.....1429 Pine St., Philadelphia, Pa.  
 3AWS Leroy Mickey & Ralph Downey.....1808 W. Passyunk Ave., Phila., Pa.

3AWT Harry L. Archey, Jr.....215 Gowen Ave., Mt. Airy, Pa.  
 3AWU Walter L. Holt.....190 W. Indiana Ave., Philadelphia, Pa.  
 3AWV Wendell W. Patten, Jr.....Torpedo Test. B'ge No. 3, Yorktown, Va.  
 3AWW William W. Koehersperger.....428 E. Moyer St., Philadelphia, Pa.  
 3AWX William L. Scott.....38 Lincoln St., Hampton, Va.  
 3AWY William W. DePue.....9 Trinity St., Newton, N. J.  
 3AWZ Maxwell E. Smolin.....3135 Euclid Ave., Philadelphia, Pa.  
 3AX Irving R. Sarbacher.....2644 N. Maryland Ave., Balto., Md.  
 3AY Jesse J. Cole.....1500 N. Frazier St., West Phila., Pa.  
 3AZ Edward F. Pond, Jr.....2569 S. 67th St., Philadelphia, Pa.  
 3BA Victor J. Bradford.....205 New Jersey Ave., Anglesa, N. J.  
 3BA Wilson Hallowell.....2237 Coral St., Philadelphia, Pa.  
 3BAB Charles S. Perkins.....337 1/2 N. 11th St., Reading, Pa.  
 3BAC August Saroky.....1720 DeLancy St., Philadelphia, Pa.  
 3BAD Harry Brill.....300 W. York St., Philadelphia, Pa.  
 3BAE Herbert S. Voelme.....1561 E. Montgomery St., Phila., Pa.  
 3BAF Joseph C. Steiger.....3048 N. 7th St., Philadelphia, Pa.  
 3BAG Edw. E. Pringle.....627 Lexington Pl. NE., Wash., D. C.  
 3BAH George G. Murr.....27 Harrison St., York, Pa.  
 3BAI George Smith.....2058 Dauphin St., Philadelphia, Pa.  
 3BAJ Arthur L. Hartman.....Newport, N. J.  
 3BAK Eric L. Binderwald.....503 Highland Ave., Westville, N. J.  
 3BAL Gardner W. Kimball.....79 S. Wycombe Ave., Lansdowne, Pa.  
 3BAM Charles E. King.....3626 York Road, Baltimore, Md.  
 3BAN John B. Roll.....9 Rockview Terrace, N. Philadelphia, N. J.  
 3BAO William C. Weaver.....240 S. Chancellor St., Newton, Pa.  
 3BAP John W. Maxwell, 3d.....425 Lancaster St., E. Downingtown, Pa.  
 3BAQ Clarence and Blair Dreisbach.....614 N. 5th St., Allentown, Pa.  
 3BAR Nelson K. Flite.....6207 Fairhill St., Philadelphia, Pa.  
 3BAS Frank F. Dern, Jr.....1935 N. 22d St., Philadelphia, Pa.  
 3BAT William M. McKie.....1350 Pine St., Philadelphia, Pa.  
 3BAU Phillip F. Fifer.....128 Lismore Ave., Glenside, Pa.  
 3BAV Katzenbach & Co.....35 E. State St., Trenton, N. J.  
 3BAW Bernard V. Miller.....4818 Beaumont St., Philadelphia, Pa.  
 3BAX Radio Construction Co.....542 Irving St., Washington, D. C.  
 3BAY Edward Bradnock.....Haddonfield, N. J.  
 3BAZ Robert E. Stewart.....1912 W. Glenwood Ave., Phila., Pa.  
 3BB John Mooney, Jr.....2903 W. Girard Ave., Philadelphia, Pa.  
 3BBA Edw. Y. Goldsborough.....711 Euclid Av., Roland Pk., Balt., Md.  
 3BBB William Stinson.....2107 N. 17th St., Philadelphia, Pa.  
 3BBC Charles M. Nelbleh.....326-21st St., Baltimore Md.  
 3BBD Joseph Heinlinger.....440 W. Somerset St., Philadelphia, Pa.  
 3BBE Charles L. Zimmerman.....Catauba Sanatorium, Virginia  
 3BBF Kenneth E. Brader.....164 St. Joseph St., Easton, Pa.  
 3BBG Chester E. Gill.....178 Speedwell Ave., Norristown, N. J.  
 3BBH Jesse P. McNeal, Jr.....111 Peyton St., Haddonfield, N. J.  
 3BBI Merritt L. Pike.....Crown Pt. & River Rd., Thorofare, N.J.  
 3BBJ Charles S. Skillen.....614 S. 59th St., Philadelphia, Pa.  
 3BBK Stanley V. Bigger.....Woodlawn P. O., Baltimore, Md.  
 3BBL Thomas W. Mumford.....5901 Cedar Ave., Philadelphia, Pa.  
 3BBM John W. Beemer.....2000 Arch St., Philadelphia, Pa.  
 3BBN George D. Bowers.....R.F.D. No. 2, Media, Pa.  
 3BBO D. H. Friedman.....1710 N. Franklin St., Phila., Pa.  
 3BBP H. W. Driscoll, Jr.....2803 Hillside Ave., Baltimore, Md.  
 3BBQ George A. Miller.....1114 W. Franklin St., Phila., Pa.  
 3BBR Oliver Bishop.....2545 S. Sartin St., Philadelphia, Pa.  
 3BBS Charles R. Pilkington.....1120 S. Paxon St., Philadelphia, Pa.  
 3BBT R. B. Batte.....916 Raleigh Ave., Norfolk, Va.  
 3BBU Harry W. Souders.....112 S. Main St., Phillipsburg, N. J.  
 3BBV C. B. Grinn.....1940 Bellevue St., Harrisburg, Pa.  
 3BBW Forrest Calhoun.....2664 Presbury St., Baltimore, Md.  
 3BBX Samuel Fisher.....6051 Spruce St., Philadelphia, Pa.  
 3BBY William R. Fosshell.....1403 Bond St., Baltimore, Md.  
 3BBZ Theodore H. Read, Jr.....4246 Regent St., West Phila., Pa.  
 3BC Charles A. Roberts.....2051 N. Lawrence St., Philadelphia, Pa.  
 3BCA John Gauchens.....19 Cricket Terrace, Ardmore, Pa.  
 3BCB Jack H. Nesselhaier, Jr.....214-5th St., Chester, Pa.  
 3BCC Edwin M. Ranta.....4928 Chestnut St., Philadelphia, Pa.  
 3BCD Russell K. Johnson.....123 N. Laurel St., Bridgeton, N. J.  
 3BCE F. P. Amsden, Jr.....107 Rely St., Harrisburg, Pa.  
 3BCF Albert Reitz.....3006 Janney St., Philadelphia, Pa.  
 3BCG H. J. Jess.....Box 132, Annapolis, Md.  
 3BCH W. H. Birdsong.....209 Grove Ave., Petersburg, Va.  
 3BCI L. H. Pierce, Jr.....8528 Cuyera Ave., West Philadelphia, Pa.  
 3BCJ Walter O. Schwaner.....207 William St., Boonton, N. J.  
 3BCK Marlon A. Garmhausen.....516 W. 27th St., Baltimore, Md.  
 3BCL F. W. Donaldson.....2112 E. Susquehanna Ave., Philadelphia, Pa.  
 3BCM G. J. Corenluis.....6120 Jackson St., Philadelphia, Pa.  
 3BCN W. Sloan, Jr.....5846 Woodbine Ave., Philadelphia, Pa.  
 3BCO Edward A. Neger.....812 W. Montgomery Ave., Phila., Pa.  
 3BCP Francis Richardson.....435 S. Orange St., Media, Pa.  
 3BCQ Carl O. Berger.....308 Cynwyd Ave., Cynwyd, Pa.  
 3BCR F. H. Williams.....101 S. Amherst St., Ventnor, City, N. J.  
 3BCS Angus Carey.....6155 Spruce St., Philadelphia, Pa.  
 3BCT L. Niemann, Jr.....2729 N. Fifth St., Philadelphia, Pa.  
 3BCU Fred Loeffler, Jr.....3734 Frankford Ave., Philadelphia, Pa.  
 3BCV Serrill Gibson.....2 Haws Ave., Ardmore, Pa.  
 3BCW R. C. Burleson.....61st & E. Capitol St., Washington, D. C.  
 3BCX Ethelwood S. Shider.....1624 Hoffman St., Baltimore, Md.  
 3BCY T. D. Winters.....1125 Peach St., Philadelphia, Pa.  
 3BCZ Harry D. Tomer.....Carpenterville, N. J.  
 3BD Willard Ler. Anspach.....53 W. Sharpnack St., Philadelphia, Pa.  
 3BDA C. E. Vicker.....225 E. Allen St., Philadelphia, Pa.  
 3BDB F. Barlow.....26 Pardickis Place, Trenton, N. J.  
 3BDL Daniel Atrash.....1723 Porter St., Philadelphia, Pa.  
 3BDL Harry Love.....133 S. 59th St., Philadelphia, Pa.  
 3BDE Harry Cunin.....727 Brown St., Philadelphia, Pa.  
 3BDF Evans Duemler.....Cluvenok Ave., Cornwells, Pa.  
 3BDG George K. Stricker.....210 W. Jackson St., York, Pa.  
 3BDH April Anderson.....921 Marlborough St., Philadelphia, Pa.  
 3BDI Edward S. Ciammer.....422 Douglas St., Reading, Pa.  
 3BDJ Alfred Grunwald.....1229 Fairmount Ave., Philadelphia, Pa.  
 3BDK Charles A. Bteuel.....43 S. Hare St., Baltimore, Md.  
 3BDL George E. Fredericks.....1426 W. Norris St., Philadelphia, Pa.  
 3BDM Edward Uzumeki.....300 Wharton St., Philadelphia, Pa.  
 3BDO Lewis Bokser.....1518 N. 8th St., Philadelphia, Pa.  
 3BDP R. U. Walte.....North West Ave., Vineland, N. J.  
 3BDQ Reading Radio Club.....8th & Green Sts., Reading, Pa.  
 3BDR Andrew B. Lucas.....1336-30th St., Newport News, Va.  
 3BDS Mahon W. Garrison.....15 N. Pearl St., Bridgeton, N. J.  
 3BDT Samuel Snyder.....8 Marston Terrace, Atlantic City, N. J.  
 3BDU Ray Y. Leonard.....126 Speedwell Ave., Norristown, N. J.  
 3BDV Radnor High School Radio Club.....Widener St., Philadelphia, Pa.  
 3BDW Lewis Johnson.....18 Fayette St., Bridgeton, N. J.  
 3BDX Frank B. Coppel.....14 W. 3d St., Media, Pa.  
 3BDY Frank E. Ford.....428 E. Washington St., Media, Pa.  
 3BDZ Anthony W. Conger.....13 W. 3d St., Media, Pa.  
 3BE S. N. Howell.....401 Bullitt Ave., Roanoke, Va.  
 3BEA Frederick R. Gooding.....1604 Broome St., Wilmington, Del.  
 3BEB Malford Brandt.....726 Grant St., Camden, N. J.  
 3BEC Lee E. Worrall.....W. 3d St., Media, Pa.  
 3BED Arthur M. Young.....Hares Lane, Radnor, Pa.  
 3BEE Alban Kehr.....5518 Irving St., Philadelphia, Pa.  
 3BEF Alexander Wilson.....R.F.D. 2, Middleton Rd., Media, Pa.  
 3BEG Joseph I. Malloy.....1719 Wyle St., Philadelphia, Pa.  
 3BEH John A. Doerwecker.....719 Belgrade St., Philadelphia, Pa.  
 3BEI H. M. & Wm. T. Gerson.....25 N. Cornwall St., Ventnor, N. J.  
 3BEJ William W. Filson.....253 E. Atlantic Ave., Audubon, N. J.  
 3BEK Francis C. Hopkins.....2431 Fairmount Ave., Philadelphia, Pa.



3BEK Conrad F. Bond.....8th Ave., Collegetown, Pa.  
 3BEL Robert O. Hartman.....703 Clifton Ave., Collingdale, Pa.  
 3BEM Charles A. Sauerwin.....35 S. 9th St., Allentown, Pa.  
 3BEN James M. Saddington.....510 Oak Lane, Philadelphia, Pa.  
 3BEO Donald Keller.....Cor. Broad & Main, Trumbauersville, Pa.  
 3BEP Albert E. Cowell.....38 S. 12th St., Easton, Pa.  
 3BEQ Edmond Bruce.....731 Rock Creek Rd., Washington, D.C.  
 3BEK John A. Pool.....114 Montgomery Ave., Ardmore, Pa.  
 3BES Henry Lehmanberg.....3832 N. Percy St., Philadelphia, Pa.  
 3BET Merle Hilborn.....133-61st St., Philadelphia, Pa.  
 3BEU Charles H. Howson, Jr.....134 Walnut Ave., Wayne, Pa.  
 3BEV John H. Ruchton.....112 Rummyside Ave., Wayne, Pa.  
 3BEW Clifford H. Oakley.....332 Riverside Ave., Trenton, N. J.  
 3BEX Frank V. Vogel.....Third St., West Easton, Pa.  
 3BEY Rollin Jones.....940 Front St., Reading, Pa.  
 3BEZ Harry J. McWade.....2043 N. 12th St., Philadelphia, Pa.  
 3BF Gordon M. Christine.....26 Hillcrest Rd., Watchung, N. J.  
 3BFA Thomas G. Borden.....1215 Newton, NE., Washington, D. C.  
 3BFB Portsmouth Y. M. C. A.....925 High St., Portsmouth, Va.  
 3BFC Henry F. Stoughton.....1907 Girard Ave., Philadelphia, Pa.  
 3BFD Edwin Miller.....6036 Locust St., Philadelphia, Pa.  
 3BFE Clarence B. Lewis.....Profit, Va.  
 3BFF Lawrence Cumberley.....80 Hudson St., Trenton, N. J.  
 3BFG Caleb Phipps.....20 Hillside Ave., Ventnor, N. J.  
 3BFH David Stretch.....207 Academy St., Trenton, N. J.  
 3BFI Frank Knight.....4475 Green St., Germantown, Philadelphia, Pa.  
 3BFJ Watson M. Corson.....261 W. Calpler St., Philadelphia, Pa.  
 3BFK Alfred H. Miller.....6439 Jefferson St., Philadelphia, Pa.  
 3BFL Louis W. Moxey.....7437 Sprague St., Philadelphia, Pa.  
 3BFM Henry P. Gilbert, Jr.....723 Emmet St., Portsmouth, Va.  
 3BFN Frank B. Uphoff.....1335 Kerbaugh St., Philadelphia, Pa.  
 3BFO Charles E. McFadden, Jr.....114 Jackson St., Collingdale, Pa.  
 3BFP Walter F. Paca.....3529 Ella St., Philadelphia, Pa.  
 3BFQ Nicolas C. Henwood.....717 S. 63d St., Philadelphia, Pa.  
 3BFR Julius Brodman.....1959 Patton St., Philadelphia, Pa.  
 3BFS Frederic L. Meyers.....234 Atlantic St., Bridgeton, N. J.  
 3BFT Harold I. Polbems.....504 S. Main St., Hightstown, N. J.  
 3BFU Matthew G. McCoy.....19th & Atlantic Ave., Longport, N. J.  
 3BFV Russell S. Obl.....Robesonla, Pa.  
 3BFW Jack J. Whelan.....8 S. Montpelier Av., Atlantic City, N. J.  
 3BFX Carl J. Wenzinger.....3136 N. Front St., Philadelphia, Pa.  
 3BFY Norman R. Evans.....R. F. D. No. 1, Glassboro, N. J.  
 3BFZ Roy Ward.....500 Morton St., Ridley Park, Pa.  
 3BG Paul C. Peterson.....Hock Rd. & Ashland, Folcroft, Pa.  
 3BGA Walter K. Hoffman.....New St., Freemansburg, Pa.  
 3BGB Harry W. Money.....5042 Ogden St., Philadelphia, Pa.  
 3BGC Page W. Kille.....Elm St., S. Westville, N. J.  
 3BGD Samuel Spitzer.....17 Huntington St., Rutherford Hgts., Pa.  
 3BGE Norman Kramer.....Main & Tioqa Sts., Rutherford Hgts., Pa.  
 3BGF Earl E. Kiline.....144 E. Philadelphia St., York, Pa.  
 3BGO Russell E. Pichty.....320 W. York Ave., York, Pa.  
 3BGH Richard Burgard.....310 N. West St., York, Pa.  
 3BGI George Stevens.....140 Paris St., Sea Isle City, N. J.  
 3BGJ Isaac E. Brandt.....823 Walnut St., Lebanon, Pa.  
 3BGK Paul S. Fox.....6th & East St., West Easton, Pa.  
 3BGL Theodore G. Koenig.....Denville, N. J.  
 3BGM Edward M. Simon.....Cor. Gay & Walnut, W. Chester, Pa.  
 3BGN Alfred Matthews, Jr.....210-6th St., West Cape May, N. J.  
 3BGO Howard Adams, Jr.....Jessup, Md.  
 3BGP Norman M. Brooks.....9 Fayette St., Staunton, Va.  
 3BQQ Russell H. Emley.....887 E. State St., Trenton, N. J.  
 3BGR Paul A. Sweeney.....40 Lincoln St., Hampton, Va.  
 3BGS John P. Hyde.....Bristow, Va.  
 3BGT Castner S. Risley.....Rumson & Ventnor Aves., Atl. City, N. J.  
 3BGU Maurice W. Sloan, Jr.....23d Ave., Longport, N. J.  
 3BGV Percy G. Clice.....20 Front St., Cumberland, Md.  
 3BGW Stuart M. Barnette.....203 N. State St., Dover, Del.  
 3BGX Leonard S. Jones.....333 Locust St., Hampton, Va.  
 3BGY Paul T. Hastings.....E-27 Building, Camp Meade, Md.  
 3BGZ Conrad M. Gilbert, 3d.....5 Haddon Ave., Collingswood, N. J.  
 3BH Saml. Wilson Place.....622 Stanbridge St., Norristown, Pa.  
 3BHA Harold G. Greig.....822 Broad St., Collingdale, Pa.  
 3BHB Jack Alter.....2738 N. 6th St., Philadelphia, Pa.  
 3BHC Wm. H. Reith.....4913 Ogden St., Philadelphia, Pa.  
 3BHD John A. Bullock, Jr.....Rost Rd., Trainer, Pa.  
 3BHE John E. Phillips.....911 Market St., Marcus Hook, Pa.  
 3BHF Charles Hutchenison.....1128 Tree St., Philadelphia, Pa.  
 3BHG William P. Walter.....1948 E. Chelton Av., Philadelphia, Pa.  
 3BHH Abraham R. Libby.....2745 Fifth St., Philadelphia, Pa.  
 3BHI Ray E. Zeltger.....1116 State St., Harrisburg, Pa.  
 3BHJ Albert J. Hesson.....Box No. 2, Green Lane, Pa.  
 3BHK Robert Strayer.....R. F. D. 6, Burlington, Bridgeton, N. J.  
 3BHL Fred T. Bradley.....St. George Ave., Croft, Va.  
 3BHM Hugh H. Waschke.....6105 Fourth St., NW, Wash., D. C.  
 3BHN Earl W. Preston.....38 High St., Trenton, N. J.  
 3BHO Herbert P. Bryant.....304 Rittenhouse St., Washington, D. C.  
 3BHP Robert F. Gerbrick.....2118 Hicks St., Philadelphia, Pa.  
 3BHQ Norman J. McCabe.....716 Powell St., Gloucester, N. J.  
 3BHR Alfred L. Elliott.....27 Summit Ave., N. Plainfield, N. J.  
 3BHS Peter T. Perdue.....718 Delaware St., Salem, Va.  
 3BHT Wilson T. McClanen.....6122 Musgrave St., Philadelphia, Pa.  
 3BHU Frank Masho.....Charles St., Oak View, Pa.  
 3BHV Russell E. Banker.....300-11th St. NE., Washington, D. C.  
 3BHW George E. Owens.....430-39th St., West Philadelphia, Pa.  
 3BHX Arthur F. Ruff.....411 Ingleside Ave., Catonsville, Md.  
 3BHY James N. Williams.....2327 Hanover St., Richmond, Va.  
 3BHZ Edward Elsels, Jr.....4941 N. Second St., Philadelphia, Pa.  
 3BI William Bernhard.....2119 W. Fairmont Av., Baltimore, Md.  
 3BIA John H. Wild.....Box 605, State St., Newtown, Pa.  
 3BIB Maurice H. Griscom.....Neshanic, N. J., Neshanic, N. J.  
 3BIC Charles K. Krause.....1912 Market St., Harrisburg, Pa.  
 3BID Ashby L. Groves.....Brooks, Va.  
 3BIE George J. Gross.....916 E. North Ave., Baltimore, Md.  
 3BIF John C. Holby.....39 Lincoln St., Lansdowne, Pa.  
 3BIG John Hays, Jr.....301 N. Hanover St., Carlisle, Pa.  
 3BIH H. Wilbur Brown.....5203 N. 11th St., Philadelphia, Pa.  
 3BII Albert Bowers.....625 E. Chestnut St., York, Pa.  
 3BIJ Walter R. Selden.....201 E. Franklin St., Richmond, Va.  
 3BIK Clayton A. Smith.....66 S. Bridge St., Somerville, N. J.  
 3BIL John E. Keene.....128 Walnut St., Mont Clare, Pa.  
 3BIM Harry N. G. Kline.....2916 N. 16th St., Philadelphia, Pa.  
 3BIN Louis R. Enslin.....1831 N. 21st St., Philadelphia, Pa.  
 3BIO Edward Polst.....51 E. Randall St., Baltimore, Md.  
 3BIP Penna. Military College.....E. 14th St., Chester, Pa.  
 3BIQ John E. Armstrong.....5356 Delancey St., Philadelphia, Pa.  
 3BIR Elwood L. Clemmer.....642 Haws Ave., Norristown, Pa.  
 3BIS Arthur Lovett.....412 Bank St., Cape May, N. J.  
 3BIT Samuel E. Fraim, Jr.....802 N. Duke St., Lancaster, Pa.  
 3BIU Otis Minnick.....42 Fairview Ave., Cumberland, Md.  
 3BIV Elwood Leminger.....820 Elm St., Reading, Pa.  
 3BIW Henry K. Kappel.....2826 N. Warnock St., Philadelphia, Pa.  
 3BIX Earl W. Furlow.....238 N. Mulberry St., Lancaster, Pa.  
 3BIY Francis E. Maddox.....106 Church Ave., Roanoke, Va.  
 3BIZ Henri G. Omwake.....440 College Ave., Lancaster, Pa.  
 3BJ James Marx.....932 N. 5th St., Reading, Pa.  
 3BJA Bayard P. Fonda.....Sudbrook Park, Md.  
 3BJB John P. M. Haas.....1538 W. Lanvale St., Baltimore, Md.

3BJC Roy C. Pelham.....1224 Harrison St., Philadelphia, Pa.  
 3BJD John H. Lummemann.....2950 Germantown Av., Philadelphia, Pa.  
 3BJE Shirley B. Knapp.....Edgewood Arsenal, Edgewood, Md.  
 3BJF J. Emerson Crowley.....25 S. California St., Atlantic City, N. J.  
 3BJG Elmer Bishop.....2410 N. 18th St., Philadelphia, Pa.  
 3BJH Benjamin Bertolet, 2d.....2112 Columbia Ave., Philadelphia, Pa.  
 3BJI Orion G. Albert.....667 Preston St., Philadelphia, Pa.  
 3BJJ Milton Morse.....229 N. Broad St., Trenton, N. J.  
 3BJK James W. Burn.....203 W. 24th St., Chester, Pa.  
 3BJL F. A. Loring.....256 N. Main St., Ford, Pa.  
 3BJM Howard B. Allen, Jr.....63 E. Horter St., Philadelphia, Pa.  
 3BJN John F. Fluher.....104 Suequehanna St., Philadelphia, Pa.  
 3BJO Leroy Ritter.....2415 S. Sartain St., Philadelphia, Pa.  
 3BJP William B. Atmore.....Clementon, N. J.  
 3BJQ George L. Cook.....Woodmont, Pa.  
 3BJR Arthur K. Ransom.....Rehoboth Beach, Del.  
 3BJS F. Lynwood Steinbright.....636 Stanbridge St., Norristown, Pa.  
 3BJT John B. Dickel.....710 E. End Ave., Lancaster, Pa.  
 3BJU Floris C. Van Reuth.....5210 Harford Rd., Baltimore, Md.  
 3BJV William H. Field.....109 W. Mulberry St., Pleasantville, N. J.  
 3BJW Harold O. Bixby, 2d Lieut.....Sherwood Inn, Fort Monroe, Va.  
 3BJX John R. Reiner.....704 E. End Ave., Lancaster, Pa.  
 3BJY Robert J. Littler.....5856 Windsor St., Philadelphia, Pa.  
 3BJZ Merrill W. Darcey.....4843 Wincosin Ave., Washington, D. C.  
 3BK Rev. Arthur K. Wilson.....Main St., Bloomsburg, N. J.  
 3BKA Major J. H. Clinton.....124 N. Iowa Av., Atlantic City, N. J.  
 3BKB George Selzer, Jr.....51 Colonial St., Trenton, N. J.  
 3BKC William P. Demary.....920 "G" St. SW, Washington, D. C.  
 3BKD Ferdinand A. Berger.....70 Eastern Ave., Somerville, N. J.  
 3BKE R. E. Pulasik.....53 Lewis Ave., E. Lansdowne, Pa.  
 3BKF Charles E. Bream.....504 W. Atlantic Ave., Audubon, N. J.  
 3BKG Samuel Gross.....1227 Seventh St., Philadelphia, Pa.  
 3BKH Richard R. Halpenney.....165 "V" St. NE., Washington, D. C.  
 3BKJ John A. Mills.....421 Walnut St., Lebanon, Pa.  
 3BKK John H. Arthur.....16 Main St., Millville, N. J.  
 3BKL Kenneth L. Blamey.....403 W. North Ave., York, Pa.  
 3BKM Virgil M. D. March.....2647 Westfield Ave., Camden, N. J.  
 3BKN William P. Wilson.....702 N. Queen St., Lancaster, Pa.  
 3BKO Charles E. Rauch.....941 Cumberland St., Lebanon, Pa.  
 3BKP John C. Racons.....1112 Duly St., Philadelphia, Pa.  
 3BQQ Haverford T. H. S. Radio Club.....Eagle Rd., Oakmont, Pa.  
 3BKR William J. Duffy.....Villanova College, Villanova, Pa.  
 3BKS James Doyle.....712 Walker Ave., Towson, Md.  
 3BKD Dana B. Johannes.....6125 Georgia Ave., NW, Wash., D. C.  
 3BKU Robert W. Andrews.....1749 Park Rd., Washington, D. C.  
 3BKV John P. Miller.....216 S. 10th St., Philadelphia, Pa.  
 3BKW Brewster H. Marshall.....3363-18th St. NW, Wash., D. C.  
 3BKX Lloyd M. Knoll.....146 W. Main St., Salem, Va.  
 3BKY Kenneth Parks.....6120 Carpenter St., Philadelphia, Pa.  
 3BZZ Walter A. Powell.....447 Royden St., Camden, N. J.  
 3BL Raymond O. Riffle.....Frederick St., Littleton, Pa.  
 3BLB Elwood C. Boote.....231 N. 4th St., Reading, Pa.  
 3BLC Floyd J. Rice.....1519 Shipman St., Bethlehem, Pa.  
 3BLD Clarence F. Hoisopple.....27 Main St., Quakertown, Pa.  
 3BLE Murrill W. Hilderth.....107 Pine St., Bridgeton, N. J.  
 3BLF C. Russ Hofmann.....202 Addison St., Richmond, Va.  
 3BLG Thomas S. McCaleb.....717 Redgate Ave., Norfolk, Va.  
 3BLH William D. Pratt.....1901-12th St., Philadelphia, Pa.  
 3BLI Charles H. Hess.....2122 N. Ueber St., Philadelphia, Pa.  
 3BLJ John C. Schwartz.....1837 E. Lafayette Ave., Baltimore, Md.  
 3BLK Haddonfield High School.....Lincoln & Chestnut, Haddonfield, N. J.  
 3BLL John H. Shephard, Jr.....2252 N. Lambert St., Phila., Pa.  
 3BLM Anthony S. Billotta.....1418 Ellsworth St., Philadelphia, Pa.  
 3BLN Philip Shapiro.....2606 S. Jessup St., Philadelphia, Pa.  
 3BLO William Gimpel.....1515 Ritner St., Philadelphia, Pa.  
 3BLP Donald E. Wilbur.....728 Delaware Ave., Bethlehem, Pa.  
 3BLQ Harold Treloar.....Cornwall, Pa.  
 3BLR Earl W. Dannals.....2708 S. 10th St., Philadelphia, Pa.  
 3BLS Gaetano A. P. DiMeo.....1544 McKean St., Philadelphia, Pa.  
 3BLT John McLaughlin.....2853 Bondinot St., Philadelphia, Pa.  
 3BLU Lyman D. Warner.....10 Millbrook Ave., Haverford, Pa.  
 3BLV Clete A. DeLuce.....219 W. 8th St., Wilmington, Del.  
 3BLW Clarence A. Addis.....233 W. Pine Ave., Wildwood, N. J.  
 3BLX Fred T. Baker.....802 Winton Ave., Baltimore, Md.  
 3BLY Harold R. David.....656 Linden Ave., York, Pa.  
 3BLZ Franklyn J. Wolf.....600 Ingham Ave., Trenton, N. J.  
 3BM Leonard K. Pillsbury.....Washington Market Bldg., Trenton, N. J.  
 3BMA Leonard Mayers.....3809 Hollybeach Ave., Wildwood, N. J.  
 3BMB Alton R. Bowen.....15 Greenway St., Pleasantville, N. J.  
 3BMC R. R. Creighton.....227 Virginia Ave., Audubon, N. J.  
 3BMD Paul Gephart.....121 Gay St., Pottsville, Pa.  
 3BME Arnold Goldberger.....1842-17th St., Philadelphia, Pa.  
 3BMF William Morrison.....2634 Amber St., Philadelphia, Pa.  
 3BMG Claude P. Burt.....101 & Poplar St., Moorestown, Pa.  
 3BMH Ernie Seltzer.....1857 N. 17th St., Philadelphia, Pa.  
 3BMI Karl F. Klingelhoeffer.....916 Belmont Ave., Philadelphia, Pa.  
 3BMJ George R. Lenhart, Jr.....4013 Spring Garden St., Phila., Pa.  
 3BMK Claude V. Lyon.....5308 Haerford Ave., Philadelphia, Pa.  
 3BML A. LaMont Burst.....3730-35th St., Mt. Rainier, Md.  
 3BMM Donovan Geyer.....112-8th St., Reading, Pa.  
 3BMN Raymond J. Cart.....617 Union Ave., Petersburg, Va.  
 3BMO George T. Phillips, Jr.....210 Goodwood Gardens, Baltimore, Md.  
 3BMP John J. Guinan.....2303 Thompson St., Philadelphia, Pa.  
 3BMQ Jesse H. Naylor.....Erial Rd., Clementon, N. J.  
 3BMR Andrew J. Thornber.....1855 N. 28th St., Philadelphia, Pa.  
 3BMS George F. Hall.....133 E. Gorgas Lane, Philadelphia, Pa.  
 3BMT Harold B. Stott.....4325 Otter St., W. Philadelphia, Pa.  
 3BMU James W. Bayless.....239 Hook Rd., Sharon Hill, Pa.  
 3BMV Clarence I. Chapman.....1810 Waverly St., Philadelphia, Pa.  
 3BMW Frank J. Holzheimer.....5167 Ogden St., Philadelphia, Pa.  
 3BMX Joseph H. Mallon.....143 Gorka Lane, Philadelphia, Pa.  
 3BMY Clifford Bates.....928 Pearl St., Camden, N. J.  
 3BMZ Gilbert Kanpp, Jr.....948 Linden St., Camden, N. J.  
 3BN Unassigned  
 3BNA Frederick Teal.....5327 Parris St., Philadelphia, Pa.  
 3BNE Ernest Waterhouse.....4324 Fairhill St., Philadelphia, Pa.  
 3BNC William A. Bramhall.....2102 "H" St. NW, Washington, D. C.  
 3BND Charles S. R. Rowe.....646 Lexington Pl., Washington, D. C.  
 3BNE Henry Kroskin.....1044 Highland Ave., Norfolk, Va.  
 3BNF Herbert W. Squires.....Fort Monroe, Va.  
 3BNG Arthur E. Poorman.....168 Second St., Highspire, Pa.  
 3BNH Clifford C. Baker.....Quakertown, Pa.  
 3BNI Ernest R. Kimball.....Box No. 147, Branchville, N. J.  
 3BNJ Willie R. Graves.....103 S. Dover St., Atlantic City, N. J.  
 3BNK Bernard C. Keinard.....373 Second Ave., Phoenixville, Pa.  
 3BNL John W. Fulmer.....130 S. 10th St., Easton, Pa.  
 3BNM Robert M. Kasey.....322 Main St., Salem, Va.  
 3BNO Eugene Bosteur.....3003 Broad St., Richmond, Va.  
 3BNP Jean L. Tower.....35 E. State St., Trenton, N. J.  
 3BNQ E. Rossiter Pat.....343 High St., Pottstown, Pa.  
 3BNR Warren G. Armstrong.....333 High St., Pottstown, Pa.  
 3BNS Elmer Middleton, Jr.....40 West End Ave., Trenton, N. J.  
 3BNT Phillip S. Klein.....548 W. James St., Lancaster, Pa.  
 3BNU Asher E. Dennis.....1314 Ferry St., Easton, Pa.  
 Oscar A. Hickey.....22 W. Fairview St., Bethlehem, Pa.

3BNV William H. Clark ..... 236 Speedwell Ave., Morristown, N. J.  
 3BNW John E. Rawlinson ..... 244 Water St., York, Pa.  
 3BNX Douglas E. Hunt ..... 639 Belmont St., Easton, Pa.  
 3BNY George S. Townsley ..... 331 W. Main St., New Holland, Pa.  
 3BNZ Joseph Mazerski ..... 1622 Clement St., Baltimore, Md.  
 3BO Gordon Kressel ..... 1404 Baird Ave., Camden, N. J.  
 3ROA George R. McMahon ..... 5028 Onden St., Philadelphia, Pa.  
 3ROB Howard J. Gibson ..... Rollins & State Sts., Springfield, Pa.  
 3ROC Clark Taylor ..... 7099 Erie Farm Lane, Pa.  
 3ROD G. F. Fennell ..... 553 E. Mayland St., Germantown, Philadelphia, Pa.  
 3ROE Francis G. Huss ..... 835 Cheltenham Rd., Philadelphia, Pa.  
 3ROF Edgar Harrison ..... 1006 Cameron St., Alexandria, Va.  
 3ROG Thomas H. Magness, Jr. .... 14 E. Reid St., Baltimore, Md.  
 3ROH Armand F. Jones ..... 3006 Pacific Ave., Atlantic City, N. J.  
 3ROI Albert A. Eaches ..... S.E. Cor. Gay & Griffin, Phoenixville, Pa.  
 3ROJ Orlando C. Smith ..... 24 Eleuth St., Quakertown, Pa.  
 3ROK George E. Hower ..... 64 Wall St., Bethlehem, Pa.  
 3ROL Walter Little ..... 2321 Hicks St., Philadelphia, Pa.  
 3ROM George E. Schmutz ..... 1925 N. Croskey St., Philadelphia, Pa.  
 3RON Nunzio Sorrentino ..... 819 Sears St., Philadelphia, Pa.  
 3ROO Louis Treen ..... 2125 N. 5th St., Philadelphia, Pa.  
 3ROP Louis W. Zindel ..... Berlin Rd., Clementon, N. J.  
 3ROQ Alan P. Fort ..... 414 W. Stafford St., Germantown, Pa.  
 3ROS G. Mansfield Upton ..... 46 W. Washington St., Germantown, Pa.  
 3ROT Carl J. Mondrosch ..... 2430 Seybert St., Philadelphia, Pa.  
 3ROU Milton H. Low ..... 931 Point St., Camden, N. J.  
 3ROV Edward M. Werner ..... 2036 Russell St., Philadelphia, Pa.  
 3ROW Snowden J. Strobel ..... 3923 N. 6th St., Philadelphia, Pa.  
 3BOW John DeFonso ..... 2530 S. Jessup St., Philadelphia, Pa.  
 3BOX Horace P. Deacon, Jr. .... 5904 Wayne Ave., Philadelphia, Pa.  
 3BOY Ernest S. Frey ..... 336 Lemon St., Lancaster, Pa.  
 3BOZ William E. Frisbie ..... QRS, 113 West Fortness Monroe, Va.  
 3BP Edward B. Patterson ..... 42 W. Walnut Ave., Merchantville, N.J.  
 3BPA Stanley Glaser ..... 249 Macomb St., Washington, D. C.  
 3BPB Frank W. Unterberger ..... 13 League St., Philadelphia, Pa.  
 3BPC Henry Kunzmann ..... Fortness Monroe, Va.  
 3BPD Motor Parts Service ..... 1425 N. Broad St., Philadelphia, Pa.  
 3BPE Charles O. Wilson ..... 1640 "W" St. SE., Washington, D.C.  
 3BPF George M. Phillips ..... 413 E. Capitol St., Washington, D. C.  
 3BPG Charles W. Pfeiffer ..... 434 N. Patterson Pk. Av., Balto., Md.  
 3BPH Russell W. Flinger ..... 448 Royden St., Camden, N. J.  
 3BPI George R. Barker ..... 536 Sixth St. SE., Washington, D. C.  
 3BPJ Edward F. Samaha ..... 8 Eldridge Pl., Atlantic City, N. J.  
 3BPK Franz C. Nagel ..... 357 "N" St. SW., Washington, D. C.  
 3BPL Harry W. Brown ..... 122 Nassau St., Princeton, N. J.  
 3BPM Ralph R. Garrek ..... 126 N. Redfield St., Philadelphia, Pa.  
 3BPN Howard Steiner ..... 1425 Gorsuch Ave., Baltimore, Md.  
 3BPO Zeno R. Wright ..... 610-6th St. NE., Washington, D. C.  
 3BPP DeFard C. Mills ..... 812 Whittier Place, Washington, D. C.  
 3BPQ Edward B. Sandrus ..... 314 Main St., Parkersburg, Pa.  
 3BPR Robert E. Powers ..... 1715 Goulford Ave., Baltimore, Md.  
 3BPS Radio Phone Sales & Service Co. 5501 Chestnut St., Philadelphia, Pa.  
 3BPT Allan Smith ..... 524 Fairmount Ave., Philadelphia, Pa.  
 3BPU Joseph G. Drolet ..... 5201 Woodland Ave., Philadelphia, Pa.  
 3BPV Edward M. Reilly ..... 2335 N. 25th St., Philadelphia, Pa.  
 3BPW Bertrand D. Oldham ..... 1524 Fairmount Ave., Philadelphia, Pa.  
 3BPX Nicola D'Ascenzo ..... 425 W. Price St., Germantown, Pa.  
 3BPY Alfred G. Windston ..... 135 Powellton Ave., Woodlyne, N. J.  
 3BPZ J. Wilbur Roore ..... 219 E. Third St., Lansdale, Pa.  
 3RQ Harry Tumbler, Jr. .... 4635 Griscam St., Philadelphia, Pa.  
 3ROA Elmer F. Fontaine ..... 8017 Pine Rd., Fox Chase, Pa.  
 3ROB Henry A. Roadknight ..... 127 E. Willard St., Philadelphia, Pa.  
 3ROC Thomas F. Homsell ..... 23-50th St., Philadelphia, Pa.  
 3ROD William A. Ryan ..... 612-9th St. SW., Washington, D. C.  
 3ROE Frank Stelwagon, Jr. .... 4517 N. 11th St., Philadelphia, Pa.  
 3ROF George F. Warren ..... Evesham Ave., Magnolia, N. J.  
 3ROG George H. Berkert ..... 1805 E. Federal St., Baltimore, Md.  
 3ROH August E. Eckels ..... 26 Alisa Ave., Baltimore, Md.  
 3ROI Edward R. Stenzel ..... 2927 N. 11th St., Philadelphia, Pa.  
 3ROJ Lansdowne Radio Assn. .... 16 N. Wrentham Ave., Lansdowne, Pa.  
 3ROK Lester F. Gares ..... 51 Bank St., Easton, Pa.  
 3ROL For F. Lauer, Jr. .... 5956 Cobbs Creek Pkwy., Phila., Pa.  
 3ROM Earle M. Fitzkee ..... 2531 Montgomery Ave., Phila., Pa.  
 3RON Ralnh G. Weltzel ..... 2605 Montgomery Ave., Phila., Pa.  
 3ROO Albert Kling ..... 209 St. Mary St., Burlington, N. J.  
 3ROP Henry S. Conard ..... 432 S. 62nd St., Philadelphia, Pa.  
 3ROQ John Rasmussen ..... 2010 Partridge St., Trenton, N. J.  
 3ROS Marlin E. Thompson ..... 45 Third St., Steelton, Pa.  
 3ROT George K. Vanter ..... 229 S. 4th St., Steelton, Pa.  
 3ROU Walter P. Smith, Jr. .... 430 Baltimore Ave., Trenton, N. J.  
 3ROV Edward R. Poutle ..... 7 N. Florida Ave., Atlantic City, N.J.  
 3ROW Henry S. Palmer ..... 618 S. Prince St., Lancaster, Pa.  
 3ROX H. Hall Katzenbach, Jr. .... 497 State St., Trenton, N. J.  
 3ROY Henry Weinberg ..... 3408 Hawthorne Ave., Richmond, Va.  
 3ROZ Charles A. Harter ..... Hill School, Pottstown, Pa.  
 3RR Char. J. Bachman ..... Broad St., Malvern, Pa.  
 3RR Francis J. O'Brien ..... 2226 N. Carlisle St., Philadelphia, Pa.  
 3BRA William H. Rusworth ..... Broad St., Malvern, Pa.  
 3BRB Robert F. Ligan ..... 599 Second St., Steelton, Pa.  
 3BRC George C. Scott, Jr. .... Cary Street Rd., Richmond, Va.  
 3BRD David H. Opperman ..... Market St., Camp Hill, Pa.  
 3BRE William D. Conover ..... 3723 Ventnor St., Atlantic City, N. J.  
 3BRF R. Stanley Williamson ..... 328 College Ave., Lancaster, Pa.  
 3RRG William S. Black ..... Washington St., Lemore, Pa.  
 3RRH Stanley Wagg ..... 126 N. Second St., Millville, N. J.  
 3RRI Charles T. Reed ..... 1306 Third St., Harrisburg, Pa.  
 3RRJ Frank R. Lancaster ..... 209 Hudson St., Trenton, N. J.  
 3RRK Abraham Binomental ..... 437 Reilly St., Harrisburg, Pa.  
 3RRL John L. Wentz ..... Main St., Shiremanstown, Pa.  
 3RRM Richard H. Braue ..... 845 Stresant Ave., Trenton, N. J.  
 3RRN Vincent Farley ..... Malvern, Pa.  
 3RRO Everett Axelson ..... 207 Second Ave., Ancelesia, N. J.  
 3RRP William J. Pessano ..... 501 S. 57th St., Philadelphia, Pa.  
 3RRQ Clinton S. Fulton ..... 713 Ash Ave., Collingdale, Pa.  
 3RRR Edward J. Ribben ..... 2632 W. Cumberland St., Phila., Pa.  
 3RRS Samuel Fletcher ..... 321 E. Union St., Burlington, N. J.  
 3RRT Frank A. Prosser ..... 623 N. 8th St., Camden, N. J.  
 3RRU John C. Gillies ..... 2333 S. Lee St., Philadelphia, Pa.  
 3RRV Charles A. Carskadon ..... 208 Fourth Ave., Haddon Hts., N. J.  
 3RRW Russell Eggert ..... Andahela, Pa.  
 3RRX J. Albert Shillingford ..... 235 E. Third St., Media, Pa.  
 3RRY Harold G. Torbass, Jr. .... 3944 Market St., Philadelphia, Pa.  
 3RRZ William T. Retts, Jr. .... 51 W. Upsal St., Philadelphia, Pa.  
 3RS Calvin H. Harlek ..... Tyson St., New Ringold, Pa.  
 3RSA Camden Co. Council, B. S. of A. 533 Market St., Camden, N. J.  
 3RSB D. J. Detwiler ..... 1120 Virginia Av. S.W., Wash., D.C.  
 3RSC Harry P. Holz ..... 1902 N. 11th St., Philadelphia, Pa.  
 3RSD William Thomson ..... 313 Church St., Trenton, N. J.  
 3RSE Clifford S. Nash ..... 4637 N. Hutchinson St., Phila., Pa.  
 3RSF Edmund U. Fairbanks ..... 424 E. 20th St., Chester, Pa.  
 3RSG Walter R. Sultor ..... 118 W. Clifreden St., Philadelphia, Pa.  
 3RSH John J. Nichols ..... Mt. Pleasant Ave., Ambler, Pa.  
 3RSI Charles W. Mullen ..... 4637 Fairmount Ave., Phila., Pa.  
 3RSJ Aurelio Valdivia ..... 3710 Elm Ave., Baltimore, Md.  
 3RSK Franklin Applegate ..... 34 Hillcrest St., Trenton, N. J.  
 3BSL John C. K. Royahn ..... New Britain, Pa.  
 3BSM Mallery Wooster ..... Berwyn, Md.  
 3BSN John C. Roberts ..... Chalfont, Pa.  
 3BSO James A. Fearn ..... 1750 N. Lambert St., Phila., Pa.

3BSP Edward H. Haines ..... 51 Browning St., Cumberland, Md.  
 3BSQ Boy Scouts of America ..... 24th & West Ave., Newport News, Va.  
 3BSR Charles H. Kauffman ..... 1501 Ninth St., Reading, Pa.  
 3BSS Thomas A. Kellum ..... 30 Third Ave., Claymont, Del.  
 3BST Leon K. Holland ..... Pennsylvania Ave., Bangor, Pa.  
 3BSU Harry E. Hantz ..... 423 Chapel St., Lebanon, Pa.  
 3BSV Cyrus L. Dirksen ..... The Cedars, West St., Berlin, Md.  
 3BSW I. Burdge Harrison ..... 211 Main St., Berlin, Md.  
 3BSX William F. Messinger ..... 13 Swatara St., Steelton, Pa.  
 3BSY Herbert A. Rich ..... 1942 N. Front St., Philadelphia, Pa.  
 3BSZ Robert George ..... 1438 N. 60th St., Philadelphia, Pa.  
 3BT Malcolm Ferris ..... 719 Redgate, Norfolk, Va.  
 3BTA Arthur C. Whitaker, Jr. .... 72 N. Pearl St., Bridgeton, N. J.  
 3BTB Charles A. Vander Veer ..... Hoop Rd. & Poplar St., Sharon Hill, Pa.  
 3BTC August Wilkening ..... 6419 Lebanon Ave., Philadelphia, Pa.  
 3BTD Harvey H. Mitchell ..... 1877 Monroe St., Washington, D. C.  
 3BTE Thomas F. Strawn ..... 919 W. Broad St., Quakertown, Pa.  
 3BTF Walter H. Smith, Jr. .... 100 W. Kings H'wy., Haddonfield, N.J.  
 3BTG Arthur J. Gill ..... 1823 N. 59th St., Philadelphia, Pa.  
 3BTH William K. Ribben ..... 2632 Cumberland St., Philadelphia, Pa.  
 3BTI Russell W. Bry ..... 1812 N. 17th St., Philadelphia, Pa.  
 3BTJ William M. Masland ..... 1202 Stratford Ave., Melrose Park, Pa.  
 3BTK Joseph K. Rulon ..... 525 S. 42nd St., Philadelphia, Pa.  
 3BTL Paul P. Swartz ..... 118 Thompson Ave., Ardmore, Pa.  
 3BTM Albert R. Pettit ..... 406 N. 6th St., Camden, N. J.  
 3BTN Ernest Kroeger ..... 7200 Rising Sun Ave., Phila., Pa.  
 3BTO John H. Eppinger ..... 1520 N. 60th St., Philadelphia, Pa.  
 3BTP Edwin T. Luckey ..... 2013 Clifftown Ave., Baltimore, Md.  
 3BTQ Arthur E. Claus, Jr. .... 22 E. Delaware Ave., Pennington, N.J.  
 3BTR Richard Dell ..... 215 Ruth Ave., Hanover, Pa.  
 3BTS Ralph F. Zimmerman ..... 211 Park St., Waynesboro, Pa.  
 3BTT Germantown H. S. Radio Club ..... Germantown Ave., Philadelphia, Pa.  
 3BTU William R. Crooks ..... 4034 Seventh St., Philadelphia, Pa.  
 3BTV Carl Clunn ..... 705 E. Main St., Millville, N. J.  
 3BTW Otto A. Knight ..... New Cathedral Cemetery, Balto., Md.  
 3BTX C. L. Myers ..... 1324 N. 57th St., Philadelphia, Pa.  
 3BTY J. Roy Mowery, Jr. .... 529 W. Leaman St., Lancaster, Pa.  
 3BTZ Frederic L. Meyers ..... 234 Atlantic St., Bridgeton, N. J.  
 3BU Raymond B. Wasles ..... 3118-14th St. NW., Wash., D. C.  
 3BUA William J. Madden ..... 10 Franklin St. N.E., Wash., D. C.  
 3BUB John J. Mutch ..... 2721 Fenwick St., Baltimore, Md.  
 3BUC Herbert C. Spicer ..... 811 E. 2d St., Baltimore, Md.  
 3BUD William L. Hamilton ..... 1600 E. 28th St., Baltimore, Md.  
 3BUE Russell B. Pottoffi ..... Wayne Bldg., Waynesboro, Pa.  
 3BUF J. C. Kline ..... Mathews C. H., Va.  
 3BUG Joseph Schenker ..... 2017 N. 9th St., Philadelphia, Pa.  
 3BUH George W. McLaughlin ..... 1803 N. 59th St., Philadelphia, Pa.  
 3BUI Walter J. Ray ..... 34 Ridgeade Ave., Morristown, N. J.  
 3BUJ J. Caldwell Teris, Jr. .... Oak Ave., Woodbury Heights, N. J.  
 3BUK Leon Laventhal ..... 504 Riverside Ave., Trenton, N. J.  
 3BUL Thomas F. Gibb ..... 1100 N. 20th St., Richmond, Va.  
 3BUM Horace Fletcher ..... 3430 Crawford St., Philadelphia, Pa.  
 3BUN Glenn Hull ..... 2930 N. 22d St., Philadelphia, Pa.  
 3BUO Warren B. Tolbert ..... 7037 Hegerman St., Tacony, Pa.  
 3BUP Harry R. Sinn ..... Roosevelt Bld. & Phawn Sts., Phila., Pa.  
 3BUQ H. Webster Phillips, Jr. .... 1939 Cedar Ave., W. Philadelphia, Pa.  
 3BUR Anderson Ofsutt ..... 327 Charles St., Annapolis, Md.  
 3BUS William A. Rogge ..... 314 New Broadway, Brooklawn, N. J.  
 3BUT Eugene C. Brantly ..... 1701 Cottman St., Philadelphia, Pa.  
 3BUU Alfred V. Pular ..... 1250 S. 53d St., Philadelphia, Pa.  
 3BUV Edwin Wegner ..... 216 W. Greenwch St., Bethlehem, Pa.  
 3BUW Victor Feinsteln ..... 901 N. 10th St., Philadelphia, Pa.  
 3BUX Kenneth R. Stroud ..... 1932 Somerset St., Philadelphia, Pa.  
 3BUY Lewis E. Knight ..... 609 Prince St., Alexandria, Va.  
 3BUZ Edward G. Penneck ..... 243 Harvey St., Germantown, Pa.  
 3BV Paul G. Watson ..... 214 W. Barnard St., W. Chester, Pa.  
 3BVA Fred Link ..... 40 Beaver St., York, Pa.  
 3BVB Garland T. Scott ..... 326 Broad St., Portsmouth, Va.  
 3BVC Louis W. Ballou ..... 110 Florida Ave., Portsmouth, Va.  
 3BVD Sherman L. Eaton ..... 915 Fourth St., Reading, Pa.  
 3BVE Howard H. Smith ..... 1019 N. Park Ave., Baltimore, Md.  
 3BVF Walter J. Staats, Jr. .... 50 W. Maple Ave., Merchantville, N. J.  
 3BVG Gustav H. Tafel, Jr. .... 919 S. St. Bernard St., Phila., Pa.  
 3BVH Roscoe W. Cost ..... 220 Potomac St., Hagerstown, Md.  
 3BVI Frank H. Calhoun ..... 975 Locust Grove, Charlottesville, Va.  
 3BVJ Valentine H. Fager, Jr. .... 410 N. Second St., Harrisburg, Pa.  
 3BVK John Groomes ..... 415 Franklin St., Hagerstown, Md.  
 3BVL Theodore & Frank E. Keck ..... 1613 Grace St., Richmond, Va.  
 3BVM Robert G. Teese ..... 2175 E. Letterly St., Philadelphia, Pa.  
 3BVN Haverford College Radio Club ..... Haverford, Pa.  
 3BVO Donald Myers ..... 5814 "G" St., Philadelphia, Pa.  
 3BVP Harold V. Sweeney ..... 64 Ashland Ave., West Manayunk, Pa.  
 3BVQ Homer S. Reynolds ..... Main St., Rising Sun, Md.  
 3BVR Theodore Leaf ..... 129 S. 59th St., Philadelphia, Pa.  
 3BVS Charles W. Kenyon ..... 701 Monmouth St., Trenton, N. J.  
 3BVT Harry Olmsted ..... 1100 Virginia Av. S.W., Wash., D.C.  
 3BVU Leict. F. B. Rosenbaum ..... T-63 Central Ave., Camp Meade, Md.  
 3BVV Albert W. Waugh, Jr. .... 2200 Arctic Ave., Atlantic City, N. J.  
 3BVW Albert W. Ward, Jr. .... 417 Narberth St., Narberth, Pa.  
 3BVX William G. Pierce ..... 34 W. Phil Eilena St., Phila., Pa.  
 3BVY Chester Flack ..... 645 Sedgwick St., Philadelphia, Pa.  
 3BVZ Edward P. Moxey ..... 6629 Quincey St., Germant'n, Phila., Pa.  
 3BW Herbert R. Otto ..... 3257 Carlisle St., Philadelphia, Pa.  
 3BWA William A. Myers ..... 2506 N. 18th St., Philadelphia, Pa.  
 3BWB Walter L. Oppenheimer ..... 103 Towanda Ave., Philadelphia, Pa.  
 3BWC Edgar C. Rowe ..... State Rd., Enola, Pa.  
 3BWD Harry Schwabe ..... 915 Mt. Vernon St., E., Philadelphia, Pa.  
 3BWE Thos. Simpson ..... 286 Ashmeade St., E. Germantown, Pa.  
 3BWF William J. Nachtigale ..... 2238 Lee St., Philadelphia, Pa.  
 3BWG Franklin G. Schuler ..... 2725 N. 25th St., Philadelphia, Pa.  
 3BWH Joseph F. Carberry ..... 2825 Kensington Ave., Philadelphia, Pa.  
 3BWI John B. McGee ..... 607 E. Allegheny Av., Philadelphia, Pa.  
 3BWJ Norman Weible ..... 120 Frazer Ave., Collingswood, N. J.  
 3BWK Joseph A. Morris ..... 1239 N. 6th St., Philadelphia, Pa.  
 3BWL Stuart L. Seaton ..... Washington Grove, Md.  
 3BWM Lewis P. Todd ..... 829 Stokes St., Collingswood, N. J.  
 3BWN Harry C. Robb, Jr. .... 816 Whittier St., N.W., Wash., D.C.  
 3BWO George G. Hagerman ..... 1075 Lator St., Trenton, N. J.  
 3BWP Alan C. Chamberlin ..... 313 Broad St., Bethlehem, Pa.  
 3BWQ Joseph Danley ..... Main St., Groveville, N. J.  
 3BWR James T. Keelins ..... 118 E. Third St., New Castle, Del.  
 3BWS Malcolm Y. Flory ..... 763 N. 39th St., Philadelphia, Pa.  
 3BWT Eppa W. Darne ..... 132 Tennessee Av., N.E., Wash., D.C.  
 3BWU Viola Erickson ..... 1911 N. Park Ave., Philadelphia, Pa.  
 3BWW Bertram Delzeit, Jr. .... London Ave., Berlin, N. J.  
 3BWX Walter C. Gulse ..... 504 Wallace St., York, Pa.  
 3BWX Clifford Keracofe ..... 62 W. Main St., Mechanicsburg, Pa.  
 3BWy Lowell M. Price ..... Pochontas, Va.  
 3BWZ Charles H. Love ..... 1241 Bushkill St., Easton, Pa.  
 3BX Fred & Harry Diets ..... 2228 N. Fairhill St., Philadelphia, Pa.  
 3BY Howard R. Humpton ..... 103 Sibley Ave., Ardmore, Pa.  
 3BZ William T. Gravely ..... 864 Main St., Danville, Va.  
 3CA J. F. Wohlford ..... 656 Day Ave. SW., Roanoke, Va.  
 3CAA Boy Scouts of America, T. S. .... Center Av. & Oley St., Reading, Pa.  
 3CAB C. A. Briggs ..... 1521 Oak St., N.W., Washington, D.C.  
 3CAC Frank Sandruck, Jr. .... 1127 W. North Ave., Baltimore, Md.

3CAD A. Woodruff .....6042 Norwood St., Philadelphia, Pa.  
 3CAE Ralph Frick .....2443 W. Elkhart, Philadelphia, Pa.  
 3CAF Francis Turner .....2952 N. 26th St., Philadelphia, Pa.  
 3CAG Harry Martin .....2406 Allegheny Ave., Philadelphia, Pa.  
 3CAH W. Maurice Funk .....7906 Germantown Ar., Philadelphia, Pa.  
 3CAI William Fellman .....1208 Broad St., Philadelphia, Pa.  
 3CAJ Edward F. Turner .....South Langborne, Pa.  
 3CAK John B. Letherbury .....710 Wingolocking St., Philadelphia, Pa.  
 3CAL Stephen C. VanFleet .....2006 Columbia Rd., Washington, D.C.  
 3CAM Donald L. Cotlin .....3053 Frankfort St., Philadelphia, Pa.  
 3CAN David H. Farrell .....Bustleton Ar. & Cottman, Frankford, Pa.  
 3CAO Lawrence T. Harvey .....125 Anacosta Rd., Washington, D.C.  
 3CAP John G. Bates, Jr. ....234 South St., Morristown, N. J.  
 3CAQ Lloyd M. Vouclun .....3526 New Hampshire St., Wash., D.C.  
 3CAR William S. Kaitenstein .....1109 Olive St., Philadelphia, Pa.  
 3CAS J. Ernest Schenck, Jr. ....1332 Fairmount Ave., Philadelphia, Pa.  
 3CAT William S. White .....6611-10th St., Philadelphia, Pa.  
 3CAU George Peterson, Jr. ....35 W. Montgomery Ave., Ardmore, Pa.  
 3CAV Anthony Perlouise .....2221 Taskner St., Philadelphia, Pa.  
 3CAW Walter W. Sloum .....244 Montgomery Ave., Ardmore, Pa.  
 3CAX Harry L. Overton .....3231 Carlisle St., Philadelphia, Pa.  
 3CAY Frank T. Kessler, Jr. ....1012 Duncannon Ave., Philadelphia, Pa.  
 3CAZ Archie Finkler .....2155 Sixth St., N. Philadelphia, Pa.  
 3CB James C. Bigelow .....833 W. State St., Trenton, N. J.  
 3CBA James Parker .....33 Holland Ave., Ardmore, Pa.  
 3CBB Charles A. Green .....2660 N. 16th St., Philadelphia, Pa.  
 3CBC Edward R. Nagel .....5743 Osage Ave., Philadelphia, Pa.  
 3CBD Robert J. Biele .....2819 Kensington St., Philadelphia, Pa.  
 3CBE Joseph Bernert .....205 Oakland Ave., Audubon, N. J.  
 3CBF Lawrence J. Arthur .....3428 Seregen Terrace, Balto., Md.  
 3CBG Benjamin F. Biben .....5621 Pine St., Philadelphia, Pa.  
 3CBH Sidney E. Smith, Jr. ....5011 Chester Ave., Philadelphia, Pa.  
 3CBI James M. Hesser .....904 "B" St. S.W., Wash., D.C.  
 3CBJ Harry W. Baker .....135 Baltimore St., Gettysburg, Pa.  
 3CBK Harold L. Sheldon .....619 Suruce St., W. Andesee, N. J.  
 3CBL Clarence J. Stocker .....330 Second St., Reading, Pa.  
 3CBM David Schell .....12 W. Main St., Myerstown, Pa.  
 3CBN Clarence N. Jones, Jr. ....Talbot St., St. Michaels, Md.  
 3CBO Harold E. Selhel .....503 Southard St., Trenton, N. J.  
 3CBP Robert M. Schwanger .....Elizabethtown, Pa.  
 3CBQ Morris Harwood .....3001 Broad St., Richmond, Va.  
 3CBR Kenneth R. Shockley .....Chestnut St., St. Michaels, Md.  
 3CBS James B. Bugbee .....565 Rutherford St., Trenton, N. J.  
 3CBT El. Boyd Cowan .....Norwood St., Atglen, Pa.  
 3CBU L. P. & F. H. Hamburger .....Green St., Shiremanstown, Pa.  
 3CBV George W. Werner .....1207 Eutaw Pl., Baltimore, Md.  
 3CBW Ferdinand W. Suter .....432-34 Northampton St., Easton, Pa.  
 3CBX John H. Williams .....317 Rutherford St., Trenton, N. J.  
 3CBY Joe Ritchele .....329 McKnight St., Reading, Pa.  
 3CBZ Chas. W. Weber .....Strubling Ave., Charlottesville, Va.  
 3CC William B. Finnegan .....Huntingdon Rd., Abington, Pa.  
 3CCA James D. Blitch .....5144 N. Sycuanum St., Phila., Pa.  
 3CCB Samuel Oldham .....Box 250, Univ. Campus, Lexington, Va.  
 3CCD Joseph R. Matteson .....0008 Tulip St., Philadelphia, Pa.  
 3CCE James P. Cooper .....2036 Ritter St., Philadelphia, Pa.  
 3CCF Ammon M. Umholtz .....808 Wilbur St., Camp Hill, Pa.  
 3CCG Frank A. Goss, Jr. ....R.F.D. 1, Washington Valley, N. J.  
 3CCH Stanton L. Bast .....222 N. Second St., Reading, Pa.  
 3CCI Frank D. Fuss .....5402 Fifth St., Olney, Phila., Pa.  
 3CCJ J. Preston McClary .....18 Maple Ave., Flemington, N. J.  
 3CCK Thomas S. McCaleb .....717 Redgate St., Norfolk, Va.  
 3CCL George A. Daniels .....748 S. 53d St., Philadelphia, Pa.  
 3CCM Terris Moore .....400 Washington Ar., Haddonfield, N.J.  
 3CCN Emanuel Newman .....1416 S. 27th St., Philadelphia, Pa.  
 3CCO Nelson Haddon .....824 Brooklyn St., Philadelphia, Pa.  
 3CCP William A. Mears, Jr. ....8 N. 24th St., Philadelphia, Pa.  
 3CCQ Joseph J. Oneill .....1624 French St., Philadelphia, Pa.  
 3CCR Lylyburn Bewley .....2630 Atlantic Ave., Atlantic City, N.J.  
 3CCS William J. Farley .....4019 Van Penseiler Av., Atl. Cy., N.J.  
 3CCT Anthony K. Thornbony .....1561 E. State St., Trenton, N. J.  
 3CCU D. S. Strine .....Emigsville, Pa.  
 3CCV John W. Morrow .....Wernersville, Pa.  
 3CCW C. Reese Hocker .....2708 Canby St., Penbrook, Pa.  
 3CCX J. Cox Thompson .....2200 N. Third St., Harrisburg, Pa.  
 3CCY James L. Rowlands .....Locust St., Camp Hill, Pa.  
 3CCZ Daniel D. Moore .....78 Warren St., Pottstown, Pa.  
 3CD Earl T. Denton .....603 University Parkway, Baltimore, Md.  
 3CDB Christian F. Brown .....10 S. Church St., West Chester, Pa.  
 3CDC Bertruse B. Kern .....413 Christian St., Steelton, Pa.  
 3CDD William H. Durst .....361 Main St., Strattington, Pa.  
 3CDE W. D. Geiser .....133 N. Fanson St., Philadelphia, Pa.  
 3CDF Murray G. Clay .....4630 N. 11th St., Philadelphia, Pa.  
 3CDG John & James Hersker, Gomer .....606 Seventh St. N.E., Wash., D. C.  
 3CDH Easton Radio Company .....404 Northampton St., Easton, Pa.  
 3CDI Robert F. Lenox .....110 Virginia Ave., Trenton, N. J.  
 3CDJ H. C. Roberts Elec. Sup. Co. ....1101-15 Race St., Philadelphia, Pa.  
 3CDK Samuel C. Hooker, Jr. ....Mountain Rd., Mendham, N. J.  
 3CDL J. H. Pirtle .....334 10th St., N.E., Wash., D. C.  
 3CDM Herman Willier .....4211 N. Seventh St., Philadelphia, Pa.  
 3CDN Lawrence J. Helne .....225 Broad St., Bethlehem, Pa.  
 3CDO Dr. J. B. Lawrence .....204 Market St., Harrisburg, Pa.  
 3CDP Andrew G. Griffs, Jr. ....9 Railroad Ave., Penn's Grove, N. J.  
 3CDQ Elizabeth M. Zandoulnf. ....3320-19th St. N.W., Wash., D. C.  
 3CDR Thomas H. Keys .....323-11th St. N.E., Washington, D.C.  
 3CDS Russell W. Frederick .....365 Schuykill St., Reading, Pa.  
 3CDT Paul Haus .....Point Pleasant, Pa.  
 3CDU Melvin Furlong .....906 S. Clinton St., Baltimore, Md.  
 3CDV Stephen H. Inns .....Piney Point, Md.  
 3CDX James W. O'Brien .....1922 Carey St., Philadelphia, Pa.  
 3CDY Edward M. Jacobs .....7 Mackey St., Cherrydale, Va.  
 3CDZ Robert Dickerson .....2122 Barton Ave., Richmond, Va.  
 3CE Allen C. Bigelow .....833 W. State St., Trenton, N. J.  
 3CEA Harry Hill .....428 Main St., Bedford, Va.  
 3CEB Robert N. Euhank .....2920 North Ave., Richmond, Va.  
 3CEC Russell S. Morton .....Cor. Broadway & Market, Salem, N.J.  
 3CED Ezekiel C. Reed .....18 N. Sovereign St., Atlantic Cy., N.J.  
 3CEE Daniel Fritsch .....708 Hieh St., Lancaster, Pa.  
 3CEF Anthony Manning .....2516 Jefferson St., Harrisburg, Pa.  
 3CEG George L. Kreider .....P. O. Box No. 856, Anrville, Pa.  
 3CEH Andrew Reklis .....207 McKean St., Philadelphia, Pa.  
 3CFI F. L. Kahmer .....5226 Linden Heights Ave., Baltimore, Md.  
 3CFJ Frank Fineazzl .....1389 Outney St. N.W., Wash., D.C.  
 3CFK Arthur W. Althricht .....1314 "L" St. N.W., Washington, D.C.  
 3CFL Gordon Hammond .....Achtilla, Va.  
 3CFM John L. Miller, Jr. ....535 Lemon St., Lancaster, Pa.  
 3CFN J. Paul Dohner .....411 W. Main St., Anrville, Pa.  
 3CFO George Hautenschild .....15 Logan Ave., Auhshon, N. J.  
 3CFP Roger D. Prosser .....512 Madison St., Hackittstown, N. J.  
 3CFQ Laurence E. Hastings .....1340 Fairmont St., N.W., Wash., D.C.  
 3CFR Derek S. Brestenhach .....Twiner Ave., Ballston, Va.  
 3CF Robert F. Basford .....5105 Brown St., Philadelphia, Pa.  
 3CG Vern. M. Wintermute .....47 Spring St., Newton, N. J.  
 3CH Earl A. Bemis .....1424 Poplar Grove St., Baltimore, Md.  
 3CI Harvey A. S. Daly .....124 Villa Rd., Clarendon, Va.  
 3CJ Jas. S. Campbell .....1102 Johnston St., Philadelphia, Pa.

3CK Henry W. Pilch .....55 Green Village Rd., Madison, N. J.  
 3CL Edward C. Andrews .....32 S. Fallon St., Philadelphia, Pa.  
 3CM Charles C. Stephens .....Beech Ave., Laurel Springs, N. J.  
 3CN Geo. E. Faunce .....5 Green St., Millville, N. J.  
 3CO Norwood B. Falconer .....317 University Parkway, Baltimore, Md.  
 3CP Metropolitan Elec. Sup. Co. ....45 N. 7th St., Philadelphia, Pa.  
 3CQ Jos. F. Pattison, Jr. ....4639 York Rd., Philadelphia, Pa.  
 3CR Peter Dolan .....Pt. Myer Hgts., Box 24, Ft. Myer, Va.  
 3CS Edward G. Raser .....931 Edgewood Ave., Trenton, N. J.  
 3CT Harold O. Hogan .....South Ave., Mt. Washington, Md.  
 3CU John P. Shanklin, Jr. ....Marion, Va.  
 3CV Louis Freund .....1634 N. Wolfe St., Baltimore, Md.  
 3CW Bernard Ellman .....3219 Clifford Ave., Philadelphia, Pa.  
 3CX Harrisburg Radio Club .....Market & 21st Sts., Harrisburg, Pa.  
 3CY Roland Carrington .....347 Camel St., Baltimore, Md.  
 3CZ George W. Austin .....1321 Belmont St. N.W., Wash., D. C.  
 3DA Frank L. Smith .....1406 Powell St., Norristown, Pa.  
 3DB Geo. G. Miller .....1526 Second Ave., York, Pa.  
 3DC Harry W. Eaton, Jr. ....1915 S. 12th St., Philadelphia, Pa.  
 3DD Chas. E. Maris, Jr. ....41 Owen St., Lansdowne, Pa.  
 3DE Harry Korab .....Harlem Av. & Dorch'r Pl., Cat's'se, Md.  
 3DF Hume J. Rathbun .....506 E. 26th St., Baltimore, Md.  
 3DG Marshall H. Barnard .....1011 Woodbourne Ave., Baltimore, Md.  
 3DH Princeton Univ. Radio Club .....Princeton, N. J.  
 3DI Roland D. Pearson .....Culver Lake, Frankford Township, N. J.  
 3DJ Raymond Guemser .....1022 Indiana Ave., Philadelphia, Pa.  
 3DK Ray. H. & Ken. P. Synnestvedt .....Washington Lane, Derwood, Pa.  
 3DL Paul A. Keller .....Lehigh Av. & 13th St., Philadelphia, Pa.  
 3DM John A. Roehm .....668 Union St., Lancaster, Pa.  
 3DN Max Rosenberg .....434 S. 62nd St., Balt., Md.  
 3DO John A. Archer .....3320 Auchenoroly Ter., Balt., Md.  
 3DP William H. Stevens .....4152 Parkside Ave., Philadelphia, Pa.  
 3DQ Martin J. Porter .....1628 Federal St., Baltimore, Md.  
 3DR Preston F. Shivers .....1514 Erie Ave., Philadelphia, Pa.  
 3DS George W. E. Shields .....1909 N. 63d St., W. Philadelphia, Pa.  
 3DT Harry J. Hemphill .....20 S. Raleigh Av., Atl. City, N. J.  
 3DU Lower Merion science Club .....E. Montgomery Ave., Ardmore, Pa.  
 3DV Lloyd M. Knoll .....6120 Carpenter St., Philadelphia, Pa.  
 3DW Wm. J. Blome .....3800 Liberty Hgts. Ave., Baltimore, Md.  
 3DX George F. MacLeod, Jr. ....Montgomery Ave., Ardmore, Pa.  
 3DY Allen Gardenhour .....218 Park Ave., Waynesboro, Pa.  
 3DZ Andrew W. Long .....148 W. Wayne Ave., Wayne, Pa.  
 3EA Clarence Greenberg .....774 Brewster Ave., Philadelphia, Pa.  
 3EB Albert Byrne .....5137 Columbia Ave., Philadelphia, Pa.  
 3EC Howard C. Gronberg .....641 Massachusetts Ar. N.E., Wash. D.C.  
 3ED Chas. S. Horn .....Rehoboth Beach, Del.  
 3EE Patricia J. Dalton .....417 H St., N.E., Washington, D. C.  
 3EF Alexander Milroy, Jr. ....303 Monument Ave., Natl. Park, N. J.  
 3EG Warren H. Keates .....Atr Port Albany Av., Atl. City, N. J.  
 3EH W.C. Phillips & H.W. Densham .....140 Washington Av., Philadelphia, Pa.  
 3EI N. L. Hurd .....150 The Castleton, 16th & R Sts., Washington, D. C.  
 3EJ Raymond W. Kendall .....1712 Milton Ave., Baltimore, Md.  
 3EK James C. Faustlich .....629 Seltz Ave., Easton, Pa.  
 3EL Stanley Gustof .....104 McKean St., Philadelphia, Pa.  
 3EM Edward B. Duvall .....3909 Cottage Ave., Baltimore, Md.  
 3EN Russell R. Taylor .....823 1/2 N. Penn St., Allentown, Pa.  
 3EO Andrew Morgan .....314 W. Seymour St. Ger., Phila., Pa.  
 3EP Dan R. Lean .....434 Carson Ave., Atlantic City, N. J.  
 3EQ Raymond Fach .....5019 Race St., Philadelphia, Pa.  
 3ER E. Craig Densten .....603 Calhoun St., Baltimore, Md.  
 3ES William Q. Rauff .....4102 Kate Av., Forrest Pk., Balto., Md.  
 3ET Albert Gengenbach .....108 N. Broad St., Woodbury, N. J.  
 3EU John A. Bunn, Jr. ....1940 N. 20th St., Philadelphia, Pa.  
 3EV Maurice Mandelkern .....4409 W. York St., Philadelphia, Pa.  
 3EW Edward A. Taylor .....Buck Lane, Haverford, Pa.  
 3EX Augustin H. Morley .....1008 McKean St., Philadelphia, Pa.  
 3EY Robert G. Mackendrick .....307 Amos Land Rd., Holmes, Pa.  
 3EZ Irving I. Blanford .....922 North St., Portsmouth, Va.  
 3FA F. Altee .....2321 DeLancey St., Philadelphia, Pa.  
 3FB William Jordan .....126 Atlantic Ave., Atlantic City, N. J.  
 3FC Karl F. Gray .....443 Northampton St., Easton, Pa.  
 3FD John E. Delp, Jr. ....1526 Hollywood St., Philadelphia, Pa.  
 3FE William H. Davis .....627 Mount St., Baltimore, Md.  
 3FF Alfred G. Hook .....629 Ryder St., Camden, N. J.  
 3FG Raymond A. Ryder .....2878 Cedar St., Philadelphia, Pa.  
 3FH Forrest Nichols .....825 Kember St., Camden, N. J.  
 3FI Walter Hormung .....1804 Durham St., Baltimore, Md.  
 3FJ Paul D. Mohr .....126 S. 6th St., Emaus, Pa.  
 3FK Russell I. Oppenheim .....Park Hgts. & Slade St., Balto., Md.  
 3FL Elmer G. Griffith .....1422 Blaris St., Philadelphia, Pa.  
 3FM James F. Rau .....2085 E. Kingston St., Philadelphia, Pa.  
 3FN Geo. H. Wise .....234 Broadway, Bangor, Pa.  
 3FO Joseph B. McAllister .....Westhester Ave., Ellicott City, Md.  
 3FP Franklin W. Applegate .....34 Hillcrest Ave., Trenton, N. J.  
 3FQ Walter V. Erans .....707 Walker Ave., Towson, Md.  
 3FR Kenneth K. Keet .....117 S. St. Cloud St., Allentown, Pa.  
 3FS Charles G. Benzine .....2425 S. 12th St., Philadelphia, Pa.  
 3FT Joseph H. Kennedy .....5010 N. 15th St., Philadelphia, Pa.  
 3FU Joseph G. Grey .....1018 W. Tloga St., Philadelphia, Pa.  
 3FV Gustav A. Chech .....3413 N. 10th St., Philadelphia, Pa.  
 3FW Cronin F. Laeger .....1029 Belmont Ave., Philadelphia, Pa.  
 3FX Benj. Lovett .....1627 Broadway, Baltimore, Md.  
 3FY Boy Scouts of Am., Troop 9 .....105 Linden St., Richmond, Va.  
 3FZ P. L. Ddlg .....1818 G St. N.W., Washington, D. C.  
 3GA Clifford C. Trout .....553 S. 15th St., Reading, Pa.  
 3GB Otis B. French .....1717 S. 55th St., Philadelphia, Pa.  
 3GC John F. Williamson .....15 Coulter Ave., Ardmore, Pa.  
 3GD Donald H. Goldsborough .....1904 Homewood Ave., Baltimore, Md.  
 3GE Lester Markham .....5522 Pashall Ave., Philadelphia, Pa.  
 3GF Frank Nickel, Jr. ....5716 Catherine St., Philadelphia, Pa.  
 3GG Jos. R. Dorsey .....1611 N. Eden St., Baltimore, Md.  
 3GH Jnljan D. Tebo .....1812 W. Lexington St., Baltimore, Md.  
 3GI Hubert E. Warner .....Box 58, Harford St., Magnolia, Md.  
 3GJ Nelson W. Meltzer .....1532 Allen St., Allentown, Pa.  
 3GK Edw. J. Eckert .....2303 N. Smedley St., Philadelphia, Pa.  
 3GL George M. Berry .....Baltimore & Allegh. Aves., Towson, Md.  
 3GM Lawrence W. Barnhart .....352 Hammel Ave., Lemoyne, Pa.  
 3GN Albert J. Williams, Jr. ....301 South Ave., Media, Pa.  
 3GO Lester F. Schoenfeld .....3137 Diamond St., Philadelphia, Pa.  
 3GP Joseph C. Russell .....3404 Pearl St., Philadelphia, Pa.  
 3GQ Chas. F. Kuder .....2630 N. 33d St., Philadelphia, Pa.  
 3GR Lloyd K. Yerger .....14 Penn Ave., Souderton, Pa.  
 3GS Milton H. Engnoth .....126 Highland Ave., Baltimore, Md.  
 3GT Fred W. Klein .....1022 E. Palmer St., Philadelphia, Pa.  
 3GU Robt. L. Crowther .....York Rd. & Eversham, Govans, Md.  
 3GV Henry N. Woolman, Jr. ....132 St. Georges Rd., Ardmore, Pa.  
 3GW Walter T. Jenkins .....2430 W. Thomson St., Philadelphia, Pa.  
 3GX Fred Ancona .....1579 Mineral Spring Rd., Reading, Pa.  
 3GY Hiram B. Bennett .....93 LaSalle Ave., Norfolk, Va.  
 3GZ Gerald W. Cooke .....812 Newington Ave., Baltimore, Md.  
 3HA C. Oakford Newman .....4409 Garrison Ave., Baltimore, Md.  
 3HB S. Webster Piper .....133 E. Antietam St., Hagerstown, Md.  
 3HC George L. Werner .....Bethlehem Prep. School, Bethlehem, Pa.  
 3HD John E. Welsh .....2251 S. Lee St., Philadelphia, Pa.  
 3HE Elmer D. Smith .....Magnolia, Md.  
 3HF Abe R. Bernstein .....601 Charlotte St., Norfolk, Va.  
 3HG Geo. L. Deichman .....Pk. Hgts. Av. & Ban't Pk., Balto., Md.  
 3HH H. Hollowell, Jr. ....300 Summit Ave., Jenkintown, Pa.



3HI K. E. Whiting.....Catonville, Md.  
 3HJ A. D. & A. H. McNaughton...Cheswood Lane, Haverford, Pa.  
 3HK David Thomas.....200 Bethlehem Pike, Ambler, Pa.  
 3HL McCamant C. Higgins.....Oldtown, Va.  
 3HM Maxwell Snyder.....1531 W. York St., Philadelphia, Pa.  
 3HN Leon W. Ashton.....106 Washington Av., Collingswood, N.J.  
 3HO Eugene S. Goebel.....1601 Columbia Ave., Philadelphia, Pa.  
 3HP Stewart F. Becker.....221 Greenwich St., Reading, Pa.  
 3HQ William M. Browne.....231 Ninth St. N.E., Wash., D. C.  
 3HR Robert C. Steele.....2013 Wolfe St., Baltimore, Md.  
 3HS Franklin Kral.....1814 Kilbourne Pl. N.W., Wash., D.C.  
 3HT Lee L. Terry.....W. Edgewater St., Pikesville, N. J.  
 3HU Harlow D. Gaines.....Charlottesville, Va.  
 3HV Blanchard F. Lloyd.....27 W. Coujty, Phoebus, Va.  
 3HW Amandus G. Wentzel, Jr.....318 Gardner Ave., Trenton, N. J.  
 3HX Roy S. Fisher.....3520 Duxton St., Tacony, Phila., Pa.  
 3HY Paul S. Hendricks.....23 Chestnut St., Souderton, Pa.  
 3HZ Wilbur S. Clark.....319 S. 51st St., W. Philadelphia, Pa.  
 3IA Gilbert W. Hudgins.....Rogers & Natusus Aves., Balto., Md.  
 3IB Sedy Salabas.....2013 Balton St., Baltimore, Md.  
 3IC George G. Dryden.....1619 Lafayette Ave., Baltimore, Md.  
 3ID Frank C. Baxter.....2603 Iseminger St., Philadelphia, Pa.  
 3IE John E. Moore.....230 S. Church St., Waynesboro, Pa.  
 3IF Arthur Hatmeister.....2017 N. Wolfe St., Baltimore, Md.  
 3IG Frederick T. Iddings.....1608 Linden Ave., Baltimore, Md.  
 3IH Charles W. Coulston.....5141 Haverford Ave., Philadelphia, Pa.  
 3II Edgar M. Scattergood, Jr.....Lodges Lane & Penroth Ru., Cynwyd, Pa.  
 3IJ Romolo Frels.....1039 Parker St., Chester, Pa.  
 3IK Robert J. Beacham, Jr.....129 Lilwood Ave., Baltimore, Md.  
 3IL Harry L. Strang.....2020 1st St. NW., Washington, D.C.  
 3IM Milton C. Bergy.....Sta. Av. & Delaware Dr., Cornwells, Pa.  
 3IN Donald C. Vollrath.....1512 Pine St., Philadelphia, Pa.  
 3IO Fred H. Gildemeier.....4824 Fairhill St., Philadelphia, Pa.  
 3IP Harry C. Sowden.....2331 Gerritt St., Philadelphia, Pa.  
 3IQ Henry C. Wetzel.....16 E. Park Av., Merchantville, N. J.  
 3IR Robert M. Williamson.....4711 Pulaski St., Baltimore, Md.  
 3IS John S. Donal.....405 Harrison Ave., Elkins Park, Pa.  
 3IT Karl G. Schulermer.....916 Rockland St., Philadelphia, Pa.  
 3IU Samuel J. Thackeray.....6112 Tulip St., Wissinoming, Phila., Pa.  
 3IV Lenward L. Stokes.....2104 St. Albans St., Philadelphia, Pa.  
 3IW David W. Lewis.....3 S. Court St., Clarendon, Va.  
 3IX Emil F. Helm.....Ostend St., Hamilton, Md.  
 3IY Ernest S. Hook.....3659 Cottage Ave., Baltimore, Md.  
 3IZ Henry F. Kollman.....1937 Diamond St., Philadelphia, Pa.  
 3JA William N. Wilson.....1377 Packing Co. Fairport, Va.  
 3JB Francis A. Rafferty.....439 Manchester Ave., Media, Pa.  
 3JC Charles M. Keed.....Villanova College, Villanova, Pa.  
 3JE Karl D. Volkmar.....31st & Alabama Av. NE., Wash., D.C.  
 3JF Edgar M. Weud.....2913 Brighton St., Baltimore, Md.  
 3JG Walter T. Young.....12 Phoenix St., Morristown, N. J.  
 3JH Jos. R. Matteson.....635 Spring St., Bethlehem, Pa.  
 3JI Gordon W. Calvert.....2330 S. 21st St., Philadelphia, Pa.  
 3JJ Herbert A. Wadsworth.....7th & Chestnut Sts., Lansdale, Pa.  
 3JK George A. Smiley.....70 V St. NW., Washington, D. C.  
 3JL Merritt E. Gregory.....3018 Aramingo Av., Kens., Phila., Pa.  
 3JM Frank V. L. Turner.....28 Pine St., Morristown, N. J.  
 3JN Montague W. Barrett.....30 E. Cedar Ave., Merchantville, N. J.  
 3JO Earl Godfrey.....Police Headquarters, Norfolk, Va.  
 3JP Arthur S. Elseman.....145 St. Charles Pl., Atlantic City, N.J.  
 3JQ DeWitt Bowman, Jr.....1355-50th St., Villanova, Pa.  
 3JR Herbert Breittinger.....South Branch, N. J.  
 3JS John M. Holden.....5555 W. Thompson St., Phila., Pa.  
 3JT John B. Lewis.....2737 S. Randolph St., Philadelphia, Pa.  
 3JU Luke I. Moyer.....2939 Rhavae St., Philadelphia, Pa.  
 3JV John R. Watson.....651 N. 57th St., Philadelphia, Pa.  
 3JW Paul Eisenbrown.....210 W. North Ave., Baltimore, Md.  
 3JX Donald F. McKenzie.....919 N. 3d St., Reading, Pa.  
 3JY Dorsey S. Simpson, Jr.....3801 Inbomar St., Washington, D. C.  
 3JZ Walter N. Booz.....600 W. 25th St., S. Richmond, Va.  
 3KA A. Pittman, Jr.....452 Asbury Ave., Ocean City, N. J.  
 3KB Edward J. Morgan.....7421 Sprague St., Philadelphia, Pa.  
 3KC Luther M. Morkan.....5050 Haverford Ave., Philadelphia, Pa.  
 3KD Geo. Hautenschild, Jr.....5763 Walton Ave., Philadelphia, Pa.  
 3KE Franklin T. Jones.....3536 Jasper St., Philadelphia, Pa.  
 3KF C. Lawton Lafferty.....465 Park Ave., Collingswood, N. J.  
 3KG William H. Millery.....8 High St., Moorestown, N. J.  
 3KH James S. Barnard.....4608 Elrode Ave., Baltimore, Md.  
 3KI E. C. Dyer, J. Doyle, G. Berry.....Popular St., Woodbury Heights, N. J.  
 3KJ Wm. T. Anderson.....Walker Ave., Towson, Md.  
 3KK Lafrantz Jones.....Henry Clay, Del.  
 3KL Arthur C. Whitaker, Jr.....711 Poplar St., Wilmington, Del.  
 3KM Robert E. Lintibicum.....72 N. Pearl St., Bridgeton, N. J.  
 3KN William L. Lewis.....2013 Benning Rd. NE., Wash., D. C.  
 3KO Rupert E. Herr.....Chester Heights Rd., Glen Riddle, Pa.  
 3KP Richard G. Webster, Jr.....331 N. West End Ave., Lancaster, Pa.  
 3KQ Edward Backert.....1001 Kerlin St., Chester, Pa.  
 3KR Arthur H. Allen.....2332 Sergeant N., Philadelphia, Pa.  
 3KS Geo. N. Belling.....4019 Barin, Philadelphia, Pa.  
 3KT Harry L. Sullivan.....1227 Lindley Ave., Philadelphia, Pa.  
 3KU Frederic E. Leonard.....5130 N. 13th St., Philadelphia, Pa.  
 3KV Irvin R. Baker.....N. Central Ave., Chevy Chase, Md.  
 3KW Roger W. Barrington.....R.F.D. No. 3, Gettysburg, Pa.  
 3KX David L. Ott, Jr.....608 Park Ave., Pensauken, N. J.  
 3KY T. Lee Adams.....812 N. Jackson St., Wilmington, Del.  
 3KZ E. J. J. Gobrecht.....427 Asbury Ave., Ocean City, N. J.  
 3LA R. J. Ashe.....122 E. Chestnut St., Hanover, Pa.  
 3LB Edward D. Cohn.....Box 233, Fries, Va.  
 3LC Loyola College (J. W. Kelley).....3659 Twenty-first St., Philadelphia, Pa.  
 3LD James Bowden.....124 Brook St., Boonton, N. J.  
 3LE William Kegelman.....1732 Oregon Ave., Philadelphia, Pa.  
 3LF Joseph A. Miller.....520 W. York St., Philadelphia, Pa.  
 3LG Lloyd Townsend.....128 Madison Ave., Atlantic City, N. J.  
 3LH C. A. Danerth.....127 Mill Rd., Ashbourne, Pa.  
 3LI Geo. E. Metz.....449 N. 20th St., Wayne Jct., Phila., Pa.  
 3LJ Arthur F. Breisch.....946 N. Center St., Bethlehem, Pa.  
 3LK Robt. Pauly.....204 N. New St., Nazareth, Pa.  
 3LL H. Edgar Good.....Bareville, Pa.  
 3LM George C. Sprouts, Jr.....5530 N. American St., Philadelphia, Pa.  
 3LN Lewis P. Tabor.....111 Iona Ave., Narbeth, Pa.  
 3LO Russell Durham.....34 St. Somerville, N. J.  
 3LP Harold O. Landis.....341 N. Front St., Reading, Pa.  
 3LQ R. Freed & Charles G. Yeogley.....Washington & 4th Sts., Royersford, Pa.  
 3LR Bryan S. Fletcher.....1358 S. Carolina Av. SE., Wash., D.C.  
 3LS C. Leslie.....103 N. Broad St., Penns Grove, N. J.  
 3LT Francis T. Eberts.....6224 Lambert St., Philadelphia, Pa.  
 3LU Paul M. McCreary, Jr.....405 Cooper St., Camden, N. J.  
 3LV John V. Doughtan.....1911 E. Tloga St., Philadelphia, Pa.  
 3LW William P. Tynntor.....21 Chestnut St., Millville, N. J.  
 3LX Paul A. Yeger.....1008 Wilkes-Barre St., Easton, Pa.  
 3LY Merwyn W. Gilho.....22 Early St., Morristown, N. J.  
 3LZ Richard G. Elliott.....1 Red Oak Rd., Wilmington, Del.  
 3MA Levi Zook, Jr.....Bareville, Pa.  
 3MB Harold E. Shearer.....733 Madison Ave., Reading, Pa.  
 3MC Lisle J. Sykes.....665 W. Johnson St., Ger., Phila., Pa.  
 3MD Larkia Giles.....916 Delaware Ave., Wilmington, Del.  
 3ME Mort F. Farr.....6 Mason Ave., Drexel Hill, Pa.  
 3MF N. Wright Crowder.....3124 Abell Ave., Baltimore, Md.  
 3MG Archie F. Patton.....601-34th St., Philadelphia, Pa.

3MH Wallace B. & Graham M. Miller.....604 N. 3d St., Reading, Pa.  
 3MI Lewis K. Covington, Jr.....5662 Rodman St., Philadelphia, Pa.  
 3MJ Ralph E. Frazier.....Box 25, New Jersey Av., Absecon, N.J.  
 3MK Arthur B. Brown.....1526 Moran St., Norfolk, Va.  
 3ML Clarence A. Gunther.....443 Pyne Hall St., Princeton, N. J.  
 3MM Orion S. Mock.....432 W. 28th St., Norfolk, Va.  
 3MN Harold Nielsen, Jr.....8751 Frankford Sv., Holm., Phila., Pa.  
 3MO Wm. C. O'Brien, Jr.....706 W. Carey St., Richmond, Va.  
 3MP Harry L. Murphy.....Talbot St., St. Michaels, Md.  
 3MQ Albert W. Zahniser, Jr.....271 Rittenhouse St., Germ'tn, Ph. Pa.  
 3MR James H. Thackery.....145 Kalos St., Philadelphia, Pa.  
 3MS Clifford W. Gilbert.....1546 N. Gratz St., Philadelphia, Pa.  
 3MT Harvey S. Allen.....Wright & Chest. Sts., Pleasantv'e, N.J.  
 3MU Joseph Koval.....Asbury Av. & 7th St., Ocean City, N.J.  
 3MV Anthony E. Weizel.....2025 Bank St., Baltimore, Md.  
 3MW Harold A. Roberts.....1825 Franklin St., Philadelphia, Pa.  
 3MX William C. Fox.....Kromer Ave., Berwyn, Pa.  
 3MY Edward V. Milholland.....2132 N. 7th St., Philadelphia, Pa.  
 3MZ Horace B. Brown.....12 E. Madison St., Baltimore, Md.  
 3NA Marcus Frye, Jr.....314 Cricket Ave., Ardmore, Pa.  
 3NB Henry W. L. Fricke.....616 Elmer St., Vineland, N. J.  
 3NC Wilbur B. Perine.....801 Alsquith St., Baltimore, Md.  
 3ND Richard F. Lusse.....1503 "A" St. S.E., Washin'g., D. C.  
 3NE William B. Batty.....4926 N. 4th St., Philadelphia, Pa.  
 3NF Geo. C. Robinson.....Center St., Sewell, N. J.  
 3NG William C. Butfield.....644 N. 8th St., Richmond, Va.  
 3NH Alfred Cramer 3rd.....2 Rockview Heights, N. Plainfield, N.J.  
 3NI Horace V. Houyoux.....211 Fifth St., Camden, N. J.  
 3NJ Robert Wilson.....4 School Plaza, Franklin N. J.  
 3NK Ladow Hammell.....411 N. 54th St., Philadelphia, Pa.  
 3NL Robert M. Patterson.....Illinois Ave., Absecon, N. J.  
 3NM Charles R. Allen.....Iona Ave., Linwood, N. J.  
 3NN Allen D. Hamor.....244 W. Wyoming Ave., Phila., Pa.  
 3NP Thomas S. Leoser.....5500 N. Sixth St., Philadelphia, Pa.  
 3NQ Donald F. Bahrs.....30 Alhambra Ct., Morristown, N. J.  
 3NR White & Boyer Co.....19 Franklin Ave., Hillton, N. J.  
 3NS Ballard W. Dickson.....812-13th St. NW., Washington D.C.  
 3NT Carroll Melton.....5 Overlea Ave., Overlea, Baltimore, Md.  
 3NU William N. Reiff.....422 Cambridge Cres., Larch, Norfolk, Va.  
 3NV John Rook.....1st Av. & Fayette St., Conshohocken, Pa.  
 3NW John J. Turner.....210 W. North Ave., Waynesboro, Pa.  
 3NX E. L. Langford.....1141 Windrim Ave., Philadelphia, Pa.  
 3NY James M. Chapple.....1820 Oliver St., E. Baltimore, Md.  
 3NZ Edwin D. Steln.....2300 Callow Ave., Baltimore, Md.  
 3OA Wilbur Watson.....3111 Abell Ave., Baltimore, Md.  
 3OB Willard S. Wilson.....Woodside Rd., Madison, N. J.  
 3OC John E. Codman.....705 Adams St., Wilmington, Del.  
 3OD John K. Hilliers.....4116 Spruce St., Philadelphia, Pa.  
 3OE O. W. Lummis.....238-1st St. SE., Washington, D. C.  
 3OF Edgar G. Saabach.....806 Kenmore Rd., Philadelphia, Pa.  
 3OG James F. McCue.....3 Keene Ave., Hamilton, Md.  
 3OH Williamson Buckman.....116 S. New St., West Chester, Pa.  
 3OI Horace A. Beale.....102 N. Clinton Ave., Trenton, N. J.  
 3OJ William S. Gardner.....Parkersburg, Pa.  
 3OK Clarence L. Daugherty, Jr.....Philadelphia Pike, Edge Moor, Del.  
 3OL Samuel Rosencrantz.....13 N. 4th St., Pleasantville, N. J.  
 3OM Paul Lange, Jr.....2901 Aramingo Ave., Philadelphia, Pa.  
 3ON W. Raminoph Church, Jr.....3435 G St., Philadelphia, Pa.  
 3OO B. Carmosin.....Penllyn, Phila. Pa.  
 3OP Ralph Miller.....1654 N. Marshall St., Philadelphia, Pa.  
 3OQ Emerson T. Showell.....136 Hudson St., Reading, Pa.  
 3OR Edward Geyer.....New Jersey Ave., Absecon, N. J.  
 3OS Allen R. Oeser.....3874 Lancaster Ave., Philadelphia, Pa.  
 3OT Irving B. Smith.....113 S. Center St., Merchantville, N.J.  
 3OU Stanley Baldwin.....904 Lindenwood Ave., Ambler, Pa.  
 3OV Wilfred H. Wood.....211 University Parkway, Baltimore, Md.  
 3OW Walter E. Rau.....8 N. Allen Ave., Richmond, Va.  
 3OX Paul H. Gitehns.....2085 Kingston St., Philadelphia, Pa.  
 3OY Victor E. Wilson.....229 S. Church St., Moorestown, N. J.  
 3OZ Emanuel Fuchs.....2861 Garnet St., Philadelphia, Pa.  
 3PA Francis S. Bonner.....1203 Clementine St., Baltimore, Md.  
 3PB Howard R. Miller.....5631 Belmar Terrace, Philadelphia, Pa.  
 3PC Clinton C. Meyers.....6318 Park Ave., Philadelphia, Pa.  
 3PD Sam H. Levin.....1414 McKean St., Philadelphia, Pa.  
 3PE Nelson P. Whittier.....Tome School, Port Deposit, Md.  
 3PF Hillis S. McFadden.....1201 McCulloh St., Baltimore, Md.  
 3PG Ralph P. Bucher.....510 Penn St., Chester, Pa.  
 3PH John D. Reister.....5223 Greenway Av., West Phila., Pa.  
 3PI James P. Snyder.....324 N. Monroe St., Baltimore, Md.  
 3PJ Wellington R. Lake.....117 E. Andrew Ave., Wildwood, N. J.  
 3PK Seton M. Maynadler.....219 S. 2d St., Colwyn, Pa.  
 3PL Stanley G. Flack.....Rehoboth Beach, Del.  
 3PM Chas. S. Horn, Jr.....645 W. Sedgewick St., Philadelphia, Pa.  
 3PN Glenn H. Dunbs.....Rehoboth Beach, Del.  
 3PO Gustave Tabler.....58 Lincoln Ave., Collingswood, N. J.  
 3PP William Mayers.....2026 N. Lambert St., Philadelphia, Pa.  
 3PQ Joseph Trundle.....1113 Market St., Philadelphia, Pa.  
 3PR Wilmer L. Fox.....1022 Monroe St. N.E., Wash., D. C.  
 3PS Bradford Smith, Jr.....2220-35th Place, Washington, D. C.  
 3PT Herman A. Guenzel.....318 Bryn Mawr Ave., Cynwyd, Pa.  
 3PU Penton Sumner.....4424 N. 3d St., Philadelphia, Pa.  
 3PV William L. May.....Hanover Ave., Morris Plains, N. J.  
 3PW Phila. School of Wireless Tel.....Navy Yard, Washington, D. C.  
 3PX Leon Gordon.....Parkway Bldg., 119 Br'd St., Phila., Pa.  
 3PY Willard B. Cramer.....5914 Webster St., Philadelphia, Pa.  
 3PZ Earl D. Smith.....84 Center St., Somerville, N. J.  
 3QA Raymond H. Troth.....219 Rittenhouse St., Washington, D.C.  
 3QB Jay O. Achenbach.....3550 N. 18th St., Philadelphia, Pa.  
 3QC Joe J. Steinmetz.....Wynmoor Ave., Philadelphia, Pa.  
 3QD Albert Rapp.....736 Westview St., Germ., Phila., Pa.  
 3QE Lloyd M. Gress.....4208 Penn St., Philadelphia, Pa.  
 3QF Richard H. Hammond.....38 Asbury, Pitman, N. J.  
 3QG William H. Hermanutz.....118 Walnut Ave., Ardmore, Pa.  
 3QH Otto B. Scheiber.....5037 Orden St., Philadelphia, Pa.  
 3QI Theodore St. J. Porcher.....121 W. 5th St., Lansdale, Pa.  
 3QJ Ralph W. Parkinson.....7708 Navajo St., Philadelphia, Pa.  
 3QK Harold A. Wheeler.....7 Winona Ave., Norwood, Pa.  
 3QL William Leeson.....5503-43d St. NW., Washington, D.C.  
 3QM William H. Reid, Jr.....319 Evergreen St., Woodlyn, N. J.  
 3QN Russell E. Lukens.....4329 Pine St., Philadelphia, Pa.  
 3QO Wilfred P. MacDonald.....227 Spring Mill Av., Conshohocken, Pa.  
 3QP James P. McClary.....30 Woodland Ave., Pitman, N. J.  
 3QQ Frank Shannon.....12 Maple Ave., Flemington, N. J.  
 3QR Charles L. Price.....708 Roosevelt Blvd., Philadelphia, Pa.  
 3QS Charles H. Colman.....43 N. Farnon St., Philadelphia, Pa.  
 3QT Carl C. Llenau.....612-10th St. N.E., Washington, D.C.  
 3QU W. Bradley Martin.....E. Second Ave., Parkersburg, Pa.  
 3QV Linwood G. Lessig.....1128 Silver St., Philadelphia, Pa.  
 3QW Theodore J. Geyer.....1927 N. 20th St., Philadelphia, Pa.  
 3QX James J. Rutledge.....524 Charlotte St., Pottstown, Pa.  
 3QY Julius T. Grother.....3921 Homestead St., Wissinoming, Pa.  
 3R Arthur F. Shaffer.....3160 G St., Philadelphia, Pa.  
 3RA Arthur F. Shaffer.....520 Randolph St., Richmond, Va.  
 3RB Jas. A. & Jos. M. Nassau.....3804 Chatham Rd., Baltimore, Md.  
 3RC F. Hunter Nelson.....1510 N. Gratz St., Philadelphia, Pa.  
 3RD Charles M. Yerkes, Jr.....125 Winona St., Norwood, Pa.  
 3RE Joseph A. Barkley.....3420 S. 17th St., Philadelphia, Pa.  
 3RF William S. Creighton.....2313 W. 17th St., Wilmington, Del.  
 3RG William S. Creighton.....434 Washington Ave., Roanoke, Va.

3RG	Edwin L. Reynolds	503 River Rd., Bethesda, Md.
3RH	Leland C. Quaintance	1357 Columbia Rd., Washington, D. C.
3RI	Fred M. Middleton	337 Chester Ave., Moorestown, N. J.
3RJ	Joseph M. Kagan	207 3rd St. NE., Washington, D. C.
3RK	Reas H. Beresford	501 Triton Ave., Norwood, Pa.
3RL	Marcus Rubin	1909 N. 22d St., Philadelphia, Pa.
3RM	Carlman J. Sautowski	2627 Madison Ave., Baltimore, Md.
3RN	Charles S. Studter	16th & Park Rd., Washington, D. C.
3RO	Russell H. Niedmank	146 Oley St., Reading, Pa.
3RP	H. H. Lyon	Maryland & Arundel Ave., Hyattsville, Md.
3RQ	Wm. A. Cline	5230 Locust St., Philadelphia, Pa.
3RK	Edward L. White	1141 Windrim Ave., Philadelphia, Pa.
3RS	Ernest E. Wright	1704 W. Lantale St., Baltimore, Md.
3RT	Carl A. Rosengarten	3725 Fairmount Av. W. Phila., Pa.
3RU	Bernard Morris	205 Kings Highway, Haddon Hgts., N.J.
3RV	W. E. B. Grant	2822 Walbrook Ave., Baltimore, Md.
3RW	Eugene L. Kraus	653 Spring Ave., Collingswood, N. J.
3RX	Harold C. Riggs & Alan Caine	171 South St., Hightstown, N. J.
3RY	Aolph Fensel	1301 W. Lehigh Av., Philadelphia, Pa.
3RZ	Henry W. Merriam	132 Main St., Newton, N. J.
3SA	William B. Belt	Maryland Ave., Hyattsville, Md.
3SB	Sherrard C. Tupman	1123 Morse St. NE., Washington, D.C.
3SC	William J. Roman	201 Central Ave., Anglesa, N. J.
3SD	Charles H. Steiger	1938 Green St., Harrisburg, Pa.
3SE	James M. Deering	River Rd., Belvidere, N. J.
3SF	John H. Andrews	Lake & Bellona Ave., Govans, Balt., Md.
3SG	Roswell E. Decker	555 Halifax St., Petersburg, Va.
3SH	William L. Greenway	5026 Hazel Ave., Philadelphia, Pa.
3SI	Frederic B. Dunham	36 Collington Place, Somerville, N. J.
3SJ	Andrew A. M. Anderson	735 Lincoln St., Reading, Pa.
3SK	James E. Clarksou	538 S. Patrick St., Alexandria, Va.
3SL	Frank F. Gallo	R.F.D. 2, Box 65, Mays Landing, N.J.
3SM	Robert Adams	710 W. York St., Philadelphia, Pa.
3SN	William S. Vennell	869 Fairview, Camden, N. J.
3SO	John E. Marsteller	828 Kleffer St., Bethlehem, Pa.
3SP	Joseph M. Davis	Main St., Mays Landing, N. J.
3SQ	Robert S. Hall	Clarks Lane, Arlington, Md.
3SR	Wood D. Gerstall	220 Church Rd., Ardmore, Pa.
3SS	Frederick Kummell	2924 Brelghton St., Baltimore, Md.
3ST	Jack Letterman, Jr.	1311 Colonial Ave., Norfolk, Va.
3SU	Arthur B. Chism	3729 M St. NW., Washington, D. C.
3SV	Continental Electric Co.	808-9th St. N.W., Washington, D.C.
3SW	Arthur B. Moore	703 Bolsevain Ave., Norfolk, Va.
3SX	Leonard G. Gottshalk	348 Oak St., Pottstown, Pa.
3SY	Ernst N. Wolfe	Hartford Av. & 6th St., Millford, Pa.
3SZ	Henry E. Sandbridge	Asby Station, Bayard, Va.
3TA	Arthur H. Ross	421 W. Johnson St., Ger., Phila., Pa.
3TB	George F. Yerkes	1160 Princess Ave., Camden, N. J.
3TC	Raymond B. Gamble	7050 Chew St., Mt. Airy, Phila., Pa.
3TD	William E. Wenstrom	Madison St., Fort Washington, Pa.
3TE	J. Elwood Thomas	56 E. Sedwick St., Philadelphia, Pa.
3TF	Colston E. Dyer	Boyce Ave., Ruston, Md.
3TG	Clair L. Wise	2042 Arch St., Philadelphia, Pa.
3TH	F. Russell Shaw	11-3d St., Pleasantville, N. J.
3TI	John H. Sawyer, Jr.	522 Perry St., Trenton, N. J.
3TJ	Orris M. Selph	Box 48, Rio Vista, Va.
3TK	Edward Ferguson	1637 Worrall St., Philadelphia, Pa.
3TL	Kenneth A. Durst	76 S. West Ave., Bridgeton, N. J.
3TM	Robert M. Hoopes	Ambler, Pa.
3TN	Robert Barton	Pikesville, Baltimore, Md.
3TO	James D. Newton	718 N. 63d St., Philadelphia, Pa.
3TP	Louis Goldick	3131 Powelton Ave., Philadelphia, Pa.
3TQ	Wm. P. Johnson	2714 S. 10th St., Philadelphia, Pa.
3TR	George O. Eller	717-7th St. S.E., Washington, D. C.
3TS	J. C. Melghan	917 Dewey Ave., Northampton, Pa.
3TT	Francis W. Adelberger	212 Aberdeen Ave., Wayne, Pa.
3TU	S. Proctor Brady, Jr.	Brooklandville, Baltimore, Md.
3TV	Edward J. Gallagher	344 W. Court St., Doylestown, Pa.
3TW	Edward C. Minor	1629 Hilltop St., Walbrook, Md.
3TX	John A. Cooke	5232 Carline St., Philadelphia, Pa.
3TY	Edward L. Haden Sanson	22 School Lane, Ardmore, Pa.
3TZ	George S. Abdill	125 E. Union St., Burlington, N. J.
3UA	Roy W. Gelger	Orlinsburg, Pa.
3UB	Charles Crouse	226 E. Wona St., Norwood, Pa.
3UC	William B. Small	637 Slinger Ave., Baltimore, Md.
3UD	David C. Boggs	147 Pelham Rd., Philadelphia, Pa.
3UE	Isaac L. Battlin	13 W. Upsal St., Philadelphia, Pa.
3UF	Edward W. Foehle	6 Lee Ave., Willow Grove, Pa.
3UG	Willis R. Lansford	3607-13th St. NW., Wash., D. C.
3UH	Biddle Arthur, Jr.	A. T. O. H. L. U., Bethlehem, Pa.
3UI	Cornwell J. Grifith	809 W. 8th St., Wilmington, Del.
3UJ	Joseph H. Frazer	2611 N. Charles St., Baltimore, Md.
3UK	Paul Todd	Lincoln Highway, Snydam Farms, N. J.
3UL	James D. Cook	1623 Catherine St., Philadelphia, Pa.
3UM	Lorenz Connelly	1728 N. Bond St., Baltimore, Md.
3UN	Carroll Melton	422 Cambridge Cres., Larch, Norfolk, Va.
3UO	Robert Pierson	2931 Market St., Wilmington, Del.
3UP	Chas. D. Mcginnis	430 E. Thompson St., Philadelphia, Pa.
3UQ	Merritt H. Lawshe	Yardley, Pa.
3UR	William Johnson, Jr.	1312 Central Ave., Ocean City, N. J.
3US	Howard Osborn	340 Peach St., Vineland, N. J.
3UT	Henry F. Rollman	1937 Diamond St., Philadelphia, Pa.
3UU	Richmond Public Schools	Marshall bet. 8th & 9th Sts., R'boro'd, Va.
3UV	L. E. Causey	1624 Moran Ave., Norfolk, Va.
3UW	Phillip E. Weeks	824 Haddon Ave., Camden, N. J.
3UX	Luther N. Bell	1362 Mineral Spring Rd., Reading, Pa.
3UY	Harry A. Hastings	1805 Atlantic Ave., Atlantic City, N. J.
3UZ	Clayton Dentzer	612 Weiser St., Reading, Pa.
3VA	Roy W. Gelger	1627 Bonvier St., Philadelphia, Pa.
3VB	Leon Lewis	842 Green St., Reading, Pa.
3VC	Francis Gresham	428 Main St., Salem, Va.
3VD	William S. Moog	Earleigh Hgts. P. O., Tones Sta., Md.
3VE	Samuel S. Kalo	Magnolia, N. J.
3VF	William G. Fischer	4111 N. 9th St., Philadelphia, Pa.
3VG	Collingswood H. S. Radio Club	Collings Ave., Collingswood, N. J.
3VH	Arthur L. Canfield, Jr.	N. Bridge St., Somerville, N. J.
3VI	William C. Marsh, Jr.	302 Davis Rd., Llanerch, Pa.
3VJ	Howard D. Laessle	44 E. Central Ave., Moorestown, N. J.
3VK	James A. Faber, Jr.	437-25th St., Baltimore, Md.
3VL	J. King	1237 Hollis St., Baltimore, Md.
3VM	Clifford S. Mauger	109 S. 10th St., Reading, Pa.
3VN	Nathan A. Perry	17 S. Brighton Av., Atlantic City, N.J.
3VO	H. H. Crow	22 S. Boulevard St., Richmond, Va.
3VP	James N. Bagwell	1643 W. North Ave., Baltimore, Md.
3VQ	Frank Orlando	1948 S. 11th St., Philadelphia, Pa.
3VR	Howell M. Grover	R.F.D. No. 7, West Chester, Pa.
3VS	Thomas F. McNulty	1405 N. Caroline St., Baltimore, Md.
3VT	Harry Bash	1606 Mineral Spring Rd., Reading, Pa.
3VU	Nelson G. Haas	21 Wilson Ave., N. Plainfield, N. J.
3VV	Aloysius A. Kublac	54 Burtis St., Cradock, Va.
3VW	Herbert C. Brooks	1661 Brill St., Frankford, Phila., Pa.
3VX	Horace T. Van Seiter	Cor. Spruce & Ralldr'd Av., Beverly, N.J.
3VY	Frank Yacovelli	Landisville, N. J.
3VZ	Clarence D. Van Fleet	207 E. High St., Somerville, N. J.
3WA	Donald Shinn	437 Locust Ave., Brirlington, N. J.
3WB	William E. Hagenbothan, Jr.	3301 Waldheim Ave., Baltimore, Md.
3WC	Armand Mayer	1652 Mentor St., Philadelphia, Pa.
3WD	Adrian C. Kammeraad	2511 Jupp St., Philadelphia, Pa.
3WE	Jack Sidewater	2516 S. 72d St., Philadelphia, Pa.

3WF	Albert Briggs	Rockford, Wilmington, Del.
3WG	Thomas F. Cope	2517 Huntington St., Philadelphia, Pa.
3WH	Charles J. Ireland	508 Pine St., Millville, N. J.
3WI	Howard S. Frazier	5714 Hazel Ave., Philadelphia, Pa.
3WJ	Robert C. Westerhood	3164 Tulip St., Philadelphia, Pa.
3WK	Sidney L. M. Taylor	17 E. W'nona Ave., Norwood, Pa.
3WL	Edward H. Bryant	Llanerch, Pa.
3WM	William N. Feaster	E. Center Ave., Newton, Pa.
3WN	Albert Hollowell	2518 E. Indiana Ave., Philadelphia, Pa.
3WO	Harry V. Helfrich	3029 St. Paul St., Baltimore, Md.
3WP	Frank C. Hauler	40 Sterling St., Newton, Pa.
3WQ	Walter D. Disney	5306 Etelbert Ave., Baltimore, Md.
3WR	Frank Seemuller	3480 Edgemont St., Philadelphia, Pa.
3WS	Gilbert C. Palphreyman	610 Highland Ave., Palmyra, N. J.
3WT	Howard E. Hoeffner	711 Washington Ave., Palmyra, N. J.
3WU	Richard G. Bright	610 Lincoln St., Easton, Pa.
3WV	Harry J. Connor	2043 Morris St., Philadelphia, Pa.
3WX	Harry N. Hamilton	4427 Sanson St., Philadelphia, Pa.
3WY	I. Earle Aston	Logan Field, Dundalk, Md.
3WZ	Maryland Nat. Gd., 1st Ob. Sqd. 140 E. New St.	Lancaster, Pa.
	J. E. & J. D. Egleson	12 Felton Ave., Ridley Park, Pa.

# Special Radio Stations of the Third District

3XA	Howard Miller	2314 Chestnut St., Philadelphia, Pa.
3XAA	F. E. C. Densten	Baltimore, Md.
3XAB	Virginia Radio Co.	Charlottesville, Va.
3XAD	E. L. Norcross	3134 N. Park Ave., Philadelphia, Pa.
3XAE	Diamond State Fibre Co.	Ford St., Bridgeport, Pa.
3XAF	Elliot Woods	The Capitol Building, Washington, D. C.
3XAG	Westinghouse Electric	214 N. 22d St., Philadelphia, Pa.
3XC	Frank B. Chambers	Philadelphia, Pa.
3XB	Philadelphia Electric Co.	1000 Chestnut St., Philadelphia, Pa.
3XD	E. L. White	1 Columbia St., Cherrydale, Va.
3XE	Walter W. Conners	Care K. B. Berger, Cumoco, Ind.
3XF	Francis M. Baer	1744 Corcoran St. N.W., Wash., D.C.
3XF	Johns Hopkins University	Baltimore, Md.
3XG	Francis M. Baer	1744 Corcoran St. N.W., Washington, D. C.
3XH	L. Stewart Barr	1ue Wyoming, Washington, D. C.
3XI	Catholic University of America	Washington, D. C.
3XJ	St. Joseph College	18th & Thompson Sts., Phila., Pa.
3XK	F. Stratiner	1638 N. Redfield St., Philadelphia, Pa.
3XL	Alfred Crossley	5520 Illinois Ave., Washington, D. C.
3XM	Princeton Univ. Radio Club	Princeton, N. J.
3XN	Virginia Poly Institute	Blacksburg, Va.
3XO	Central High School	Thirteenth & Clifton Sts., Washington, D. C.
3XP	Henry M. Neely	Deianco, N. J.
3XQ	R. W. Worrall	Radio Test Shop, N. Y., Wash., D. C.
3XR	Harris Rogers	Hyattsville, Md.
3XS	George W. Carns	5640 Malcolm St., W. Phila., Pa.
3XT	Louis E. Richwien	208 Harmon St., Baltimore, Md.
3XU	Walter V. Roberts	Princeton University, Princeton, N. J.
3XV	T. Appleby	5847 Ellsworth St., Philadelphia, Pa.
3XW	H. A. Beale, Jr.	Parkesburg, Pa.
3XX	R. Selway Collins	1726 N. Charles St., Baltimore, Md.
3XY	R. L. Hopkins & H. L. Buskey	426 York St., Norfolk, Va.
3XZ	Radio Construction Co.	542 Irving St., Washington, D. C.
3YA	Louis Radio School	401-9th St. N.W., Washington, D.C.
3YC	North East High School	8th & Lehigh Sts., Philadelphia, Pa.
3YE	Staunton Military Institute	Lexington, Va.
3YF	Penn. Marine Wireless School	301 Greble Bldg., Philadelphia, Pa.
3YG	Phila. School of Wireless Teleg.	1533 Pine St., Philadelphia, Pa.
3YH	Young Men's Christian Assn.	Franklin St., Baltimore, Md.
3YI	Knights of Columbus Ser. Sch.	Washington, D. C.
3YK	Virginia Military Inst.	Lexington, Va.
3YL	Knights of Columbus Ser. Sch.	600 "G" St. N.W., Washington, D.C.
3YN	National Radio Institute	1345 Penn. Av. N.W., Wash'ng'd.C.
3YO	Lafayette College	Easton, Pa.
3YP	Villanova College	Villanova, Pa.
3YS	George Washington Univ.	2023 G St. N.W., Washington, D. C.
3YQ	Federal Inst. of Radio Teleg.	Camden, N. J.
3YV	University of Virginia	North Ave., Baltimore, Md.
3YR	Polytechnic Institute	University, Va.
3ZA	C. A. Service, Jr.	Bala, Pa.
3ZAA	J. F. Kay	Walnut St., Buena Vista, Va.
3ZAB	C. L. Zimmerman	Roanoke, Va.
3ZAC	Edwin M. Hartley	Philadelphia, Pa.
3ZB	A. B. Brown (Bliss Elec. Sch.)	Washington, D. C.
3ZD	C. Thompson	Camp Hill, Pa.
3ZE	H. A. Snow	1656 Newton St., Washington, D. C.
3ZF	J. V. Pursell	215 Wootton Ave., Chevy Chase, Md.
3ZG	Allyn E. Seuffert	3936 Locust St., Philadelphia, Pa.
3ZH	H. Hoover, Jr.	2300 S St. N.W., Washington, D. C.
3ZI	R. C. Corderman	Hagerstown, Md.
3ZJ	J. H. Clinton	Philadelphia, Pa.
3ZK	H. M. Quisenberry	23 Edmundson Ave., Lexington, Va.
3ZM	Simon Deibert	Media, Pa.
3ZN	Harold O. Hogan	South Ave., Mt. Washington, Md.
3ZO	H. A. Beale, Jr.	Parkesburg, Pa.
3ZP	Ralph R. Chappell	2112 E. Clay St., Richmond, Va.
3ZQ	Stanley C. Bryce	1942 N. 13th St., Philadelphia, Pa.
3ZS	C. H. Stewart	St. Davids, Pa.
3ZT	George Thomas	South Hill, Whiteford, Pa.
3ZU	Southern Wireless Inst.	423 Courtland St., Baltimore, Md.
3ZV	Samuel W. Place	622 Stratford St., Norristown, Pa.
3ZW	W. A. Parkes	1220 Jackson St., Washington, D. C.
3ZY	Lawrence M. Duncan	Washington, D. C.
3ZZ	A. A. Kublac	Cradock, Va.

# Amateur Radio Stations of the Fourth District

Headquarters, Federal Bldg., Baltimore, Md. The fourth district comprises the states of North Carolina, South Carolina, Georgia, Florida and the territory of Porto Rico.

4AA	Wayne M. Nelson.....	Kernersville, N. C.	4EI	George G. Trammell.....	25 Milledge Ave., Atlanta, Ga.
4AB	William A. French, Jr.....	107 S. 4th St., Wilmington, N. C.	4EJ	Fred A. Sommers.....	421-1st St., Miami, Fla.
4AC	Lee Smith.....	229 Main St., Reidsville, N. C.	4EK	DuPont G. Kinney.....	305 Cherokee Ave., Macon, Ga.
4AD	Raymond A. Saeger.....	Ankora, Fla.	4EL	Leonard J. Hohne.....	8 W. 43d St., Savannah, Ga.
4AE	W. Y. Andrews.....	Indians Springs, Jackson, Ga.	4EM	Russell L. McCall.....	39 E. Merritts Ave., Atlanta, Ga.
4AF	Francis Jenkins.....	1246 W. 4th St., Winston-Salem, N.C.	4EO	Taylor M. Simpson.....	411 Cherry St., Winston-Salem, N. C.
4AG	Wilbur B. Pope.....	197 Dearing St., Athens, Ga.	4EP	Charles E. Kelly.....	303 N. Moreland St., Atlanta, Ga.
4AH	Henry Broden.....	1304 Myrtle Ave., Jacksonville, Fla.	4EQ	George W. Bacon.....	R. F. D. No. 4, Raleigh, N. C.
4AI	Doules Golings.....	510 S. Broad St., Rome, Ga.	4ER	E. W. Winterborn.....	277 Glenwood Ave., Atlanta, Ga.
4AJ	Richard F. Morse.....	525 E. 2d St., Jacksonville, Fla.	4ES	George H. Nichols.....	184 Casende Ave., Atlanta, Ga.
4AK	Harry D. Arnold.....	Bay St., Eustis, Fla.	4ET	Alonso O. Blas, Jr.....	127-10th St., Miami, Fla.
4AL	Chas. W. Clodfelter.....	42 S. Pleasant St., Wms.-Salem, N.C.	4EU	T. C. Green.....	329 Sumter St., Columbia, S. C.
4AM	Jefferson C. Davis.....	76 Metcalf St., New Bern, N. C.	4EV	Edward Fox.....	13 Travis Ave., Charlotte, N. C.
4AN	Melvin T. Hill.....	447 Brevard St., Arcadia, Fla.	4EW	P. C. Herauld.....	355 N. Boulevard St., Atlanta, Ga.
4AO	Jesse I. Hoffman.....	1020 E. North Ave., Atlanta, Ga.	4EX	Albert Davis.....	1506 Dock St., Wilmington, N. C.
4AP	Walter E. Dobbins, Jr.....	Orange Ave., Sarasota, Fla.	4EY	Bradford Sanders.....	401 Road St., Elizabeth City, N. C.
4AQ	Leon W. Pickett.....	211 Lee St., Tampa, Fla.	4EZ	William J. Overman.....	509 N. Road St., Elizabeth City, N. C.
4AR	Fred L. James.....	Lamont St., Log Cab. Hgts., Macon, Ga.	4FA	Clarence F. Clark.....	19 Reynolds St., Jacksonville, Fla.
4AS	Edward K. Cargill.....	1025 Eaton St., Key West, Fla.	4FB	Francis E. Beaudry.....	421 West End Blvd., Winston-Salem, N. C.
4AT	Joe L. Cruse.....	87 Forrest Ave., Atlanta, Ga.	4FC	Aaron Bush.....	480 Melgs St., Athens, Ga.
4AU	Wm. A. Ward, Jr.....	109-26th St., Columbus, Ga.	4FD	Howard W. McCutcheon.....	465 Crew St., Atlanta, Ga.
4AV	Cally E. Thompson.....	410 N. Oliver St., W. P'm Beach, Fla.	4FE	Ernest H. Brack.....	Midville, Ga.
4AW	Rufus M. Robbins.....	21 Walker Terrace, Atlanta, Ga.	4FF	John M. Sifton, Jr.....	304 W. Earle St., Greenville, S. C.
4AX	Marvin C. Smith.....	45 W. 11th St., Atlanta, Ga.	4FG	Derek S. Brettenbach.....	216 W. 31st St., Savannah, Ga.
4AY	Louis Rucker.....	29 Albemarle Ave., Atlanta, Ga.	4FH	Madison G. Nicholson, Jr.....	208 Hull St., Athens, Ga.
4AZ	Philip C. Bangs.....	202 Ridley Ave., Lagrange, Ga.	4FI	Romie L. Melton.....	Cherryville, N. C.
4BA	Chas. W. Corless, Jr.....	1805 Jenkins St., Augusta, Ga.	4FJ	Harry C. Wheat.....	104 Grand St., Gaffney, S. C.
4BB	E. H. Diemler.....	Oliver St., West Palm Beach, Fla.	4FK	John C. Candier.....	East Lake Drive, Atlanta, Ga.
4BC	Baldwin Ohlhaber.....	307 N. 4th St., Wilmington, N. C.	4FL	Frank K. Shaw.....	524 White St., Atlanta, Ga.
4BD	Ernest S. Bullock.....	214 Campbell St., Petersburg, N. C.	4FM	John Persons.....	Talbotton, Ga.
4BE	Chas. A. Roethlinger.....	1601 S. 13th St., St. Petersburg, Fla.	4FN	Carlton L. Craig.....	141 Glenwood St., Atlanta, Ga.
4BF	L. W. McClung.....	51 Elizabeth St., Atlanta, Ga.	4FO	Alfred Rumble.....	234 Oak Haven Ave., Macon, Ga.
4BG	Hiram Martin.....	915-7th St., Miami, Fla.	4FP	Geddie R. Smathers.....	329 E. Liberty St., Charlotte, N. C.
4BH	Carl L. Donaldson.....	42 E. 12th St., Atlanta, Ga.	4FQ	James N. Plaster.....	512 N. High'd Av., Wms.-Salem, N.C.
4BJ	Pedro Rodriguez.....	50 Flores St., Catano, Porto Rico	4FR	William C. Etheredge.....	144 E. Main St., Spartanburg, S. C.
4BK	G. Pierce Rankin.....	155 Boulevard Ave., Macon, Ga.	4FS	Clarence J. Davies.....	805 Lafayette St., Tampa, Fla.
4BL	Lucius W. and Thos. E. Bryant.....	307 W. Hillcrest St., Lakeland, Fla.	4FT	Fred W. Wienberg, Jr.....	819 W. State St., Jacksonville, Fla.
4BM	David E. Day.....	228 Spring St., Winston-Salem, N. C.	4FU	Donald R. McFarsley.....	Masonboro Sound, Wilmington, N. C.
4BN	Henry F. Frick.....	101 Swann Ave., Tampa, Fla.	4FV	K. L. Peacock.....	1-7th St. SE, Miami, Fla.
4BO	Manuel Fernandez.....	P. O. Box No. 201, Key West, Fla.	4FW	Carl Master, Jr.....	182 South Ave., Atlanta, Ga.
4BP	Maurice D. Clark.....	1924 Swift St., Jacksonville, Fla.	4FX	Dons Brown.....	Talbotton, Ga.
4BQ	Gordon L. Hight.....	200 E. 9th St., Rome, Ga.	4FY	Harris E. Gaffney.....	Victoria Ave., Gaffney, S. C.
4BR	Samuel Mishler.....	Biscayne, Fla.	4FZ	Charlie F. Walker.....	731 Elliott St., Atlanta, Ga.
4BS	W. E. Wood.....	1711-1st Ave. NE, Miami, Fla.	4GA	John A. Sellas.....	206 E. St., Tampa, Fla.
4BT	Davis Hightower.....	267 Marietta St., Atlanta, Ga.	4GB	G. H. Lehmann.....	504 Collice St., Decatur, Ga.
4BU	George B. King.....	101 Post St., Jacksonville, Fla.	4GC	William T. Rich.....	116 Peachtree Circle, Atlanta, Ga.
4BV	Paul J. Simmons.....	304 E. Oak St., Arcadia, Fla.	4GD	Roland R. Hall.....	139 Myrtle St., Atlanta, Ga.
4BW	Wm. M. Sampler.....	209 Beech Ave., Macon, Ga.	4GE	H. W. Whithy.....	124 Belmont St., Pensacola, Fla.
4BX	Gordon S. Smith.....	107 N. 6th St., Wilmington, N. C.	4GF	Robert R. Brewin.....	21 E. 38th St., Savannah, Ga.
4BY	John E. Hodge.....	911 Abercorn, Savannah, Ga.	4GG	Albert R. Foy.....	5-40th St., E., Savannah, Ga.
4BZ	Broughton W. Benning.....	50 Whiteford Ave., Atlanta, Ga.	4GH	Robert L. Byrum.....	131 Poplar St., Winston-Salem, N. C.
4CA	George D. Humphrey.....	402 N. 4th St., Wilmington, N. C.	4GI	W. J. & E. A. Jackson.....	17 Monroe Place, Asheville, N. C.
4CB	Jas. E. Walker.....	Jacksonville & Florida Ave., Tampa, Fla.	4GJ	Ellsworth S. Allen.....	122 E. 11th St., Jacksonville, Fla.
4CC	Jas. T. Morehead.....	215 Eugene St., Greensboro, N. C.	4GK	E. A. Dupres.....	R. F. D. No. 2, Raleigh, N. C.
4CD	Chas. L. Pierce.....	221 W. Peachtree St., Atlanta, Ga.	4GL	Andrew J. Harris.....	309 Wrightsville Av., Wilmington, N.C.
4CE	Frank L. Bunker.....	505 Crescent Ave., Charlotte, N. C.	4GM	Frederic A. Hill.....	1223 E. Duff St., Savannah, Ga.
4CF	Isaac R. Guthrie.....	45 E. 18th St., Jacksonville, Fla.	4GN	Austin L. Reese.....	21 W. 14th St., Atlanta, Ga.
4CG	Le Roy Edwards.....	32 Prospect Place, Atlanta, Ga.	4GO	Joe B. Jones.....	Midville, Ga.
4CH	Harvey J. Crane.....	3122 N. W. Second Ave., Miami, Fla.	4GP	Roy J. Boston.....	461 Crew St., Atlanta, Ga.
4CI	Francis L. McCallum.....	10 Sevilla St., St. Augustine, Fla.	4GQ	James F. Jones.....	434 Dougherty St., Athens, Ga.
4CJ	Q. L. Graves.....	Homestead, Fla.	4GR	Francis E. Johnston.....	124 E. Hill St., Savannah, Ga.
4CK	Wm. E. Lineback, Jr.....	843 Piedmont Av., Wms.-Salem, N. C.	4GS	Harold T. Acton.....	41 Virginia Circle, Atlanta, Ga.
4CL	Wendell C. Roberts.....	15 Oak St., Commerce, Ga.	4GT	Marrin B. Smith.....	502 W. Davis St., Burlington, N. C.
4CM	Winston J. Jackson.....	49 Mason Ave., Asheville, N. C.	4GU	F. J. Guldfrida, Jr.....	447 Washington St., Atlanta, Ga.
4CN	Will B. Short.....	78 W. North Av., Atlanta, Ga.	4GV	Klaer J. Crawford.....	716 Main St., Macon, Ga.
4CO	Ras. Maynard Cleveland.....	118 Adair St., Decatur, Ga.	4GW	Robert J. Morrison.....	Cherryville, N. C.
4CP	P. C. Herauld.....	Care of G. R. & P. Co., Atlanta, Ga.	4GX	Raiph R. Kibbler.....	59 Woodfin St., Asheville, N. C.
4CQ	Earl J. Gluck.....	1418 E. 7th St., Charlotte, N. C.	4GY	Robert O. Holland.....	P. O. Box 283, Sanford, N. C.
4CR	Lewis A. Connolly.....	3100-10th St., Tampa, Fla.	4GZ	Reginald Isley.....	808 W. Davis St., Burlington, N. C.
4CS	Theo. H. Abbey.....	138 W. Baker St., Atlanta, Ga.	4HA	R. M. Barnes.....	256 Lee St., Atlanta, Ga.
4CT	M. H. Gaston.....	307 Covington St., Jackson, Ga.	4HB	T. Aubrey White.....	415 Wrightsville Av., Wilmington, N.C.
4CU	Richard C. Chapman.....	262 Juniper St., Atlanta, Ga.	4HC	Frank G. Wickersham.....	534 Main St., College Park, Ga.
4CV	James R. Mathewson.....	310 Main St., Reidsville, N. C.	4HD	Thornton LaHatti.....	614 Capitol Ave., Atlanta, Ga.
4CW	Charles S. Johnson.....	Windsor Hotel, Jacksonville, Fla.	4HE	Gus H. Klinek.....	1 Trapman Ave., Charleston, S. C.
4CX	Roy Livinville.....	646-13th St., Winston-Salem, N. C.	4HF	John J. Fogarty.....	707 Azeele St., Tampa, Fla.
4CY	James T. Morris.....	130 Ashby St., Atlanta, Ga.	4HG	Godfrey J. Pfeiffer.....	702-5th St., Augusta, Ga.
4CZ	Gordon H. McSwain.....	303 E. Magnolia St., Arcadia, Fla.	4HH	Scott Williams.....	914 Ball St., Tampa, Fla.
4DA	Faundo Bueso.....	Stop 35 1/2 Mill'ry Rd., R.P., Porto Rico	4HI	C. L. Moore.....	1901 Tallaferrero St., Tampa, Fla.
4DB	Lowell F. Grubbs.....	511 M St., West Palm Beach, Fla.	4HJ	Theodore D. Bayley.....	117 Forrest St., Decatur, Ga.
4DC	William M. Boyst.....	307 Walman Ct., Greensboro, N. C.	4HK	Edward Smith.....	315 St. Johns Av., S. Jacksonville, Fla.
4DD	J. Preston Hook.....	84 E. North Ave., Atlanta, Ga.	4HL	John Womack.....	161 Main St., Reidsville, N. C.
4DE	Wm. A. Marsh.....	Cor. 3d Ave. & 25th St., Miami, Fla.	4HM	John C. Waller.....	27 Vinzant St., Jacksonville, Fla.
4DF	Kirkpatrick Simmons.....	1840 Peachtree Rd., Atlanta, Ga.	4HN	Millard S. Alexander.....	55 Kalb Ave., Atlanta, Ga.
4DG	Jim W. Sprattlin.....	17 Norcross St., Atlanta, Ga.	4HO	Thomas W. Detoch.....	513 Indian St., Savannah, Ga.
4DH	John Banks, Jr.....	115 Broad St., Lagrange, Ga.	4HP	William E. Merck.....	W. 3d St., Jackson, Ga.
4DI	Ferdinand E. Krieger.....	260 Kelly St., Statesville, N. C.	4HQ	Alexander H. Stewart, Jr.....	204 Buford Place, Macon, Ga.
4DJ	Jas. M. Freeman.....	579 N. Jackson St., Atlanta, Ga.	4HR	Francis W. Taylor.....	222 W. DeSoto St., Pensacola, Fla.
4DK	Jas. Wadsworth.....	1460 Evergreen Ave., Jacksonville, Fla.	4HS	George Wrigley.....	311 E. Park Ave., Greenville, S. C.
4DL	Chas. P. Davidson.....	661 Park St., Statesville, N. C.	4HT	Virginius B. Bayliss.....	337 Juniper St., Atlanta, Ga.
4DM	James R. Wilke.....	36 Ripley St., Atlanta, Ga.	4HU	Gugton V. Harvey.....	1064 Walnut St., Macon, Ga.
4DN	Harry F. Dobbis.....	427 Peachtree St., Atlanta, Ga.	4HV	John P. Smith.....	Ocean Blvd., West Palm Beach, Fla.
4DO	Harry L. Hamilton.....	584 South Blvd., Atlanta, Ga.	4HW	Herman E. Kennedy.....	Hillston Rd., West Raleigh, N. C.
4DP	Charles J. Napier.....	202 S. W. 10th Ave., Miami, Fla.	4HX	Louis Wade, Jr.....	114 Millrose Ave., Decatur, Ga.
4DQ	Henry P. Woodward.....	616 Davis Ave., Statesville, N. C.	4HY	Thos. L. Brandon.....	134 Venable St., Atlanta, Ga.
4DR	Ross R. Parthill.....	S. King St., Jacksonville, Fla.	4HZ	Richard L. DeSassure.....	708 London St., Brunswick, Ga.
4DS	Wexler S. Malone.....	246 Hillside St., Asheville, N. C.	4IA	Gifford Grange.....	Route 1, Box 103 S. Jacksonville, Fla.
4DT	Clarence & Eugene H. White.....	510 Park Ave., Lagrange, Ga.	4IB	John H. Hunter.....	247 Juniper St., Atlanta, Ga.
4DU	Thomas Fuller.....	136 E. 17th St., Atlanta, Ga.	4IC	Federal Board School.....	U.S.P.S.H. No. 26, Greenville, N. C.
4DV	James M. Balrd.....	Eberhardt Ave., Columbus, Ga.	4ID	Eloy C. Cormack.....	1320 N. W. 8th Court, Miami, Fla.
4DW	New Hanover H. S. Radio Club.....	Market St., Wilmington, N. C.	4IE	Joseph H. Robertson.....	600 W. Council St., Salisbury, N. C.
4DX	Jno. B. Knight, Jr.....	902 N. Main St., Greenville, S. C.	4IF	French Broad Camp.....	Brevard, N. C.
4DY	Henry H. Pike.....	206 Park Ave., Lagrange, Ga.	4IG	Leonard Tood.....	525 Oklawaha Ave., Ocala, Fla.
4DZ	Louis S. Bookwalter.....	N. Polinsettia St., W. P. Beach, Fla.	4IH	Seymour Dane.....	Homestead, Fla.
4EA	Albert W. Parker.....	15 Change St., New Bern, N. C.	4II	Francis V. Long.....	BocaRatone, Fla. BocaRatone, Fla.
4EB	B. W. Cochran.....	Palmetto, Ga.	4IJ	Marlin F. Harrod.....	1204 E. Washington St., Orlando, Fla.
4EC	Carl Schuster.....	204 N. 3d St., Wilmington, N. C.	4IK	Hugh T. Schliestett.....	Box No. 8, R.F.D. 1, Cedartown, Ga.
4ED	Stephen L. Boyett.....	214 Verne St., Tampa, Fla.	4IL	Jose Sanches.....	221 Simonton St., Key West, Fla.
4EE	John F. Allen.....	707 W. Pine St., Orlando, Fla.	4IM	Edward L. Bailey.....	55 Poplar Circle, Atlanta, Ga.
4EF	Guy E. Pigford.....	513 Chestnut St., Wilmington, N. C.	4IN	L. LeGare Hardon, Jr.....	2801 Millwood Ave., Columbia, S. C.
4EG	William C. Etheredge.....	36 E. Georgia St., Woodruff, S. C.			
4EH	Harry A. Cole.....	335 Hill St., Atlanta, Ga.			



4IO	Emory Rumble	234 Oak Haven Ave. Macon, Ga.
4IP	Benjamin E. Moore, Jr.	54 Craven St. New Bern, N. C.
4IQ	Ellis R. Curry	1309 Petronia St., Key West, Fla.
4IR	William C. Lane, Jr.	28 Hawkins Ave., Sanford, N. C.
4IS	James D. Blitch	331 N. Main St., Statesboro, N. C.
4IT	John A. Braddy	210 Franklin St., Dublin, Ga.
4IU	Percy H. Carr	824 Union St., Ganey, S. C.
4IW	Forrest D. Phigrim	73 Bradford St., Gainesville, Ga.
4IX	Loren V. Davis	16th & Lake Blvd., St. Petersburg, Fla.
4IY	Forrest B. Duncan	Tunates, Fla., Tunares, Fla.
4IZ	Frederick S. Davenport, Jr.	396 Grant St., Atlanta, Ga.
4JA	William Moore	339 Plant Ave., Tampa, Fla.
4JB	Geo. & Donald Perrine	152 Jefferson Place, Decatur, Ga.
4JC	Iring E. Lassiter	Jonesboro, N. C.
4JD	Richard P. Hitchman	308 S. Lewis St., LaGrange, Ga.
4JE	Edward Powell	206 S. Lewis St., LaGrange, Ga.
4JF	Juquin Aguity	3 San Joseph St., San Juan, Porto Rico
4JG	William Woodruff	242 Ponce de Leon St., Decatur, Ga.
4JH	James J. Cushman	1502 N. E. Miami Place, Miami, Fla.
4JI	Matland Solomon	309 College St., Macon, Ga.
4JJ	Thomas Litschauer	Winter Park, Fla.
4JK	William T. Booth	272 Lee St., Atlanta, Ga.
4JL	Claude Wells	1309 Buncumce St., Greenville, S. C.
4JM	Carleton N. Huggis	90 Lawton St., Atlanta, Ga.
4JN	Royal C. Carpenter	108 Elizabeth Lane, East Point, Ga.
4JO	James D. Smith	92 Park Ave., Atlanta, Ga.
4JP	Ben. Torrey	452 S. McIntosh St., Ellertown, Ga.
4JQ	W. F. Franklin	1101 Selma Ave., Tampa, Fla.
4JR	Robert E. Grunert	612 S. Poplar St., Winston-Salem, N.C.
4JS	John W. Perry	868 E. North Ave., Atlanta, Ga.
4JT	Edward R. Hall	252 Ponce de Leon St., Decatur, Ga.
4JU	Herring Hendrick DePaPote	Township N. 44 Range, Ala., Fla.
4JV	Louis Greason	107 Moody Ave., Tampa, Fla.
4JW	Albert P. Graham	34 Putayo St., San Juan, Porto Rico
4JX	Sam H. Lamb	311 Pearl St., Elizabeth City, N. C.
4JY	Daniel B. Blair	20 Grady Place, Atlanta, Ga.
4JZ	Edward R. Hall	2301 Central Ave., St. Petersburg, Fla.
4KA	A. B. Meyer	510 S. Second Ave., St. Petersburg, Fla.
4KB	William J. Poeser	525 Beecher St., Atlanta, Ga.
4KC	James H. Raffo	108 Third Ave., Tampa, Fla.
4KD	Thomas Freet	47 Balrd St., Asheville, N. C.
4KE	Luke I. Nims	105 Brookline St., Atlanta, Ga.
4KF	Thomas T. Earle	311 Hampton Ave., Greenville, S. C.
4KG	Charles G. McElroy	617 Willow St., Tampa, Fla.
4KH	John J. Pearson	34 Josephine St., Atlanta, Ga.
4KI	John R. Shaw	524 White St., Atlanta, Ga.
4KJ	Henry L. Eskew	401 Lloyds St., Greenville, S. C.
4KK	Edmund G. Code	167-199 Ashley Ave., Charleston, S. C.
4KL	Carl F. Winard	165 Kelly St., Atlanta, Ga.
4KM	Joseph C. Fleming	106 Powell St., Atlanta, Ga.
4KN	Lloyd K. Russ	22 Cherry St., Atlanta, Ga.
4KO	Howard Wendt	Rout. 1 Box 135A, S. Jackson's, Fla.
4KP	Francis H. Kaufman	713 S. Palmetto Ave., St. Petersburg, Fla.
4KQ	James O. St. John	146 Greenville St., Newnan, Ga.
4KR	Hi-Grade Wireless Inst. Co.	47-49 Zillcoia St., Nashville, N. C.
4KS	Hi-Grade Wireless Inst. Co.	47 Zillcoia St., Asheville, N. C.
4KT	Jose M. Maduro Ramos	37 Allen St., San Juan, Porto Rico
4KU	Henry L. Reid	69 E. Park Lane, Atlanta, Ga.
4KV	Aaron Hall	116 McAfee St., Atlanta, Ga.
4KW	Francis A. Saxon	227 Greene St., Augusta, Ga.
4KX	Galloway G. Reynolds	County Club Rd., Winston-Salem, N.C.
4KY	William M. Pritchard	500 N. Tronon St., Valdosta, Ga.
4KZ	William E. Fennell	Tickenham Terrace, Savannah, Ga.
4LA	Othello E. Greer	445 Bramley St., Spartanburg, S. C.
4LB	Phineas E. Ritchie	3 Posey Ave., Little River, Fla.
4LC	Joseph H. Dean	204 Matthews St., Elizabeth City, N.C.
4LD	Robert E. Autrey	62 Hayden St., Atlanta, Ga.
4LE	Guy E. Pigford	505 Peachtree St., Atlanta, Ga.
4LF	Ernest B. Vordermark	1804 Market St., Jacksonville, Fla.
4LG	Enrique Camunas	3 San Joseph St., San Juan, Porto Rico
4LH	Fred J. Wadford, Jr.	1009 N. Fourth St., St. Peter's, Fla.
4LI	Joseph K. Reeves	165 Weddell St., Athens, Ga.
4LJ	Allie Hese	119 Poplar St., Winston-Salem, N. C.
4LK	Henward Addison	237 David St., Greenville, S. C.
4LL	Arthur M. Burt	163 Oak St., Atlanta, Ga.
4LM	A. G. Sanders, Jr.	149 Venable St., Atlanta, Ga.
4LN	E. P. Clamplitt	906 Worthington Ave., Charlotte, N. C.
4LO	Monroe Sawyer	124 Jefferson St., Decatur, Ga.
4LP	Edwin W. Webb, Jr.	215 S. Washington St., Shelby, N. C.
4LQ	James T. Chears	301 Endor St., Sanford, N. C.
4LR	Harrison M. Haskell	Washington Ave., Eustis, Fla.
4LS	Sam E. Leach	318 W. 8th St., Jacksonville, Fla.
4LT	Allred A. Arbogast	108 Montford Ave., Asheville, N. C.
4LU	George R. Clough	802 Sarasota St., Bradenton, Fla.
4LV	Charles H. Humphreys	681 College St., Macon, Ga.
4LW	George F. Seyfert	Cameron Ave., Chapel Hill, N. C.
4LX	Andrew Hill	139 Reynolds St., Jacksonville, Fla.
4LY	Thomas A. Freet	47 Balrd St., Asheville, N. C.
4LZ	Sammel M. Brewer	76 N. Mayson Ave., Atlanta, Ga.
4MA	Richard C. M. Calvert, Jr.	151 High St., Oxford, N. C.
4MB	Frank Q. Little	53 Broad St., Commerce, Ga.
4MC	Verne A. Wheelless	103 Idlewild Park, Orlando, Fla.
4MD	James W. Rainey	Statham, Ga.
4ME	James W. Marchman	620 Highland Ave., Atlanta, Ga.
4MF	Elmer A. Donahue	109 Bloodworth St., Raleigh, N. C.
4MG	Robert S. Thompson	315 Neely St., West Point, Ga.
4MH	Benjamin S. Medford	57 Gillman St., Oxford, N. C.
4MI	Palsey G. Ienhour	Fairview Cottage, Asheville, N. C.
4MJ	Walter E. Calloway	LaGrange, Ga.
4MK	Wesley Clark	19 Moore St., Sanford, N. C.
4ML	Henry E. Ringling	419 Orange St., Eustis, Fla.
4MM	Loren W. Griswold	184 Waller St., Jacksonville, Fla.

4MN	Victor J. Settle	492 Athens St., Winder, Ga.
4MO	William F. Allston	13 Government St., Asheville, N. C.
4MP	Walter A. Meador	U. S. Gort. Reservation, Ocon, N. C.
4MQ	Bernard C. Goodson	1626 N. W. 7th Ave., Miami, Fla.
4MR	William C. Walton, Jr.	1216 West Ave., Carterville, Ga.
4MS	Edward J. Collins	922 N. 8th Ave., Pensacola, Fla.
4MT	Stephen R. Middleton	142 Washing'g St., St. Augustine, Fla.
4MU	Frederick R. Freyer	2425 Bull St., Savannah, Ga.
4MV	Walter F. Newman	718 Marshal St., Winston-Salem, N.C.
4MW	William L. Dunn, Jr.	Hillside St., Asheville, N. C.
4MX	Potomun L. Weeks	653 Sycamore St., Decatur, Ga.
4MY	Richard E. Dodd	4 E. 13th St., Atlanta, Ga.
4MZ	Marden Liles	1808 Osceola St., Tampa, Fla.
4NA	Joseph L. Murphy, Jr.	306 Thomson St., East Point, Ga.
4NB	Samuel W. Reeves	5 Chamblin St., Woodruff, S. C.
4NC	Ernest A. Yates	N. Beach St., Key West, Fla.
4ND	James O. Turner	223 Third St., Albany, Ga.
4NE	John H. Webb	Naranja, Fla.
4NF	Raymond B. Smith	68 Augusta Ave., Atlanta, Ga.
4NG	Albert L. Fain	240 Wellington St., Atlanta, Ga.
4NH	Alunzo M. Norris	35 Jackson St., Newnan, Ga.
4NI	Royce E. Woodall	Fairburn, Ga.
4NJ	Thomas B. Wetmore	Ardon, N. C.
4NK	John W. Lang	704 E. Dadsden St., Pensacola, Fla.
4NL	J. Fred Tech	243 White Oak St., High Point, N. C.
4NM	Wesley Robinson	St. Marys, Ga.
4NN	James G. Griffin	Estonton, Ga.
4NO	Harvey Diltmore, Jr.	2022 Liberty St., Jacksonville, Fla.
4NP	Chester B. Johnson	921-26th Ave., Tampa, Fla.
4NQ	Boy Scouts of Am., Macon Co. Camp	Mason, Perry, Ga.
4NR	Manuel Ritter	407-17th Ave., Tampa, Fla.
4NS	Fred B. Lav	60 Penn Ave., Atlanta, Ga.
4NT	Berry L. Hinnant	211 W. Nash St., Wilson, N. C.
4NU	Harold D. Potter	621 Pine St., Orlando, Fla.
4NV	Robert H. Day	232 Spring St., Winston-Salem, N. C.
4NW	Freeman Self	25 Brantley St., Atlanta, Ga.
4NX	Engene G. Zacharias	133 Barnett St., Atlanta, Ga.
4NY	Edward B. Arnold	502 Gloucester St., Brunswick, Ga.
4NZ	Robert O. Wilder	102 Fannin St., LaGrange, Ga.
4OA	James H. Lewis	188 St. Charles Ave., Atlanta, Ga.
4OB	Houston Wall	1407 Nance Ave., Tampa, Fla.
4OC	Charles H. Summers, Jr.	210 Palmetto St., W. Palm Bch., Fla.
4OD	Harry F. Taylor	186 Jackson St., Newnan, Ga.
4OE	Christy J. Holdorf	Winter Park, Fla.
4OF	Panthen Moore	54 Fairview Rd., Atlanta, Ga.
4OG	Robert M. Ammons	35 Main St., LaGrange, Ga.
4OH	W. M. Todd, Jr.	Apt. 14, 40 Cooper St., Atlanta, Ga.
4OI	Luis Rezaeh	Ponce de Leon St., San J'n, Porto Rico
4OJ	Fred L. Brown	Plant City, Fla.
4OK	Boy Scouts of Am., Troop 11	143 Bull St., Savannah, Ga.
4OL	Jas. M. Wilder	108 Fannin St., LaGrange, Ga.
4OM	F. H. Phillips, Jr.	117 W. Ray St., Jacksonville, Fla.
4ON	Warren O. Rogers, Jr.	118 L. Latham St., Atlanta, Ga.
4OO	J. B. Henslee	301 W. Taylor St., Griffin, Ga.
4OP	Raymond O. Ward	Winter Park, Fla.
4OQ	R. S. Strance	145 Oak St., Atlanta, Ga.
4OR	Harold A. Ward	Winter Park, Fla.
4OS	Joseph E. Hannah, Jr.	34 Greenville St., Newnan, Ga.
4OT	Stanley H. Rogers	118 Latham St., Atlanta, Ga.
4OU	Newton G. Ebaugh	Alexander Apts., Winston-Salem, N. C.
4OV	Thomas Powell	130 Main St., Rocky Mount, N. C.
4OW	Ralph W. Cohen	Beaufort, S. C.
4OX	Lawson E. Hill	628 W. Untr. Ave., Gainesville, Fla.

## Special Radio Stations of the Fourth District

4XA	Emory University	Atlanta, Ga.
4XB	Board of Public Education	Savannah, Ga.
4XC	B. W. Benning	50 Whiteford St., Atlanta, Ga.
4XE	William P. Short	679 Spring St., Atlanta, Ga.
4XF	Chas. L. Plerac	221 W. Peachtree St., Atlanta, Ga.
4XH	Henson E. Bussey	49 W. 12th St., Atlanta, Ga.
4XI	Winter Park El. Const. Co.	Winter Park, Fla.
4XK	Mercer University	Macon, Ga.
4XL	Bryan Electric Co.	Atlanta, Ga.
4YA	Georgia School of Tech.	Atlanta, Ga.
4YB	Knights of Columbus	118 E. Bay St., Savannah, Ga.
4YJ	Knights of Columbus	War Activities School, Atlanta, Ga.
4ZB	Georgia Railway & Power Co.	75 Marietta St., Atlanta, Ga.
4ZC	University of Florida	Gainesville, Fla.
4ZD	Piedmont Electric Co.	21 Citizens Bldg., Asheville, N. C.
4ZE	J. C. Kellow	Route C, S. Jacksonville, Fla.
4ZF	Thurston Hatcher	142 Adams St., Decatur, Ga.
4ZN	Otis A. Gullette	Riverside Drive, Fort Pierce, Fla.



THE Citizens Radio Call Book is the only book on the market costing less than one dollar.

We believe those interested in Radio Communication will appreciate the way this book is put up and will look forward to each issue, November and May—twice yearly. Completely re-assembled, all changes, cancelled calls and re-assigned licenses will be put in each issue, and the price will be only fifty cents. Any suggestions towards the improvement of this book will be greatly appreciated—we want to give you the best call book that can be made.

# Amateur Radio Stations of the Fifth District

Headquarters, Customhouse, New Orleans, La. The fifth district comprises the States of Alabama, Mississippi, Louisiana, Texas, Tennessee, Arkansas, Oklahoma, and New Mexico.

5AA	C. R. Randall	2813 Calhoun St., New Orleans, La.	5AEI	Harry Michael Donnelly	215 James Ave., Goose Creek, Tex.
5AAA	Cecil Adair	3516 Swiss Ave., Dallas, Tex.	5AEJ	Fred M. Allison Motors	632 N. Beaton St., Corsicana, Tex.
5AAB	Sidney R. Lanier	1210 Gallatin Rd., Nashville, Tenn.	5AEK	George V. Waldo	23 Pine St., Montgomery, Ala.
5AAC	William Carl Smith	227 N. Locust St., Fayetteville, Ark.	5AEL	A. B. Hudson	Cheneyville, La.
5AAD	Chillicothe High School	Chillicothe, Tex.	5AEM	D. H. Wallis	2336 Burdette St., New Orleans, La.
5AAB	Lamar Lunt	1415 Ellis Ave., Fort Worth, Tex.	5AEN	Charles Walter Wood	103 Vette St., New Orleans, La.
5AAF	Cyrt D. McCary	Frost, Tex.	5AEO	Harry Rieben	818 Elizabeth St., Brownsville, Tex.
5AAG	Clinton Harold Marsh	2306 E. Seventeenth St., Chatta., Tenn.	5AEP	Miguel F. Garcia	Box 60, Brownsville, Tex.
5AAH	William Perry Ceell	606 E. St., Ardmore, Okla.	5AEQ	Bellinghause, Jr.	411 State St., Texarkana, Ark.
5AAI	Seth B. Ferd, Jr.	R. F. D. No. 2, Rockdale, Tex.	5AER	Julian S. Friede	Care N. M. Mill Acad., Roswell, N.M.
5AAJ	Charles Norral Tinsley	1520-25th Ave., Meridian, Miss.	5AES	Max G. Hogland	Forney, Tex.
5AAK	Ira A. Kirtsey	1420 Avenue A., Brownwood, Tex.	5AET	Willard McDuffie	Forney, Tex.
5AAL	Howard F. Williams	912-39th Ave., Meridian, Miss.	5AEU	Clyde W. Epps	Rock Island, Tex.
5AAM	Julius B. Lowenstein	1204-16th Ave. S., Nashville, Tenn.	5AEV	Harvey W. Eversole	1019 N. Salado St., San Antonio, Tex.
5AAN	Kenneth A. Snarr	123 N. Logan St., Charleston, Ark.	5AEW	Robert Eug. Chrono, Jr.	Graford, Tex.
5AAO	Rawleigh H. Ralls	394 E. Main St., Edmond, Okla.	5AEX	Spurgeon Aug. Jones	San Benito, Tex.
5AAP	Will Carell Barbe	122 W. Seventh St., Muskogee, Okla.	5AEZ	Miles Alfred Bright	1604 Louisiana St., Little Rock, Ark.
5AAQ	Bryan A. Bowman	1017 Fondulac St., Muskogee, Okla.	5AF	Edward J. Knapp	2711 Saunders St., San Antonio, Tex.
5AAR	Lundy L. Ziegler	2007 Huff St., Wichita Falls, Tex.	5AFA	Winfred Menees	Quitman, Ark.
5AAS	Samuel P. Dooley	711 Wulfe St., Norman, Okla.	5AFB	Cell Bouldin James	Hamilton, Tex.
5AAT	Andrew S. Weber	734 Government St., Baton Rouge, La.	5AFC	Geo. S. Balcom	Beaumont, Tex.
5AAU	Harvey C. Sundstrom	1718 Lubbock St., Houston, Tex.	5AFD	Robert Sexton	112 Washington St., Brownsville, Tex.
5AAV	Chas. H. Thielman	R. F. D. No. 2, Powderly, Tex.	5AFE	Wheeler Radio Co.	411 Duncan St., Conway, Ark.
5AAW	John Mason Brooks	508 E. Washington, McAlester, Okla.	5AFF	Martin T. Walters	802 Carey Pl., Chattanooga, Tenn.
5AAX	James Dominic	Krebs, Okla.	5AFG	Ansel Challenor	530 W. 20th St., Oklahoma City, Okla.
5AAY	Charles M. Dillon	Cornington, La.	5AFH	Pierce B. Ward, Jr.	610 E. Main St., Cleburne, Tex.
5AAZ	Earle Russell Peters	Box 185, Mountain Home, Ark.	5AFI	Roy E. Daniels	San Benito, Tex.
5AB	Joseph E. Dutel	1219 Elysian Fields Ar., New Or., La.	5AFJ	C. F. Holland	1704 Houston Ave., Port Arthur, Tex.
5ABA	William Clyde Norris	257 Maximillian St., Baton Rouge, La.	5AFK	David L. Eddy	Lake Charles, La.
5ABB	Reginald C. Sweet	807 Laboma St., Norman, Okla.	5AFL	David L. Estes	2244 W. Park St., Okla. City, Okla.
5ABC	Gulfcoast Military Academy	R. F. D. No. 2, Gulfport, Miss.	5AFM	A. B. Eckdale	15 N. Chester Ave., Pasadena, Calif.
5ABD	George J. Pelte, Jr.	4052 Baudin St., New Orleans, La.	5AFN	E. E. Adkins	156 Austin St., San Benito, Tex.
5ABE	Edwin Helmke	2111 Everette St., Houston, Tex.	5AFO	C. J. Shepherd	1309 State St., Little Rock, Ark.
5ABF	William B. Glass	101 Albany St., San Antonio, Tex.	5AFP	R. F. Green	W. Brownville St., Brownsville, Tex.
5ABG	Clyde E. Phillips	305 E. Hunt St., McKinney, Tex.	5AFP	J. P. Smith, Jr.	520 Washington Ave., Fayetteville, Ark.
5ABH	Edmund H. Christy	5347 Coliseum St., New Orleans, La.	5AFQ	W. C. Harris, Jr.	Stop 6, Dallas Pike, Fort Worth, Tex.
5ABI	Henry E. Velte	R.F.D. 6, Box 14, Little Rock, Ark.	5AFR	R. C. Hughes, Jr.	1060 Selma St., Mobile, Ala.
5ABJ	Francis Coppas Bowen	1911 W. 12th St., Lubbock, Tex.	5AFS	R. Burton	Roanoke, Ala.
5ABK	J. G. J. Perkins, Jr.	1528 Vinton Ave., Memphis, Tenn.	5AFU	P. A. Ford	20th & Townland Sts., Ada, Okla.
5ABL	Norman Bradley Drake	210 W. 8th St., Tulsa, Okla.	5AFV	W. F. Barry	8626 H St., Houston, Tex.
5ARM	Claude Earnest Fox	806 N. 5th Ave., Knoxville, Tenn.	5AFW	R. L. Jordan	6742 Ave. J., Houston, Tex.
5ARN	George A. Reynolds	522 S. Margin St., Franklin, Tenn.	5AFX	M. E. Staley	216 E. Huinache Av., San Antonio, Tex.
5ARO	Wayman Davenport	Texas St., Plainview, Tex.	5AFY	Lubie H. Hanson	201 E. James St., Goose Creek, Tex.
5ARP	Richard H. Gilley	1205 Fawn St., Caldwell, Tex.	5AFZ	Geo. P. Snyder	Glensrope, Tex.
5ARQ	Cecil Homer Stroup	Box 636, Krebs, Okla.	5AG	John Selden Lowry	3525 Hall St., Dallas, Tex.
5ARR	William V. Harber	484 Avenue A., N.W., Childress, Tex.	5AGA	R. & P. McDavid	611 Robin St., Houston, Tex.
5ARS	Robert E. Deelman	1145 Russell Pl., San Antonio, Tex.	5AGB	Parley W. Craig	208 Ave. F., Ensley, Ala.
5ART	Gordon T. Vickers	104 Lewis St., Montgomery, Ala.	5AGC	John F. Thomas	701 Arlington St., Lawton, Okla.
5ARU	Oliver Kenneth Doop	Pond Creek, Okla.	5AGD	Thomas S. Lynch	260 Washington Ave., Mobile, Ala.
5ARV	William H. Stonerook	Roswell, N.M.	5AGE	Shirley Knapp	2101 Hazel St., Texarkana, Tex.
5ARW	L. B. Cornelius	Painter House, Stephenville, Tex.	5AGF	Albert L. Kristek	Flatonia, Tex.
5ARX	Paul H. Roberts	3112 Baker Ave., Bryan, Tex.	5AGG	S. D. Wooten, Jr.	Caldwell, Miss.
5ARY	Robert T. Bradford	Laoka, Ark.	5AGH	Garner Adams	203 Featherstone St., Cleburne, Tex.
5ARZ	R. W. Carr	267 W. Hulsache Av., San Antonio, Tex.	5AGI	William K. K. Tell	600 Avenue "D", Eagle Pass, Tex.
5ACA	N. S. Hurley	100 Congress St., Mobile, Ala.	5AGJ	Edmond M. Prince	601 Highland Park, Birmingham, Ala.
5ACB	Nickolas Mitchell	235 S. 25th St., Paris, Tex.	5AGK	John F. Hetherington	104 Main St., Stillwater, Okla.
5ACC	Gulf Radio Service	763 Palmette St., Mobile, Ala.	5AGL	August E. Huepers	3707 Avenue "O", Galveston, Tex.
5ACD	Elwyn K. Atkinson	Box 308, Childress, Tex.	5AGM	Andrew A. Herndon	Bellevue, Moss Point, Miss.
5ACE	Tom Wheadan	1829 Milan St., New Orleans, La.	5AGN	Walter J. Ellis	625 E. Sixth St., Oklahoma City, Okla.
5ACF	John A. Wilkes	909 N. Second St., Nashville, Tenn.	5AGO	Fred Dulaney	1408 Windsor Ave., Bristol, Tenn.
5ACG	Austin W. Pollard	225 Marshall Ave., Houston, Tex.	5AGP	Frederick S. Bowen	Harris, Ark.
5ACH	Phillip Y. Eyer	108 First & Gilson St., DeQueen, Ark.	5AGQ	John Mitchell	400 Catherine St., Terrell, Tex.
5ACI	Max Henry Jacobs	404 James St., Houston, Tex.	5AGR	John A. Teeters	1027 Choctaw St., Chickasha, Okla.
5ACJ	Joseph F. Walsh	613 Florence St. N., El Paso, Tex.	5AGS	Edward Moffat	1009-38th Ave., Meridian, Miss.
5ACK	Wade A. Hillard	Avenue F & 14th St., Childress, Tex.	5AGT	William R. Brown	4112 Avenue "C", Birmingham, Ala.
5ACL	Sydney G. Kent	916 McGhee St., Knoxville, Tenn.	5AGU	William Pannenhelmer	1707-26th Ave., Meridian, Miss.
5ACM	Arthur Hill	118 E. 13th St., Anniston, Ala.	5AGV	Ben W. Robins	1725-24th Ave., Meridian, Miss.
5ACN	Sam Note	Bryan, Tex.	5AGW	Texas Radio Corp.	612 E. Fifth St., Austin, Tex.
5ACO	Robert Frank	Kilmarnock St., Mobile, Ala.	5AGX	Finley L. Morris	Jackshoro, Tex.
5ACP	Robert Lee Kuester	401 Garvan St., Houston, Tex.	5AGY	Emory J. Stovall	Bell Ellen, Ala.
5ACQ	Dale Hales	2826 Anderson St., Greenville, Tex.	5AGZ	Carmon Harris	Ringline, Okla.
5ACR	F. W. Scharzwinkel	2402 Avenue I., Galveston, Tex.	5AH	Chas. Wm. Churchhill	N.W. Side, O.S.A. Rd., Caldwell, Tex.
5ACS	Walter D. McCormick	2222 Burdette St., New Orleans, La.	5AHA	Adele S. de la Barre	Front St., Pass Christian, Miss.
5ACT	W. D. Bowen, Jr.	633 W. Hookins St., San Marcos, Tex.	5AHB	John M. Oden	Gordon, Tex.
5ACU	George T. Perry	233 Claudia St., San Antonio, Tex.	5AHC	L. A. Wilkinson	725 Texas St., Denison, Tex.
5ACV	Albert Marcus Reager	1817 Himsaville Ave., Birmingham, Ala.	5AHD	Barlow H. Huff	209 W. Commerce St., Aftus, Okla.
5ACW	John Pink Jewelry Co.	809 N. Sixth St., Fort Smith, Ark.	5AHE	Joseph Fox	1923 N. Haskel St., Dallas, Tex.
5ACX	William H. Pierce	1227 S. Hull St., Montgomery, Ala.	5AHF	George S. Buchanan	421 Chambers St., Marlin, Tex.
5ACY	John R. Shenberoy	201 Grant St., Sand Springs, Okla.	5AHG	Henry O. Good	Farmers Branch, Tex.
5ACZ	Thomas & Ed. Conroy	117 E. Mistletoe St., San Antonio, Tex.	5AHH	James G. Flynn	2111-29th St., Galveston, Tex.
5AD	Frank C. Moore	434 Hillmarer St., New Orleans, La.	5AHI	Kenneth McLeod	2311 State St., Little Rock, Ark.
5ADA	Abner L. Burren, Sr.	Washington & W. 5th Av., Teague, Tex.	5AHJ	Edward Craven	498 Edith Place, Memphis, Tenn.
5ADB	Ernest H. Funk	2117 Grant St., El Paso, Tex.	5AHK	W. D. McCormick & M. Brown	7933 Sycamore St., New Orleans, La.
5ADC	Mark T. Tatam	531 Boulevard St., Norman, Okla.	5AHL	L. G. Farley	126 May St., San Antonio, Tex.
5ADD	Richard D. Stafford	3906 Prvtants St., New Orleans, La.	5AHM	J. A. Burch	102 E. Hamilton St., Stamford, Tex.
5ADE	Phelph Joseph Young	62 Church St., Pratt City, Ala.	5AHN	John H. Borin, Jr.	1515 Kirby St., Chattanooga, Tenn.
5ADF	Charles E. McDonald	408 Pecan St., Arlington, Tex.	5AI	Maxwell C. Pierce	311-21st St., Corsicana, Tex.
5ADG	Interstate Elec. Co.	424 Carroll St., New Orleans, La.	5AHO	Morris C. Foster	Anclenton, Tex.
5ADH	Interstate Elec. Co.	356 Baronne St., New Orleans, La.	5AHP	Joe. B. Carrigan	1100 Austin Ave., Wichita Falls, Tex.
5ADI	San Benito Radio Club	San Benito, Tex.	5AHQ	Fred Watson	230 Cactus Ave., San Antonio, Tex.
5ADJ	Raymond Holt	Charleston, Ark.	5AHR	Roy H. Cole	423 E. 14th St., Oklahoma City, Okla.
5ADK	Malcolm Purnell	2731 Ursuline Ave., New Orleans, La.	5AHS	Samuel Donnell	Lamasas, Tex.
5ADL	G. M. McCarrall, Jr.	601 Asia St., Baton Rouge, La.	5AHT	Curtis B. Locke	1638 Washington Ave., Fort Worth, Tex.
5ADM	John D. Tucker, Jr.	1105 Glen Iris Ave., Birmingham, Ala.	5AHU	George L. Miles	907 E. Hillsboro St., El Dorado, Tex.
5ADN	Donner C. Bracken	Fletcher, Tex.	5AHV	Tilmon Jones, Jr.	115 Carter St., San Antonio, Tex.
5ADO	Arden R. Roelner	508 N. Mo. Ave., Roswell, N. M.	5AHW	Harold Sheffield	5623 Vickery Blvd., Dallas, Tex.
5ADP	Roby Lee Cathey	Box 152, Lubbock, Tex.	5AHX	W. R. Brown	2610 Fannin St., Denison, Tex.
5ADQ	William E. Tomlin	5212 Classen Blvd., Okla. City, Okla.	5AHY	Eugene Feenberg	1318 Eleventh St. S., Fort Smith, Ark.
5ADR	Jerome R. Sullivan	912 Oak Grove, Fort Worth, Tex.	5AHZ	Erwin F. Reifinger	104 Seguin St., New Braunfels, Tex.
5ADS	William E. Hood	Arlington Pl. W.E., Birmingham, Ala.	5AIA	Ferris L. Dietz	719 Ryan St., Lake Charles, La.
5ADT	John T. Lassetter	Wedlow St., Roanoke, Ala.	5AIB	Carl F. Kilander	505 Galveston Ave., Fort Worth, Tex.
5ADU	Jeff Davis Griffin	1717 W. 39th St., Oklahoma City, Okla.	5AIC	George D. Smith	5022 San Jacinto St., Dallas, Tex.
5ADV	Jack K. Reavley	213 Mound St., Nacodoches, Tex.	5AID	J. A. McCallum	Dillard & Broadway Sts., Silver City, N.M.
5ADW	Ernest S. VanSickle	2304 Ringo St., Little Rock, Ark.	5AIE	James T. Underwood	Sullivan Repair Shop, Marville, Tenn.
5ADX	George Fennell	2122 Everett St., Houston, Tex.	5AIF	Charles H. Reilly, Jr.	1713 Homan Ave., Fort Worth, Tex.
5ADY	W. L. Rattiseau, Jr.	3412 Ave. P., Galveston, Tex.	5AIG	Gilbert T. Brain	431 W. Park St., Oklahoma City, Okla.
5ADZ	Leonard D. Stewart	Gorman, Tex.	5AIH	Wm. O. Ansley	306 Bramond St., Houston, Tex.
5AE	Louis Peine	1506 Rosalie Ave., Houston, Tex.	5AIJ	Alf. M. Turner & R. Cornett	Marine Hosp. No. 9, Ft. Stanton, N.M.
5AEA	Horace H. Mann	520 S. Park St., Salsina, Okla.	5AIK	Paul M. Hargis	1917 W. 11th St., Lubbock, Tex.
5AEB	Samuel Rosie Murphy	518 N. Third Av., Mineral Wells, Tex.	5AIL	Ferris W. Sullinger	939 Main St., Marville, Tenn.
5AEC	Raymond Lee Fish	237 E. 33d St. S., Okla. City, Okla.	5AIM	Clyde S. Mosteller	Hill & Grove Sts., Pilot Point, Tex.
5AED	Cason Victor Camp, Jr.	Fifth Ave., Teague, Tex.	5AIN	Noble J. Keth, Jr.	Frisco St., Dublin, Tex.
5AEE	Merrill Leroy Swan	1512 W. 30th St., Okla. City, Okla.	5AIO	Edward Preston	601 E. Black St., El Dorado, Tex.
5AEF	Robert S. Luke	124 W. Spring St., Weatherford, Tex.	5AIP	Robert W. Douglas	713 Hargrove St. N.W., Ardmore, Okla.
5AEG	R. E. McCrary	R. F. D., care W. O. McCrary, Spur, Tex.			
5AEH	Frank Harold Smith	227 N. Locust St., Fayetteville, Ark.			

5A1P	Clarence A. Tredwell	1512 E. Main St., Siloam Springs, Ark.
5A1Q	H. H. Lisle, Jr.	4 Vene St., Waxahachie, Tex.
5A1R	Paul Ramey	Quemado, N. M.
5A1S	Wm. R. Harris	510 Dunaway St., Oxford, Miss.
5A1T	Edgar R. Hauser	209 E. 13th St., Montgomery, Ala.
5A1U	Dan O. Howard	209 E. 13th St., Montgomery, Ala.
5A1V	Oran W. Chancellor	Ave. "D" & 22d St., Galveston, Tex.
5A1W	Herbert Henry	1412 Dauphine St., Mobile, Ala.
5A1X	Albert L. Presley	1412 Dauphine St., Mobile, Ala.
5A1Y	Wallace H. Ray	723 N. Beckley Ave., Dallas, Tex.
5A1Z	Thomas E. Anderson	2003 Saunders Ave., San Antonio, Tex.
5A2	Jefferson M. Cogdell	318 Sanders St., San Antonio, Tex.
5AJA	Llewellyn Houck	915 1/2 Robinson St., Oklahoma City, Okla.
5AJB	Paul J. Moore	1010 Chestnut St., Denison, Tex.
5AJC	Harley J. Herron	S. Sixth St., Flatonia, Tex.
5AJD	Franklin Nesrsta	S. Sixth St., Flatonia, Tex.
5AJE	John H. Buchanan	1511 Fifteenth St., Meridian, Miss.
5AJF	Charles A. Ray	1501 Holly St., Dallas, Tex.
5AJG	LeRoy W. May, Jr.	1441 N. Third St., Abilene, Tex.
5AJH	George W. Leach	1516 Avenue "C", Brownwood, Tex.
5AJI	Edgar C. Perkins	3514 Wellborn St., Dallas, Tex.
5AJJ	Bernard S. Shields	704 E. Guenther St., San Antonio, Tex.
5AJK	Harry Martin, Jr.	260 Washington Ave., Mobile, Ala.
5AJL	DeMouy Lynch	260 Washington Ave., Mobile, Ala.
5AJM	John H. Crump	Box 101, College Station, Tex.
5AJN	Francis H. Davis	309 W. Fifth St., Chattanooga, Tenn.
5AJO	Roland Lee	1405 Bailey Ave., Chattanooga, Tenn.
5AJ1	J. E. Hodge	512 W. Lindsey St., San Marcos, Tex.
5AJ2	Alexander T. Trum	217 Catonia St., Montgomery, Ala.
5AJ3	Donald C. Harder	323 Elmira St., Muskogee, Okla.
5AJ4	George W. McCauley	Box 101, College Station, Tex.
5AJ5	Oscar M. Pearce	309 Hodges St., Lake Charles, La.
5AJ6	W. S. Forrester, Jr.	502 Royal St., Waxahachie, Tex.
5AJ7	Cecil Haynes	226 Topeka Blvd., San Antonio, Tex.
5AJ8	Harold H. Harris	435 Chestnut St., Chattanooga, Tenn.
5AJ9	Fay Newton Walden	903 Rogan St., Brownwood, Tex.
5AJA	Edwin M. Moran	Walnut at 6th St., Lampasas, Tex.
5AJB	Bruce H. Borchers	702 W. Georgia St., San Antonio, Tex.
5AJC	Carrington, George L.	1415 Barber St., Little Rock, Ark.
5AJD	Alfred Hartman	429 Mason St., San Antonio, Tex.
5AJE	Edward C. Spangler	312 E. 12th St., Ada, Okla.
5AJF	Cecil Frederick Butcher	4010 W. Lee St., Greenville, Tex.
5AJG	Hoyt F. Casteel	1343 N. Main St., Fort Worth, Tex.
5AJH	H. W. Phillips	632 E. Grand St., McAlester, Okla.
5AJI	C. B. Jordan	Box 372, Hamilton, Tex.
5AJJ	Alan C. Johnston	3708 Lexington St., Dallas, Tex.
5AJK	J. A. Cunningham	28 E. Street, N.W., Miami, Okla.
5AJL	E. C. Hand	Ray Minette, Ala.
5AJM	Elindsay E. Newsom	2207 Rio Grande St., San Antonio, Tex.
5AJN	John Oldaker	416 S. High St., Albuquerque, N. M.
5AJO	D. R. Simmons	7514 Hampson St., New Orleans, La.
5AJ1	Fred Mahaffey, Jr.	7011 Avenue F, Houston, Tex.
5AJ2	Wm. S. Redsoe	2922 Alamoordo St., El Paso, Tex.
5AJ3	Chas. E. Gibbs	1215 S. 12th St., Birmingham, Ala.
5AJ4	Walter C. Leiby	Box 807, 530 Ave. C, Bogalusa, La.
5AJ5	Urban D. Werner	1052 City Park Ar., New Orleans, La.
5AJ6	Henry A. Crossland	1912 Mason St., Houston, Tex.
5AJ7	Wm. Arden Hooks	Kountza, Tex.
5AJ8	Yates S. Hodges	5th & Main Sts., Blytheville, Ark.
5AJ9	G. C. Lawing	221 N. Center St., Arlington, Tex.
5A20	Henry King, Jr.	138 Va Place, Ft. Worth, Tex.
5A21	Ernest F. Walts	410 Filmore St., Corinth, Miss.
5A22	Harry H. Arnold, Jr.	P. O. Box 607, Bristow, Okla.
5A23	Amos Harner	1303-29th St., Galveston, Tex.
5A24	Charles Staples, Jr.	2808 Oaklawn St., Dallas, Tex.
5A25	Roy W. Lavton	410 W. First Ave., Corsicana, Tex.
5A26	Gaston E. Dupont	2726 Dumaine St., New Orleans, La.
5A27	D. M. Hester	Weatherford College, Weatherford, Tex.
5A28	Clarence M. Selby	224 S. 14th St., Muskogee, Okla.
5A29	William L. Wilkinson	1017 S. 19th St., Birmingham, Ala.
5A30	Oswald M. Shaw	Marathon, Tex.
5A31	Hal M. Martin, Jr.	1011 Fairmount St., Anniston, Ala.
5A32	S. W. Bavisla	1404 N. 33rd St., Birmingham, Ala.
5A33	Burle R. Jones	28th & Arlene Sts., Muskogee, Okla.
5A34	Earl R. McFarland	Main & Lee St., Sapulpa, Okla.
5A35	Theodore Gachwind	4100 Cumberland St., El Paso, Tex.
5A36	Lester John Crawley	2719 Carondelet St., New Orleans, La.
5A37	John Fox	2120 Avenue M, Galveston, Tex.
5A38	Thurman Bernero	1048 Indiana St., Memphis, Tenn.
5A39	O. N. Thurman	1023 E. Eighth St., Little Rock, Ark.
5A40	Donough Wilson	913 "A" St., Lawton, Okla.
5A41	Jack Grosse	1015 McGowan St., Houston, Tex.
5A42	David B. Quinby	2204 Brazos St., Houston, Tex.
5A43	Charles R. Galloway	1516 Arch St., Little Rock, Ark.
5A44	Jack Cohen	3215 Canal St., New Orleans, La.
5A45	Warner R. Bouldin	615 Delaware St., Dewey, Okla.
5A46	Holmes Richter	116 N. Willomet St., Dallas, Tex.
5A47	T. R. Ancell	1409 Hendricks St., Dallas, Tex.
5A48	Marlon E. Ankle	Chapparral & Peoples Sts., Corpus Christi, Tex.
5A49	William J. Uhalt	1101 Gen. Persh'g St., N. Orleans, La.
5A50	M. B. Patterson	Frost, Tex.
5A51	Louis W. Uhl	Desdemona, Tex.
5A52	A. P. Bell	R. F. D. No. 2, Dublin, Tex.
5A53	Palliser, Jr.	228 Ar. O., Galveston, Tex.
5A54	Bert Cate, Jr.	4 Second St., Commerce, Tex.
5A55	Lloyd K. Rush	4 Second St., Bemis, Tex.
5A56	Lee Canday	823 W. Houston St., Sherman, Tex.
5A57	Leslie F. Stollenwerk	R.F.D. 8, Box 70b, Birmingham, Ala.
5A58	Gerald Mora	1601-21st St., Galveston, Tex.
5A59	E. L. Durbin	139 Riverside Ave., Little Rock, Ark.
5A60	Curry Hamil	607 S. W. Fifth Ave., Mineral Wells, Tex.
5A61	Daniel R. Miller	College & Water Sts., Waxahachie, Tex.
5A62	L. B. Sartain, Jr.	208 1/2 Cedar St., S. Pittsburg, Tenn.
5A63	Harvey W. Smith	815 N. 4th St., Albuquerque, N. Mex.
5A64	Harold Colbert	603 Broadway, Ardmore, Okla.
5A65	N. M. College of A & M Arts	State College, New Mex.
5A66	T. J. Fitzsimmons	Box 655, Wichita Falls, Tex.
5A67	B. Saratt	209 Court St., Montgomery, Ala.
5A68	W. C. Hutcheson	Windsrock, Tenn.
5A69	James Lisk	129 Flynn St., Alva, Okla.
5A70	C. N. Karnes	Chico, Tex.
5A71	C. N. Bacon, Jr.	1601 Linden St., Memphis, Tenn.
5A72	Fred J. Whitlock	1203 Arizona St., El Paso, Tex.
5A73	Paul J. Bowron	1401 S. 20th St., Birmingham, Ala.
5A74	Coleman W. Gilliam	1220 Ash St., Birmingham, Ala.
5A75	D. Covington	1059 Indiana St., Memphis, Tenn.
5A76	T. S. Dewey	2209 Axle St., Fort Worth, Tex.
5A77	Worthington Brown	1700 Poplar St., Memphis, Tenn.
5A78	Edward S. Jackson	Silver City, New Mex.
5A79	Wm. R. Brownlee	1500 Bailey Ave., Chattanooga, Tenn.
5A80	Willard W. Travland	Tuleta, Tex.
5A81	Charles Clonts	2221 W. Park Pl., Okla. City, Okla.
5A82	H. Leon McClurkin	Jacksboro, Tex.
5A83	Jos. Henry Uhalt	1219 Rampart St., New Orleans, La.
5A84	T. J. M. Daly	1200 Ninth St., N. Little Rock, Ark.
5A85	George R. Clough	2215 Avenue L, Galveston, Tex.
5A86	Danah E. Boyette	111 N. Seventh St., Lawton, Okla.
5A87	Clarence M. Wilchar, Jr.	3732 La Luz St., El Paso, Tex.
5DU	Wm. E. Grav	805 W. 24th St., Little Rock, Ark.
5DV	William E. Gray, Jr.	1112 W. Third St., Okmulgee, Okla.
5DW	Dane Ablowich, Jr.	2109 Park St., Greenville, Tex.
5DX	Harold H. Taylor	215 N. West St., Morrilton, Ark.
5DY	H. P. Miller	Roysce City, Tex.
5DZ	Thomas E. Williams	625 Hickory St., Abilene, Tex.
5EA	Leo V. Brlans	Carlisle, Ark.
5EB	Marvin M. Hill	Ringgold, La.
5EC	George B. Kaiser	Wharton, Tex.
5ED	Harold B. Beals	1403 Schiller Ave., Little Rock, Ark.
5EE	William F. Hunt	Gorman, Tex.
5EF	Meredith C. Poor	437 W. Grand St., McAlester, Okla.
5EG	George H. Logan	202 E. Broad St., Texarkana, Tex.
5EH	Henry E. Hardaway	212 Marsden St., Houston, Tex.
5EI	Forrest H. Ward	Box 594, R.F.D. No. 1, Houston, Tex.
5EJ	C. W. Gillilan	603 W. Eighth St., Austin, Tex.
5EK	David G. Botta	873 Manasse St., Memphis, Tenn.
5EL	Robert B. Bridge	St. Mary St., Beeville, Tex.
5EM	John W. Gladson	Ringgold, La.
5EN	David Harrell, Jr.	1010 Guadalupe St., Austin, Tex.
5EO	J. R. Whitworth	1825 Washington St., Waco, Tex.
5EP	Anton A. Schliele	824 Bordeaux St., New Orleans, La.
5EQ	Chas. Thomas Brown	1824 Bellevue Ave., Birmingham, Ala.
5ER	John E. Cain, Jr.	R.R. 2, Franklin Pike, Nashville, Tenn.
5ES	Duncan Merrilwether	509 Bibb St., Montgomery, Ala.
5ET	Lawrence Darts	406 Hathaway Ave., Houston, Tex.
5EU	Harold J. Haus	507 1/2 S. Boulder St., Tulsa, Okla.
5EV	Robert D. Evans	250 Dodds Ave., Chattanooga, Tenn.
5EW	Minor J. Wilson	R.F.D. No. 2, Box 117, Brownsville, Tex.
5EX	Fred J. Miller	England, Ark.
5EY	Lionel M. Weill	1509 Franklin Ave., Houston, Tex.
5EZ	Jas. Stinson Stevens	1517 34th Ave., Meridian, Miss.
5FA	Thomas C. McGhee	West, Tex.
5FB	Alton R. Hart	225 N. East St., Fayetteville, Ark.
5FC	D. W. Whitaker	P. O. Box 62
5FD	M. H. Lovelady	201 S. Bolton St., Jacksonville, Tex.
5FE	Dr. Walter Hardy	220 First Ave., Ardmore, Okla.
5FF	Roy Lee Miller	W. 13th Ave., Corsicana, Tex.
5FG	Herbert W. Wolverton	706 "D" St., Ardmore, Okla.
5FH	George T. Gunnip	1409 Twelfth St., Wichita Falls, Tex.
5FI	Edw. Louis Deutschman	912 National Ave., E. Las Vegas, N.M.
5FJ	Everett B. Poole	1417-17th Ave. S., Birmingham, Ala.
5FJ	Sydney S. Smith	1823 E. 16th St., Tulsa, Okla.
5FK	John Brydson	Box 314, Austin, Tex.
5FL	Chambliss H. Collier	265 Box, Shaw, Miss.
5FM	Eugene H. Morter	1022 Third Ave. S. W., Ardmore, Okla.
5FN	Wm. Peacock	1401 Boulevard St., Houston, Tex.
5FO	Roland E. Kelly	Haskell, Okla.
5FP	Bernard Stringer, Jr.	Mount Vernon, Tex.
5FQ	William C. Morgan	Route 2, West, Tex.
5FR	Norman A. Bluz	1202 Tuam Ave., Houston, Tex.
5FS	Adelbert V. Gunn	1125 N. Main St., Tulsa, Okla.
5FT	Rechester G. Wilkins	1207 Hillside Ave., Austin, Tex.
5FU	Paul H. Earle, Jr.	400 Cotton St., Birmingham, Ala.
5FV	John H. DeWitt, Jr.	1812 15th Ave. S., Nashville, Tenn.
5FW	Edw. Thos. Jones	3997 Dumaine St., New Orleans, La.
5FX	Ben E. Overton	4021 Griffith Ave., Terrell, Tex.
5FY	N. M. College of A & M Arts	State College, New Mex.
5FZ	N. M. College of A & M Arts	State College, New Mex.
5GA	Edward W. Austin	1239 S. St. Louis Ave., Tulsa, Okla.
5GB	John R. Watson	1561 Hummer St., Memphis, Tenn.
5GC	Everett Shenherd	1734 N. 8th St., Abilene, Tex.
5GD	June H. Clark	1366 Landerdale St., Memphis, Tenn.
5GE	Edwin J. Allen	418 Twonig St., San Angelo, Tex.
5GF	J. H. Brown, Jr.	233 S. Oregon St., Dallas, Tex.
5GH	Herman W. Gaddis	1537 Keeler St., Bartlesville, Okla.
5GI	Walter Lemann, Jr.	Donaldsonville, La.
5GJ	Edward E. Chase	822 Lyon St., New Orleans, La.
5GK	Howard C. Siegfried	Hall Addition, Sand Springs, Okla.
5GL	Chas. Andrea, Jr.	2525 Myrtle St., New Orleans, La.
5GM	John M. Svelman	3213 Cleveland Ave., New Orleans, La.
5GN	Stuart H. Newlin	229 Tinker St., Pawhuska, Okla.
5GO	Cecl E. Friedlander	2808 Washington St., Greenville, Tex.
5GP	Roland W. Bush	1816 N. Stonevall St., Greenville, Tex.
5GQ	John McCar	1025 Fairmount St., Anniston, Tex.
5GR	Eugene C. Bartholomew	902 West Ave., Austin, Tex.
5GS	Leslie E. Richards	Box 368, Beeville, Tex.
5GT	Earl E. Newlin	824 Florida St., San Antonio, Tex.
5GU	James M. Riegan	408 W. San Antonio St., Pearsall, Tex.
5GV	Joseph F. E. Cory	R.F.D. 7, Box 52, Oklahoma City, Ok.
5GW	Athna R. Eillis	Rice Institute, Houston, Tex.
5GX	Ben Whitley	1108 West Ave., Austin, Tex.
5GY	Romane Morris	2719 Kinkaid St., Fort Smith, Ark.
5GZ	Harry W. McLackie	748 W. 15th Ave., Houston, Tex.
5HA	Carlisle Mouzon	Acklen Park, Nashville, Tenn.
5HB	Roland E. Kelly	516 White St., Norman, Okla.
5HC	Louis Bastien	2525 O'Reilly St., New Orleans, La.
5HD	Harold Clemons	311 Belmont St., San Antonio, Tex.
5HE	George W. Curtisinger	3702 Live Oak St., Dallas, Tex.
5HF	Walter C. Putnam	Brookline Addition, Houston, Tex.
5HG	Stanley Cox	Groesbeck, Tex.
5HH	William E. Hough, Jr.	333 N. Sixth St., Muskogee, Okla.
5HI	Hal M. Horton	625 "G" St. N.W., Ardmore, Okla.
5HJ	Henry N. Burke	207 Johnson St., Little Rock, Ark.
5HK	Stoward F. Grubb	604 W. North Ave., Vinita, Okla.
5HL	Robert W. Carol	1020 Ann Ave., Dallas, Tex.
5HM	William D. Van Dyke	542 McCallie St., Chattanooga, Tenn.
5HN	Levin R. Foster	922 S. Eleventh St., Gadsden, Ala.
5HO	Sam A. Eddins	Lula, Miss.
5HP	J. C. Henriquez	4926 Magazine St., New Orleans, La.
5HQ	Clifton Moorman	Box 173, Gorman, Tex.
5HR	Yancey Cummings	1204 Alma St., Wichita Falls, Tex.
5HS	S. W. Rivarde	537 Joseph St., New Orleans, La.
5HT	F. W. Kush	705 Paso Hondo St., San Antonio, Tex.
5HU	M. W. Smith	Route 6, Box 33, N. Ft. Worth, Tex.
5HV	Roy Estes	Southwest Sanatorium, San Angelo, Tex.
5HW	Ernest L. Blevins	108 Gilson Ave., DeQueen, Ark.
5HX	Thomas D. Sharp	1032 Marengo St., New Orleans, La.
5HY	Everette Lee Dye, Jr.	419 Beach St., Plainview, Tex.
5HZ	Elbert Joseph Halling	611 S. Willomet St., Dallas, Tex.
5IA	Theodore Richard Heyck	401 W. Alabama St., Houston, Tex.
5IB	Eugene Martin Link	Fort Sill, Okla.
5IC	J. B. Rives	304 Allen St., San Angelo, Tex.
5ID	Joe Johnson	Whitewright, Tex.
5IE	W. R. McCutchan	245 Cutlet St., Buntyn, Tenn.
5IF	Robert Clinkscales	3913 Hamilton Ave., Dallas, Tex.
5IG	J. Laurence Martin	605 E. Fourth St., Amarillo, Tex.
5IH	Elmer Alton Richards	P. O. Box 25, Tuleta, Tex.
5II	Wm. Goode	2717 Shelby St., Dallas, Tex.
5IJ	Paul B. Bell	1415 W. 25th St., Oklahoma City, Okla.
5IK	T. A. Jones	Lampasas, Tex.
5IL	Thomas Jefferson Adams	308 Stonevall St., Memphis, Tenn.
5IM	Douglas R. Robertson	4520 W. 26th St., Bryan, Tex.
5IN	Edwin Wallace Rouse	1120 Mechanic St., Galveston, Tex.
5IO	Norman Cramer Finney	3628 McKinney Ave., Dallas, Tex.
5IP	Horace Leslie Graham	1130 Alvarado St., Cleburne, Tex.
5IQ	Porter T. Bennett	3600 Carl St., Dallas, Tex.
5IR	Wm. C. Tibus	1723 Bernard St., Waco, Tex.
5IS	Henry Carlton Markham	Goose Creek, Tex.



51S Frank Anderson Cain.....Pine St., Greenville, Miss.  
51T A. B. Livingood.....Hot Springs Blvd., East Las Vegas, N. M.  
51U John J. Miller.....Commerce, Tex.  
51V Warren Charles Clark.....822 W. Third St., Fayetteville, Ark.  
51W Norville J. Rich.....1530 W. Broadway, Fort Worth, Tex.  
51X F. & H. Glitsch.....2715 Wellborn St., Dallas, Tex.  
51Y Herbert G. Moore.....716 National Av., E. Las Vegas, N.M.  
51Z Joe P. Walker.....14 "C" St. S.E., Miami, Okla.  
51A Arthur C. Barrett.....Park Hotel, Las Cruces, N. M.  
51B Roy Disneroon.....112 W. Mineral St., Hot Springs, Ark.  
51C Laigh Calhoun Parker, Jr.....407 Mesa Ave., El Paso, Tex.  
51D Wayne Kinsolving.....2019 Gaines St., Little Rock, Ark.  
51E Elmer L. Scarborough.....Kite 6, Glendale Ave., Ft. Worth, Tex.  
51F Joseph C. Goulden.....703 Upton St., San Angelo, Tex.  
51G Burt W. Johnson, Jr.....4029 Travis St., Dallas, Tex.  
51H Alfred E. Crabtree.....117 College St., Sulphur Spgs., Tex.  
51I Fred Mahafey, Jr.....7011 Av. "F", Cent. Pk., Houston, Tex.  
51J Francis G. Southworth.....715 N. Beacom St., Dallas, Tex.  
51K N. B. Berlieth.....510 McKinney Ave., Houston, Tex.  
51L Bert E. Gamble.....4832 Sycamore St., Dallas, Tex.  
51M Howard A. Van Eaton.....206 N. Willomet St., Dallas, Tex.  
51N Marvin Irvine Doss.....1428 N. 12th Ave., Birmingham, Ala.  
51O H. L. Ansley.....1703 Polk St., Alexandria, La.  
51P James Blum.....1108 Arlington St., Houston, Tex.  
51Q Stephen G. Groom.....301 Augusta St., Mobile, Ala.  
51R Brady McCallum.....2023 Fourth Ave., Birmingham, Ala.  
51S Bert E. Cook & Ross Shannon.....335 S. Line St., Cuero, Tex.  
51T Dean Spencer.....122 W. Sixteenth St., Ada, Okla.  
51U Harry N. Hammond.....3018 W. 13th St., Little Rock, Ark.  
51V Lloyd C. Hoffman.....4334 Palmyra St., New Orleans, La.  
51W William L. Coker.....268 East St., Talladega, Ala.  
51X Jack Moore.....6015 Ross Ave., Dallas, Tex.  
51Y Edward L. GeMoets.....2400 San Diego St., El Paso, Tex.  
51Z George John.....2120 La Branch St., Houston, Tex.  
51A William L. Caton.....51 St. Shepen's Road, Mobile, Ala.  
51B Vincent L. Rosso.....405 Railroad Ave., Plaquemine, La.  
51C Theodore C. Castle.....1402 Prospect Ave., Houston, Tex.  
51D Thomas F. McMains.....427 E. Nelson St., Oklahoma City, Ok.  
51E John Milford Baldwin.....310 N. Broadway, Oklahoma City, Okla.  
51F Pierre M. Honnel.....506 W. Laurel St., San Antonio, Tex.  
51G Roland B. McCullor.....717 Wolverton St., Ardmore, Okla.  
51H Wesley M. Wendt.....111 Times Alley, Muskogee, Okla.  
51I Roy J. Scheffer.....231 S. Scott St., New Orleans, La.  
51J Gerald M. Howard.....612 S. Willomet St., Dallas, Tex.  
51K Louis Statham.....130 Wickes St., San Antonio, Tex.  
51L Carey Porter Sweeny.....Angleton, Tex.  
51M John Fox.....2120 Avenue M, Galveston, Tex.  
51N Frank Flisher.....915 Travis St., Fort Worth, Tex.  
51O John Lyon Puckett.....Elgin, Tex.  
51P W. G. Egerton.....608 Main Ave., San Antonio, Tex.  
51Q James C. Heriquez, Jr.....Box 337, Pass Christian, Miss.  
51R Hardy D'Aquin.....712 Water St., Waxahatchie, Tex.  
51S Will R. Thompson, Jr.....4466 Painters St., New Orleans, La.  
51T Robert J. Pries.....709 N. 7th St., Elgin, Tex.  
51U E. F. Carter.....Route 3, Box 153, Oklahoma City, Okla.  
51V G. L. Wheeler.....502 Royal St., Waxahatchie, Tex.  
51W James H. Lowry.....Box 462, Sapulpa, Okla.  
51X Robert Reed.....Krebs, Okla.  
51Y Theodore R. Hamilton.....916 Booker St., Brownwood, Tex.  
51Z Joe Floyd.....619 E. Hurd St., Edmond, Okla.  
51A L. B. and Y. M. Cornelius.....Seminary Hill Add., Fort Worth, Tex.  
51B Laurence C. Harris.....1003 Arizona St., El Paso, Tex.  
51C Vincent Ferritta.....1127 Royal St., New Orleans, La.  
51D George P. Stout.....1621 Riverside Drive, Knoxville, Tenn.  
51E A. Kenneth Tatum.....Box 159, Alamogordo, N. M.  
51F Andres Duric.....1459 Moss St., New Orleans, La.  
51G Don R. Roberson.....Brown St., Brownwood, Tex.  
51H Louis S. Torrans.....Jefferson, Tex.  
51I John Harold Booker.....211 Poplar St., Sapulpa, Okla.  
51J Randall Canfield.....2410 Tenth St., Wichita Falls, Tex.  
51K Jess Coleman.....811 Seventeenth St., Temple, Tex.  
51L Frank J. Pekar.....309 W. 20th St., Little Rock, Ark.  
51M Alan S. Foust.....Clinton St., Dublin, Tex.  
51N George P. Fee.....Cison, Tex.  
51O Ray T. Foster.....Mudoon, Tex.  
51P Rush A. Hall.....2913 Live Oak St., Dallas, Tex.  
51Q John N. King.....2124 Sixth Ave., Fort Worth, Tex.  
51R Lawrence Bolton.....211 Foster St., Dallas, Tex.  
51S William B. Taylor.....Box 28, Signal Mountain, Tenn.  
51T Roscoe Hornsby.....George West, Tex.  
51U Charles E. Carden.....322 Grand Ave., Jackson, Tenn.  
51V Frank Wm. Sawkits.....3703 Lyons St., Houston, Tex.  
51W Luther E. Harrison.....408 S. Green St., Eastland, Tex.  
51X J. Lee Young, Jr.....1502 Duncan St., Chattanooga, Tenn.  
51Y Wm. B. Bell.....12th & Wilson Sts., Arkadelphia, Ark.  
51Z Benj. F. Painter.....624 Carlisle Pl., Chattanooga, Tenn.  
51A Joe K. Bywaters.....3705 Euclid Ave., Dallas, Tex.  
51B Percy W. Cullom.....110 Lyle Ave., Nashville, Tenn.  
51C Harold Davis.....3922 Capitol Ave., Dallas, Tex.  
51D Alpha Cleo Trantham.....314 Elmira St., Muskogee, Okla.  
51E Wm. Paul Stevens.....511 W. Hopkins St., San Marcos, Tex.  
51F Clarence Maurice Sartain.....904 Cambridge Oval, San Antonio, Tex.  
51G Chas. G. Nobles.....1007 Fourth St., New Orleans, La.  
51H Robert Glass.....2605 Clarence St., Dallas, Tex.  
51I Olin Sanders Brown.....109 S. Clay St., Ennis, Tex.  
51J A. J. Bates.....Oil City, La.  
51K Walter Currie Caldwell.....629 Second Ave., Corsicana, Tex.  
51L Horace Elmer Biddy.....2312 Chestnut St., Ft. Worth, Tex.  
51M Wm. Chas. Landollins.....582 Sixth St., Memphis, Tenn.  
51N Raymond Downs.....439 E. Campbell St., Edmond, Okla.  
51O Frank Baranco.....447 Buchanan St., Lafayette, La.  
51P Wagner Bywaters.....3705 Euclid St., Dallas, Tex.  
51Q Halter Henry Barnes.....1609 Bringham St., Houston, Tex.  
51R Sterling Truman Phelps.....1008 Viduarr St., Laredo, Tex.  
51S Hays Waring.....Box 68, Comanche, Tex.  
51T Elmer M. Pedro.....Box 491, Krebs, Okla.  
51U C. E. Gage, Jr.....630 N. Tresevant St., Memphis, Tenn.  
51V C. E. Griesser & Thomson, Bryan, Tex.  
51W Carl Wm. Hartis, Jr.....20 James Ave., Goose Creek, Tex.  
51X Alton B. Graham.....808 W. Magnolia, Ft. Worth, Tex.  
51Y James Russell Cooper.....317 E. Monroe St., McAlester, Okla.  
51Z Clyde C. McNicol.....715 Cabada St., El Paso, Tex.  
51A Erwin Robert Mananerius.....4229 Lafayette St., Dallas, Tex.  
51B Percy G. Root.....285 S. Pauline St., Memphis, Tenn.  
51C Louis E. Littlejohn.....408 N. Gaines St., Ennis, Tex.  
51D Huhk Howard Dittie.....Masquite St., Arlington, Tex.  
51E Laurence Bolton.....211 Foster St., Dallas, Tex.  
51F Preston H. Perry, Jr.....Rockdale, Tex.  
51G Harry M. Saunders.....4411 W. Lee St., Greenville, Miss.  
51H Bunyan Morris.....R.F.D. No. 4, Bolton, Tex.  
51I Earl L. Lester.....4110 Mt. Vernon St., Houston, Tex.  
51J George M. Marks, Jr.....615 S. Perry St., Montgomery, Ala.  
51K Thomas M. Lurry.....Southport Mill Ltd., Baton Rouge, La.  
51L John Ball Callaghan.....2318 Jackson St., Houston, Tex.  
51M Gregory P. Smith.....259 Monroe St., McAlester, Okla.  
51N Fred Theodore Post.....Box 593, Halleysville, Okla.  
51O Egbert Ward Whitney.....1809 Gray Ave., Houston, Tex.  
51P Norman Langwell.....Granbury, Tex.  
51Q John Paul Smith.....Granbury, Tex.

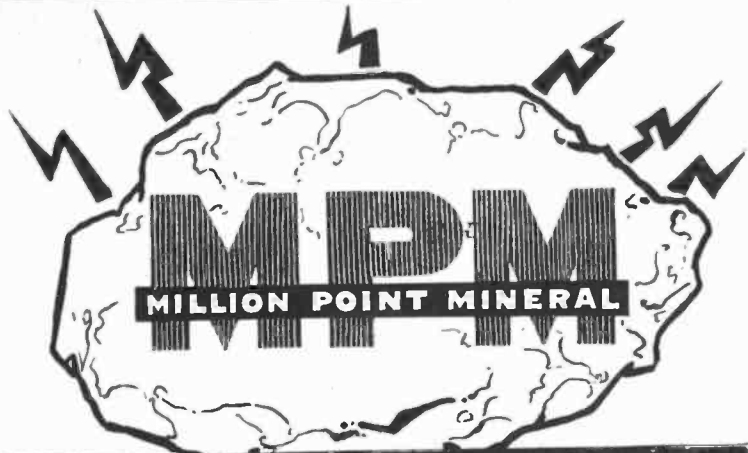
51R Wm. Edw. Miller.....Platonia, Tex.  
51S J. S. Kresnal, Jr.....34th St., Wills Point, Tex.  
51T Maurice W. Brooks.....316 E. Rio Grande St., El Paso, Tex.  
51U Julius Cyril Edmonson.....4106 Cumberland St., El Paso, Tex.  
51V Richard Elliot Overman, Jr.....1923 Summit St., Little Rock, Ark.  
51W Charles Ewary Garrett.....2000 Prairie Ave., Dallas, Tex.  
51X Alfred Leroy Cowles.....1101 Vance St., Memphis, Tenn.  
51Y Guion Rhodes Hall.....327 W. Pearl St., Jackson, Miss.  
51Z Leo Andrew Lewis.....1013 Hiner St., Houston, Tex.  
51A C. Reverts Smith.....408 Rose Farm Add., Port Arthur, Tex.  
51B Ance L. Foster.....450x 128, Quanlan, Tex.  
51C Carroll E. Wood.....American & Sumner St., Eastland, Tex.  
51D Elmer Dow Cooney.....120 N. Lane St., Clovis, N. M.  
51E Duane Tolleson.....412 W. Eulalia St., Norman, Okla.  
51F Anton F. McClemon.....615 Kotan St., Stamford, Tex.  
51G Wm. Harfield.....Oxford, Miss.  
51H John William Thomas, Jr.....Stacy, Miss.  
51I James Wiley Braum.....611 N.W. 8th St., Min. Wells, Tex.  
51J John Knox Wainer, Jr.....1675 Harbert, Memphis, Tenn.  
51K Keaton Edson Price.....823 W. Rand St., Enid, Okla.  
51L Louis Weiss Howie.....1312 Wanner St., Anniston, Ala.  
51M Allen M. Toukin.....Cor. 6th & Creek St., McAlester, Okla.  
51N Charles H. Thomson.....1616 Louisiana St., Houston, Tex.  
51O Oliver K. Johnson.....1854 Wolfe St., Little Rock, Ark.  
51P Joseph J. Schiiter.....602 East Ave., Temple, Tex.  
51Q Deimer Pearl Anderson.....1323 W. Cherokee, Enid, Okla.  
51R Harrington, Fred.....980 Pearl St., Beaumont, Tex.  
51S Clinton J. Blouin.....2836 St. Ann St., New Orleans, La.  
51T Norton Robes Shoftall.....2806 Hamilton St., Houston, Tex.  
51U Electric Supply Co.....331 Procter St., Port Arthur, Tex.  
51V John L. Jette, Jr.....607 Cleveland St., Memphis, Tenn.  
51W Willard J. Slagle.....Hotel Chisca, Memphis, Tenn.  
51X Rodger Harold Rodgers.....2069 Peabody Ave., Memphis, Tenn.  
51Y Lewis McCarthy.....1854 Wolfe St., Little Rock, Ark.  
51Z James Greenwood.....9218 Main St., Houston, Tex.  
51A Kenneth B. Griffin.....418 W. Park St., Enid, Okla.  
51B James W. Bass.....Duvall & 43d Sts., Waco, Tex.  
51C Rushey A. Hall.....Ringold, La.  
51D John Harvey Viset.....74 Edith Place, Memphis, Tenn.  
51E William H. England.....201 S. Eighth St., Ponca City, Okla.  
51F John D. Turner, Jr.....2127 Highland Ave., Birmingham, Ala.  
51G Malcolm E. Phelps.....421 S. Williams St., El Reno, Okla.  
51H Mrs. J. Garrett.....1806 Galveston Av., Ft. Worth, Tex.  
51I Edward C. Caffey, Jr.....2010 Jackson St., Houston, Tex.  
51J Herbert E. Gebhardt.....1606 Buena Vista St., San Antonio, Tex.  
51K John Richard Spellman.....2071 Carr Ave., Memphis, Tenn.  
51L Charles Itoy.....1850 N. Dorgenis St., New Or., La.  
51M Elmer F. Hard.....510 Fairview Ave., Houston, Tex.  
51N William Henry Dixon.....912 S. Ninth St., Temple, Tex.  
51O Caruthers Ewing, Jr.....2882 Madison St., Memphis, Tenn.  
51P Preston H. Perry, Sr.....P. O. Box 11, Rockdale, Tex.  
51Q Arthur William Chambers.....109 S. 41st St., Birmingham, Ala.  
51R Edward J. Ferrell.....3615 Dickason Ave., Dallas, Tex.  
51S Anson Leon Carr.....759 S. Front St., Medford, Okla.  
51T Robin Winfield Pratt.....535 Edith Ave., Memphis, Tenn.  
51U Maurice B. O'Neil.....118 S. Clark, New Orleans, La.  
51V Eugene Colston Tipton.....200 Clark Ave., Fort Worth, Tex.  
51W Edward Emmanuel Fogelson.....122 Baxter St., Knoxville, Tenn.  
51X Paul Elias Sockel.....1701 Houston St., Port Arthur, Tex.  
51Y Charles C. Clark.....2601 University Ave., Austin, Tex.  
51Z Charles Francis Goodmen.....169 Parkway, Memphis, Tenn.  
51A Jay Barten Kelso.....Pharr, Tex.  
51B Harold Raymond Martin.....806 S. Seaman St., Eastland, Tex.  
51C Garland Winfield Cobb.....855 S. Broad St., Mobile, Ala.  
51D Charles Rush.....Commerce St., Goose Creek, Tex.  
51E Wm. B. Hardy.....105 Howard St., Terrell, Tex.  
51F Howard Wilson Dow.....Pond Creek, Okla.  
51G Orville Newton Yeary.....Niles City, Tex.  
51H Francis B. Menger.....122 Kennedy St., San Antonio, Tex.  
51I Louis D'Ollive.....910 Government St., Mobile, Ala.  
51J Robert Gray Eargle.....R. F. D. 5, Box 3, Ft. Worth, Tex.  
51K Albert deLorenzi, Jr.....3009 Live Oak St., Dallas, Tex.  
51L Clarence Monroe Weaver.....1341 Tulane St., Houston, Tex.  
51M Arthur Charles Martinez.....2314 Royal St., New Orleans, La.  
51N Earl Clement Hull.....1911 Ash St., Oklahoma City, Okla.  
51O Clifton Morris Bowden.....Granbury, Tex.  
51P Thos. H. Mullen.....401 Ralley St., Houston, Tex.  
51Q J. D. Cameron.....Dublin, Tex.  
51R Orren Walden.....Grafton St., Dublin, Tex.  
51S John G. Owen.....3901 Elm St., Dallas, Tex.  
51T Chester A. Curry.....1410 N. Broad St., New Orleans, La.  
51U James E. W. Gillenwaters.....1371 N. Broadway St., Knoxville, Tenn.  
51V M. K. & A. H. Steddum.....1524 W. 9th, Oklahoma City, Okla.  
51W Will Eugene Gray.....2510 Rio Grande St., Austin, Tex.  
51X Joe Wyatt Lowry, Jr.....18th St. & 33d Ave., Meridian, Miss.  
51Y Raymond A. Fulk.....113 W. Broadway St., Cuero, Tex.  
51Z Frederick Cooper.....3918 Rawline St., Dallas, Tex.  
51A James Paul Buchanan, Jr.....412 Sycamore St., Brenham, Tex.  
51B Phil Wittmann.....708 Augusta St., Mobile, Ala.  
51C Stuart Emerson Adcock.....2000 Washington Ave., Knoxville, Tenn.  
51D Richard A. Stevens.....2815 Peters Ave., New Orleans, La.  
51E Newell Ramsay.....836 Fifth St., Port Arthur, Tex.  
51F Roy Louis Alciatore.....1908 Peniston St., New Orleans, La.  
51G Roy M. Latham.....Elm Mott, Tex.  
51H Robert B. Greene.....1108 Hodson St., Sapulpa, Okla.  
51I J. A. Massey.....Cedar Bayou, Tex.  
51J Stephen R. Phelan.....533 Beale St., Memphis, Tenn.  
51K Ruffner L. Harris.....2105 Fairmount Ave., Ft. Worth, Tex.  
51L Dixon Brown Penick.....2404 University Ave., Austin, Tex.  
51M Knox E. Clapp.....2322 Wolf St., Little Rock, Ark.  
51N John R. Alexander.....Chiffette, Tex.  
51O Emanuel V. Wolf.....1360 Carr Ave., Memphis, Tenn.  
51P Paul N. Jett.....222 Douglas Way, San Antonio, Tex.  
51Q Franklin K. Matejka.....1201 Allgater St., Caldwell, Tex.  
51R Irving M. Laybourn.....1408 Congress Ave., Austin, Tex.  
51S Ben E. Gordon.....717 Beale St., Memphis, Tenn.  
51T Leroy Rush.....1220 Nineteenth Ave., Meridian, Miss.  
51U Loren H. Vaughan.....Comanche, Tex.  
51V Carl F. Moltzen.....Rallyville, Okla.  
51W R. Hortsberg.....3129 De Soto St., New Orleans, La.  
51X Oscar S. Rodgers.....1275 Thomas St., Memphis, Tenn.  
51Y J. E. Teykl.....Elgin, Tex.  
51Z Conrad F. Harrington.....212 E. 20th St., Little Rock, Ark.  
51A Boy Scouts of America.....Crosby, Tex.  
51B Robert S. Crandall.....2314 Twenty-second St., Meridian, Miss.  
51C Julian Lalne.....1430 Vanterville St., New Orleans, La.  
51D Houston Hendrix.....1616 Worth St., Ft. Worth, Tex.  
51E Raymond O. McKinney.....803 S. Boulder St., Tulsa, Okla.  
51F Raymond Allen Morrow.....915 S.E. Third St., Min. Wells, Tex.  
51G E. Ray Arledge.....Rvan, Ark.  
51H Vaughn W. Davis.....801 S.E. Third St., Min. Wells, Tex.  
51I Marshall R. Sanguinet, Jr.....130 Belle Place, Ft. Worth, Tex.  
51J Walter Sherry.....60 N. Catherine St., Mobile, Ala.  
51K Amos G. Daniels.....815 S. Beacom St., Dallas, Tex.  
51L Paul Clifton Barnes.....University Campus, Univ. P. O., Miss.  
51M William L. High.....411 Main St., Pine Bluff, Ark.  
51N Rees Louis Deddon.....3925 Fort Blvd., El Paso, Tex.  
51O Halton H. Friend.....1 Blk. E. Wash. St., Sand Spgs., Okla.  
51P Jim Sweeny.....Pearcell, Tex.

5ST Joe H. Hunter.....R. No. 4, Chco, Tex.  
 5SU E. H. Cathriner.....412 Arondale St., Fort Worth, Tex.  
 5SV Theo. H. Stoner.....Osmulgee High School, Okmulgee, Okla.  
 5SW Robert Lee Bailey.....1705 Wyoming St., El Paso, Tex.  
 5SX Lawrence J. Smith.....210 Holcombe St., Montgomery, Ala.  
 5SY LaPrelle Chapman.....4119 Classen Blvd., Okla. City, Okla.  
 5SZ Henry F. Wehrman.....4003 Carondelet St., New Orleans, La.  
 5TA Peter Theo. Crosby.....329 E. D St., Oklahoma City, Okla.  
 5TB Ethridge Edgar Pitts.....3538 Avenue K, Polytechnic, Tex.  
 5TC Allison Wilmer, Jr.....Stop 6, Dallas Pike, Fort Worth, Tex.  
 5TD Chas. Hazen Thornton.....825 College St., Shreveport, La.  
 5TE George W. Curry.....113 Duke St., Yoakum, Tex.  
 5TF Carl C. Claxton.....1012 Spruce St., Texarkana, Tex.  
 5TG James W. Hunt.....403 Goodwin St., Victoria, Tex.  
 5TH Alfred L. Overstreet.....42 S. Main St., Paris, Tex.  
 5TI Samuel Brandie.....Arlington, Tex.  
 5TJ Francis M. Floyd.....516 White St., Norman, Okla.  
 5TK Graham Kendall.....3614 Hall St., Dallas, Tex.  
 5TL George M. Howard.....1615 Arizona St., El Paso, Tex.  
 5TM Roy L. Lay.....110 Hubbard St., Yoakum, Tex.  
 5TN Jessie R. Collins.....216 Cooper St., Arlington, Tex.  
 5TO Rawleigh H. Ralls.....629 Edwards St., Edmond, Okla.  
 5TP Anceal L. Foster.....Grapewine, Tex.  
 5TQ Richard R. Beavens.....2404 Speedway, Austin, Tex.  
 5TR Henry Waldo Rogers.....1100 Seventh St., E. Las Vegas, N.M.  
 5TS Fred R. Groch.....1901 Harper St., El Paso, Tex.  
 5TT Kenneth L. Warriner.....Box 246, Dickinson, Tex.  
 5TU Homer C. Carr.....Commerce, Tex.  
 5TV Oscar A. Rasmussen.....Marlanna, Tex.  
 5TW Marion B. Tomme.....1505 Avenue D, Brownwood, Tex.  
 5TX Maury Holcombe McRae.....Corinth, Miss.  
 5TY Houston Radio Club.....3800 Harrisburg Blvd., Houston, Tex.  
 5UA Jos. Howard Pummill.....105 Dittmar St., San Antonio, Tex.  
 5UB Robert E. Greene.....5904 Belmont St., Dallas, Tex.  
 5UC Don R. Wells.....475 Elm St., Norman, Okla.  
 5UD Paul A. Bryan.....Winfield, La.  
 5UE Ben High Woodruff.....805 N. Rockwell Ave., Terrell, Tex.  
 5UF John S. Roberts, Jr.....Tyler St., Conway, Ark.  
 5UG John S. Roberts, Jr.....1806 Farragut St., Laredo, Tex.  
 5UH Troy Baxter.....Dublin, Tex.  
 5UI Frank D. Sutton.....604 Main St., Sparta, Tenn.  
 5UJ Chas. K. Rice.....100 S. Arno St., Albuquerque, N. M.  
 5UK W. A. & J. S. Swearingen.....Lockhart, Tex.  
 5UL Chas. A. Freitag.....8520 Forshey St., New Orleans, La.  
 5UM Clarence D. Booth.....Tucumcari, N. M.  
 5UN D. James Canale.....549 Belvidere Blvd., Memphis, Tenn.  
 5UO Ralph Parter.....1639 Collins Ave., Wichita Falls, Tex.  
 5UP James Richard Martin.....1517 Twelfth St., Wichita Falls, Tex.  
 5UQ Grady C. Coleman.....Irondale, Ala.  
 5UR Bryan Evans.....324 W. French St., San Antonio, Tex.  
 5US James Sides.....310 Asylum St., Terrell, Tex.  
 5UT John F. Roach.....Washington St., Corinth, Miss.  
 5UU Eugene Knoblock, Jr.....627 Canal St., Thibodaux, La.  
 5UV People Tel. & Tel. Company.....313 Commerce St., Knoxville, Tenn.  
 5UW Glendale Wirt.....817 Canal St., Thibodaux, La.  
 5UX Willard Stewart.....Brownwood, Tex.  
 5UY Clyde A. Abernathy.....Quinlan, Tex.  
 5UZ E. B. Frysinger.....619 N. Anglin St., Cleburne, Tex.  
 5VA Donald Percy.....Thibodaux, La.  
 5VB T. Frank Smith, Jr.....5015 Gaston St., Dallas, Tex.  
 5VC Jack C. Perry.....1142 N. 3rd St., Abilene, Tex.  
 5VD Greene Henry Jones.....Gadsden, Ala.  
 5VE Ralph Vermillion.....4629 Rusk Ave., Houston, Tex.  
 5VF William Lee Kincaid.....1635 N. Fourth St., Abilene, Tex.  
 5VG Maurice W. Hardy.....4228 Roseland Ave., Dallas, Tex.  
 5VH Allen H. Henderson.....Alamogordo, N. M.  
 5VI Charles H. Fletcher.....1500 High St., Little Rock, Ark.  
 5VJ Gustav A. deCortin.....10 Marlborough Gate, New Orleans, La.  
 5VK Fitzhugh Smith.....327 Sayre St., Montgomery, Ala.  
 5VL Robert A. Glover.....1425 Brady Ave., Brownwood, Tex.  
 5VM James V. Fitzhugh.....802 Erie St., San Antonio, Tex.  
 5VN W. G. Green.....209 W. Tonkawa St., Norman, Okla.  
 5VO Alex. Graham Elliot, III.....4324 Highland Drive, Dallas, Tex.  
 5VP Wilbur M. Jackson.....313 University Ave., San Antonio, Tex.  
 5VQ John McArthur.....Moss Point, Miss.  
 5VR Geoffrey D. Rayburn.....Box 444, R.F.D. 2, San Antonio, Tex.  
 5VS George Steele.....5345 St. Charles Ave., New Orleans, La.  
 5VT Richard D. Mason.....1005 "A" St., Lawton, Okla.  
 5VU Frank Billio.....602 St. Phillip St., Thibodaux, La.  
 5VV Jack Bond.....405 Johnson St., Terrell, Tex.  
 5VW S. Kenneth Sawyer.....1701 Leighton Ave., Anniston, Ala.  
 5VX Burres O'Neill.....Thibodaux, La.  
 5VY Wm. McAfee Bruce, Jr.....Morrilton Cot. Oil Co., Morrilton, Ark.  
 5VZ H. C. Sherrard.....1627 Ave. I, Galveston, Tex.  
 5WA Milton Pevler.....115 N. Travis St., Granbury, Tex.  
 5WB Ward Allen.....115 N. Edgefield St., Dallas, Tex.  
 5WC Julian Lee McGuire.....1629 Quintard Ave., Anniston, Ala.  
 5WD Lawrence P. Stark.....504 Alford St., Brownwood, Tex.  
 5WE Lloyd Wayne Vickery.....304 W. Lincoln St., Blackwell, Okla.  
 5WF Russell T. Cole.....806 Caldwell St., Conway, Ark.  
 5WG Ralph M. Pemberton.....Box 24, R. F. D. No. 1, Scott, Ark.  
 5WH William E. Owen.....1924 Albert St., Alexandria, La.  
 5WI Kenneth B. Griffin.....418 W. Park St., Enid, Okla.  
 5WJ Lee Johnson.....1312 Bishop St., Little Rock, Ark.  
 5WK James A. Bowling.....434 Calhoun St., New Orleans, La.  
 5WL Thomas E. Story.....222 N. Moose St., Morrilton, Ark.  
 5WM Earl C. Johnson.....724 7th & Main Sts., Memphis, Tenn.  
 5WN Cecil John Scott.....301 Park Ave., Little Rock, Ark.  
 5WO Charles J. Testa.....Krebs, Okla.  
 5WP Charles McGhee Cowan.....1691 Dandridge Pike, Knoxville, Tenn.  
 5WQ Edward Emmett McCall.....1306 Woodstock Ave., Anniston, Ala.  
 5WR Wallace E. Harris.....Conroe, Tex.  
 5WS Brownwood High School.....Brownwood, Tex.  
 5WT Samuel W. Wilkinson.....Kingston Pike, Knoxville, Tenn.  
 5WU Logan Cox.....Ferris, Tex.  
 5WV John E. Hoff.....Comanche, Tex.  
 5WY Clarence D. Carter.....City Hall, Childress, Tex.  
 5WZ Guy Simmons, Jr.....515 Clifton St., Conway, Ark.  
 5WA John B. Lewis.....923 Cheyenne St., Tulsa, Okla.  
 5WB Hugh O. Claycomb.....418 Caddo St., Shreveport, La.  
 5WC Victor W. Bouldin.....702 S.W. 4th Av., Mineral Wells, Tex.

5XAB Dr. L. M. Hunter.....2420 Izard St., Little Rock, Ark.  
 5XABA P. B. Brooks.....400 S. McDonough, Montgomery, Ala.  
 5XAC Conway Radio Laboratories.....Conway, Ark.  
 5XACA Southwest General Elec. Co.....Third & Washington Sts., Houston, Tex.  
 5XAD Gray & Gray.....Orange, Tex.  
 5XADA J. O. Newberry.....1822 Bennet Ave., Dallas, Tex.  
 5XAE Mobile Radio Co.....Mobile, Ala.  
 5XAEB Radio Phone Sales Co.....Enid, Okla.  
 5XAF Open  
 5XAG Arkansas Light & Power Co.....Pine Bluff, Ark.  
 5XAH C. B. Baxter.....204 Grafton St., Dublin, Tex.  
 5XAI Jackson Radio Engr. Lab.....Waco, Tex.  
 5XAJ Harley M. Sherwood.....1518 E. Central Ave., Albuquerque, N. M.  
 5XAK QRV Radio Company.....Houston, Tex.  
 5XAL L. J. N. duTrell.....480 Audubon St., New Orleans, La.  
 5XAM Agricultural-Mechanical C. of T.....College Stations, Tex.  
 5XAN Alabama Power Co.....Birmingham, Ala.  
 5XAO New Mexico College Arts & Sciences.....State College, N. M.  
 5XAP Tropical Radio Telegraph Co.....Burrwood, La.  
 5XAQ Howard Payne College.....Brownwood, Tex.  
 5XAR Open  
 5XAS Tropical Radio Telegraph Co.....New Orleans, La.  
 5XAT Open  
 5XAU Guy W. Neal.....Dublin, Tex.  
 5XAV Open  
 5XAW Electron Engineering Co.....1115 Whitney Central Bldg., N. O., La.  
 5XAX Open  
 5XAY George McK. Douglas.....916 Omar St., Houston, Tex.  
 5XAZ E. M. Baker.....San Antonio, Tex.  
 5XBA Pendleton E. Lebbe.....New Orleans, La.  
 5XBB S. G. F. Rathbome.....Montgomery, Ala.  
 5XBC Open  
 5XBD H. S. Richards & E. C. Hull.....1911 W. Ash St., Okla. City, Okla.  
 5XBE University of Texas.....Austin, Tex.  
 5XBF Port Arthur Radio Laboratory.....Port Arthur, Tex.  
 5XBG University of Oklahoma.....Norman, Okla.  
 5XBH Tom L. Gray.....Austin, Tex.  
 5XBI Alamo Radio Electric Co.....608 W. Evergreen St., San Antonio, Tex.  
 5XBJ St. Charles College.....Grand Coteau, La.  
 5XBK Patti Wilder High School.....Victoria, Tex.  
 5XBL Open  
 5XBM Noia Radio School.....New Orleans, La.  
 5XBN Mississippi-Agr.-Mech. Col. Miss. A College, Miss.  
 5XBO Univ. of Mississippi, Univ. Miss. University, Miss.  
 5XBP Agr.-Mech. College of Texas.....College Station, Tex.  
 5XBQ Open  
 5XBR Rice Institute.....Houston, Tex.  
 5XBS Open  
 5XBT Edgar A. Salm.....New Braunfels, Tex.  
 5XBU Thibodaux High School.....Thibodaux, La.  
 5XBV University of Arkansas.....Fayetteville, Ark.  
 5XBW Simmons College.....Abilene, Tex.  
 5XBX Open  
 5XBY University of New Mexico.....Albuquerque, N. M.  
 5XC Loyola University.....New Orleans, La.  
 5XC Obas R. Garrett.....6114 Main St., Fort Worth, Tex.  
 5XD San Marcos High School.....San Marcos, Tex.  
 5XE Tulane University.....New Orleans, La.  
 5XF Knights of Columbus School.....Fort Worth, Tex.  
 5XG Open  
 5XG Louis Falconi.....Roswell, N. M.  
 5XHA Open  
 5XHB Francis L. Pullen.....Houma, La.  
 5XHC John C. Flippin.....534 Pontotoc Ave., Memphis, Tenn.  
 5XHD Wilmer L. Barrow.....Baton Rouge, La.  
 5XHE Mine & Smelter Supply Co.....El Paso, Tex.  
 5XHF A. LeRoy Hill.....El Paso, Tex.  
 5XHG L. L. Ziegler.....2007 Huff Ave., Wichita Falls, Tex.  
 5XHH Leavell D. Wall.....San Antonio, Tex.  
 5XHI William P. Clarke.....Waco, Tex.  
 5XHJ George E. Endress.....Austin, Tex.  
 5XHK Fort Worth Record.....Fort Worth, Tex.  
 5XHL Rialto Theatre.....Beaville, Tex.  
 5XHM Arthur H. Holt.....Kountze, Tex.  
 5XHN R. C. Walke.....2nd Field Art. Brigade, Camp Travis, Tex.  
 5XHO K. B. Griffin.....30 Day Building, Enid, Okla.  
 5XHP Arthur C. West.....Commerce, Tex.  
 5XHQ Charles G. Clark.....Laredo, Tex.  
 5XHR Roswell Public Service Co.....Roswell, N. M.  
 5XHS Val Jensen & H. Egle.....137 S. St. Patrick St., New Orleans, La.  
 5XHT City of Dallas.....Dallas, Tex.  
 5XHU Elite Elec. Shop.....407 Mesa Ave., El Paso, Tex.  
 5XHV John C. Bell.....1128 Eleventh St. N., Birmingham, Ala.  
 5XHW Lowrin G. Dill.....234 S. Broadway, Oklahoma City, Okla.  
 5XHX Hubert E. deBen.....Bay St. Louis, Mo.  
 5XHY LeRoy Moffet, Jr.....312 1/2 Broadway, Oklahoma City, Okla.  
 5XIZ Kendall Brothers.....3301 Welborn St., Dallas, Tex.  
 5XJA Eugene W. Wood.....Abilene, Tex.  
 5XJB A. H. Belo & Co. (Dallas News).....Dallas, Tex.  
 5XJC Lawrence W. Stinson.....Fayetteville, Ark.  
 5XJD W. L. Wellford, Jr.....205 S. Belvidere Blvd., Memphis, Tenn.  
 5XJE Frank M. Corlette.....1101 E. Eighth St., Dallas, Tex.  
 5XJF Open  
 5XJG B. F. Still.....Houston, Tex.  
 5XJH Henry M. Harris.....Waco, Tex.  
 5XJI Maurice L. Prescott.....Norman, Okla.  
 5XJJ J. L. Martin.....605 E. 4th St., Amarillo, Tex.  
 5XJK R. M. Wilder.....2017 First Ave., Birmingham, Ala.  
 5XJL R. W. Goddard.....Mesilla Park, N. M.  
 5XJM Paul E. Greenlaw.....Franklington, La.  
 5XJN John M. Clayton.....Little Rock, Ark.  
 5XJO Charles E. Whartenby.....Enid, Okla.  
 5XJP Ed Nettleton.....Eagle Pass, Tex.  
 5XJQ Clifford W. Vick.....Carter Bldg., Houston, Tex.  
 5XJR Ralph E. Smith.....College Station, Tex.  
 5XJS Wm. H. England, Jr.....Ponca City, Okla.  
 5XJT Hobart J. Bell.....1501 Main Blvd., N. Little Rock, Ark.  
 5XJU Wm. E. Antony.....1513 Laurel St., Shreveport, La.  
 5XJV Open  
 5XJV Wesley H. Tilley.....Austin, Tex.  
 5XV Hallet E. Worthington.....4909 Park Drive, Houston, Tex.  
 5XV Donald H. Graham.....Jullif, Tex.  
 5XV Alfred P. Daniel.....2504 Bagby St., Houston, Tex.  
 5XV Fort Worth Star Telegram.....Fort Worth, Tex.  
 5XV Schonwald Bros.....Blackwell, Okla.  
 5XV John C. Flippin.....534 Pontotoc St., Memphis, Tenn.  
 5XV Mine & Smelter Supply Co.....El Paso, Tex.  
 5XV L. L. Ziegler.....207 Huff Ave., Wichita Falls, Tex.  
 5XV George L. Barnett.....165 Chatham St., Mobile, Ala.  
 5XV Interstate Elec. Co.....356 Baronne St., New Orleans, La.

# Special Radio Stations of the Fifth District

5XA Alabama Polytechnic Institute.....Auburn, Ala.  
 5XAA Huriburt Still Electric Co.....1201 McKinney Ave., Houston, Tex.



**THE WORLD'S GREATEST  
RADIO CRYSTAL**

**What Radio Fans  
Say About M.P.M.:**

Belmont, Ontario

"Can get stations with M. P. M. that were impossible with any other crystals used and I have tried all of the better known. Tonight heard California station, 2100 miles."

\* \* \*

Portland, Oregon

"M. P. M. Crystals are certainly wonderful. Heard Hale Bros., San Francisco concert last night, distance over seven hundred miles."

\* \* \*

Indian Trail, N. C.

"M. P. M. is finest crystal I ever used. Picked up over twenty stations first night I used it."

\* \* \*

Davenport, Iowa

"M. P. M. Crystal is a marvel. Am using phonograph as loud speaker and no amplifier, and hear distinctly."

\* \* \*

Kansas City, Missouri

"Using M. P. M. Crystal I picked up Atlanta, Georgia; Fort Worth, Dallas and San Antonio, Texas."

\* \* \*

New York City

"Your M. P. M. Crystal brings in concerts four or five times stronger than any crystal I have ever used."

\* \* \*

We will be glad to furnish  
Names and Addresses of above  
correspondents.

*This remarkable Radio Crystal, if universally used by owners of Crystal Sets, will go a long way toward relighting the fires of enthusiasm which have burned low, because of mediocre results secured with inferior crystals delivered to the public during the past year.*

M. P. M. CRYSTAL has a greater receiving radius than any other crystal. It is sensitive at practically every point on its surface and has greater audibility than any crystal we have tested. M. P. M. will not burn out or corrode. Every M. P. M. Crystal is tested for voice and music, a distance of more than 300 miles.

**BEWARE OF IMITATIONS.** M. P. M. Company controls the ledge from which Million Point Mineral is mined. The use of the name M. P. M. or Million Point Mineral in connection with any other Radio Crystal is absolutely unauthorized and this Company will take legal measures to stop such infringement. Million Point Mineral is sold only in separate crystals packed by our company in boxes bearing the trade mark M. P. M. Insist on the genuine M. P. M.

*Crystal Set Owners: If your dealer has not yet stocked M. P. M. crystals, we will be glad to supply them direct at the following prices:*

*Unmounted 25c each  
Mounted 35c each*

**JOBBERs and DEALERs:** Are you in a position to get the benefit of the National Advertising Campaign now running? Write today for our special sales proposition.

**M. P. M. SALES CO.**

Department C

247 South Central Ave. Los Angeles, Calif.



## 'Advance' C. W. Rectifier

Rectifies A. C. from 500 to 3000 volts for the plate. Moulded bakelite disk (5) corrugated on sides to stand high voltage.

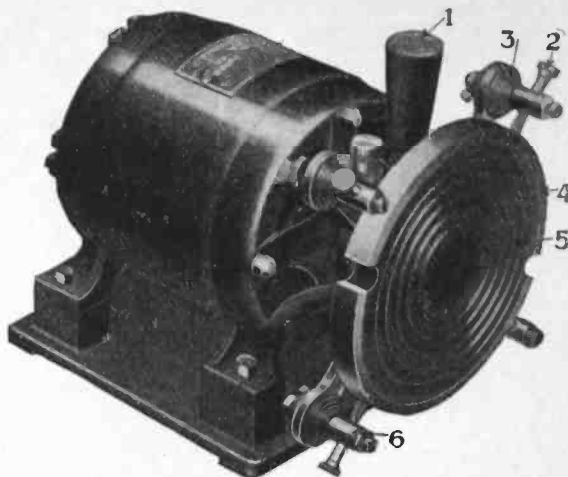
Moulded bakelite bushings (3) which overlap in center, insuring perfect insulation between polished aluminum brush arm support.

Nickel-plated brush holder (6) with adjustable gauze brushes which may be shifted to the proper non-spark position.

This rectifier is being used by some of the best known amateurs in Southern California as 6 E. N.—6 Z. R., 6 E. B., 6 E. A., 6 Z. A. L., and many others who are getting excellent results.

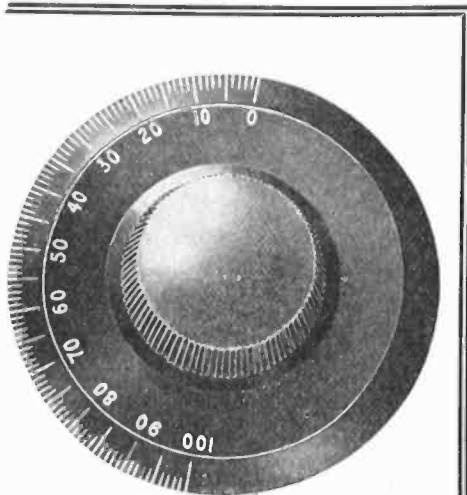
These rectifiers are guaranteed for one year. And to give service and satisfaction.

Price complete with motor \$40.00. Disk to fit your motor with complete brush assembly \$15.00.



Advance C. W. Rectifier

## A FEW GOOD REASONS WHY YOU SHOULD DEMAND ADVANCE UNIT CHARGER



Genuine Bakelite Dial Gorton Engraved 3 1/4 in. Beautiful in appearance. Ribbed Knob Designed for Convenient Adjustment. Price \$0.90.

Most efficient, rigid and simple construction. Built on an entirely new idea, which insures satisfactory operation.

Will stand rough use without damage to parts.

Very compact. Size five inches square. Handsome appearance.

Renewal parts after long service, fifty cents.

Self polarizing, which means that the battery may be connected to charger either way, or polarity.

Battery in ordinary condition can be charged over night.

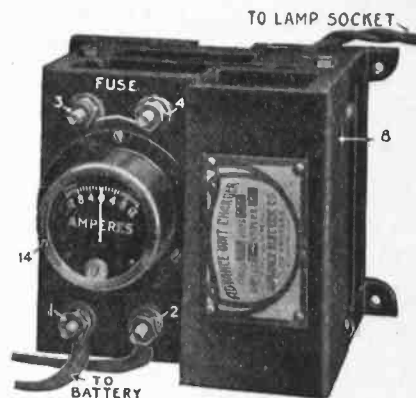
Low price in comparison to the quality of apparatus.

The saving of much inconvenience, time and expense which will pay for the machine in a short time.

Will not injure the battery if left connected after the battery is fully charged.

Guaranteed for a period of one year.

Price, F. O. B. Los Angeles, Calif., \$18.50



Advance Unit Charger  
For Auto and Radio Batteries

## Precision Condenser

Made in Vernier and Plain That Has Met With the Approval of Those Who Demand the Finest

Stator spacers 12—3/8-inch diameter.

Spring 13 perfect contact and friction for vernier plate.

Rotor tube 2—1/4-inch diameter, brass nickeled.

End collar 3 Adjustable for alignment.

Mounting posts 4—3/8-inch round 6/32 so spaced to accommodate any diameter dial.

Brass nickeled spacers 6—3/8-inch diameter accurately machined.

This condenser must be seen to be appreciated.

Beautiful in appearance. All trimmings polished nickel.

Vernier shaft 1, threaded 8/32 adjustable by set screw

10 to accommodate any thickness panel or dial.

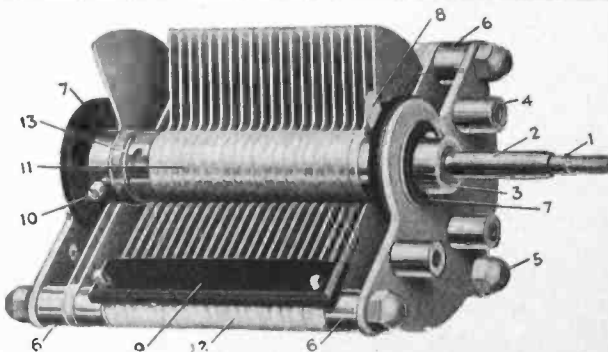
Bakelite bearing 7—1/4-inch shaft both ends.

Stop 9 full length of rotor.

Nickeled acorn nuts 5 which insure strength.

Rotor spacers 11—3/8-inch diameter, machine turned.

All spacers aluminum to .001 inch insuring perfect alignment of plates. Liberal Discounts to Dealers and Jobbers.



Plain	Price
3 plate	\$1.90
5 "	2.25
9 "	2.75
11 "	3.00
13 "	3.15
23 "	3.40
31 "	4.15
43 "	4.60
53 "	6.85

Vernier	Price
11 plate	\$ 5.65
13 "	5.80
23 "	6.00
31 "	7.00
43 "	8.00
53 "	10.00

Manufacturers **Advance Electric Company**  
1260 West Second Street

Engineers  
Los Angeles

# Amateur Radio Stations of the Sixth District

Headquarters, Customhouse, San Francisco, California, The sixth district comprises the States of California, Nevada, Utah, Arizona, and the territory of Hawaii.

6AA	Noble Heuter	1434 Jones St., San Francisco, Cal.	6AEH	E. L. Albright	2331 University St., San Diego, Cal.
6AAB	F. Thompson	348 W. Millford St., Glendale, Cal.	6AEI	H. Blackman	Winton, Cal.
6AAC	E. F. Hockenbeamer	721 Arlington Ave., Berkeley, Cal.	6AEJ	H. Lane	53 Cambridge Wav., Piedmont, Cal.
6AAD	H. J. Ralden	Fillmore, Cal.	6AEK	C. Harris	454-17th Ave., San Francisco, Cal.
6AAE	L. T. Hall	691 Post St., San Francisco, Cal.	6AEL	T. A. Cutting	67 First St., Campbell, Cal.
6AAF	L. E. Hinckley	Fillmore, Cal.	6AEM	P. T. Scott	Rt. 2, Box 177A, Fullerton, Cal.
6AAG	C. A. Coffman	R. F. D. Box 140, Anaheim, Cal.	6AEN	O. C. Frel	Tolenas, Cal.
6AAH	C. Baldwin & M. Gardner	Route 6, Phoenix, Ariz.	6AEO	F. Lopez	4001 Porter St., Oakland, Cal.
6AAI	H. Ambler	1070-10th St., San Diego, Cal.	6AEP	S. Lassen	1472-85th Ave., Oakland, Cal.
6AAJ	N. C. DeWolfe	206 Ellsworth, San Mateo, Cal.	6AEQ	Polytechnic High	1st & Frederick, San Francisco, Cal.
6AAK	A. B. Lopez	720 Barbara St., Santa Barbara, Cal.	6AER	R. Walker	1712 Russell St., Berkeley, Cal.
6AAL	H. Fleur	1540 Palou Ave., San Francisco, Cal.	6AES	M. L. Hoffman	432 Walsworth Ave., Oakland, Cal.
6AAM	C. H. Wiles	R. F. D. Box 57A, Stockton, Cal.	6AET	C. Schomaker	199 Douglass St., San Francisco, Cal.
6AAN	Jack Dent	36 & Elm St., San Diego, Cal.	6AEU	L. J. Meyerberg	428 Market St., San Francisco, Cal.
6AAO	R. S. Hewitt	3039 Royal St., Los Angeles, Cal.	6AEV	R. W. Hart	30 Grand Ave., Oakland, Cal.
6AAP	C. E. Peterson	529 Santa Inez Drive, San Mateo, Cal.	6AEW	S. Armfield	Woodland, Cal.
6AAQ	Clayton Bane	252 Castro St., San Francisco, Cal.	6AEX	F. Crowl	1813 Parker St., Berkeley, Cal.
6AAR	C. Zeliger	6355 Dan St., Oakland, Cal.	6AEY	F. W. Pratt	550 N. 17th St., San Jose, Cal.
6AAS	F. F. Moffett	843 Lake St., Reno, Nev.	6AEZ	G. J. Oullinan	294f Lincoln St., Ogden, Utah
6AAT	I. H. Brush	546 B St., Santa Rosa, Cal.	6AF	F. Schubert	209 Nevada St., San Francisco, Cal.
6AAU	J. Byrne	23 Union St., Santa Cruz, Cal.	6AFA	R. Wall	1211 E. 23d St., Oakland, Cal.
6AAV	V. Elliott	840 Magnolia St., Pasadena, Cal.	6AFR	R. T. Rarhnel	33-5th Ave., San Francisco, Cal.
6AAW	A. Woolf	1708 Grove St., Berkeley, Cal.	6AFC	A. L. Alderman	1001 Harrison St., Santa Clara, Cal.
6AAX	K. Burzell	2615 Barry Ave., Santele, Cal.	6AFD	R. W. Raker	1893 S. 9th St., E. Salt Lake Cy., Utah
6AAY	P. H. Gilbert	Big Creek, Cal.	6AFE	Roy Scouts, Troop 1	National City, Cal.
6AAZ	E. A. Banks	1648 Neal St., San Diego, Cal.	6AFF	Roy Scouts, Troop 18	San Diego, Cal.
6AB	W. T. Henry	544-11th Ave., San Francisco, Cal.	6AFG	Roy Scouts, Sig. ND/TS	San Diego, Cal.
6ABA	P. F. Johnson	2940 Maiden Lane, Altadena, Cal.	6AFH	H. M. Ellis	1524 S. California St., Stockton, Cal.
6ABB	Ed. Prosek	1085 Cruch St., San Francisco, Cal.	6AFI	Gamer Green	211 Glen Ridge Ave., Los Gatos, Cal.
6ABC	A. K. Arter	910 Chestnut St., Alameda, Cal.	6AFJ	H. C. Honkins	Rt. 2, Yuma, Ariz.
6ABD	R. G. Thom	2625-53d St., Los Angeles, Cal.	6AFK	Elmer Newton	1161 Benton St., Santa Clara, Cal.
6ABE	W. R. Dodson	924 A Ave., National City, Cal.	6AFV	O. K. Packard	1428 Olive St., Paso Robles, Cal.
6ABF	C. S. Smith	3512 Park Blvd., Oakland, Cal.	6AFM	Univ. High School	48th & Webster, Oakland, Cal.
6ABG	J. F. Hopkinson	309 S. Flower St., Los Angeles, Cal.	6AFN	C. E. Warriner	2462 Kuhlo St., Honolulu, T. H.
6ABH	G. K. Spencer	1324 Weber St., Alameda, Cal.	6AFO	R. R. Ellis	343-24th Ave., San Francisco, Cal.
6ABI	C. E. Cosgrove	716 E. 22d St., Oakland, Cal.	6AFP	G. W. Harriman	Clifton, Ariz.
6ABJ	E. R. Sharpe	Martinez, Cal.	6AQP	J. F. Ives	2500 Irving Ave., Alameda, Cal.
6ARK	G. Fenak	629-82d St., Oakland, Cal.	6AQR	Kimball Elect. Co.	526-13th St., Oakland, Cal.
6ARL	E. C. Reynolds	Paso Robles, Cal.	6AQS	E. D. Freeman	814 Carolina St., Vallejo, Cal.
6ARM	S. March	98 Wilber Circle, Santa Cruz, Cal.	6ART	M. Heeder	4165-25th St., San Francisco, Cal.
6ARN	R. C. Saunders	1528 Cambria St., Los Angeles, Cal.	6ARU	J. Gerard	Lodi, Cal.
6ABO	E. El Smith	537 N. Greenleaf Ave., Whittier, Cal.	6AVY	N. Borch	1919 Grant Ave., Berkeley, Cal.
6ABP	R. C. Anderson	1919 Lime Ave., Long Beach, Cal.	6AFW	F. Thompson	701 Sprada St., Fullerton, Cal.
6ABQ	C. Schneider	76 Caselli Ave., San Francisco, Cal.	6AFX	R. Mortimer	32 Walnut St., Los Gatos, Cal.
6ABR	S. Inselman	57 Douglas St., San Francisco, Cal.	6AFY	P. McDonough	800 W. Grant St., Healdsburg, Cal.
6ABS	M. Ashima	1474 Nuamer St., Honolulu, Hawaii	6AFZ	P. Stecher	2422 Jefferson Ave., Ogden, Utah
6ABT	J. D. Shea	5851 Burch St., Oakland, Cal.	6AG	E. A. Schin	1777-19th Ave., San Francisco, Cal.
6ABU	E. J. Stokes	2812-38th Ave., Oakland, Cal.	6AGA	L. H. Howard	317 Castro St., Martinez, Cal.
6ABV	E. J. Conroy	3650 Penniman Ave., Oakland, Cal.	6AGE	G. E. Elliott	Atwater, Cal.
6ABW	W. Donnemirth	Roseville, Cal.	6AGC	J. A. Cottle	State Hospital, Agnew, Cal.
6ABY	C. J. Bertrand	554-6th Ave., San Francisco, Cal.	6AGD	Roy Scouts, Troop 2	National City, Cal.
6ABZ	C. C. Pearson	119 W. Center, Corina, Cal.	6AGE	W. E. Bowen	Rt. 1, Box 292, Redland, Cal.
6AC	J. W. Little	1035 Lincoln Way, San Francisco, Cal.	6AGF	G. Atkinson	713 Grove St., Ukiah, Cal.
6ACA	L. B. Kennedy	2616 Virginia, Berkeley, Cal.	6AGG	H. P. Learned	Gilroy, Cal.
6ACB	M. P. Gilliland	1117 Foothill St., Pasadena, Cal.	6AGH	C. A. Noyes	3265 Liberty Ave., Alameda, Cal.
6ACC	W. D. Johnson	4346 Townsend St., Oakland, Cal.	6AGI	Calif. Inst. Technology	Pasadena, Cal.
6ACD	A. L. Walker	Winnemucca, Nev.	6AGJ	C. W. Holdiman	565 Spencer Ave., San Jose, Cal.
6ACE	W. H. Westerman	793-65th St., Oakland, Cal.	6AGK	E. S. Kliney, Jr.	3000 A St., San Diego, Cal.
6ACF	E. Pact	6461 San Pablo Ave., Oakland, Cal.	6AGL	K. M. Luard	1336 N. Main St., Stockton, Cal.
6ACG	M. H. Hurt	289 W. 14th St., Riverside, Cal.	6AGM	C. R. Weaver	145 N. Kenwood St., Glendale, Cal.
6ACH	C. E. Thompson	1876-15th St., San Francisco, Cal.	6AGN	F. Friehe	535 S. Los Angeles St., Anaheim, Cal.
6ACI	T. H. Wells	Upland, Cal.	6AGO	J. P. Kolar	524 Arkansas St., San Francisco, Cal.
6ACJ	P. R. Winstock	El Cajon, Cal.	6AGP	P. H. Talbot	465 Center St., Pomona, Cal.
6ACK	L. H. Atkinson	1306 Fillmore St., San Francisco, Cal.	6AGQ	A. N. Utter	136 E. 15th St., Long Beach, Cal.
6ACL	A. Brooks	432 Lyon St., San Francisco, Cal.	6AGR	W. J. Beran & R. H. Rogers	4143 Pacific Ave., San Diego, Cal.
6ACM	L. Newman	1700 Sonoma Ave., Berkeley, Cal.	6AGS	Alsemrau	940 Fairroaks St., Pasadena, Cal.
6ACN	R. W. Karigan	2843 Harrison St., San Francisco, Cal.	6AGT	W. H. Weddell	31 Grant St., San Jose, Cal.
6ACO	H. C. Rohohm	2069 O'Farrell St., San Fran., Cal.	6AGU	L. Tony Torrey	3820 Hlth St., Oakland, Cal.
6ACP	R. K. Salisbury	400 Wilcox Ave., Oroville, Cal.	6AGV	E. M. Carr	316 Presidio Ave., San Francisco, Cal.
6ACQ	H. W. Schriber	23 Presidio Ter., San Francisco, Cal.	6AGW	A. M. Herren	Presidio, San Francisco, Cal.
6ACR	T. A. Work, Jr.	181 Central Ave., Pacific Grove, Cal.	6AGX	C. J. Penther	1076 Alleen St., Oakland, Cal.
6ACS	H. F. Thornton	Arca, Cal.	6AGY	A. L. Bolton	1700 La Tona Ave., Berkeley, Cal.
6ACT	C. A. Thunen	5766 Broadway, Oakland, Cal.	6AGZ	R. S. Rheem	1045-54th St., Oakland, Cal.
6ACU	Radio Club	110 Carrello St., Santa Barbara, Cal.	6AH	P. F. Young	474 Orchard, Oakland, Cal.
6ACV	R. Walker	1127 El Centro Ave., Alameda, Cal.	6AHA	H. M. Raymond	117 Newlin Ave., Whittier, Cal.
6ACW	C. Potter	117 Hillside St., Piedmont, Cal.	6AHB	D. M. Raymond	546 N. Kenwood St., Los Angeles, Cal.
6ACX	R. E. Owen	6811 Hollywood Blvd., Los Angeles, Cal.	6AHC	Oakland Vocational High	12th & Market, Oakland, Cal.
6ACY	A. E. Eldale	115 N. Chester Av., Los Angeles, Cal.	6AHD	P. S. Burtchell	326 Irving St., San Francisco, Cal.
6ACZ	D. DeNeuf	811 B St., Petaluma, Cal.	6AHE	D. E. Chambers	339 E St., San Diego, Cal.
6AD	M. L. Webb	Nana, Cal.	6AHF	Roy Scouts, Troop 10	1835 Bancroft St., San Diego, Cal.
6ADA	M. Madero	430-10th St., San Diego, Cal.	6AHG	Roy Scouts, Troop 20	University Ave., San Diego, Cal.
6ADE	A. Cook	3016 Brook St., Oakland, Cal.	6AHI	Roy Scouts, Troop 30	4176 Jackdaw St., San Diego, Cal.
6ADD	A. P. Curtis	2060 Marano Ave., Los Anc., Cal.	6AHJ	R. Straight	2072 Broadway, Oakland, Cal.
6ADD	A. Merrill	214 Highland Ave., Piedmont, Cal.	6AHK	F. Crooks	1933 Baldwin St., Los Angeles, Cal.
6ADE	E. B. Weiss	1355 Regent St., Alameda, Cal.	6AHL	I. H. De Young	2030 Green St., San Francisco, Cal.
6ADF	C. C. Niles	601-6th St., Petaluma, Cal.	6AHM	F. C. Miramontes	903 Arguello Bld., Redwood City, Cal.
6ADG	F. Noel	301 W. 43rd Ave., Los Angeles, Cal.	6AHN	Geo. A. Seeger	423 W. Islay St., Santa Barbara, Cal.
6ADH	P. Friedenthal	2249 Brndertek St., San Francisco, Cal.	6AHO	F. F. Coe	Rt. D, Box 114, Lodi, Cal.
6ADI	J. W. Summers	1061-62d St., Oakland, Cal.	6AHP	Willie Williams	711 N. Gordon St., Pomona, Cal.
6ADJ	H. I. MrRae	634 N. Kenwood St., Glendale, Cal.	6AHR	R. A. Phillips	Moneta, Cal.
6ADK	M. T. Jarkins	1037 Elden Ave., Los Angeles, Cal.	6AHS	S. Winters	659 Clayton St., San Francisco, Cal.
6ADL	J. S. Campbell	873 N. Chester, Pasadena, Cal.	6AHT	H. Iams	4115 Thomas St., East San Diego, Cal.
6ADM	H. J. Bolton	124 N. Dillon St., Los Angeles, Cal.	6AHU	W. Scammel	1033 Excelsior Ave., Alameda, Cal.
6ADN	W. Van Ziles	1113 Evelyn Pl., Pasadena, Cal.	6AII	T. F. Gardner	Sanger, Cal.
6ADO	Jas. McGiffin	Roy Scouts, Stockton, Cal.	6AIV	R. Keyser	805 N. Gordon St., Pomona, Cal.
6ADP	R. P. Conlter	60 S. 10th St., San Jose, Cal.	6AIV	C. H. Parker	398 Molino Ave., Long Beach, Cal.
6ADQ	W. R. Pressel	136 Mill St., Reno, Nev.	6AIX	J. Doring	130 N. Aurora St., Stockton, Cal.
6ADR	R. N. Ball	1835 Edgemont Ave., San Diego, Cal.	6AII	R. Hall	1721 Beverly Place, Berkeley, Cal.
6ADS	C. DeVinna	1004 Second St., Santa Monica, Cal.	6AIZ	J. Anastasi	Fountain St., Monterey, Cal.
6ADT	L. P. Smith	729 W. Fifth St., Reno, Nev.	6AT	C. Peterson	4344 Howe St., Oakland, Cal.
6ADU	P. Keneckal	Route 1, Escandido, Cal.	6ATA	Chas E Taylor	1129 Bella Vista, Oakland, Cal.
6ADV	R. W. Hiekman	440 N. Washington St., Whittier, Cal.	6ATB	F. E. Gilbert	1620 Appleton St., Long Beach, Cal.
6ADW	A. Macdonald	1376 W. Washington St., Los An. Cal.	6ATC	M. T. Bruner	763 Humbolt St., Santa Rosa, Cal.
6ADY	F. G. Beck	417 C St., Wilmington, Cal.	6ATE	D. F. Culbert	12 Upper Lowell St., Lowell, Ariz.
6ADZ	S. Ayres	53 Third St., San Francisco, Cal.	6ATF	Tindley Winsor	200-22d St., Bakersfield, Cal.
6AE	Electric Lighting Sup. Co.	216 W. 3rd, Los Angeles, Cal.	6ATG	R. A. Mondy	707A Santa Clara St., Ventura, Cal.
6AEA	P. E. Terman	Stanford University, Cal.	6ATH	R. W. Koch	3324 E. 14th St., Oakland, Cal.
6AEB	W. P. Bell	1807 Alameda Ave., Alameda, Cal.	6ATI	T. F. Hutchins	5 W. Stage St., Redland, Cal.
6AEC	A. M. Fontaine	4127 Woodruff Ave., Oakland, Cal.	6ATJ	W. Moore	130 E. 30th St., Pasadena, Cal.
6AED	O. Bernhard, Boy Scouts Camp	Sloat Blvd., San Francisco, Cal.	6ATK	F. Wentworth	R.F.D. 3, Mis'n C'yon, St. Barb., Cal.
6AEE	S. Griffin	1825 Fourth St., San Diego, Cal.	6ATL	Thos. M. Sides	1333 East Ave., Selma, Cal.
6AEF	W. W. Grindell	1911 Eddy St., San Francisco, Cal.	6ATM	B. H. Caseboldt	Route A, Escalon, Cal.
6AEG	P. P. E. Parker	420 E. Chapman Ave., Fullerton, Cal.			
6AEG	N. B. Wells	2827 Union St., San Francisco, Cal.			

6AIN J. Pesavento ..... 804 P St., Sacramento, Cal.  
6AIO J. Kremer ..... 403 E. B St., Ontario, Cal.  
6AIP R. H. Rogers ..... 4143 Pacific Ave., San Diego, Cal.  
6AIQ U. J. McManus ..... 335 Vine St., Glendale, Cal.  
6AIR W. J. Barbel ..... Metcalf, Ariz.  
6AIS L. J. Keller ..... 1260 Jefferson St., Santa Clara, Cal.  
6AIT J. C. Flag ..... 210 E. 10th St., Claremont, Cal.  
6AIU A. W. Rowe ..... 5131 Monte Vista St., Los Ang., Cal.  
6AIV G. George ..... R. F. D. 1, Santa Barbara, Cal.  
6AIW G. W. Robinson ..... 512 1/2 Main St., Roseville, Cal.  
6AIX D. W. Pabst ..... Sisson, Cal.  
6AIY E. F. Hall ..... 546 Lincoln Ave., Salinas, Cal.  
6AIZ L. B. Kennedy ..... Letterman Hospital San Francisco, Cal.  
6AJ C. S. Mumdt ..... Concord, Cal.  
6AJA C. Simkins ..... Napa, Cal.  
6AJB J. Kaufman ..... 803 W. Oak St., Stockton, Cal.  
6AJC D. L. Heresch ..... 1031 S. Manhattan, Los Angeles, Cal.  
6AJD L. Hewitt ..... 135 Willow St., Stockton, Cal.  
6AJE C. D. Ellring ..... 3344 McHenry Ave., Modesto, Cal.  
6AJF F. C. Jones ..... 1822 Hearst Ave., Berkeley, Cal.  
6AJG J. H. Dolg ..... 2133 Columbia St., San Diego, Cal.  
6AJH L. Picket ..... San Ysidro, Cal.  
6AJI W. Terryberry ..... 676 Apgar St., Oakland, Cal.  
6AJJ H. C. MacQuarrie ..... 1115 Taylor St., San Francisco, Cal.  
6AJK C. Crabtree ..... 660 Hadley St., Whittier, Cal.  
6AJE Unassigned  
6AJM F. L. Mason ..... 540 Johnson St., Healdsburg, Cal.  
6AJN D. O'Brien ..... 643 Polier St., Oakland, Cal.  
6AJO C. Schuler ..... 604—3rd St., San Diego, Cal.  
6AJP L. Wolfson & W. Burgess ..... Marcopa, Cal.  
6AJQ H. Schulz ..... 1477 Benton St., San Jose, Cal.  
6AJR R. L. Roy ..... 941 Court St., Reno, Nev.  
6AJS E. Josselyn ..... 620 Golden Gate Av., San Fran., Cal.  
6AJT Humboldt Co. High School ..... Winnemucca, Nev.  
6AJU O. Buckman ..... Farmington, Cal.  
6AJV R. M. Bottoms ..... 1146 P St., Fresno, Cal.  
6AJW W. Bolberg ..... 541 Yosemite St., Manteca, Cal.  
6AJX A. Anderson ..... Richfield, Utah  
6AJY H. C. Lovell ..... 10 Mosswood Rd., Berkeley, Cal.  
6AJZ E. J. Saunders ..... 2515 LeConte Ave., Berkeley, Cal.  
6AK G. J. Mealer ..... Walnut Grove, Cal.  
6AKA G. S. Kimball ..... 1041 E. 17th St., National City, Cal.  
6AKB R. D. McCurdy ..... 142 Pine Ave., Los Angeles, Cal.  
6AKC J. W. Morton, Jr. .... 1515 Clayton, San Francisco, Cal.  
6AKD C. F. Mulstead ..... 1566—19th St., San Diego, Cal.  
6AKE K. W. Nicholson ..... P. O. Box 156, Woodlake, Cal.  
6AKF R. M. Bollinger ..... Cardiff by the Sea, Cal.  
6AKG W. Barnes ..... 408 Nutmeg St., San Diego, Cal.  
6AKH C. Maass ..... 250—21st Ave., San Francisco, Cal.  
6AKI V. C. Hammond ..... 440 Patchett St., Napa, Cal.  
6AKJ P. H. Gnodwin ..... Oildale, Cal.  
6AKK J. C. Ar buckle ..... 343—10th St., San Diego, Cal.  
6AKL R. L. Rogers ..... 4102 Campus Ave., San Diego, Cal.  
6AKM E. L. Pickett ..... 6057 Meridian St., San Diego, Cal.  
6AKN A. B. Barnes ..... 1203—25th St., San Francisco, Cal.  
6AKO W. C. Boman ..... Auburn, Cal.  
6AKP E. Jones ..... Box 14, Auburn, Cal.  
6AKQ H. H. Hunt ..... 629 S. F. St., San Mateo, Cal.  
6AKR H. E. Williams ..... 1319 Napa St., Vallejo, Cal.  
6AKS J. Haushild ..... 1035 Sierra St., Reno, Nev.  
6AKT J. Imsand ..... 40 Goethe St., Daly City, Cal.  
6AKU F. L. Cumins ..... 229 Pierce St., San Francisco, Cal.  
6AKV H. L. Winer ..... 638 Ryland St., Reno, Nev.  
6AKW L. R. Patler ..... 120 Maple Ave., Fullerton, Cal.  
6AKX Sven Jonson ..... 225 Lytton Ave., Palo Alto, Cal.  
6AKY N. J. Becar ..... 285 E. San Fernando, San Jose, Cal.  
6AKZ F. Catendo ..... Sebastopol, Cal.  
6AL G. F. MacMullen ..... 2425 Le Conte Ave., Berkeley, Cal.  
6ALA A. H. Sarre ..... 933 Sonoma Ave., Santa Rosa, Cal.  
6ALB T. L. Davis ..... 320 N. Picketing, Whittier, Cal.  
6ALC P. Vettel ..... 108R—63d St., Oakland, Cal.  
6ALD R. Taccart ..... 1500 N. Los Robles, Pasadena, Cal.  
6ALE G. S. Lindsay ..... 5107—11th Ave., Los Angeles, Cal.  
6ALF G. S. Carrs ..... 100 W. Main St., El Monte, Cal.  
6ALG A. I. Rindgett ..... 603—45th St., Los Angeles, Cal.  
6ALH B. Wright ..... 2223 Jefferson St., Ogden, Utah  
6ALI J. P. Murphy ..... Sallida, Cal.  
6ALJ W. E. Sellers ..... La Habra, Cal.  
6ALK R. A. Hancock ..... 408 Palm St., Anaheim, Cal.  
6ALL F. Weyerhausen ..... 315 S. Orange Grove, Pasadena, Cal.  
6ALM F. Lee ..... 1304 E. Worth, Stockton, Cal.  
6ALN M. F. Parren ..... 719 Rampart St., Los Angeles, Cal.  
6ALO C. J. Reiksborg ..... 290 E. 10th St., Pomona, Cal.  
6ALP H. Brown ..... 1605 E. First St., Los Angeles, Cal.  
6ALQ R. Merrill ..... 225 Orange St., Oakland, Cal.  
6ALR R. Donovan ..... 489—25th Ave., San Francisco, Cal.  
6ALS R. I. Ludwig ..... 4206—20th St., San Francisco, Cal.  
6ALT H. G. Peery ..... 25 Northwood Drive, San Francisco, Cal.  
6ALU R. P. McKenzie ..... 1016 Fourth Ave., Los Angeles, Cal.  
6ALV O. Zimmerman ..... 1926 Park St., Alameda, Cal.  
6ALW F. J. Ludemann ..... 311 N. C., San Mateo, Cal.  
6ALX W. A. Hammond ..... 3020 Champion St., Oakland, Cal.  
6ALY E. Koeper ..... 9401 E. 14th St., Oakland, Cal.  
6ALZ M. W. Shullif ..... 8925 E. 14th St., Oakland, Cal.  
6AM E. J. Morrow ..... Covina, Cal.  
6AMA G. S. Frevermuth ..... 154—15th Ave., San Francisco, Cal.  
6AMB C. Stull ..... 467 S. First St., San Jose, Cal.  
6AMC C. Fee ..... Sisson, Cal.  
6AMD L. R. Carmack ..... 1815 San Andreas, Santa Barbara, Cal.  
6AME R. H. Potts ..... Riverbank, Cal.  
6AMF F. G. Leal ..... Box 100, Irvington, Cal.  
6AMG C. A. Burrows ..... Pac. Union College, St. Helena, Cal.  
6AMH S. Haughton ..... 242 Elm St., San Mateo, Cal.  
6AMI G. O. Brown ..... 318 Trinity St., Vallejo, Cal.  
6AMJ M. D. Foster ..... 642 N. Newlin St., Whittier, Cal.  
6AMK R. H. Miller ..... Glen Una Ranch, Los Gatos, Cal.  
6AML P. Burgess ..... State Hospital, Agnews, Cal.  
6AMM G. F. Crowley ..... Port Costa, Cal.  
6AMN A. A. Crawford ..... 1737 Mission St., S. Pasadena, Cal.  
6AMO W. K. Downey ..... 1725 Downey Ave., Modesto, Cal.  
6AMP H. G. Morzan ..... N. Orange Grove Ave., Pomona, Cal.  
6AMQ H. M. Wollam ..... 7155 Converse St., Los Angeles, Cal.  
6AMR R. F. Jennings ..... 4170 Glen Algon Dr., Los Angeles, Cal.  
6AMS F. W. Hadley ..... 72 Henry St., San Francisco, Cal.  
6AMT P. R. Boardman ..... Tucson Ave., Tucson, Ariz.  
6AMU T. E. Robinson ..... 3793—31st St., San Diego, Cal.  
6AMV A. P. Montiero ..... 1312—97th St., Oakland, Cal.  
6AMW J. E. Wahler ..... Route No. 2, Sebastopol, Cal.  
6AMY J. P. Bradley ..... 2716 Pacific Ave., San Francisco, Cal.  
6AMZ Sanger Hch School ..... Sanger, Cal.  
6AN F. A. Mauser ..... 8007 Prospect Row, San Mateo, Cal.  
6ANA W. H. Vettel ..... Hombrook, Cal.  
6ANB E. Gassman ..... 3237 Belmont St., Fresno, Cal.  
6ANC F. W. Donkin ..... 1210—11th St., Modesto, Cal.  
6AND J. H. Gilson ..... 2800 Woolsey St., Berkeley, Cal.  
6ANE James Kennedy ..... Hoanhu Dist., Pepeskee, T. H.  
6ANF F. M. Spencer ..... Box 363, Gridley, Cal.  
6ANG T. L. Sahn & A. E. Evans ..... 5534 Edgerly St., Oakland, Cal.  
6ANH J. E. Soderlund ..... 2829—10th St., Berkeley, Cal.  
6ANT D. W. Chambers ..... 638 E. St., San Diego, Cal.  
6AT E. Thayer ..... 12 Hayward St., San Mateo, Cal.

6AN N. M. Tete ..... Vacaville, Cal.  
6ANK I. A. Weihe ..... 818 F St., Sparks, Nev.  
6ANL F. L. Cerner ..... 303 Hopkins St., Redwood Ctr., Cal.  
6ANM F. J. Elser ..... Main St., San Rafael, Cal.  
6ANN E. De Neuf ..... 524—7th St., Petaluma, Cal.  
6ANO W. W. Everett, Jr. .... St. Helena, Cal.  
6ANP N. Wabster ..... 3240 Lowe Ave., Fresno, Cal.  
6ANR H. R. Bradburne ..... Route 1, Ontario, Cal.  
6ANS J. R. Hubbell ..... 200 Santa Cruz St., Los Gatos, Cal.  
6ANT D. H. Surtain ..... Merced, Cal.  
6ANU W. T. Wright ..... 3729 Stockton Av., E. San Diego, Cal.  
6ANV C. Champney ..... 3239 Herman St., San Diego, Cal.  
6ANW A. R. Stanford ..... 422 Vernon St., Oakland, Cal.  
6ANX G. S. Parsons ..... 1975—81st Ave., Oakland, Cal.  
6ANY L. R. Saunders ..... El Cajon, Cal.  
6ANZ R. Abramson ..... 1206 Stanley St., Ukiah, Cal.  
6AO V. C. Litton ..... 1351 Webster St., San Francisco, Cal.  
6AOA Wm. Regalia ..... 160—26th Ave., San Francisco, Cal.  
6AOB H. G. Taylor ..... 217 Cypress Ave., Stege, Cal.  
6AOC W. Cutting ..... Box 55, National Ave., Los Gatos, Cal.  
6AOD W. Hopson ..... 67 N. First St., Campbell, Cal.  
6AOE J. H. Chase ..... 704 Fifteenth St., Modesto, Cal.  
6AOF F. B. Tinney ..... 1323 Lemon St., Riverside, Cal.  
6AOG W. N. Simonds ..... 265 Lytton Ave., Palo Alto, Cal.  
6AOH William Peterson ..... 1129 Sacramento St., Vallejo, Cal.  
6AOI C. Park O. R. O. .... 209 West St., Sebastopol, Cal.  
6AOK H. O. Snyder ..... Box 237, Riverbank, Cal.  
6AOL G. F. Banks ..... 1440 Eddy St., San Francisco, Cal.  
6AOM J. H. Neilson ..... 1648 Beale St., San Diego, Cal.  
6AON F. J. Chambers ..... 4903 First St., San Diego, Cal.  
6AOP T. P. Bor Scouts ..... 318 Valley St., San Francisco, Cal.  
6AOP S. J. Thibout ..... Piedmont, Cal.  
6AOR J. H. Mouthrop ..... 121 Seventh Ave., San Francisco, Cal.  
6AOS S. G. Glasson ..... 1112 Pacific Ave., Alameda, Cal.  
6AOT W. C. Rodgers ..... 2319 Ashby Ave., Berkeley, Cal.  
6AOU W. T. Mills ..... 1016 Pacific Ave., Alameda, Cal.  
6AOV A. Hoeflich, Jr. .... R. R. 1, Box 15, Berkeley, Cal.  
6AOW E. Minzenmayer ..... 521 Anza St., San Francisco, Cal.  
6AOX G. A. Keet ..... 1616 Forty-eighth Av., San Fran., Cal.  
6AOY C. Fick ..... 137 Sierra St., Riverside, Cal.  
6AOP J. L. Stevens ..... 231 N. C St., San Mateo, Cal.  
6AOL G. M. Sanders ..... Box 1047, Avaton, Cal.  
6AOP H. W. Dodge ..... 118 N. Mill St., Santa Paula, Cal.  
6APA H. M. Weston ..... 1035 Ortega St., San Francisco, Cal.  
6APB W. G. Simms ..... 1 Howard St., San Francisco, Cal.  
6APC M. Fanning ..... 302 Sycamore St., Modesto, Cal.  
6APD L. Lane ..... 1529 Fuller Ave., Los Angeles, Cal.  
6APE W. H. Halabrd ..... 2518 Wellington Rd., Los Angeles, Cal.  
6APG J. M. Glessner ..... Willows, Cal.  
6APH C. C. Young ..... 1915 Ocean View, Los Angeles, Cal.  
6API R. L. Dewey ..... 2837 Piedmont Ave., Berkeley, Cal.  
6APJ V. Hall ..... 318 Valley St., San Francisco, Cal.  
6APK J. Hall ..... 450 Divisadero St., San Francisco, Cal.  
6APL F. Scanlan ..... 211 Edgewood Ave., San Francisco, Cal.  
6APM O. Meyers ..... 211 Edgewood Ave., San Francisco, Cal.  
6APN F. J. Conlin ..... 513 Fountain Ave., Pacific Grove, Cal.  
6APO L. Babiza ..... General Delv., Linden, Cal.  
6APP R. Ravis ..... 517 Virginia St., Vallejo, Cal.  
6APQ F. Aze ..... 123 Orange St., Fullerton, Cal.  
6APR G. H. Taylor ..... 1258 W. Pierce St., Phoenix, Ariz.  
6APS H. C. McDonald ..... Escondido, Cal.  
6APT T. F. Chapman ..... Fall River Mills, Cal.  
6APU H. Jones ..... Arcata, Cal.  
6APV L. C. Snell ..... 1601 Oakland Ave., Piedmont, Cal.  
6APW B. S. Pig ..... 224 Ricardo Ave., Piedmont, Cal.  
6APX E. D. Barcus ..... 407 West Ave., 52d, Los Angeles, Cal.  
6APY W. Haines ..... 405 N. Maryland Ave., Glendale, Cal.  
6APZ W. Minkler ..... R. 2, Box 611, Los Angeles, Cal.  
6AO A. H. Cormack ..... 212 W. Lomita Ave., Glendale, Cal.  
6AOA G. S. Tichenor ..... 268 Lochst St., Riverside, Cal.  
6AOC C. Farnham ..... 1235—7th Ave., San Francisco, Cal.  
6AOD C. Wilson, Jr. .... 421 W. Adams St., Los Angeles, Cal.  
6AOE J. & G. Utteshig ..... Thermoalito St., Oroville, Cal.  
6AOF C. R. Wallace ..... 3046 Benvenue Ave., Berkeley, Cal.  
6AOG E. G. Wahn ..... 1468—9th Ave., San Francisco, Cal.  
6AOH R. Williams ..... 3430—33d St., San Diego, Cal.  
6AOI Richmond Union High School ..... Richmond, Cal.  
6AOJ D. C. McNeely ..... 1840—62d St., Berkeley, Cal.  
6AOK J. H. Knost ..... 90 N. Church, Tucson, Ariz.  
6AOL G. Parsons (Portable) ..... El Cajon, Cal.  
6AOM J. H. Gunning ..... 820—30th St., Los Angeles, Cal.  
6AON N. D. Thompson ..... 137—16th St., Eureka, Cal.  
6AOP A. Young ..... Weaverville, Cal.  
6AOP H. M. Keith ..... 527 Summer St., Eureka, Cal.  
6AOQ A. H. Furst ..... 211 S. Orange St., Bra., Cal.  
6AOR P. L. Toll ..... 843 E. Central Ave., Redlands, Cal.  
6AOS H. & M. Pitts ..... Prospect Ave., Arcata, Cal.  
6AOT M. D. Graham ..... 510 N. Mission St., Whittier, Cal.  
6AOU H. Recker ..... 6784 Hollywood Blvd., Hollywood, Cal.  
6AOV E. Gilbert ..... 117 W. 45th St., Los Angeles, Cal.  
6AOW J. A. Retterley ..... 2010—41st St., Los Angeles, Cal.  
6AOX J. McNeal ..... Eureka Camp, Pine Knot P. O., Cal.  
6AOY N. O. Glover ..... 108 Marengo St., Alhambra, Cal.  
6AOP S. G. Estes ..... 1073 Lincoln Ave., San Diego, Cal.  
6AR P. F. Byrne ..... Del Mar, Cal.  
6ARA Unassigned ..... 2417—18th Ave., San Francisco, Cal.  
6ARB C. Duncan ..... 3029 Baker St., San Francisco, Cal.  
6ARC R. M. Farnsworth ..... Colusa, Cal.  
6ARD H. Glidden ..... Sutter, Cal.  
6ARE D. Van Lanep ..... Orange St., Auburn, Cal.  
6ARF J. Duggan ..... 115 Elm St., Woodland, Cal.  
6ARF S. Cress ..... 614 E. Ninth St., Los Angeles, Cal.  
6ARF G. Stevens ..... 77A Pearl St., San Francisco, Cal.  
6ARI J. M. Swindt ..... 580 Columbia Ave., Pomona, Cal.  
6ARJ J. W. Cook ..... Sanger, Cal.  
6ARK G. P. Johnson ..... 731 S. State St., Ukiah, Cal.  
6ARL G. Pittman ..... 854 Cedar St., Alameda, Cal.  
6ARM C. Van Sichel ..... 150 Gleason Ave., Vallejo, Cal.  
6ARN L. Ertan ..... 390—62d St., Oakland, Cal.  
6ARF A. Rupert ..... 307 N. Curtis Ave., Alhambra, Cal.  
6ARF G. Smith, Jr. .... 729 S. Broadway, Santa Maria, Cal.  
6ARF J. J. Satafore ..... 3121A Folsom St., San Francisco, Cal.  
6ARS J. J. Sawyer ..... 1880 Atlantic Ave., Long Beach, Cal.  
6ART E. L. Hesse ..... 236 Stewart St., Reno, Nev.  
6ART G. Dunnington ..... 348 Fourth St., Long Beach, Cal.  
6ARV H. E. Christensen ..... Mantl, Utah  
6ARV F. G. Austin ..... 210 W. 3d St., Riverside, Cal.  
6ARW E. Wyatt ..... 4071 This St., San Diego, Cal.  
6ARX R. M. Moore ..... 2524 N. Main St., Tucson, Ariz.  
6ARY L. C. Searcy ..... 1525 I St., Eureka, Cal.  
6ARZ F. S. Hannah ..... Puento, Cal.  
6AS T. B. Brown ..... 3675—20th St., San Francisco, Cal.  
6ASA S. McKinley ..... 2141 E. Brill St., Phoenix, Ariz.  
6ASB D. V. Russell ..... 113 W. Ash Ave., Bra., Cal.  
6ASC P. Sapp ..... 1107 W. 45th St., Los Angeles, Cal.  
6ASD F. Brinninstool ..... 1206 N. Stoneman Av., Alhambra, Cal.



6ASE H. Benlof ..... P. O. Box 477, Claremont, Cal.  
6ASG C. M. Robertson ..... 29 Birch St., Redwood City, Cal.  
6ASG H. H. Remart ..... 60 Rivoli St., San Francisco, Cal.  
6ASH J. L. Slater, Jr. .... 52 California St., San Francisco, Cal.  
6ASJ H. Werner ..... 3039 Adeline St., Berkeley, Cal.  
6ASJ Charles L. Elvin ..... 929—60th St., Oakland, Cal.  
6ASK E. Knopf ..... 268 Wasworth Ave., Oakland, Cal.  
6ASL L. C. Anderson ..... 616 Cole St., San Francisco, Cal.  
6ASM B. K. Haasler ..... 4329 Townsend Ave., Oakland, Cal.  
6ASN D. K. Koch ..... 2034 Berryman St., Berkeley, Cal.  
6ASO J. P. Hickey ..... 149 Birch Ave., San Francisco, Cal.  
6ASP C. F. Gard ..... 6818 Ayala St., Oakland, Cal.  
6ASQ F. J. McClung ..... 377 S. Rugby Ave., Huntington Pk., Cal.  
6ASH W. Chan Check ..... Berntania St., Honolulu, T. H.  
6AST R. F. Legge ..... 3016 Decourse Ave., Berkeley, Cal.  
6ASU E. Sibbett ..... 73 Parkside Drive, Alameda, Cal.  
6ASV D. G. Gihson ..... Tucson, Ariz.  
6ASW L. Coffey ..... Tucson, Ariz.  
6ASX A. W. Willford ..... 3265 Central Ave., Alameda, Cal.  
6ASY R. H. Plimpton ..... 2508 1/2 Palm Drive, Los Angeles, Cal.  
6ASZ D. S. Graham ..... 1109 Dolores St., San Francisco, Cal.  
6AT E. G. Arnold ..... 647 N. Madison Ave., Pasadena, Cal.  
6ATA H. Newman & I. Newman ..... 1700 Sonoma Ave., Berkeley, Cal.  
6ATB P. Lengrick ..... 510 N. Lake St., Los Angeles, Cal.  
6ATC K. W. Kent ..... 53 Hernandez Ave., Los Gatos, Cal.  
6ATD J. R. Casey ..... Auburn, Cal.  
6ATE H. Adams ..... 1268 B. 9th E. St., Salt Lake City, U.  
6ATF W. R. Kroos ..... 137 S. Walnut St., Brea, Cal.  
6ATG R. Robinson ..... 520 Rose Ave., Long Beach, Cal.  
6ATH M. E. Johnson ..... 1 E. 2d St., Ephraim, Utah  
6ATI A. Watson ..... 1204 N. St., Eureka, Cal.  
6ATJ F. Nickson, Jr. .... 416 8th St., Petaluma, Cal.  
6ATK E. C. Hammerly ..... 527 Merrimac, San Francisco, Cal.  
6ATL H. I. McIntosh ..... 312 E. Mill St., Santa Maria, Cal.  
6ATM D. Likes ..... 137 Richards St., Fallon, Nev.  
6ATM D. Dikes ..... 137 Richard St., Fallon, Nev.  
6ATN M. E. Smart ..... Fallon, Nev.  
6ATO E. G. Bowman & T. F. Holmes ..... Thacher School, Oaji, Cal.  
6ATP O. Wblita ..... Nogales, Ariz.  
6ATQ N. A. Wall ..... Mt. Pleasant, Utah  
6ATR C. Urquehart ..... 403 E. St., Eureka, Cal.  
6ATS R. Flindge ..... 19th Av. & Sloat Ed., San Fran., Cal.  
6ATT Pomona Fixture & Wire Co. .... Pomona, Cal.  
6ATU C. Manning ..... R. No. 1-4-215J, Oakland, Cal.  
6ATV John Utachig ..... 1468—9th Ave., San Francisco, Cal.  
6ATW J. Ellassen ..... 317 Ramona Ave., Berkeley, Cal.  
6ATX H. C. Gregory ..... Vendome Ave., Daly City, Cal.  
6ATY T. L. Graham ..... 1189 Dolores St., San Francisco, Cal.  
6ATZ G. Evans ..... 3042 Delamare St., Oakland, Cal.  
6AU W. A. Collins ..... 788—19th Ave., Oakland, Cal.  
6AUA L. Ziegler ..... 4601 Pasadena Ave., Los Angeles, Cal.  
6AUB C. Compton ..... 3269—28th St., San Diego, Cal.  
6AUC H. Hostetter ..... 3756 Oregon St., San Diego, Cal.  
6AUD J. Elmer ..... 2020 Monroe Ave., San Diego, Cal.  
6AUE M. D. Ball ..... 1168—22d St., San Diego, Cal.  
6AUF J. P. Thomas ..... St. Joseph H. School, San Jose, Cal.  
6AUG H. Vettel ..... Hornbrook, Cal.  
6AUH D. Bergetich ..... Macnolla Ave., Pasadena, Cal.  
6AUI F. W. Robinson ..... 903 Pine St., Oroville, Cal.  
6AUJ P. Peterson ..... 1213 E. Washington St., Phoenix, Ariz.  
6AUK A. Burley ..... Newcastle, Cal.  
6AUL H. O. De La Montanya ..... 2830—11th Ave., Oakland, Cal.  
6AUM C. H. Romander ..... Smith River, Cal.  
6AUN C. A. Messineo ..... 1730 Page St., San Francisco, Cal.  
6AUO J. J. Wallace ..... 831 Sacramento St., Vallejo, Cal.  
6AUP J. F. Brady ..... 2012 Pacific St., Alameda, Cal.  
6AUQ R. M. Helms ..... 653 Miramar Ave., San Francisco, Cal.  
6AUR W. A. Carlson ..... 1710—34th Ave., Oakland, Cal.  
6AUS E. El Vetter ..... 912 Persia Ave., San Francisco, Cal.  
6AUT R. E. Esparza ..... 1915 Lincoln Ave., Alameda, Cal.  
6AUU H. A. Tattenham ..... 316 Richard Ave., San Francisco, Cal.  
6AUV E. T. Cole ..... 116 Florida St., Vallejo, Cal.  
6AUW R. Ghidella ..... 2051 Leavenworth St., San Fran., Cal.  
6AUX R. H. Heslon ..... 437 Walnut St., San Francisco, Cal.  
6AUY R. Moore ..... 2612 Buena Vista Ave., Alameda, Cal.  
6AUZ E. M. Hall ..... 931—61st St., Oakland, Cal.  
6AV P. T. Nesbit ..... Healdsburg, Cal.  
6AVA G. Deaner ..... 154 J St., Tulare, Cal.  
6AVB C. A. Pearson ..... 2323 F St., Sacramento, Cal.  
6AVC J. M. Boyd ..... 13th & Market St., Oakland, Cal.  
6AVD J. R. Alois ..... R. F. D. No. 3, Box 735, Watts, Cal.  
6AVE J. C. Orner ..... 1121 Santa Clara St., Vallejo, Cal.  
6AVF J. H. Hadley ..... 1190 Jackson St., San Francisco, Cal.  
6AVG R. W. Winnew ..... 269 Richland Ave., San Francisco, Cal.  
6AVH R. Richardson ..... 4358 Foothill Blvd., Oakland, Cal.  
6AVI L. C. Cole ..... 753 E. 3d St., Los Angeles, Cal.  
6AVJ M. S. Wood ..... 483 L St., Dinuba, Cal.  
6AVK M. V. Ruch, Jr. .... 2426 Alhambra Ave., Alhambra, Cal.  
6AVL F. L. Walker, Jr. .... Westwood Lassen County, Cal.  
6AVM R. Zimmerman ..... Canby, Cal.  
6AVN T. Shaw ..... 150 W. 3d St., Claremont, Cal.  
6AVO B. McMahon ..... Compton, Cal.  
6AVP E. E. Barnett ..... 548 W. 6th St., Long Beach, Cal.  
6AVQ H. Knauth ..... 250—3rd St., San Francisco, Cal.  
6AVR C. Yates ..... R. F. D. No. 3, Fullerton, Cal.  
6AVS H. Norik ..... 506 Orange Ave., Long Beach, Cal.  
6AVT H. Frame ..... 2533 Brant St., San Diego, Cal.  
6AVU K. K. Lampkin ..... 114 Bonito Court, Ontario, Cal.  
6AVV M. P. Porte ..... 3265 Belmont, Fresno, Cal.  
6AVW R. Gareta ..... 1003 N. Coronado St., Los Ang., Cal.  
6AVX G. G. Monck ..... 2330—3rd St., San Diego, Cal.  
6AVY L. P. Simpson ..... 1040 W. 51st Pl., Los Angeles, Cal.  
6AVZ W. G. Edwards ..... 2221 Hunt St., Monterey Park, Cal.  
6AW F. B. Stillson ..... 451 Ruthven Ave., Palo Alto, Cal.  
6AWA P. H. Adams ..... 756 E. Ave., Coronado, Cal.  
6AWB J. H. Smith ..... 320 Nielford St., Glendale, Cal.  
6AWC G. C. Callender ..... 159 Jesse St., Manteca, Cal.  
6AWD E. Owens ..... 2302 Garfield St., Monterey Pk., Cal.  
6AWE H. C. Rider ..... 933 N. Harvard Blvd., Los Ang., Cal.  
6AWF A. Chamberlain ..... 106 W. Third St., Los Angeles, Cal.  
6AWG R. Squibb ..... 36 Granada St., San Francisco, Cal.  
6AWH E. G. Seely ..... 540 S. 9th East St., Salt Lake City, Utah  
6AWI U. S. Beadley ..... 1917 Raymond Ave., Los Angeles, Cal.  
6AWJ S. W. Lohman ..... 4408 Santa Monica Rd., Los Ang., Cal.  
6AWK B. Prudential ..... 527 Euclid Ave., Ontario, Cal.  
6AWL W. Weltman ..... 2124—6th Ave., Los Angeles, Cal.  
6AWM F. W. Wood ..... 1418 Malvern Ave., Los Angeles, Cal.  
6AWN A. E. Moorhead, Jr. .... 284 Perkins St., Oakland, Cal.  
6AWO W. Phillips ..... 905 York St., Vallejo, Cal.  
6AWP E. W. Thatcher ..... 407 W. First St., Santa Ana, Cal.  
6AWQ San Diego High School ..... San Diego, Cal.  
6AWR D. G. Hewitt ..... Box 596, Stanford University, Cal.  
6AWS H. D. Schmidt ..... 383 Ocean Ave., Santa Cruz, Cal.  
6AWT B. Molinari ..... 653 Union St., San Francisco, Cal.  
6AWU W. Stonerook ..... 3702 Utah St., San Diego, Cal.  
6AWV C. H. Weatherhill ..... 1509 G St., Reddy, Cal.  
6AWW L. Jones ..... Manteca, Cal.  
6AWX E. Sedlacek, Jr. .... 267 W. Badello St., Corvina, Cal.  
6AWY L. P. Bennett ..... 428 B. St., Hayward, Cal.  
6AWZ G. M. Gray ..... 432 Linden Ave., Long Beach, Cal.

6AX J. L. Brown ..... 293 Perkins St., Oakland, Cal.  
6AY E. S. Watkins ..... Alhambra, Cal.  
6AZ H. H. Hightone ..... 1436—12th Ave., San Francisco, Cal.  
6BA H. L. Newman West. Rad., Inc. .... Oakland, Cal.  
6BAA G. W. Warner, Jr. .... 5526 Telegraph Ave., Oakland, Cal.  
6BAB R. Lewis ..... 31 Monte Ave., Piedmont, Cal.  
6BAC E. Miller ..... 1645 American Ave., Long Beach, Cal.  
6BAD G. R. Martin ..... 423 N. Curtis St., Alhambra, Cal.  
6BAE G. S. Morris ..... 5132 Lincoln Ave., Los Angeles, Cal.  
6BAF G. L. Postell ..... 375 Mollino Ave., Long Beach, Cal.  
6BAG E. L. Ramer ..... 2220—86th Ave., Oakland, Cal.  
6BAH F. W. Pierce ..... 1916 Villa Ave., Pasadena, Cal.  
6BAI G. H. Dennis ..... Box 596, Stanford University, Cal.  
6BAJ H. M. Hines ..... 1045 N. Stevenson Ave., Pasadena, Cal.  
6BAK R. Bunch ..... 610 Pacific Ave., Santa Cruz, Cal.  
6BAL T. Howell ..... 1777 Crystal Ar., Salt Lake City, Utah  
6BAM F. L. Walker, Jr. .... Westwood, Cal.  
6BAN L. Vesper ..... 2035 Alameda Ave., Alameda, Cal.  
6BAO James Kennedy, Jr. .... 266 Carl St., San Francisco, Cal.  
6BAP W. F. Frederick, Jr. .... 670 Walmorh St., Oakland, Cal.  
6BAQ C. W. Smith ..... 142 Shrader St., San Francisco, Cal.  
6BAR C. Anderson ..... 7332 Seneca Ave., Los Angeles, Cal.  
6BAS William L. Burnett ..... 2039 Deakin St., Berkeley, Cal.  
6BAT Salesian Club ..... S.S. P. & P. Ch. 66 Fibert, S. F. Cal.  
6BAU C. H. Rockwell ..... R. C. Box 205, Tulare, Cal.  
6BAV H. M. Hughes ..... 1631 Dale St., San Diego, Cal.  
6BAW Myron Albertson ..... 852 Westchester Pl., Los Angeles, Cal.  
6BAX F. R. Welch ..... Hanford, Cal.  
6BAY F. Grant ..... 234 Union St., Watsonville, Cal.  
6BAZ Mrs. Mary O. Houston ..... 3420 Union St., San Diego, Cal.  
6BB Univ. of California Radio Club ..... Berkeley, Cal.  
6BBB H. D. Graves ..... 1454 Broadway, Chico, Cal.  
6BBB P. Borden ..... Brea, Cal.  
6BBB C. L. Worthley ..... 1118A Berando St., Los Angeles, Cal.  
6BBB C. K. Burns ..... 1835 Bancroft St., San Diego, Cal.  
6BBB T. H. Howell ..... L. D. S. Univ., Salt Lake City, Utah  
6BBB J. R. Harding ..... Hartday Bay, Enterprise, Cal.  
6BBB E. A. Nielsen ..... 115 S. 21st Ave., Phoenix, Ariz.  
6BBB A. H. Schmith ..... Main St., Battle Mountain, Nev.  
6BBB A. F. Miller ..... 1328—18th St., Santa Monica, Cal.  
6BBB G. Gilleran, Jr. .... 222 W. San Carlos St., San Jose, Cal.  
6BBB R. A. Nijala ..... 479—34th Ave., San Francisco, Cal.  
6BBB M. A. Hawkins ..... 2850—19th Ave., San Francisco, Cal.  
6BBB K. Kikis ..... 1326 W. 16th St., Los Angeles, Cal.  
6BBB H. B. Chambers ..... 780 Rialto Ave., Pasadena, Cal.  
6BBB H. C. Hooton ..... R. F. D. No. 1, Los Gatos, Cal.  
6BBB F. Mack ..... 194 S. El Molino Ave., Pasadena, Cal.  
6BBB W. E. Carman ..... 165 Lincoln Way, Auburn, Cal.  
6BBB T. L. Uu de Graf ..... 1450 San Pasqual St., Pasadena, Cal.  
6BBB K. Walton ..... 418 Second Ave., San Bernardino, Cal.  
6BBB E. Knorr ..... 134 E. Center St., Corvina, Cal.  
6BBB F. Pollard ..... 200 W. Badillo St., Corvina, Cal.  
6BBB W. C. Millhouse ..... 420 S. Painter Ave., Whittier, Cal.  
6BBB C. Stewart ..... Fifth St., San Rafael, Cal.  
6BBB A. Penrose ..... 210 University Ave., Los Gatos, Cal.  
6BBB F. Anderson, Jr. .... 2433 Telegraph Ave., Berkeley, Cal.  
6BBB W. W. Maynes ..... 3635 S. 11th St., San Jose, Cal.  
6BBB G. Wilson ..... Wland, Cal.  
6BBB R. H. Sneek ..... 114 N. Isabel St., Glendale, Cal.  
6BBB S. M. Roverson ..... Box 130, Salida, Cal.  
6BBB G. H. Simpson ..... 174 N. 1st St., Provo, Utah  
6BBB V. M. Ashworth ..... 70 N. Greenwood St., Pasadena, Cal.  
6BBB John Fishbee ..... 1st Ave., Upland, Cal.  
6BBB Wm. A. Bryan ..... 176—15th Ave., San Francisco, Cal.  
6BBB Wm. Rosenthal ..... 2960 Linden Ave., Berkeley, Cal.  
6BBB E. Salina ..... St. Helena, Mont.  
6BBB A. J. Nachbaur ..... Vallejo, Cal.  
6BBB C. Ruffinus ..... 116—20th St., Monterey, Cal.  
6BBB G. R. Harris ..... Carolina St., Vallejo, Cal.  
6BBB H. Hutchinson ..... 121 W. Center St., Corvina, Cal.  
6BBB L. S. Green ..... Girdley, Cal.  
6BBB E. Atmore ..... R. F. D. Box 38, Santa Paula, Cal.  
6BBB E. R. Hop ..... Mt. Wilson Observatory, Mt. Wilson, Cal.  
6BBB C. Foreman ..... 1714 Alameda Ave., Alameda, Cal.  
6BBB J. Windley ..... Market St. Moneta, Cal.  
6BBB A. T. Lenoir ..... 1330 E. Pierre St., Phoenix, Ariz.  
6BBB H. Bidwell ..... San Marcos, Cal.  
6BBB F. J. Robinson ..... 2218 Santa Clara St., Alameda, Cal.  
6BBB W. T. Ramer ..... 231 Macnolla St., Modesto, Cal.  
6BBB O. S. Schlenker ..... 2915 Macnolla St., Oakland, Cal.  
6BBB D. Darr ..... 1315 Taminalis Rd., Berkeley, Cal.  
6BBB H. Hadley ..... 74 Henry St., San Francisco, Cal.  
6BBB Lloyd Muller ..... 4156—25th St., San Francisco, Cal.  
6BBB H. Frank ..... 1465 McAllister St., San Francisco, Cal.  
6BBB Osmond Stone ..... 1321 Bathna St., San Francisco, Cal.  
6BBB W. W. Schmidt ..... 605—19th Ave., San Francisco, Cal.  
6BBB S. Glasgow ..... Rollins, Cal.  
6BBB W. A. Fisher ..... 1603 San Bruno Ave., San Fran., Cal.  
6BBB E. Kendrickson ..... 2036—7th Ave., Oakland, Cal.  
6BBB W. F. Betts ..... 1533—19th St., Santa Monica, Cal.  
6BBB I. W. Eisenberger ..... 105 N. 4th St., Alhambra, Cal.  
6BBB D. Wright ..... Box 125, R. F. D., Glendon, Cal.  
6BBB A. Clanner ..... 141 E. Center St., Corvina, Cal.  
6BBB G. Gutte ..... 1034 Goshen Ave., Visalia, Cal.  
6BBB W. D. Cheney ..... 2723 Bonvenue Ave., Berkeley, Cal.  
6BBB J. R. Evans ..... Riverbank, Cal.  
6BBB G. S. Clark ..... P. O. Box 383, Bishop, Cal.  
6BBB M. C. Starkev ..... Taft, Cal.  
6BBB H. M. Williamson ..... 674—6th St., Hollister, Cal.  
6BBB T. L. Maves ..... Coalinga, Cal.  
6BBB W. H. Ratrd ..... Fallows, Cal.  
6BBB I. J. Wren ..... 911—13th St., Modesto, Cal.  
6BBB W. Salmon ..... 1941 Fimbal Lane, Honolulu, T. H.  
6BBB Pacific Radio School ..... 75 New Montevary St., S. F. Cal.  
6BBB R. Ganser, Jr. .... 810 W. 48th St., Los Angeles, Cal.  
6BBB D. M. Halsey ..... 232 N. Grover St., Hollywood, Cal.  
6BBB J. Glanney ..... 367 E. 57th St., Los Angeles, Cal.  
6BBB H. Ramer ..... 4547 Cleveland Ave., San Diego, Cal.  
6BBB A. E. Barnes ..... 1901 Oxley St., San Francisco, Cal.  
6BBB C. F. Barry ..... 3036 Ontario St., San Francisco, Cal.  
6BBB W. L. Evans ..... 241 N. Hollenbeck St., Los Ang., Cal.  
6BBB R. A. Reed ..... 1800 Third St., San Diego, Cal.  
6BBB C. R. Noren ..... 6016 York Blvd., Los Angeles, Cal.  
6BBB C. H. Smith ..... 126 Anza St., San Francisco, Cal.  
6BBB C. J. Hansen ..... 2454 Para St., Los Angeles, Cal.  
6BBB H. D. Hicks ..... 2597 Jefferson St., San Diego, Cal.  
6BBB J. P. Weathers ..... 1291 Trenton St., Los Angeles, Cal.  
6BBB R. E. Weathers ..... 515 Sinclair St., Reno, Nev.  
6BBB C. D. Thomas ..... 2801 La Salle Ave., Los Angeles, Cal.  
6BBB F. McCallough ..... 1816 College Ave., Berkeley, Cal.  
6BBB H. R. Green ..... 2163 S. Vermont St., Los Angeles, Cal.  
6BBB Y. P. Rillidbury ..... 618 Russell St., Alhambra, Cal.  
6BBB K. Kazanich ..... R. F. D. No. 1 Box 4632, Gardena, Cal.  
6BBB F. Bradford ..... Lost Hills, Kern County, Cal.  
6BBB J. R. Winn ..... 417 Ocean Front St., Venice, Cal.  
6BBB R. Julian ..... 1260 E. 4th St., Long Beach, Cal.  
6BBB G. H. Ruffener ..... 410 W. Santa Barbara Av., L. A. Cal.  
6BBB T. Newman ..... 4130 Bachman Place, San Diego, Cal.  
6BBB W. A. Strasinger ..... 230 E. Tanta St., Watts, Cal.

6BET M. Albertson, Jr. 852 Westchester Av., Los Ang., Cal.  
6BEU G. M. Stockton. P. O. Box 155, Le Grand, Cal.  
6BEV J. Valle 2430—8th St., Berkeley, Cal.  
6BEW J. Wandermark, Jr. 2240—23d Ave., Oakland, Cal.  
6BEX R. T. Hittle 2637 Orange Ave., Oakland, Cal.  
6BEY Edw. Rea 1383 Fifth Ave., San Francisco, Cal.  
6BEZ W. Wagner 407 Hillside Court, Piedmont, Cal.  
6BF P. K. Chmrehill 323 N. 8th Ave., Santa Paula, Cal.  
6BFA T. G. Murphy 1926 Rosedale Ave., Oakland, Cal.  
6BFB Atlantic Pacific Radio Sup. Co. 6003 Ocean View Drive, Oakland, Cal.  
6BFC Atlantic Pacific Radio Sup. Co. 523 Oakland Ave., Oakland, Cal.  
6BFD G. J. Rynearson 627 W. 4th St., Long Beach, Cal.  
6BFE K. Lamnkin 114 Bonita St., Ontario, Cal.  
6BFF E. Michelson 132 Olive St., Piedmont, Cal.  
6BFG C. M. Piteb 753 N. Globe St., Pomona, Cal.  
6BFH W. W. Phillips 1102 California St., Glendale, Cal.  
6BFI H. B. Piersall Hemet, Cal.  
6BFJ G. Hfckman 1004 S. Euclid St., Ontario, Cal.  
6BFK A. Austin 2944 Avalon Ave., Berkeley, Cal.  
6BFL H. C. McCraeker 1434 Jackson St., Oakland, Cal.  
6BFM M. W. Bayer 156 Arlington St., San Francisco, Cal.  
6BFN Rhodes 42 Broderick St., San Francisco, Cal.  
6BFO Manual Arts High School 1113 W. Vernon Av., Los Ang., Cal.  
6BFP T. W. Bales 1228 W. 2d St., Los Angeles, Cal.  
6BFR C. O. Gould 1715 Fern St., San Diego, Cal.  
6BFS W. E. Granger 615 E. Main St., Stockton, Cal.  
6BFT E. McLean R. 3 Box 214, Lone Beach, Cal.  
6BFU J. H. Ralsey 4513 Oregon St., San Diego, Cal.  
6BFV G. E. Mfller 1965 Marin Ave., Berkeley, Cal.  
6BFW C. M. Bishop 1432 E. 32d St., Oakland, Cal.  
6BFX T. L. Dowling Rte Creek, Cal.  
6BFY J. R. Peterson 1520 E. 17th St., Oakland, Cal.  
6BFZ E. A. Frolstad 187 Crescent Ave., San Francisco, Cal.  
6BG R. W. Carroll 4466—45th St., San Diego, Cal.  
6BGA Dinuba Union High School Box 442, Dinuba, Cal.  
6BGB J. N. Taylor 4016 Foothill Blvd., Oakland, Cal.  
6BGC M. E. Kennedy 415 W. Lexington St., Glendale, Cal.  
6BGD A. Towle 2731 Webster St., Berkeley, Cal.  
6BGE R. R. Seaville Claremont Apts., 27 & Adams, Ogdun, U.  
6BGF B. Baker Box 72, Dinuba, Cal.  
6BGG E. A. Ames R.F.D. 1, Box 86A, Fullerton, Cal.  
6BGH K. Cable Highland, Cal.  
6BGI R. D. Kukland 918 Sonoma St., Vallejo, Cal.  
6BGJ E. Diwry 445 W. Lexington Dr., Glendale, Cal.  
6BGK F. Micklejohn Main St., Baldwin Park, Cal.  
6BGL C. C. Runds San Rafael, Cal.  
6BGM W. Sutliff 460 Baker St., San Francisco, Cal.  
6BGN A. R. Lusey 1268 Clayton St., San Francisco, Cal.  
6BGO W. G. Closson 947 Jones St., San Francisco, Cal.  
6BGP A. E. Nitchelson 132 Olive St., Piedmont, Cal.  
6BQQ L. R. Gtred 236 Broad St., San Francisco, Cal.  
6BQR G. Malone 128 Palm Ave., San Rafael, Cal.  
6BRS R. L. Haskell 2141—24th Ave., Oakland, Cal.  
6BRT G. F. Rosemont 21 Rosemont Place, San Francisco, Cal.  
6BRU J. J. Blancket 4106 Brookdale Ave., Oakland, Cal.  
6BRV H. Renloff 1295 E. Villa St., Pasadena, Cal.  
6BRW E. Rfro 1536—37th Ave., Alameda, Cal.  
6BRX P. H. Cawthron 908 Clinton St., Oakland, Cal.  
6BRY L. Crary 1519 Ave Wav, Burlingame, Cal.  
6BRZ E. T. DeLisle 153 Roberts Ave., San Rafael, Cal.  
6RH Unassigned  
6RHA W. M. Hatch, Jr. 1331 Foothill Blvd., Pasadena, Cal.  
6RHB K. A. Goode 1122 Division St., Pasadena, Cal.  
6RHC E. Gilroy Box 473, Bay Point, Cal.  
6RHD Miss U. E. Le Ferre 24 Penna. Ave., Los Angeles, Cal.  
6RHE V. H. Kelsner 417—43d St., Oakland, Cal.  
6RHF H. Johnson Box 534, Coalinga, Cal.  
6RHG C. Kerr 39 W. 2d St., Provo, Utah  
6RHH E. F. Tunnerman General Delivery, Garden Grove, Cal.  
6RHI H. Zahl P. O. 183, Porterville, Cal.  
6RHJ F. Tremaine, Jr. Box 24, Ceres, Cal.  
6RHK H. W. Waggoner Fair Oaks, Cal.  
6RHL C. C. Vieira Box 156, Atwater, Cal.  
6RHM O. D. Seely Mt. Pleasant, Cal.  
6RHN B. A. Ontiveros 215 E. Main St., Santa Maria, Cal.  
6RHO J. Klinehofer R. F. D. No. 3, Atwater, Cal.  
6RHP P. R. Cunningham Colfax, Cal.  
6RHQ M. Ellison 2108—25d Ave., Oakland, Cal.  
6RHR Sunset Radio Eng. Co. 15721 Normandy Ave., Gardina, Cal.  
6RHS R. Brown 1710—4th St., Los Angeles, Cal.  
6RHT F. Hageman 175 San Carlos Ave., Sausalito, Cal.  
6RHU Van A. Trout Yosemite, Cal.  
6RHV W. T. Morton 3927 Anido Ave., Oakland, Cal.  
6RHW R. M. Schino 1350 Kaweah St., Hanford, Cal.  
6RHX H. L. Prindle E. 16th St. & 23d Ave., Oakland, Cal.  
6RHY Garfield Jr. High School 2329 Carlton St., Berkeley, Cal.  
6BHZ E. R. Melsner 424 & Broadway, Oakland, Cal.  
6BI A. W. Pancesca Route 3, Box 74E, Sebastopol, Cal.  
6BIA M. Z. Johnson 230 Hudson Ave., Pasadena, Cal.  
6BIB K. E. Taylor Lawlers Rd., Callista, Cal.  
6BIC W. S. Martin Box 106, Le Grands, Merced Co., Cal.  
6BID G. W. Fairbanks 265 So. 2d St., Provo, Utah.  
6BIE C. J. Carr 529 Mission St., San Rafael, Cal.  
6BIF E. L. Menlove 238—20th St., Merced, Cal.  
6BIG C. E. Walsh 157 S. Gramercy Pl., Los Angeles, Cal.  
6BIH M. J. Fickas 433 Hagar St., San Fernando, Cal.  
6BIJ F. Bayer Fullerton, Cal.  
6BIK Northern Orange Co. Radio Assn. Taft, Cal.  
6BIL E. J. Raughman 120 Jefferson St., Watsonville, Cal.  
6BIM R. A. Fry Lincoln Ave., Callistoga, Cal.  
6BIN E. L. Nance 1109 Colledge Ave., Oakland, Cal.  
6BIO C. H. Hubbard 231 W. Sheppard St., Winnemucca, Nev.  
6BIP G. A. Becker, Jr. Livermore, Cal.  
6BIQ C. H. McCoy 206 S. Prom St., Napa, Cal.  
6BIR J. E. Brandlin 1528 Ramona Ave., So. Pasadena, Cal.  
6BIS K. Kerr Bard, Cal.  
6BIT E. H. Mayo 332—11th St., San Jose, Cal.  
6BIU L. R. Mock Chestnut St., Redwood City, Cal.  
6BIV A. E. West Main St., Los Gatos, Cal.  
6BIW E. A. Gibson 481—43d St., San Diego, Cal.  
6BIX A. W. Prather 4118 Adams Ave., San Diego, Cal.  
6BIY E. J. Rush Del Mar, Cal.  
6BIZ M. B. Flood  
6RIA A. Garcia 1062 N. Kingsley Dr., Los Ang., Cal.  
6RIA H. O. Sutton 1147 Westmoreland Ave., Los Ang., Cal.  
6BIB R. L. Littligow 2325 Lime Ave., Long Beach, Cal.  
6BIC L. Levi 540 St. Andrews Pl., Los Ang., Cal.  
6BID A. G. Moore 2114 La Loma Dr., Hermosa Bch, Cal.  
6BIE M. Clapp 300 Elorado Drive, Pasadena, Cal.  
6BIF C. D. Meyerbauer 315 S. Orange Grove St., Pasadena, Cal.  
6BIG N. Care 1347 Myrtle Ave., Lone Beach, Cal.  
6BIH J. Buel 80 Sierra Bonita St., Pasadena, Cal.  
6BIJ L. Fromm 379 Marenoy St., Los Angeles, Cal.  
6BIK A. F. Ewald, J. 2820 Manhart Ave., Los Angeles, Cal.  
6BJK H. Wood 1819 E. Burlingame Av., Los Ang., Cal.  
6BJL G. A. Chester 4289 Euclid Ave., San Diego, Cal.

6BJM A. Kempert 6140 Mesa Ave., Los Angeles, Cal.  
6BJN G. M. Ludwig 35 W. Ortega St., Santa Barbara, Cal.  
6BJO E. L. Harris 1323 S. Hill St., Los Angeles, Cal.  
6BJP C. G. Eckart Hitchcock Neff Acad., San Rafael, Cal.  
6BJQ L. C. Haynes 3216 N. Macley St., Los Angeles, Cal.  
6BJR E. J. Hovos 4277 Amunda St., Los Angeles, Cal.  
6BJS G. Z. Johnson 377 Amunda St., Los Angeles, Cal.  
6BJT H. Cuningham, Jr. 1115 Fairview Ave., So. Pasadena, Cal.  
6BJU R. Doher 2146 Lora Ave., San Diego, Cal.  
6BJV G. C. T. Remington P.O. Box 395, Coronado, Cal.  
6BJW R. Kettenerhofen 1218 Trenton St., Los Angeles, Cal.  
6BJX E. Sitar 133 Milton Ave., Hollywood, Cal.  
6BJY A. Simmons 205—21st St., San Diego, Cal.  
6BIZ G. Krotser 877 Sonoma Ave., Santa Rosa, Cal.  
6BK G. Wright 2533 Dana St., Berkeley, Cal.  
6BKA O. Wright 784 S. El Molino, Pasadena, Cal.  
6BKB C. A. Taylor 332 Hager St., San Fernando, Cal.  
6BKC A. Strong 2460 A St., San Diego, Cal.  
6BKD S. Simart 15th & Olive Sts., Paso Robles, Cal.  
6BKE E. Seegwiler Redfields, Utah  
6BKF R. Crippen 1136 E. A. St., Ontario, Cal.  
6BKG W. H. Earle 3060 Calif. St., San Francisco, Cal.  
6BKH Dr. R. O. Shelton 3443 Fifth St., San Diego, Cal.  
6BKI J. H. Brown 725 E. Hill St., Los Angeles, Cal.  
6BKJ L. Adams 217 S. Daly St., Los Angeles, Cal.  
6BKK J. Barth 1040—20th St., San Diego, Cal.  
6BKL R. Bell 2138 Stockton Dr., San Diego, Cal.  
6BKM R. H. Tuber 659 Del Mar Ave., Chuelva Vista, Cal.  
6BKN R. Limert 1003 L St., Bakersfield, Cal.  
6BKO W. Kirpatrick 2294 W. 8th St., Los Angeles, Cal.  
6BKP S. T. Arnold Anierias Ave., San Jose, Cal.  
6BKQ P. K. Churchhill 1031 W. 31st St., Los Angeles, Cal.  
6BKR L. Wilson 1457—81st Ave. O., Oakland, Cal.  
6BKS W. L. Logan 474 W. Hollister Ave., Los Ang., Cal.  
6BKT A. Tawler, Jr. 4226 Hobart St., Los Angeles, Cal.  
6BKU W. Finlay 1633 E. 4th St., Santa Ana, Cal.  
6BKV J. Jaquer, Jr. R.F.D. No. 1, Box 108-B, Napa, Cal.  
6BKW M. Chambers 921 Powell St., Hollister, Cal.  
6BKX E. L. Gray San Jacinto, Cal.  
6BKY G. V. Hallock 224 W. Florida St., Hemet, Cal.  
6BKZ N. Otis 222 Chnd St., Novak, Cal.  
6BL L. A. Smith 338 Fell St., San Francisco, Cal.  
6BLA E. Liefort 1402—20th St., Bakersfield, Cal.  
6BLB C. Green Route D, Box 317, Modesto, Cal.  
6BLC E. Hardenson La Canada, Cal.  
6BLD C. Tursoy 135 Sudden St., Watsonville, Cal.  
6BLE P. Oiler 419 Clinton Ave., Roseville, Cal.  
6BLF W. Galonska 126 Spruce St., Redwood City, Cal.  
6BLG C. Scullin 702 Rushnell Ave., Alhambra, Cal.  
6BLH E. E. Loyoy 320 S. 4th East St., Salt Lake City, U.  
6BLI P. W. Plume Quincy, Cal.  
6BLJ P. Davidson 665 S. 6th St., Salt Lake City, Utah  
6BLK C. W. Dickson 908 D St., San Bernardino, Cal.  
6BLM J. Caniff 803 E. Medfieldorence, Santa Barbara, Cal.  
6BLN J. Narcarato Sebastopol, Cal.  
6BLO J. E. Stone P. O. Box 1123, Morenci, Ariz.  
6BLP A. Cadwell P. O. Box 364, Capitola, Cal.  
6BLQ L. Armsbee 9th & Calif., Beaumont, Cal.  
6BLR F. Wilson 15813 Normandie Ave., Gardena, Cal.  
6BLS R. Ransay 525 Meda Ave., Glendora, Cal.  
6BLT G. P. Bell 19 Michtan Blvd. E., Pasadena, Cal.  
6BLU R. Johnson 5th St., San Rafael, Cal.  
6BLV R. E. Sawyer 463 W. Myrtle St., Glendale, Cal.  
6BLW C. Blood 2036 La France Ave., S. Pasadena, Cal.  
6BLX M. F. Kuyomura P. O. Box 73, Rio Vista, Cal.  
6BLY J. J. Farrell, Jr. R.F.D. No. 2, Box 252, Torrance, Cal.  
6BLZ O. Wood 373 Fair Oaks St., San Francisco, Cal.  
6RM N. R. Morgan 717 Aequula St., Visalia, Cal.  
6RMA H. T. Kirk Palo Alto, Cal.  
6RMB E. S. McDonald 402 1st Nat. Bk. Bldg., Bakersfield, Cal.  
6RMC E. T. Trean Sonoma, Cal.  
6RMD K. K. Kidd 1308 Wilkshire Rd., Santa Monica, Cal.  
6RME C. H. Hoff 311 Second St., Taft, Cal.  
6RMF W. G. Smith 16 Vernon St., San Francisco, Cal.  
6RMG T. Phillips Elec. Shop 918 E. 6th St., Tucson, Ariz.  
6RMH J. E. Courtsley 1920 E. Front St., Salma, Cal.  
6RMI U. Smith 232 E. Spenser St., Modesto, Cal.  
6RMJ H. Searing Rjo Vista, Cal.  
6RMK L. F. Proft 300 N. Alto St., Los Angeles, Cal.  
6RML C. E. Gillen, Jr. Williamson, Ariz.  
6RMM (Unassigned) Sisson, Cal.  
6RMN (Unassigned)  
6RMO W. Ward Cobleigh 942 S. Kingsley Drive, Los Angeles, Cal.  
6RMP (Unassigned)  
6RMQ (Unassigned)  
6RMR V. R. Barnes Williams, Cal.  
6RMS G. W. Burhardt Montecello, Cal.  
6RMT S. G. Abell 16 Magnolia St., San Jose, Cal.  
6RMU C. A. Plindle 406 W. Oak St., Lodi, Cal.  
6RMV L. Baridou 332 Grant St., Mayfield, Cal.  
6RMW R. H. Deaver R. F. D. No. 2, Puente, Cal.  
6RMX Charles E. Niles, Jr. 601—6th St., Petaluma, Cal.  
6RMY R. S. Tilton 1700 T St., Sacramento, Cal.  
6RMZ Chas. E. Niles, Jr. Petaluma, Cal.  
6RN N. H. Hollway 1175 Washington St., San Fran., Cal.  
6RNA H. E. Huttermann Rpton, Cal.  
6RNB L. Showalter Ripon, Cal.  
6RNC U. S. Palmer Willows, Cal.  
6RND R. F. Murry 620 S. 8th St., Santa Clara, Cal.  
6RNE H. M. Armstrong 2462 Potter St., Salt Lake City, Utah  
6RNF J. O. Coffin 1327 E. 6 South St., Salt Lake City, U.  
6RNG L. G. Rhon 189 Main St., Watsonville, Cal.  
6RNH L. A. Hh School 4900 Lowly Club Dr., Los Ang., Cal.  
6BNI Chas. D. Cushman, Jr. 37 N. 1st St., San Jose, Cal.  
6BNJ R. H. Olsen 566 N. First St., Provo, Utah  
6BNK R. H. McCollister San Rafael, Cal.  
6BNL L. G. Finry R. F. D. Box 93, Lemoore, Cal.  
6BNM O. Oerstrom 105 S. Pasadena Ave., Pasadena, Cal.  
6BNO R. B. Lohry 1921 Irwin Ave., Oakland, Cal.  
6BNP Paul E. Clark Mt. Tamalpais, M. A., San Rafael, Cal.  
6BNQ D. Maynew Box 215, Willows, Cal.  
6BNR M. Schilling Box 297, Beaumont, Cal.  
6BNS P. Schuz R.F.D. No. 6, Box 254, Stockton, Cal.  
6BNT L. Stauffer Mendon, Utah  
6BNU W. C. Meddock 225 Willard St., San Francisco, Cal.  
6BNV D. H. Atkins 25 Glen Alpine Rd., Piedmont, Cal.  
6BNW (Unassigned)  
6BNX S. D. Baker Hilo, T. H.  
6BNY P. E. Ripdel 2542 Beachwood Dr., Hollywood, Cal.  
6BNZ G. V. Hallock 224 W. Florida St., Hemet, Cal.  
6BO Ed. Walsh 4585 Bexington Ave., Los Angeles, Cal.  
6BOA H. M. Preston Richmond, Cal.  
6BOB R. L. Erikson University Campus, Tucson, Ariz.  
6BOC E. B. Finseth Placencia, Cal.  
6BOE C. A. Steele 6th St., San Rafael, Cal.  
6BOD T. H. Woolhel 726 N. El Molino Av., Pasadena, Cal.

6BOE K. R. Unger.....119 Edith Ave., Salt Lake City, Utah  
6BOF T. T. Strickland.....Quincy, Cal.  
6BOG C. Crandall, Jr.....Sommet Hotel, Honolulu, T. H.  
6BOH A. W. Martin, Jr.....894 Water St., San Francisco, Cal.  
6BOI D. C. Kirk.....402 1st Nat. Bk. Bldg., Bakersfield, Cal.  
6BOJ Whittier College.....Whittier, Cal.  
6BOK W. Munter.....718 Clement St., San Francisco, Cal.  
6BOL Taft High School.....Taft, Cal.  
6BOM M. L. Armstrong.....17 1/2 First St., San Jose, Cal.  
6BON A. Humburg.....195 Santa Teresa St., Santa Clara, Cal.  
6BOO K. O. Forsblad.....K. F. D., Corner B. Kingsbury, Cal.  
6BOP D. J. Baldwin.....103 Waller St., San Francisco, Cal.  
Unassigned  
6BOS W. Bonnell.....2191 Pine St., San Francisco, Cal.  
6BOS D. Nebeker.....1158 Oakland Ave., Piedmont, Cal.  
6BOT C. M. Vonder Heider.....1037 Killmore St., San Francisco, Cal.  
6BOU G. Arton.....116-23rd Ave., Oakland, Cal.  
Unassigned  
6BOV Edw. Flynn.....3346 Liberty St., Fresno, Cal.  
6BOW F. L. Whittiesy.....539-12th St., Richmond, Cal.  
6BOY Boy Scouts of America, P. R. Standard Ave., Richmond, Cal.  
6BOZ W. Drinock.....452-10th St., Richmond, Cal.  
6BP W. Miss Kathleen Parkin.....22 Terra Dilio, San Rafael, Cal.  
6BPA J. F. Wilcox.....1254-10th St., Santa Monica, Cal.  
6BPE B. N. Willis.....Mountain & Grand View, Burbank, Cal.  
6BPF L. C. Brand.....R. F. D., Box 485, Richmond, Cal.  
6BPG J. Rodriguez.....Pleasanton, Cal.  
6BPH C. H. Tringham.....2503 E. 16th St., Oakland, Cal.  
6BPI W. Deip.....6391 Dana St., Berkeley, Cal.  
6BPJ J. P. Cunningham.....Graton, Cal.  
6BPB C. S. Flesher.....710 N. Central Ave., Phoenix, Ariz.  
6BPB R. Goldwater.....Care Pine Knot P.O., E. B. Lake, Cal.  
6BPJ B. G. Burke.....Box 602, Prescott, Ariz.  
6BPK H. Green.....212 Fulton Ave., Palo Alto, Cal.  
6BPL R. Kinkead.....Box 403, Pina, Ariz.  
6BPM P. Merrill.....1721 Appleton St., Long Beach, Cal.  
6BPN A. Stafford.....Flanagan, Nev.  
6BPO F. W. Adams.....780 Guerrero St., San Francisco, Cal.  
6BPP H. E. Thomas.....Unassigned  
6BPQ E. Lively.....Lihue, Kauai, T. H.  
6BPR H. L. Hackley.....714-30th St., Sacramento, Cal.  
6BPS U. McLaughlin.....2024-16th St., Sacramento, Cal.  
6BPT E. K. Fogus.....214 Judah St., Roseville, Cal.  
6BPU C. F. Willis.....320 Fair Oaks St., San Francisco, Cal.  
6BPV C. W. Mason.....4223 Latona Ave., Los Angeles, Cal.  
6BPW H. Luldgren.....1160 Spruce St., Los Angeles, Cal.  
6BPX J. J. Signale.....1021 Cole St., San Francisco, Cal.  
6BPY S. H. Lurtwiler.....414 Crunshaw Blvd., Los Angeles, Cal.  
6BPZ T. T. Ryan.....Richmond, Cal.  
6BQA B. Sano.....855 S. Birch St., Los Angeles, Cal.  
6BQB G. A. Wandler.....1916-18th St., Sacramento, Cal.  
6BQC G. W. Schlah.....1629 Vineyard Ave., Los Angeles, Cal.  
6BQD R. Sherman.....4517 W. 17 Drive, Los Angeles, Cal.  
6BQE J. Warah.....301 N. Cedar St., Glendale, Cal.  
6BQF E. S. Walsh.....1998 Woolman Ave., San Diego, Cal.  
6BQG M. Petter.....1878-23rd St., Los Angeles, Cal.  
6BQH E. Champron.....2507 E. 1st St., Los Angeles, Cal.  
6BQI M. H. Anderson.....1840-63rd St., Berkeley, Cal.  
6BQJ N. S. Fairweather.....182 Grattan St., San Francisco, Cal.  
Unassigned  
6BQK A. M. Snell.....575-21st Ave., San Francisco, Cal.  
6BQL B. E. Hill.....108-7th St., Petaluma, Cal.  
6BQM D. Lousdale.....420 N. Harrison St., Stockton, Cal.  
6BQN D. S. Harsley.....1202 Fairfax Ave., W. Hollywood, Cal.  
6BQO P. Caspar.....1928 Crunshaw Blvd., Los Angeles, Cal.  
6BQP G. G. Budwig.....890 Central Ave., Glendale, Cal.  
6BQR J. Moss.....953 W. 7th St., Los Angeles, Cal.  
6BQS C. F. Turrill.....1738 Appleton St., Long Beach, Cal.  
6BQT H. Hall.....1408 E. Ocean Ave., Long Beach, Cal.  
6BQU B. F. Elliott.....320 N. Lake Ave., Pasadena, Cal.  
6BQV G. Kaller.....411 E. 25th St., Los Angeles, Cal.  
6BQW S. Mosen.....167 Colorado St., Pasadena, Cal.  
6BQX W. Young.....2246 Pentucket St., San Diego, Cal.  
6BQY S. Thompson.....3101 Grand Ave., Los Angeles, Cal.  
6BQZ K. B. Stoddard.....1912 W. 23rd St., Los Angeles, Cal.  
6BR A. E. Bessey.....Sunnyvale, Cal.  
6BRA L. Shapiro.....3711 Barbee St., Los Angeles, Cal.  
6BRB I. A. Moon.....3607 Mission Rd., Los Angeles, Cal.  
6BRB G. F. Stewart.....1261 Victoria Ave., Los Angeles, Cal.  
6BRD C. J. Smith.....1525 W. 23rd St., Los Angeles, Cal.  
6BRE H. Kaufman.....Mt. Tamalpais, M. A. San Rafael, Cal.  
6BRF N. R. Winner.....2143 Branden St., Los Angeles, Cal.  
6BRG H. M. Fink.....1708 W. 23rd St., Los Angeles, Cal.  
6BRI W. G. Baffinger.....1444 Norton Ave., Los Angeles, Cal.  
6BRJ W. Seltz.....620 N. Zeyor St., Anaheim, Cal.  
6BRJ A. P. King.....805 Athens St., Pasadena, Cal.  
6BRK G. Whetstone.....262-A Euclid Ave., Long Beach, Cal.  
6BRL T. Erdmann.....3886 Georgia St., San Diego, Cal.  
6BRM I. C. Dietze.....136 Griffin Ave., Los Angeles, Cal.  
6BRN C. J. Wolf.....4832-40th St., San Diego, Cal.  
6BRO C. A. Hell.....936 Federa, Los Angeles, Cal.  
6BRP W. C. Poole Mills.....P. O. Mather Field, Cal.  
6BRQ C. C. Cocks.....Compton, Cal.  
6BRR C. R. MacCulloch.....1122 Baueroff Pl., San Diego, Cal.  
6BRS Venice High School.....Venice, Cal.  
6BRT A. G. Goldschmidt.....4740-38th St., San Diego, Cal.  
6BRU A. E. Wood.....Rt. 5, Box 163-B, Watsonville, Cal.  
6BRV Y. H. Everton.....1721 Grove St., Berkeley, Cal.  
6BRW W. W. Hicks.....506 Liberty St., San Francisco, Cal.  
6BRX F. B. Rhodes.....Thacher School, Ojai, Cal.  
6BRY R. Gillespie.....1112 Charlevoix St., Los Angeles, Cal.  
6BRZ Alex Gempfert.....6140 Mesalife, Los Angeles, Cal.  
6BS F. K. Johnson.....Rosamond, Cal.  
6BSA W. M. Forster.....2915 Otis St., Berkeley, Cal.  
6BSB G. Furtruy.....453 Center Ave., Pomona, Cal.  
6BSC D. Hutton.....807 Cahuenga St., Los Angeles, Cal.  
6BSD A. C. Packard.....140 W. 12th St., Claremont, Cal.  
6BSE H. L. Drake.....671 W. Myrtle St., Los Angeles, Cal.  
6BSF E. Norton.....330 W. Redondo Ave., Inglewood, Cal.  
6BSG C. Dillman.....133 Lime St., Inglewood, Cal.  
6BSH G. E. Breakenridge.....2065 Sarah St., Fresno, Cal.  
6BSI C. H. Cole.....752 E. 4th St., Pomona, Cal.  
6BSJ D. Bardin.....414 Church St., Salinas, Cal.  
6BSK D. Bardin (Portable).....Salinas, Cal.  
6BSL G. E. Martin.....4410 Mettler St., Los Angeles, Cal.  
6BSM C. C. Sanson.....7513 Whitsett Ave., Los Angeles, Cal.  
6BSN H. R. Green.....1814 S. Vermont Av., Los Angeles, Cal.  
6BSO Clayton Bane and Mill Muller.....619 Castro St., San Francisco, Cal.  
6BSP G. Brown, Jr.....209 E. 4th St., Salt Lake Cy., U.  
6BSQ I. Pinkerton.....225 Sonora St., Nogale, Ariz.  
6BSR W. L. Krance.....1025 Coronado Terrace, Los Angeles, Cal.  
6BSA Amateur Radio Shop.....15 Napa Rd., Vallejo, Cal.  
6BST Pasadena Council, B. S. A.....Stanton Bldg., Pasadena, Cal.  
6BSU K. Zult.....Rt. 2, Box 520, San Gabriel, Cal.  
6BSV F. G. Somers.....675 S. 6th St., San Jose, Cal.  
6BSW Unassigned

6BSX J. M. Dotson.....868 Miller Av. S., San Francisco, Cal.  
6BSY A. K. Branson.....3323 1/2 Grove St., Oakland, Cal.  
6BSZ W. T. Smith.....Adams St., San Lorenzo, Cal.  
6BT F. H. Diemal.....1261-21st, San Francisco, Cal.  
6BTA E. G. Trout.....1239 Royal Court, Los Angeles, Cal.  
6BTE I. W. Sawyer.....115 Brown St., Napa, Cal.  
6BTC L. G. Morris.....1023 Gerfield St., So. Pasadena, Cal.  
6BTD L. G. Kent.....4956 Fairfax Ave., Oakland, Cal.  
6BTE T. L. Mayes.....Box 622, Coalinga, Cal.  
6BTF H. B. Beals.....5423 Virginia Ave., Los Angeles, Cal.  
6BTG W. H. Haines.....212 W. Lomita Av., Los Ang., Cal.  
6BTH K. Zacksvert.....Box 541, Rt. 2, Santa Cruz, Cal.  
6BTI J. D. McCarthy.....1418 Adeline St., Berkeley, Cal.  
6BTJ W. H. McAuley.....Martin St., Monterey, Cal.  
6BTK P. Casper.....1928 Crenshaw Blvd., Los Angeles, Cal.  
6BTL C. S. Pratt.....1347 La Brea St., Hollywood, Cal.  
6BTM J. E. Wright.....514 Locust St., Visalia, Cal.  
6BTN R. Wooden.....Exeter, Cal.  
6BTO V. F. West.....213 Cedar St., Glendale, Cal.  
6BTP R. Stewart.....Heat St., Santa Cruz, Cal.  
6BTQ A. Wheeler.....Box 7, Orange Ave., Patterson, Cal.  
6BTR C. Stevenson.....Clement, Cal.  
6BTS H. D. Squires.....142 W. Amerige St., Fullerton, Cal.  
Unassigned  
6BTU J. W. Smith.....157-61st So. St., Murray City, Utah  
6BTV Arroyo Sanatorium.....Livermore, Cal.  
6BTW M. L. Short.....216 E. 7th St., Hanford, Cal.  
6BTX J. E. Regallo.....E. Alum Rock Ave., San Jose, Cal.  
6BTY R. D. Nagle.....Van Nuys High Sch., Van Nuys, Cal.  
6BTZ D. Lucas.....Sidis Landing Rock, Willows, Cal.  
6BU P. Thygeson.....222 Kingsley St., Palo Alto, Cal.  
6BUA J. R. T. Knight.....R. R. T., Box 25, Willows, Cal.  
6BUB P. E. Juvinall.....521 Highland St., Monrovia, Cal.  
6BUC E. L. Holden.....R. 4, Box 200, Turlock, Cal.  
6BUD H. M. Huckle.....413 Court St., Woodland, Cal.  
6BUE C. R. Gehr.....929 Winona St., Pasadena, Cal.  
6BUF W. W. Case.....Forestville, Cal.  
6BUG W. Campbell.....261 River St., Santa Cruz, Cal.  
6BUH F. Bowman.....438 D. St., Salt Lake City, Utah  
6BUI R. Hiddulph.....711 N. 1 West, Provo, Utah  
6BUJ O. E. Adams.....R. 2, Box 219, Pomona Av., Chico, Cal.  
6BUK G. G. Ma Conomy.....122 S. Cedar St., Glendale, Cal.  
6BUL H. C. Richards.....1625 Cimarron, Los Angeles, Cal.  
6BUM A. L. Wessels.....1100 Standley St., Ukiah, Cal.  
6BUN C. E. Stuart.....4066 Leeward Ave., Los Angeles, Cal.  
6BUO J. H. Humbrock.....1344 Mariposa Av., Los Angeles, Cal.  
6BUP H. E. Lewis.....1609 Everett St., Alameda, Cal.  
6BUQ L. B. Platt.....2863 Pasadena Ave., Los Angeles, Cal.  
6BUR L. E. Smith.....340 N. Painter Ave., Whittier, Cal.  
6BUS W. Eilers.....12717 Prairie Ave., Hawthorne, Cal.  
6BUT L. D. Andelin.....Richfield, Utah  
6BUU W. A. Okeson.....Presidio St., Monterey, Cal.  
6BUV A. Sellner.....709 Hermosa St., So. Pasadena, Cal.  
6BUW E. Dek Leflingwell.....Box 176, Rt. 3, Pasadena, Cal.  
6BUX A. E. Harris.....156 E. S'ta Barbara Av. Los Ang., Cal.  
6BUY J. D. Holmes.....2732 Prince St., Berkeley, Cal.  
6BUZ Robt. Richardson.....2750 Prince St., Berkeley, Cal.  
6BV C. H. Keeler.....5501 S. Park, Los Angeles, Cal.  
6BVA W. O. Pechstein.....San Marcos, Cal.  
6BVB G. E. Young.....2246 Pentucket St., San Diego, Cal.  
6BVC San Francisco Radio Club.....173 Dolores St., San Francisco, Cal.  
6BVD Paul Carpenter.....1902 Orange Av., Long Beach, Cal.  
6BVE L. L. Watson.....516 Baker St., Beel, Cal.  
6BVF Leonard Obert.....1445 Mohawk St., Los Angeles, Cal.  
6BVG S. F. Wainwright.....Delta St., Los Angeles, Cal.  
6BVH C. E. Huff.....Orange, Cal.  
6BVI C. E. Fernald.....1155-21st St., San Diego, Cal.  
6BVJ F. Ahlin.....5575 Marshall St., Oakland, Cal.  
6BVK J. G. Duncan.....1601 Ohio Ave., Long Beach, Cal.  
6BVL H. G. Latta.....2158 Woolman Ave., San Diego, Cal.  
6BVM Whitney Lewis.....1820 W. 43rd Pl., Los Angeles, Cal.  
6BVN V. F. West.....213 N. Cedar St., Glendale, Cal.  
6BVO L. Farwell.....Broadway St., Los Gatos, Cal.  
6BVP E. Callahan.....2550 Pleasant St., Oakland, Cal.  
6BVQ L. Dillon.....317 S. Norton Ave., Los Ang., Cal.  
6BVR E. F. Schmidt.....312, Box 403, Hawthorne, Cal.  
6BVS A. McDowell.....919 W. 65th St., Los Angeles, Cal.  
6BVT A. E. Banks.....Tinken Bldg., San Diego, Cal.  
6BVU D. Clark.....Box 35, Oildales, Cal.  
6BVV M. Anderson.....3678 Washington St., Ogden, Utah  
6BVW W. Deming, Jr.....1404 Magnolia Ave., Los Ang., Cal.  
6BVX Fallon & Co.....23 Figueroa St., Santa Barbara, Cal.  
6BVY J. E. Squires.....320-49th St., San Francisco, Cal.  
6BVZ L. Bailey.....1037 W. 22nd St., Los Ang., Cal.  
6BW S. Hudd.....4377 Townsend Ave., Oakland, Cal.  
6BWA R. G. Letner.....1229 Tamarind Ave., Los Ang., Cal.  
6BWB G. K. Meeker.....1915 Leman St., South Pasadena, Cal.  
6BWC D. St. Pierre.....1100 W. 3rd St., Pomona, Cal.  
6BWD N. E. Travis.....1047 Serrano St., Los Angeles, Cal.  
6BWE E. S. Tuttle.....3081 W. Pico St., Los Angeles, Cal.  
6BWF N. Miller.....308 S. New Hampshire Av., Los Ang., Cal.  
6BWG D. N. Beers.....115 Minnesota St., Escondido, Cal.  
6BWH G. Wood.....1521 Jackson St., San Francisco, Cal.  
6BWI M. Gustafson.....205 Locust St., Inglewood, Cal.  
6BWJ C. J. Smith, Jr.....345 S. Wilton Pl., Los Angeles, Cal.  
6BWK J. A. Crenshaw.....4619 Hamilton St., San Diego, Cal.  
6BWL C. F. H. Lewis.....914-4th St., Santa Monica, Cal.  
6BWM G. L. Morris.....3885 Ogden Av., R. D. 4, Ogden, Utah  
6BWN E. D. Pike.....R. D. 3, Box 76, Santa Ana, Cal.  
6BWO P. S. Means.....22 E. Valerico St., Santa Barbara, Cal.  
6BWP E. H. Purves.....328 S. Garnsey St., Santa Ana, Cal.  
6BWPQ M. H. Link.....San Jose St., Puento, Cal.  
6BWR L. A. Spitzer.....449 N. 1st St., San Jose, Cal.  
6BWS C. E. Cunningham.....1725 Camden Ave., S. Pasadena, Cal.  
6BWU A. Triggs.....Dufraime Ave., Sebastopol, Cal.  
6BWW E. C. Robison.....1525-21st Ave., Oakland, Cal.  
6BWX W. H. Fearn.....Lakeport, Cal.  
6BWX R. Smith.....1429 Pennsylvania, San Diego, Cal.  
6BWy H. B. Evans, Jr.....2756 W. 9th St., Los Angeles, Cal.  
6BWZ L. E. Gardner, Jr.....324 E. 20th St., Santa Ana, Cal.  
6BX Evening Express.....Los Angeles, Cal.  
6BY L. I. Smelser.....2329 Carleton St., Berkeley, Cal.  
6BZ L. B. Hall.....Los Gatos, Cal.  
6CA S. Strong.....268 Jayne St., Oakland, Cal.  
6CAA W. J. Beran.....917 Beech St., San Diego, Cal.  
6CAB A. McGovern.....798 Grand Ave., San Fran., Cal.  
6CAC F. L. Pedro.....1815 E. 14th St., Oakland, Cal.  
6CAD L. R. Isaacs.....1200 Recent St., Alameda, Cal.  
6CAF L. F. Higgins.....11 Maria St., Anaheim, Cal.  
6CAG H. F. Levens.....929 Stanley Ave., Hollywood, Cal.  
6CAI E. D. Nagle.....1211 N. Main St., Los Angeles, Cal.  
6CAJ Eugene R. Adams.....Dana St., Mt. View, Cal.  
6CAK Arthur C. Anderson.....1537 W. McKinley St., Phoenix, Ariz.  
6CAL Robert Ball.....1204 Pine St., S. Pasadena, Cal.  
6CAL Uriah L. Barnes.....Maricopa, Cal.  
6CAM Glen D. Berville.....601 David Ave., Monterey, Cal.  
6CAN J. Wayne Clark.....Railroad Ave., Calistoga, Cal.  
6CAO Alon W. Folkenberg.....Par. Union, College St., St. Helena



6CAP Cecil Fry ..... 930 Main Ave., Long Beach, Cal.  
6CAQ Elwin Normart ..... 735 Yale Ave., Fresno, Cal.  
6CAR Oka Stewart ..... Rte. No. 7, Box 145, Phoenix, Ariz.  
6CAS W. A. Schonfeldt ..... 400 Clark St., Sherman, Cal.  
6CAT Walter Roberts ..... 27 Yosemite Ave., Oakland, Cal.  
6CAU Y. M. Faschner ..... 1179 Claremont Drive, Pasadena, Cal.  
6CAV M. C. Ringer ..... 833 Mead Ave., Oakland, Cal.  
6CAW D. L. Dolson ..... 6207 S. Park Ave., Los Angeles, Cal.  
6CAX Ernest Silva ..... 9503 E. 14th St., Oakland, Cal.  
6CAY Raymond King ..... 2536—21st Ave., Oakland, Cal.  
6CAZ W. M. McCracken ..... 4412 Louisiana, San Diego, Cal.  
6CB G. S. Perkins ..... 210 G St., San Rafael, Cal.  
6CBA Wilson P. Boyd ..... 1451 Kevalo St., Honolulu, T. H.  
6CBB T. J. Cheesman ..... 1347 La Brea, Hollywood, Cal.  
6CBC J. H. Hind ..... Hawl, T. H.  
6CBD C. Schonhoff ..... Oakland, Cal.  
6CBE Sidney Thaxter ..... 1601 Central Ave., Alameda, Cal.  
6CBF Tamiura Yoshizumi ..... 122 Rose St., Los Angeles, Cal.  
6CBG Harold H. Okasaki ..... 719 1/2 N. Alameda St., Los Angeles, Cal.  
6CBH Herman Wolff ..... 1375 Palou Ave., San Francisco, Cal.  
6CBI Raymond L. Smith ..... R.F.D. No. 2200, Los Angeles, Cal.  
6CBJ Oliver F. Holmkamp ..... Vacaville, Cal.  
6CBK Stanford University Radio Club ..... Box 1256, Palo Alto, Cal.  
6CBL R. H. Denny ..... 1411 S. Central Ave., Glendale, Cal.  
6CBM J. N. Carson ..... 1689 W. Adams St., Los Angeles, Cal.  
6CBN R. Adams ..... 1321 W. 38th St., Los Angeles, Cal.  
6CBO Eugene Champlon ..... 2507 E. 1st St., Los Angeles, Cal.  
6CBP Roy Woods ..... 1462—83d Ave., Oakland, Cal.  
6CBQ B. M. Burtheaell ..... 566 25th Ave., San Francisco, Cal.  
6CBR R. W. Wight ..... Big Creek, Cal.  
6CBS C. F. Mason ..... 2330 North St., Sacramento, Cal.  
6CBT R. F. Harris ..... Route 4, Box 560, Santa Rosa, Cal.  
6CBU Q. E. Anderson ..... 1564 S. 9th St., Salt Lake City, Utah  
6CBV Tony Perry ..... 2128 E. 15th St., Oakland, Cal.  
6CBW B. C. Langenour ..... Route 2, Box 22, Woodland, Cal.  
6CBX D. W. MacBride ..... 120 Pierce St., San Francisco, Cal.  
6CBB J. S. Jennings ..... 2009 Pacific Ave., San Francisco, Cal.  
6CBZ E. J. Trout ..... 1239 Royal Court, Los Angeles, Cal.  
6CC E. C. Garrette ..... 10th and Clay Sts., Colusa, Cal.  
6CCA R. C. Robson ..... 844 N. Virginia St., Reno, Nev.  
6CCB E. W. Lindfelt ..... 324 1/2 O St., Sacramento, Cal.  
6CCC Homer Wakefield ..... 531 N. University Ave., Provo, Utah  
6CCD L. H. Slocum ..... 3686 Georgia St., San Diego, Cal.  
6CCE William McCarty ..... 202 E. 23d St., Los Angeles, Cal.  
6CCF J. M. Lewis ..... 336 Redondo Blvd., Inglewood, Cal.  
6CCG H. W. Anderson ..... 321 West Park Ave., Eagle Rock, Cal.  
6CCH P. N. Maynard ..... 3000 Central Ave., Los Angeles, Cal.  
6CCI K. G. Field ..... Beaver City, Utah  
6CCJ Harold Yokela ..... 920 Pardee St., Berkeley, Cal.  
6CCL M. H. Nakata ..... 967 Dowsett Lane, Honolulu, T. H.  
6CCM Radio Research Society of Long Beach ..... 26 Elm Ave., Long Beach, Cal.  
6CCN Nicholas Nugent ..... 239—14th St., Richmond, Cal.  
6CCO Nicholas Nugent ..... 421 Macdonald Ave., Richmond, Cal.  
6CCP A. B. Nolan ..... 1630 San Miguel St., Coronado, Cal.  
6CCQ W. F. Kirkpatrick ..... 418 W. 21st St., Los Angeles, Cal.  
6CCR E. W. Fahlgren ..... 1805 Makiki St., Honolulu, T. H.  
6CCS Charles Cotal ..... 250 Faxon Ave., San Francisco, Cal.  
6CCU W. G. Smith ..... 5529 Fleming Ave., Oakland, Cal.  
6CCV Ira Iverson ..... 160 John St., Oakland, Cal.  
6CCW Lawrence M. Westcott ..... 1467 DeFoe St., Ocean Beach, Cal.  
6CCX Gerald M. Sellar ..... 893—54th St., Oakland, Cal.  
6CCY Fred J. Throop ..... Kentfield, Cal.  
6CCZ Erwin T. Holcomb ..... Riverbank, Cal.  
6CD H. Lucero ..... Oakdale, Cal.  
6CD H. T. Schnarr ..... 611 Allendale Ave., Oakland, Cal.  
6CDA A. R. Morgan ..... N. Sacramento St., Willows, Cal.  
6CDB J. A. Kinkead, Jr. .... 212 Fulton St., Palo Alto, Cal.  
6CDC E. R. Barnett ..... 3024—44th St., Sacramento, Cal.  
6CDD J. S. Amsden, Arrowhead Garage ..... Ploche, Nev.  
6CDE G. Bellinghamsen ..... 163 Locust St., Santa Cruz, Cal.  
6CDF C. J. Burbank ..... 225 Sanborn Ave., San Jose, Cal.  
6CDG S. and D. Burk ..... 1405 G St., Reedley, Cal.  
6CDH H. J. Coxon ..... 2130—61st Ave., Oakland, Cal.  
6CDI J. W. Dickey ..... 1316 Milton Ave., Los Angeles, Cal.  
6CDJ E. E. Haskins ..... Pendegast St., Woodland, Cal.  
6CDK F. E. Howell ..... 204 W. Main St., Santa Maria, Cal.  
6CDL F. Kellogg ..... 750 Palo Alto Ave., Palo Alto, Cal.  
6CDM F. H. Kraft ..... 1410 Reid St., Los Angeles, Cal.  
6CDN J. Kunita ..... 1332 E. 1st St., Los Angeles, Cal.  
6CDO R. P. Morgan ..... 867 Edgemont Ave., Los Angeles, Cal.  
6CDP R. Mortimer ..... 334—45th St., Oakland, Cal.  
6CDQ F. Orr ..... Long Beach Blvd., Compton, Cal.  
6CDR A. Dodke ..... 3805 Brookdale Ave., Oakland, Cal.  
6CDS S. H. Riddle ..... 2325 Jackson St., Wilman, Cal.  
6CDE E. E. Wilson ..... 5531 E. 16th St., Oakland, Cal.  
6CDU C. R. Runyon, Jr. .... 2005 Fuller Ave., Hollywood, Cal.  
6CDV J. R. Griggs ..... 3575 Boston Ave., San Diego, Cal.  
6CDW L. H. Meredith ..... Eleventh Cavalry, No. 71, Presidio, Monterey, Cal.  
6CDX J. H. Barnes ..... 4260 Kendall & Reid Sts., Pacific Beach, Cal.  
6CDY M. W. Bannister ..... 429 Magnolia Ave., Oxnard, Cal.  
6CDZ F. Morrow ..... 227 Northwest, 2d Ave., Visalia, Cal.  
6CE O. A. Harmon ..... 817—34th, Oakland, Cal.  
6CEA R. Berryessa ..... 60 S. Autumn St., San Jose, Cal.  
6CEB J. W. Baker ..... Route C, Box 124, Ventura Ave., Fresno, Cal.  
6CEC D. D. Monaco ..... 2434 Leavenworth St., San Francisco, Cal.  
6CED C. J. Stubbs ..... Martinez, Cal.  
6CEE Charles Clark ..... 2849 Garber St., Berkeley, Cal.  
6CEF L. A. Delhotel ..... Riverbank, Cal.  
6CEG W. H. Leland ..... 760 Cabrillo St., Berkeley, Cal.  
6CEH Robert C. Barnes ..... 2302 Duane St., Los Angeles, Cal.  
6CEI John R. Nakken ..... 145 Windsor St., Santa Cruz, Cal.  
6CEJ Howard E. Falknor ..... 2734 Milvia St., Berkeley, Cal.  
6CEK James F. Davidson ..... Kingman, Ariz.  
6CEL Leslie H. Meredith, Eleventh C. A. C. .... Presidio of Monterey  
6CEM Richard L. Thomas ..... 8032 Virginia St., Vallejo, Cal.  
6CEN Reginald P. Mackenzie ..... 10618—4th Ave., Los Angeles, Cal.  
6CEO John Martin ..... 166 Nova Drive, Piedmont, Cal.  
6CEP Vernon Walston ..... 1009 N. Court St., Visalia, Cal.  
6CEQ Francis Curtis ..... 325 E. Dale St., Riverside, Cal.  
6CER John D. Thompson ..... 135 Embarcadero Road, Palo Alto, Cal.  
6CES Wesley Claton Thompson ..... 1370 S. White Ave., Los Angeles, Cal.  
6CET J. A. Stagnaro ..... 532A Lombard St., San Francisco, Cal.  
6CEU R. Smith ..... 113 Utulani St., Honolulu, T. H.  
6CEV J. F. Schrader ..... 1720 University Ave., San Diego, Cal.  
6CEW Charles H. Roof ..... 16 Vernon St., San Francisco, Cal.  
6CEX F. F. Richards ..... 221 East Ave., Monrovia, Cal.  
6CEY Norman R. Nicholas ..... 1030 Yale St., Sacramento, Cal.  
6CEZ Donald Marsh ..... 703 Zern St., Anaheim, Cal.  
6CF J. Toles ..... 2723 Bevenue Ave., Berkeley, Cal.  
6CFA W. E. Maguire ..... R. D. No. 2, Fullerton, Cal.  
6CFB Henry Laflala ..... Fort Bragg, Cal.  
6CFC Robert Kinkead ..... 212 Fulton St., Palo Alto, Cal.  
6CFD Albert A. Frost ..... 1895 Altamira Pl., San Diego, Cal.  
6CFE Howard Grove ..... 2401 W. 6th St., Los Angeles, Cal.  
6CFF Charles Dowell ..... 111—81st-32d Ave., Venice, Cal.

6CFG M. DePay ..... 844—54th St., Oakland, Cal.  
6CFH D. H. Cordano ..... Air Mail Radio Station, Reno, Nev.  
6CFI H. H. Coats ..... 145 Church St., Santa Cruz, Cal.  
6CFJ John Burchard ..... 1726 Eye St., San Diego, Cal.  
6CFK J. R. Alsip ..... R.F.D. No. 3, Box 735, Watts, Cal.  
6CFL R. Southwick ..... 2850 Sunset Pl., Los Angeles, Cal.  
6CFM Claude Perkins ..... 3473 Fremont Ave., Los Angeles, Cal.  
6CFN Frank R. Morton ..... 4459 Alabama St., San Diego, Cal.  
6CFO Robert T. Costenborder ..... 2240 Newton Ave., San Diego, Cal.  
6CFP George R. Johnston ..... 1019 S. Flower St., Los Angeles, Cal.  
6CFQ Herman Hanson ..... 514—3d Ave., Santa Barbara, Cal.  
6CFR Percy S. Hallett, Jr. .... 955 Maulson Ave., Pasadena, Cal.  
6CFS Dave E. McDonald ..... 445 Plymouth Blvd., Los Angeles, Cal.  
6CFT Harold W. Leighton ..... 286—49th St., Los Angeles, Cal.  
6CFU Harold A. Smith ..... 4807—3d Ave., Los Angeles, Cal.  
6CFV Robert I. Coulter ..... 1949 S. Huntington Drive, Pasadena, Cal.  
6CFW H. R. Webster ..... 2500 Juliet St., Los Angeles, Cal.  
6CFX Stanford McCasland ..... 3225 Alta St., Los Angeles, Cal.  
6CFY H. J. Patethorpe ..... 2501 Juliet St., Los Angeles, Cal.  
6CFZ Gaston E. Ache ..... 1625 1/2 N. Kingsley Drive, Los Angeles, Cal.  
6CG W. G. Skilling ..... 2910 Lincoln Ave., San Francisco, Cal.  
6CGA Robert Stirling ..... 1450 Eucalyptus Lane, Los Angeles, Cal.  
6CGB Billy D. Smith ..... Route No. 1, Box 217, Ontario, Cal.  
6CGC John R. Griggs ..... 1519—1st St., San Diego, Cal.  
6CGD Charles E. Scott ..... Box 113, Renard, Cal.  
6CGE Frank G. Taylor ..... 56 Sanchez St., San Francisco, Cal.  
6CGF Jerome F. Smith ..... 2456 N. Broadway, San Diego, Cal.  
6CGG Irwin E. Dickinson ..... 2114 K St., Bakersfield, Cal.  
6CGH Stanley Jennings ..... 1120 Bash St., San Diego, Cal.  
6CGI Arthur E. Schifferman ..... 417 W. 48th St., Los Angeles, Cal.  
6CGJ Granville A. Starbrick ..... 443 N. Washington St., Whittier, Cal.  
6CGK Paul Heimley ..... 391—4th St., San Diego, Cal.  
6CGL Harold W. Johnston ..... 44 Bodega Ave., Watsonville, Cal.  
6CGM Earl Wyatt ..... Bodega Ave., Sebastopol, Cal.  
6CGN Herbert L. Bocline ..... 747 Broadway, Venice, Cal.  
6CGO Glen A. Litten ..... 1002 W. Bishop St., Santa Cruz, Cal.  
6CGP R. K. Jamieson ..... 300 Tucker Ave., Healdsburg, Cal.  
6CGQ Elva Bohmstedt ..... R.D. 1, Box 125, Hamilton Ave., Santa Cruz, Cal.  
6CGR Charles M. Austin ..... 138 Vista Pl., Venice, Cal.  
6CGS Albert H. Webb ..... 1411 Genesee St., Hollywood, Cal.  
6CGT Albert Beckwith ..... 260 Palmetto Drive, Pasadena, Cal.  
6CGU Polytechnic High Engineering Club ..... W. Pine St., Santa Ana, Cal.  
6CGV R. L. Riseman ..... 243 Euclid Ave., Long Beach, Cal.  
6CGW Edward Power ..... 1050 E. Santa Clara St., San Jose, Cal.  
6CGX Edward L. Warren ..... 942 Farnsworth Ave., Los Angeles, Cal.  
6CGZ Willard S. Frier ..... 1524 Schutte St., Alameda, Cal.  
6CH H. C. Brown ..... 1737 Union St., San Francisco, Cal.  
6CHB Roswell S. Smith ..... 225—29th St., Oakland, Cal.  
6CHC James E. Read ..... Route B, Box 594, Modesto, Cal.  
6CHD G. L. Weathers ..... 207 N. West St., Visalia, Cal.  
6CHE Helmer W. Anderson ..... 321 West Park Ave., Eagle Rock, Cal.  
6CHF Louis Robinson ..... 458 Sierra St., Los Angeles, Cal.  
6CHG Homer Wakefield ..... 531 N. University Ave., Provo, Utah  
6CHH Arthur W. Arbios ..... 1300 F St., Oakdale, Cal.  
6CHI Everett Hamlett ..... 937—20th St., Merced, Cal.  
6CHJ R. E. Adams ..... 1321 W. 38th St., Los Angeles, Cal.  
6CHK E. E. Jefferson ..... Sunnyvale, Cal.  
6CHL E. Mollinari ..... 3948—26th St., San Francisco, Cal.  
6CHM F. S. Dart ..... Spanish Fork, Utah  
6CHN Ambrose McCarthy ..... 635 Chestnut St., San Carlos, Cal.  
6CHO Hayes F. Cory ..... 1434 Genesee St., Hollywood, Cal.  
6CHP Arthur T. Adams, Jr. .... 744—14th St., Merced, Cal.  
6CHQ Hunter Manson ..... 527 Northwest 4th St., Provo, Utah  
6CHR Oliver Everett ..... 2100—1st St., San Diego, Cal.  
6CHS R. Betsel ..... 417 Cypress St., Santa Ana, Cal.  
6CHT Jack B. Lindsay ..... 7028 Hollywood Blvd., Los Angeles, Cal.  
6CHU Geo. S. Lulsin ..... 2118 Oak St., Los Angeles, Cal.  
6CHV Richard Martindale ..... 1219 W. 24th St., Los Angeles, Cal.  
6CHW K. I. Beicil ..... 417 Cypress St., San Diego, Cal.  
6CHX W. Watkins ..... 2232 Huntington Ave., Monterey, Cal.  
6CHY L. T. Hodges ..... 1405—12th St., Reedley, Cal.  
6CHZ W. S. Wiggins ..... Puente Norwalk Road, Los Nietos, Cal.  
6CI A. E. Johnson ..... 1000 Delaware St., Berkeley, Cal.  
6CJ C. J. Barnes ..... 827 Green Ave., Los Angeles, Cal.  
6CK C. V. Bascom ..... 1020 E. 27th, Los Angeles, Cal.  
6CL H. T. Burke ..... 2017 Lincoln St., Berkeley, Cal.  
6CM D. M. Campbell ..... N. Glendale, Cal.  
6CN V. J. Campo ..... 207 Gaven St., San Francisco, Cal.  
6CO F. I. Clarke ..... 892 S. 8th St., San Jose, Cal.  
6CP F. I. Dootkin ..... 1536—6th St., Alameda, Cal.  
6CQ H. A. Greene ..... 313 Lighthouse Ave., Monterey, Cal.  
6CR G. H. Dennis ..... 1227 Crenshaw Bd., Los Angeles, Cal.  
6CS R. C. Denny ..... 1516 McKenzie Ave., Fresno, Cal.  
6CT R. F. Downs ..... 3938 1/2 S. Grand Av., Los Ang., Cal.  
6CU C. E. Filstead ..... 2010—6th Ave., Los Angeles, Cal.  
6CV E. Frazier ..... 1344—3rd St., Sacramento, Cal.  
6CW H. C. Hand ..... Carmel, Cal.  
6CX G. A. Hatherell ..... Inglewood, Cal.  
6CY C. E. Lundy ..... 692 N. 17th, San Jose, Cal.  
6CZ G. Hewitt ..... 796 Delmas Ave., San Jose, Cal.  
6DA R. W. Hillen ..... 162 W. Alvarado St., Pomona, Cal.  
6DB W. Holladay ..... 317 W. Kelso St., Inglewood, Cal.  
6DC C. G. Isheman ..... 1323—96th Ave., Oakland, Cal.  
6DD Phillip Keast ..... 379 Mill St., Grass Valley, Cal.  
6DE S. P. Ingram ..... 95 S. 5th St., San Jose, Cal.  
6DF D. Farrin ..... 100 N. Broadway, Los Angeles, Cal.  
6DG P. E. Lake ..... 401 Gates St., San Francisco, Cal.  
6DH W. D. Lauritzen ..... Route A, Fresno, Cal.  
6DI D. W. Appleton, Jr. .... 323 Larkin St., Monterey, Cal.  
6DJ W. C. Marsh ..... 848 Main St., Albany, Cal.  
6DK Pasadena High School ..... Pasadena, Cal.  
6DL W. W. Lindsay ..... Reedley, Cal.  
6DM H. W. Milbralte ..... 986—6th St., Oakland, Cal.  
6DN W. A. Morse ..... 2029 Turk St., San Francisco, Cal.  
6DO F. M. O'Neill ..... 1635 Addison St., Berkeley, Cal.  
6DP E. H. Harris ..... 26 Washington St., Santa Cruz, Cal.  
6DQ C. E. Ponnay ..... 6516 Denver Ave., Los Angeles, Cal.  
6DR S. E. Robinson ..... 2829 Broadway, Oakland, Cal.  
6DS J. Sanderson ..... 601 N. Stoneman Ave., Alameda, Cal.  
6DT O. Schuwendt ..... 1046 Blackstone Ave., Fresno, Cal.  
6DU C. Scruggs ..... 1178 E. 47th St., Los Angeles, Cal.  
6DV C. Stine ..... 1226 W. 30th St., Los Angeles, Cal.  
6DW J. B. Taylor ..... 111 Gaven St., San Francisco, Cal.  
6DX T. W. Tilden ..... 1635 Waltman Av., Los Angeles, Cal.  
6DY H. F. Topping ..... 222 W. Richmond Av., Richmond, Cal.  
6DZ R. A. Tulp ..... 1228 Sycamore Av., Highland Pk., Cal.  
6EA H. C. Seefred ..... 343 S. Fremont St., Los Angeles, Cal.  
6EB L. B. Seefred ..... 343 S. Fremont St., Los Angeles, Cal.  
6EC L. E. Waters ..... R. D. No. 2, Box 12C, Orange, Cal.  
6ED H. White ..... 322 E. 4th St., Santa Ana, Cal.  
6EE S. K. Whithead ..... 138 N. Bix St., Los Angeles, Cal.  
6EF C. Wilding ..... 4421 Motter St., Los Angeles, Cal.  
6EG El. A. Williamson ..... 2101 Stockton Blvd., Sacramento, Cal.  
6EH H. E. Wright ..... 315 Avardo Cr., Pomona, Cal.  
6EI Ed. S. Carter ..... 7106 1/4 Franklin Ave., Hollywood, Cal.  
6EJ E. A. Portal ..... Los Altos, Cal.

6EK N. Yale ..... 637 N. 43d St., Los Angeles, Cal.  
6EL G. G. Mackey ..... 1526 Crenshaw Blvd., Los Angeles, Cal.  
6EM Kern So. Union High School ..... Bakersfield, Cal.  
6EN H. A. Duval & O. Esler ..... 4963 Wadsworth St., Los Angeles, Cal.  
6EO E. H. Needham ..... 118 Fairmont Ave., Eagle Rock, Cal.  
6EP S. H. Seeburger ..... 5990 Channing St., Oakland, Cal.  
6EQ F. W. Salome ..... 1361 Underwood Ave., San Fran., Cal.  
6ER H. Blasler ..... 1360 1/2 S. Hoover St., Los Ang., Cal.  
6ES E. G. Underwood ..... 201 S. Greville St., Englewood, Cal.  
6ET W. McGeorge ..... 349 Pine Ave., Pacific Grove, Cal.  
6EU F. L. Garrison ..... 405 Willow St., Stockton, Cal.  
6EV A. A. Kramer ..... 1602 6th St., Coronado, Cal.  
6EW C. J. Phillips ..... 1016 Santa Antonia Ave., Alameda, Cal.  
6EX C. C. Steffen ..... 1615 Arch St., Berkeley, Cal.  
6EY J. L. McCragg ..... 1413-16th St., Oakland, Cal.  
6EZ T. A. Lee ..... 2619 Mantau Ave., Los Angeles, Cal.  
6FA T. A. Fite ..... 3012 Harper, Berkeley, Cal.  
6FB Bert Diamond ..... 408 S. Catalina St., Redondo Bch., Cal.  
6FC A. H. Schula ..... 1445 Cole St., San Francisco, Cal.  
6FD Hallie Midkiff ..... Minnesota St., Glendora, Cal.  
6FE W. Briggs ..... Vacaville, Cal.  
6FF R. B. Dugan ..... 3003 LaSalle St., Los Angeles, Cal.  
6FG C. H. Hibbard, Jr. .... 156 Bellefontaine, Pasadena, Cal.  
6FH H. H. Steen ..... 2007 K St., Sacramento, Cal.  
6FI Paul Oard ..... 1217 N. East St., Stockton, Cal.  
6FJ E. D. Barrett ..... 960-18th St., Merced, Cal.  
6FK De Loss P. Trim ..... 4033 Louisiana, San Diego, Cal.  
6FL D. E. Metcalf ..... 1825 S. Ardmore Ave., Los Ang., Cal.  
6FM M. P. Baker ..... Los Gatos, Cal.  
6FN L. L. Hoyt ..... 248 Main St., Hayward, Cal.  
6FO G. Relnsche ..... 1781-9th Ave., San Francisco, Cal.  
6FP G. Relnsche ..... 1781 Ninth Ave., San Fran., Cal.  
6FQ H. H. Wickersham ..... 149 San Carlos Ave., San Francisco, Cal.  
6FR F. A. Etubbe ..... 978 Valencia St., San Francisco, Cal.  
6FS William Sutton ..... 409 Parker Ave., Sacramento, Cal.  
6FT C. D. Roe ..... 606 N. Normandie Ave., Los Ang., Cal.  
6FU P. J. Iangle ..... 1117 Division St., Pasadena, Cal.  
6FV William Parsley ..... 243 1/2 Alvarado St., Monterey, Cal.  
6FW B. P. Fehren ..... 345 N. Third St., San Jose, Cal.  
6FX G. V. Tudhope ..... 418 1/2 Manila Ave., Oakland, Cal.  
6FY G. E. Thompson ..... 144 Sunset Road, Modesto, Cal.  
6FZ R. D. Calhoun ..... 2436 Dwight Way, Berkeley, Cal.  
6GA Merton Hughes ..... 1407 Market St., Oakland, Cal.  
6GB W. R. Carrillon ..... 793 Cole St., San Francisco, Cal.  
6GC Floyd E. Provine ..... 1320 N. Douglas St., Los Ang., Cal.  
6GD Oliver Wright ..... 784 S. Molino Ave., Pasadena, Cal.  
6GE F. P. Burton ..... 805 Ninth St., Douglas, Ariz.  
6GF Ernest Staats ..... 2318 I St., Sacramento, Cal.  
6GG W. W. Lartin ..... 2487 Altadena Ave., Pasadena, Cal.  
6GH Vance Phillips ..... 237 State St., Pasadena, Cal.  
6GI Archie Wade ..... 465 N. Lake St., Los Angeles, Cal.  
6GJ G. G. Gould ..... 2265 Clinton Ave., Alameda, Cal.  
6GK Paul Bichel ..... 1434-25th Ave., San Francisco, Cal.  
6GL W. A. Birch ..... 1819 Tenth St., Berkeley, Cal.  
6GM G. W. Ewing ..... Highland, Cal.  
6GN W. E. Bruener ..... 4110 Folsom Blvd., Sacramento, Cal.  
6GO G. Bennett ..... 4116 E. 16th St., Oakland, Cal.  
6GP C. W. Seamans ..... 150 S. El Molino Ave., Pasadena, Cal.  
6GQ Ralph Corgins ..... 45 Coronado Rd., Phoenix, Ariz.  
6GR Edw. Anderson ..... 1905 L St., Sacramento, Cal.  
6GS M. W. Powell ..... Lowell, Ariz.  
6GT Robert Kennedy ..... 1418 S. Lime St., Riverside, Cal.  
6GU Geo. L. Van Auker ..... Box 170, San Jose, Cal.  
6GV M. T. Davidson ..... 419 S. Alvarado St., Los Ang., Cal.  
6GW H. W. Cookson ..... Katesville, Cal.  
6GX Alfred Lynam ..... 2409 S St., Sacramento, Cal.  
6GY Ira Wood ..... 525 S. 6th St., San Jose, Cal.  
6GZ Charles Bruere ..... 316 W. Grant Ave., Eureka, Cal.  
6HA Kenneth M. Hill ..... 532 N. 17th St., San Jose, Cal.  
6HB R. A. Wilkins ..... 405 N. Third St., San Jose, Cal.  
6HC Harry Emrich ..... 3120-21st St., San Francisco, Cal.  
6HD J. M. McKinley ..... 1750-35th St., Oakland, Cal.  
6HE F. W. Seville ..... 2915 Forest Ave., Berkeley, Cal.  
6HF D. C. Nutting ..... 625 Sylvan Blvd., Redlands, Cal.  
6HG L. B. Knox ..... 2168 Wollman Ave., San Diego, Cal.  
6HH Fred Lano ..... 1362-42d Ave., San Francisco, Cal.  
6HI H. J. Martin ..... 2100 Raymond St., Pasadena, Cal.  
6HJ F. Cresswell ..... 920 W. 55th St., Los Angeles, Cal.  
6HL W. L. Jarvis ..... 1221-52d St., Los Angeles, Cal.  
6HM C. R. Hansen ..... 575 N. Grower St., Los Angeles, Cal.  
6HN P. E. Brlow ..... 1700 Walnut St., Berkeley, Cal.  
6HO W. A. Ardonyim ..... 41 Greenbank Ave., Piedmont, Cal.  
6HP E. A. Poage ..... 143-15th St., Richmond, Cal.  
6HQ F. E. Brinkman ..... 406-56th St., Oakland, Cal.  
6HR M. P. Kimball ..... 5227 Santa Monica Rd., Los Ang., Cal.  
6HS Cutler Brown ..... 1125 Fourth Ave., Los Angeles, Cal.  
6HT S. I. Wood ..... 512 Watson Ave., Monterey, Cal.  
6HU Floyd Matter ..... 1360 Grand Ave., Pomona, Cal.  
6HV W. F. Voltz ..... 2013 W. Jackson St., Phoenix, Ariz.  
6HW G. M. Post ..... 1233 Talbot Ave., Berkeley, Cal.  
6HX Nitch Moran ..... 12 W. Fourth St., Eureka, Cal.  
6HY C. E. Terrell ..... 1423 E. 61st St., Los Angeles, Cal.  
6HZ C. E. Lowell ..... 1403 Martel Ave., Los Angeles, Cal.  
6IA K. Foss ..... 1551 Emerson St., Palo Alto, Cal.  
6IB O. Ruf ..... 1430 Santa Clara St., Santa Clara, Cal.  
6IC Edwin Stadler ..... 2408 O St., Sacramento, Cal.  
6ID Hubert Woods ..... 122 W. Willford St., Glendale, Cal.  
6IE U. A. Rowers ..... Mill Valley, Cal.  
6IF L. J. Riedman ..... 1731 Atlantic Ave., Long Beach, Cal.  
6IG O. A. Weber ..... R.F.D. 1, Box 51, El Cajon, Cal.  
6IH W. Sauze ..... 2424 I St., Sacramento, Cal.  
6II N. A. Pearce ..... 9022-28th St., Sacramento, Cal.  
6IJ C. A. Young ..... 704 E. Park Ave., Eagle Rock, Cal.  
6IK F. A. Brandis ..... 1039 Merced Ave., Berkeley, Cal.  
6IL R. A. Gray ..... 1056 W. 53d St., Los Angeles, Cal.  
6IM R. J. Erier ..... 940 Tennessee St., Vallejo, Cal.  
6IN Technical High School ..... Broadway, Oakland, Cal.  
6IO J. M. Holmes ..... 720 S. 11th St., San Jose, Cal.  
6IP P. A. Hurlbut ..... 140 Sacramento St., Pasadena, Cal.  
6IQ W. R. Hone ..... 324 N. College Ave., Los Angeles, Cal.  
6IR W. W. Marcus ..... 495 Jefferson St., Pomona, Cal.  
6IS M. F. Rose ..... 495 Jefferson Park, Cal.  
6IT C. E. Rich ..... Glendale, Cal.  
6IU John France ..... 800 S. Fedora, Los Angeles, Cal.  
6IV L. E. West ..... 342 Main St., Riverside, Cal.  
6IW G. E. Pennypacker ..... 235 Mantle Ave., Manteca, Cal.  
6IX Victor Hansen ..... 1443 Martel Ave., Hollywood, Cal.  
6IY F. Bentucci ..... Arcata, Cal.  
6IZ A. A. Hudgins ..... 845 F Ave., San Diego, Cal.  
6JA F. C. Erickson ..... 258 Ilishon St., San Francisco, Cal.  
6JB F. M. Weintraub ..... 1563 S. Harvard Bld., Los Angeles, Cal.  
6JC S. S. Solite ..... 5719 Ketha Ave., Oakland, Cal.  
6JD O. M. Bitts ..... 5128 S. Van Ness Av., Los Ang., Cal.  
6JE V. M. Wilson ..... Box 667, Escondido, Cal.  
6JF C. D. Brownrigg ..... 786 B St., Hayward, Cal.  
6JG S. A. Schwenden ..... 170 S. Rowan Ave., Los Ang., Cal.  
6JH C. B. Olmstead ..... 259-23d Ave., Los Angeles, Cal.  
6JI M. S. Jackson ..... 833-17th St., San Diego, Cal.  
6JJ V. S. Stockholm ..... 164 Elm St., Fresno, Cal.  
6JK P. F. Scofield ..... 430 Kingslay Ave., Palo Alto, Cal.

6JL M. S. Storle ..... 74 S. 15th St., San Jose, Cal.  
6JM C. R. Henry ..... Napa, Cal.  
6JN H. Brewer ..... 1284 W. 67th St., Emeryville, Cal.  
6JO J. Cappa ..... 279 E. St. John St., San Jose, Cal.  
6JP B. W. O'Leary ..... 5426 Fifth Ave., Los Angeles, Cal.  
6JQ B. R. Norton ..... Sacramento, Cal.  
6JR C. Dorsett ..... Oldale, Cal.  
6JS H. S. McCauley ..... Guernville, Cal.  
6JT M. S. Andelin ..... Richfield, Utah  
6JU W. E. Francisco ..... 638-37th St., Oakland, Cal.  
6JV H. D. Spenser ..... Box 14, R. F. D., Rivers, Cal.  
6JW O. B. Tyler ..... 352 Illinois St., Pomona, Cal.  
6JX G. M. Best ..... 109 Greenbank Ave., Piedmont, Cal.  
6JY A. Peshgair ..... 211 S. El Molino Ave., San Francisco, Cal.  
6JZ A. H. Beckel ..... 372-25th Ave., San Francisco, Cal.  
6KA F. E. Nihirk ..... 1050 W. 89th St., Los Angeles, Cal.  
6KB L. L. Klahan ..... 27 Cheney St., San Francisco, Cal.  
6KC R. Jacob ..... 2001 University St., San Diego, Cal.  
6KD E. R. Irely ..... 689 State St., El Centro, Cal.  
6KE Leslie Taft ..... 5663 De Longpre Ave., Los Ang., Cal.  
6KF R. E. Binkley ..... 339 Fresno Ave., Fresno, Cal.  
6KG C. R. Belknap ..... 6516 Fountain St., Hollywood, Cal.  
6KH R. P. Fleming ..... 606 San Benito St., Los Angeles, Cal.  
6KI H. S. McIntosh ..... 322 E. Cypress St., Glendale, Cal.  
6KJ G. H. Meyer ..... 184 S. El Molino Ave., Pasadena, Cal.  
6KK S. J. Fass ..... 1826 Broderick St., San Francisco, Cal.  
6KL Wm. Bates, Jr. .... 4127 Mantia Ave., Oakland, Cal.  
6KM K. A. Adams ..... 2060 E. Main St., Stockton, Cal.  
6KN M. P. Rose ..... 1314-40th Ave., Oakland, Cal.  
6KO S. P. Maxley ..... 1050-47th St., Los Angeles, Cal.  
6KP O. S. Garretson ..... 118 Fairmont Av., Eagle Rk. Cy., Cal.  
6KQ I. S. Truitt ..... 317 W. Doran St., Glendale, Cal.  
6KR S. W. Warner ..... 474-27th St., Oakland, Cal.  
6KS H. E. White ..... 990 E. Mountain St., Pasadena, Cal.  
6KT B. M. Swift ..... 220 Franklin St., Napa, Cal.  
6KU C. C. Brown ..... Volta Power House, Manton, Cal.  
6KV Wm. Evans ..... 1416-5th St., Long Beach, Cal.  
6KW Randle Nourse ..... 863 S. 10th St., San Jose, Cal.  
6KX Don Stammers ..... 2119 Whitson, Selma, Cal.  
6KY S. P. Dalton ..... 121-23d St., Los Angeles, Cal.  
6KZ Piedmont High School ..... Piedmont, Cal.  
6LA W. J. Britton ..... 2115 Mvrtis St., Oakland, Cal.  
6LB P. Thorne ..... 537 Hobart St., Oakland, Cal.  
6LC L. A. Bartholomew ..... 349 W. 79th St., Los Angeles, Cal.  
6LD J. C. Laehler ..... 740 S. San Antonio St., Pomona, Cal.  
6LE Chas. Wilson ..... 3040 Benvenue Ave., Berkeley, Cal.  
6LF J. B. Harris ..... 651 S. 12th St., San Jose, Cal.  
6LG H. Cartwright ..... 161 Oak Knoll Ave., Pasadena, Cal.  
6LH G. B. Perkins ..... 320 National Ave., National City, Cal.  
6LI E. L. Bullen ..... 800 S. 8th St., San Jose, Cal.  
6LJ F. Gleason ..... 1828 Formosa Ave., Hollywood, Cal.  
6LK E. Everitt ..... 721 Kirkham St., Oakland, Cal.  
6LL M. Spagnole ..... 348 W. Center St., Covina, Cal.  
6LM G. S. Corpe ..... 1967 Courtland Ave., Oakland, Cal.  
6LN E. Stedinger ..... 2018-27th St., Sacramento, Cal.  
6LO W. E. Mumford ..... 18 Virginia Ave., San Francisco, Cal.  
6LP H. H. Stegman ..... 815 N. Hollister St., Pasadena, Cal.  
6LQ E. L. Lemon ..... 479-34th St., Oakland, Cal.  
6LR W. R. Coover ..... 2719-5th Ave., Sacramento, Cal.  
6LS W. R. Clissham ..... Rt. 1, Box 63, Stockton, Cal.  
6LT G. H. Lavender ..... Willows, Cal.  
6LU W. A. Baker ..... 235-7th, San Mateo, Cal.  
6LV N. Sumsori ..... 1260 E. Colorado St., Los Angeles, Cal.  
6LW R. Lindsay ..... 531 Salem St., Los Angeles, Cal.  
6LX R. B. Stith ..... 7278 Hollywood Bld., Los Ang., Cal.  
6LY L. C. Rames ..... 1316 Walnut St., Glendale, Cal.  
6LZ L. O. Fassett ..... 4326 Balboa St., San Francisco, Cal.  
6MA W. Heppenstall ..... 2047 W. 29th St., Los Angeles, Cal.  
6MB D. B. McGown ..... San Jose, Cal.  
6MC R. J. Cassar ..... 1606 N. Alexandria, Los Angeles, Cal.  
6MD R. D. Albin ..... 1030 Aranahe St., Los Angeles, Cal.  
6ME L. L. Schaffner ..... 1320 Illinois St., Los Angeles, Cal.  
6MF Ian L. Forman ..... 427 S. Alvarado St., Los Angeles, Cal.  
6MG Harold Smith ..... 3415 Glen Albyn Drive, Los Ang., Cal.  
6MH W. A. Munson ..... 1523 Portola Ave., Los Angeles, Cal.  
6MI A. E. Fell ..... 1152 S. Berenda St., Los Ang., Cal.  
6MJ L. B. Benjamin ..... 140 S. Orford St., Los Angeles, Cal.  
6MK L. J. Gubin ..... 845 Crenshaw Blvd., Los Angeles, Cal.  
6ML Corpe Brothers ..... El Monte, Cal.  
6MN C. V. Tieschan ..... 3602 Glassell Ave., Los Angeles, Cal.  
6MO P. E. Warrington ..... 4810 Gramercy Pl., Los Angeles, Cal.  
6MP G. H. Fitzpatrick ..... 3500 Third St., San Diego, Cal.  
6MQ H. S. Chaffee ..... 1111 Los Robles Ave., Pasadena, Cal.  
6MR Wm. Schmidt ..... 51st & Vermont, Los Angeles, Cal.  
6MS Robt. Sant ..... 746 Main St., Long Beach, Cal.  
6MT Harry Hoyt ..... 6122 De Longpre St., Los Angeles, Cal.  
6MU H. W. Roberts ..... 5327 Monte Vista St., Los Anc., Cal.  
6MV A. K. Thompson ..... 1025 W. Florence St., Los Anc., Cal.  
6MW J. L. McKee ..... 121 N. Fairview Ave., Tujunga, Cal.  
6MX E. A. Freitas ..... 9851 B St., Oakland, Cal.  
6MY Harold Soaring ..... 300 N. Alta St., Los Angeles, Cal.  
6MZ J. F. Gray ..... Dal Mar, Cal.  
6NA A. S. Nielson ..... 849 Athens St., Oakland, Cal.  
6NB R. I. McHolland ..... 3545 Seventh St., Los Angeles, Cal.  
6NC Ralph Thomson ..... 1730 T St., Sacramento, Cal.  
6ND A. W. Hill ..... 1121 R St., Eureka, Cal.  
6NE G. W. Evans ..... 414 Emerson St., Palo Alto, Cal.  
6NF R. E. Cornelison ..... 827 O St., Fresno, Cal.  
6NG R. W. Thornalley ..... 3027 E. 16th St., Oakland, Cal.  
6NH R. Thomas ..... 2049 Summit St., Oakland, Cal.  
6NI Wallace Rainard ..... 5719 Keith Ave., Oakland, Cal.  
6NJ R. F. Gault ..... 1015 N. Center St., Stockton, Cal.  
6NK Bertram Heller ..... 1133 W. 41st Pl., Los Angeles, Cal.  
6NL R. F. Middlebrook ..... 2744 Columbia St., San Diego, Cal.  
6NM E. H. Daniels ..... 266 Lindero Ave., Long Beach, Cal.  
6NN E. S. Clavton ..... 1404-66th St., Berkeley, Cal.  
6NO Charles Crms ..... 5584 Broadway, Oakland, Cal.  
6NP G. L. Hart ..... 3785 Albatross St., San Diego, Cal.  
6NQ H. S. Nelson ..... 22 Kensington Ants., Salt Lake Cy., U.  
6NR Louis L. LeConte, Jr. .... 2501 Piedmont Ave., Berkeley, Cal.  
6NS Monroe G. Somers ..... 1828 W. 41st Pl., Los Angeles, Cal.  
6NT C. J. Frederickson ..... Front & Montezuma Sts., Rio Vista, Cal.  
6NU Hayes W. Kester ..... 312 Orange Ave., Monrovia, Cal.  
6NV P. O. Van Woods ..... 1719 Scott St., San Francisco, Cal.  
6NW J. W. Unchurch ..... 114 Daniels Ave., Vallejo, Cal.  
6NX Frank J. Onement ..... 51 Pleasant St., San Jose, Cal.  
6NY J. E. Bickel ..... 745 N. Pickering St., Whittier, Cal.  
6NZ C. I. Canwell ..... Monte Cresta Ave., Oakland, Cal.  
6OA I. P. Bennett ..... 428 R St., Hayward, Cal.  
6OB Knights of Columbus Radio Sch. San Francisco, Cal.  
6OC I. Van Gorder ..... Corning, Cal.  
6OD D. Gardner ..... 515 El Centro St., S. Pasadena, Cal.  
6OE S. F. Johnson ..... 2840 Malden Lane, Altadena, Cal.  
6OF J. A. Martin ..... 6002 Inwood St., San Diego, Cal.  
6OG H. T. Young ..... 616 Gertrude, Redondo, Cal.  
6OH J. R. Mannon ..... 414 Doris St., Ukiah, Cal.  
6OI J. C. Emlen ..... 1148-9th St., Douglas, Ariz.  
6OJ L. C. Emlen ..... 818 Fifth St., National City, Cal.  
6OK R. H. Schauer ..... 1009 E. Haley St., Santa Barbara, Cal.  
6OL R. M. White ..... 1509 S. Brand Blvd., Glendale, Cal.

60M	G. Hutchins	403 N. Benton Way, Los Ang., Cal.
60N	H. E. Thompson	458 Lake Shore Blvd., Oakland, Cal.
60O	G. R. Macklin	88 Peralta Ave., San Francisco, Cal.
60P	H. Heer	1400 Jones St., San Francisco, Cal.
60Q	E. Favor	904 Irving St., San Francisco, Cal.
60R	J. C. Hill	743 Mildreda St., Fresno, Cal.
60T	F. Berry	359 E. 13th St., Salt Lake City, Utah
60U	J. W. Babcock	Marin County, Inverness, Cal.
60V	G. Schomber	193 Doulass St., San Francisco, Cal.
60W	C. K. McCormick	39 Cliff St., Santa Cruz, Cal.
60X	G. E. Rominger	241 S. Orange St., Glendale, Cal.
60Y	Stanley Deerr	137 S. Cedar St., Glendale, Cal.
60Z	Glenn Garner	2454 Washington St., Ogden, Utah
6PA	Pasa Robles High School	Pasa Robles, Cal.
6PB	L. B. Fowler	703 Olive Ave., Redland, Cal.
6PC	L. W. Packard	1121 Bresee Ave., Pasadena, Cal.
6PD	J. W. McArdle	263 Day St., San Francisco, Cal.
6PE	H. C. Mallander	423 Westminster Av., Salt Lake City, U.
6PF	T. Maher	426-29th St., San Francisco, Cal.
6PG	J. Redmond	340-30th St., San Francisco, Cal.
6PH	E. J. McGuire	1855 Church St., San Francisco, Cal.
6PI	E. S. McClashan	2333 W. 21st St., Los Angeles, Cal.
6PJ	H. D. Schmidt	27 Kakota Ave., Santa Cruz, Cal.
6PK	L. R. Wilson	319 E. 14th St., Tucson, Ariz.
6PL	C. D. Brockaway	4402 Sunset Blvd., Los Angeles, Cal.
6PM	L. H. Conner	2017 J St., Sacramento, Cal.
6PN	M. Stewart	385-7th St., San Diego, Cal.
6PO	Paul Doty	9 Pine Ave., San Jose, Cal.
6PP	Stanley Mattoon	7364 Hollywood Blvd., Los Ang., Cal.
6PQ	M. H. Finley	Santa Ana, Cal.
6PR	O. L. Willey	89 May St., Santa Cruz, Cal.
6PS	C. T. Stevens	434-60th St., Oakland, Cal.
6PT	G. E. Easton	515 Madison St., Monterey, Cal.
6PU	J. H. Alford	Box 248, R. D. 42, San Jose, Cal.
6PV	H. C. Hammerly	527 Merrimac St., Oakland, Cal.
6PW	P. S. Wilson	136 Calne Ave., San Francisco, Cal.
6PX	F. J. Barly	525 Manila Ave., Oakland, Cal.
6PY	P. Bowers	364 Santa Clara St., Oakland, Cal.
6PZ	H. P. Noak	309 Perry St., Oakland, Cal.
6QA	J. R. Dolg	4437 View St., Oakland, Cal.
6QB	A. M. Burgess	8125 Geary St., San Francisco, Cal.
6QC	Polytechnic Radio Club	Frederick St., San Francisco, Cal.
6QD	W. Uecker	3590 Lincoln Ave., Alameda, Cal.
6QE	H. R. Shaw	807 California St., San Francisco, Cal.
6QF	F. Schack	1014 Castro St., Oakland, Cal.
6QG	A. R. Montgomery	512 E. Ninth St., Los Angeles, Cal.
6QH	P. Lifschitz	1257 Guerrero St., San Francisco, Cal.
6QI	K. W. Jeffries	Rt. 1 Box 180, Monrovia, Cal.
6QJ	F. H. Riskey	278 Molina Ave., Long Beach, Cal.
6QK	R. H. Bell	482 Callish St., Fresno, Cal.
6QL	G. M. Pitter	2016 P. St., Sacramento, Cal.
6QM	G. E. Conner	Lewiston, Cal.
6QN	Van Fleet Electric Co.	642-4th, Santa Rosa, Cal.
6QO	G. N. Weeks	1535 F. 38th St., Oakland, Cal.
6QP	R. J. Stinson	Ross, Cal.
6QQ	F. B. Beheer	241 Kallma St., San Diego, Cal.
6QR	G. M. Lewis	221 West St., Reno, Nev.
6QS	L. Lever	1515 Shattuck Ave., Berkeley, Cal.
6QT	K. Whson	1801 Vine St., Berkeley, Cal.
6QU	J. Pickard	660-19th St., Richmond, Cal.
6QV	H. B. Watsson	110 Los Robles Ave., Pasadena, Cal.
6QW	The Radio Shop	121 E. San Fernando St., San Jose, Cal.
6QX	C. V. Welch	Tonnanah, Nev.
6QY	F. Chase	24 Walnut Ave., Santa Cruz, Cal.
6QZ	C. R. Tinsley	3017 Wheeler St., Berkeley, Cal.
6RA	D. P. Jones	620 Marinosa St., Oakland, Cal.
6RB	V. Psiffer-G. Cooney	Box 210 Rt. A., Los Gatos, Cal.
6RD	D. L. Snow	3700 Fourth St., Sacramento, Cal.
6RE	R. Flycare	2421 Jefferson Ave., Ogden, Utah
6RF	Richard White	435 Oakland Ave., Pasadena, Cal.
6RG	A. H. Brolly	R. F. D. Box 42, Saratoga, Cal.
6RH	H. Lander	6 Ord Court, San Francisco, Cal.
6RJ	F. Manzelsdorf	248-12th Ave., San Francisco, Cal.
6RK	L. Bradshaw	1601 Hyda St., San Francisco, Cal.
6RL	H. Bryant	Redwood City, Cal.
6RM	D. B. McKae	2730-13th St., Salt Lake City, Utah
6RN	J. B. Henry	1199 Oak Knoll Ave., Pasadena, Cal.
6RO	R. G. Nelfert	Box 26, Orange, Cal.
6RP	F. W. Sloan	1145 K St., San Diego, Cal.
6RQ	Chas. L. Corannon	620 Sixth St., Richmond, Cal.
6RR	Dr. C. P. Ballard	415 N. Gower, Los Angeles, Cal.
6RS	K. Larson	208 N. Bright Ave., Whittier, Cal.
6RT	C. E. Espinosa	1909 Filbert St., Oakland, Cal.
6RV	R. F. Hubbard	3124 Moore St., San Diego, Cal.
6RW	R. W. Wiley	4286 Hillcrest Ave., Oakland, Cal.
6RX	H. O. Holte	1250-26th Ave., San Francisco, Cal.
6RY	W. L. Swanson	2302 Dwight Way, Berkeley, Cal.
6RZ	G. Marden	1044-18th St., Oakland, Cal.
6SA	Fred P. Stone	3340 N. Chicago Av., Los Angeles, Cal.
6SB	Thos. Greene, Jr.	1513 First St., Arcata, Cal.
6SC	E. M. Sargent	Forestville, Cal.
6SD	L. Faheart	1200 Franklin St., Oakland, Cal.
6SE	E. W. DeHall	2607 Merced St., Los Angeles, Cal.
6SF	C. A. Schneider	642 Sierra St., Los Angeles, Cal.
6SG	R. M. Dinsdale	8363 Weber Ave., Stockton, Cal.
6SH	J. W. Bowers	Box 30 Woodland, Cal.
6SI	Louis Rogers	Weaverville, Cal.
6SJ	S. E. Saville	644 Fourth St., Richmond, Cal.
6SK	I. I. Aufdekamp	1387 Stratford St., Salt Lake City, U.
6SL	A. Pauli	Forest Ave., Laguna Beach, Cal.
6SM	S. Mitchell	753 Laguna St., San Francisco, Cal.
6SN	H. W. Diekov	629 Sycamore St., Oakland, Cal.
6SP	J. Szukowski	251 Duboce Ave., San Francisco, Cal.
6SQ	C. J. Lutgen	5603 Mission St., San Francisco, Cal.
6SR	Herbert Hoover, Jr.	2520 Webster St., Berkeley, Cal.
6SS	H. Christenson	Stanford University, Cal.
6ST	Frank Flowers	707 Palim Ave., Burbank, Cal.
6SU	H. R. Fitch	214 McHenry St., Modesto, Cal.
6SV	C. A. Adams	R. F. D. No. 6, Stockton, Cal.
6SW	C. S. Helzer	1376-12th St., Oakland, Cal.
6SX	Lee Nickels	1318-12th St., Oakland, Cal.
6SY	D. W. P. Larnach	1946 Makiki St., Honolulu, T. H.
6SZ	E. E. Young	1128 Clarendon Crescent, Oakland, Cal.
6TA	A. H. Babcock	227 Piedmont Ave., Berkeley, Cal.
6TB	William Burer	741 E. 25th St., Los Angeles, Cal.
6TC	W. C. Rathbun	Colusa, Cal.
6TD	N. Martin	1815 Virginia Ave., Berkeley, Cal.
6TE	R. Rhoades	2812 Piedmont Ave., Berkeley, Cal.
6TF	W. M. Berg	806 W. E. St., Ontario, Cal.
6TG	R. D. Stott	Ojai, Terr. Hawaii
6TH	J. M. Glessner	2637 1/2 Piedmont Ave., Berkeley, Cal.
6TI	J. H. Grear	414 Fairmont St., Oakland, Cal.
6TJ	R. B. Ayres	292 Jayne St., Oakland, Cal.
6TK	E. Greensfelder	106 Third Ave., San Francisco, Cal.
6TL	J. M. Bolwes	415 N. Mott St., Los Angeles, Cal.
6TM	W. Mayo	1015 Clayton St., San Francisco, Cal.
6TN	C. A. Cushing	Pioneer Ave., Sandy, Utah
6TO	W. F. Davis	3137 Townsend St., Fresno, Cal.
6TP	W. Lacabanno	54 Carl St., San Francisco, Cal.

6TQ	K. A. Cantin	1592 Pihoti St., Honolulu, T. Hawaii
6TR	C. H. Cannon	367 Fourth Ave., San Francisco, Cal.
6TS	W. Paladini	540 Clay St., San Francisco, Cal.
6TT	Associated Radio Amateur	2960 Linden Ave., Berkeley, Cal.
6TU	R. B. Cole	16 Ellenwood Ave., Los Gatos, Cal.
6TV	C. C. Whysall	Hermades & Ellenwood, Los Gatos, Cal.
6TW	W. W. Hann	1258 Cypress Ave., San Diego, Cal.
6TX	R. M. Thacker	Baldwin Park, Cal.
6TY	L. A. Gahlin	845 Crenshaw Rd., Los Angeles, Cal.
6TZ	E. Greengratt	616 W. San Carlos St., San Jose, Cal.
6VA	M. H. Jones	Dewey, Utah
6VB	C. V. Welch	209 Elm St., Hanford, Cal.
6VC	L. C. Beckman	522 E. 11th St., Hanford, Cal.
6VD	A. A. Heer	1400 Jones St., San Francisco, Cal.
6VE	Alvin McBurney	37 Greenbank Ave., Piedmont, Cal.
6VF	S. R. Cook	College of the Pacific, San Jose, Cal.
6VG	R. H. Grunbaum	336 Olive St., Piedmont, Cal.
6VH	L. Merrill	3126 Elm St., Oakland, Cal.
6VI	St. George Pope	835 Walker Ave., Oakland, Cal.
6VJ	F. Howard	4103 Emerald St., Oakland, Cal.
6VK	J. Huston	345 N. First St., Phoenix, Ariz.
6VL	Radio Shop	Sunnyvale, Cal.
6VM	W. H. Yeaw	R. F. D. 4, Sacramento, Cal.
6VN	F. Arberger	1354 Grove St., Alameda, Cal.
6VO	C. E. Newcombe	Main St., Yerington, Nev.
6VP	A. E. Harris	200 E. Santa Barbara, Los Ang., Cal.
6VQ	C. Thompson	1896-15th St., San Francisco, Cal.
6VR	R. Maxson	486 Eddy St., San Francisco, Cal.
6VS	C. E. Larson	1904 Filbert St., Oakland, Cal.
6VT	E. Blom	525 Pacific St., Alameda, Cal.
6VU	A. P. Pendleton	2240 California St., San Fran., Cal.
6VV	I. Farwell	Broadway St., Los Gatos, Cal.
6VW	A. Phillips	1333A Stevenson St., San Fran., Cal.
6VX	H. F. Wirth	3757 Dalton Ave., Los Angeles, Cal.
6VY	A. T. Fisher	573 Scott St., San Francisco, Cal.
6VA	L. Cornwell & J. Cape	1138 Michigan St., Salt Lake City, U.
6VB	E. Anderson	1371 Sixth St., San Francisco, Cal.
6VC	M. Umbrico	2528 Market St., Oakland, Cal.
6VD	H. R. Drake	583 Colby St., Oakland, Cal.
6VE	E. Kluss	414 Moss Ave., Oakland, Cal.
6VF	L. Giannini	561 Brussels St., San Francisco, Cal.
6VG	L. S. Butler	2926 J St., San Diego, Cal.
6VH	H. J. McCove	1365 Adeb St., Berkeley, Cal.
6VI	D. M. Whirlie	5344 Cory St., Oakland, Cal.
6VJ	Boy Scouts	Delmar, Cal.
6VK	D. O'Brien	843 Polirier St., Oakland, Cal.
6VL	Boys Headquarters	Balboa Park, San Diego, Cal.
6VM	P. Parsons	633 Middlefield Rd., Palo Alto, Cal.
6VN	C. L. Johnson	2104 Prince St., Berkeley, Cal.
6VO	H. C. Crawford	800 S. Central Ave., Glendale, Cal.
6VP	E. C. Davis	1009 Diamond St., San Francisco, Cal.
6VQ	L. McMahon	911 Rand St., Sacramento, Cal.
6VR	H. B. Ozle, care S. C. D. Co.	Route No. 1, Edison, Cal.
6VS	J. C. Chez, Jr.	818-24th St., Ogden, Utah
6VT	W. C. Thompson	102 Lincoln Ave., Long Beach, Cal.
6VU	A. M. Knox	7245 Franklin St., Hollywood, Cal.
6VV	L. Kilgore	1428 W. 45th St., Los Angeles, Cal.
6VW	B. Rosenberg	240 Richland Ave., San Francisco, Cal.
6VX	A. A. Hunt	122 Market St., Los Gatos, Cal.
6VY	T. E. Stimson, Jr.	4533 Marmion Way, Los Angeles, Cal.
6VZ	C. Burrows	103 W. Pleasant St., Santa Paula, Cal.
6WA	T. F. Blackburn	1719 Gardner St., Los Angeles, Cal.
6WB	G. Barnes	725 N. Fourth, Reno, Nev.
6WC	R. Barrow	7618 Hollywood Bd., Los Angeles, Cal.
6WD	A. H. Hart	2579-31st Ave., San Francisco, Cal.
6WE	R. Dobson	957 Elden Ave., Los Angeles, Cal.
6WF	G. Harrison	7 Cabrillo St., Palo Alto, Cal.
6WG	W. Housinger	1412-10th St., Sacramento, Cal.
6WH	R. Ward	170 Arlington Ave., Pasadena, Cal.
6WI	G. Albee	1241-W. 40th, Los Angeles, Cal.
6WJ	G. Bourgington	198 Johnson Ave., Santa Clara, Cal.
6WK	L. Fell	2044 India St., San Diego, Cal.
6WL	C. F. Muncy	2133 Grant St., Berkeley, Cal.
6WM	F. Ellert	325 E. St. James, San Diego, Cal.
6WN	B. Alexander	4340 Cleveland Ave., San Diego, Cal.
6WO	A. G. S. Leech	987-54th St., Oakland, Cal.
6WP	E. J. Irtum	1000-55th St., Oakland, Cal.
6WQ	G. Murray	1437 Hyde St., San Francisco, Cal.
6WR	A. Khosovan	484 S. Los Robles Av., Pasadena, Cal.
6WS	C. Whalen	163 S. Pacific Bd., Hunt'gton Pk., Cal.
6WT	C. Sutherland	340 Moran St., Reno, Nev.
6WU	C. Richardson	406 W. 28th St., Los Angeles, Cal.
6WV	J. L. Roberts	3450 Iowa St., Fresno, Cal.
6WW	N. Lewis, Jr.	2666 Orchard St., Los Angeles, Cal.
6WX	R. C. Tavers	2830-11th Ave., Oakland, Cal.
6WY	B. Fensky	689-62d, Oakland, Cal.
6WZ	R. W. Otto & F. L. Wisner	1908 Chestnut St., Berkeley, Cal.

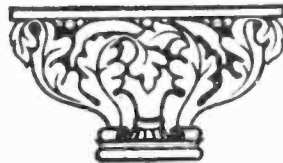
## Special Radio Stations of the Sixth District

6XA	H. H. Hyder	1304 Versailles St., Alameda, Calif.
6XAA	Pacific Tel. & Tel. Co.	San Francisco, Cal.
6XAB	C. B. Kennedy Co.	San Francisco, Cal.
6XAC	C. B. Kennedy Co.	Los Gatos, Cal.
6XAD	L. Mott	Avalon, Cal.
6XAE	Radio Telephone Shop	175 Stewart St., San Francisco, Cal.
6XAF	Pacific Tel. & Tel. Co.	479 Cheny Ave., Oakland, Cal.
6XAG	Radio Shop	Sunnyvale Ave., Sunnyvale, Cal.
6XAH	A. Wade, Jr.	465 N. Lake St., Los Angeles, Cal.
6XAJ	Preston D. Allen	Oakland, Calif.
6XAK	L. J. Meyberg Co.	Los Angeles, Cal.
6XAL	A. H. Cohen	1440-29th Ave., Oakland, Cal.
6XAM	S. W. Warner	2201 Telegraph Ave., Honolulu, T. H.
6XAP	The Electric Shop	Honolulu, T. H.
6XAQ	L. B. Benjamin	140 S. Oxford, Los Angeles, Cal.
6XAR	Great Western Radio Corp.	San Francisco, Cal.
6XAS	B. E. Sawyer	458 S. Spring St., Los Angeles, Cal.
6XAU	Wilson McGuire Co.	1004 Treat Ave., San Francisco, Cal.
6XAY	C. R. Tinsley	3017 Wheeler St., Berkeley, Cal.
6XAZ	J. D. McKee	464 California St., San Francisco, Cal.
6XC	Atlantic-Pacific Radio Sup. Co.	San Francisco, Cal.



6XD Western Radio Elec. Co.....Los Angeles, Calif.  
 6XE Charles D. Herrold.....San Jose, Calif.  
 6XF Herrold Laboratories.....San Jose, Cal.  
 6XG Leo J. Meyberg Co.....San Francisco, Calif.  
 6XH Herbert Hoover, Jr.....Stanford University  
 6XI S. G. McMeen.....683 Los Robles Ave., Pasadena, Cal.  
 6XJ Dean Farran.....1410 S. Van Ness Ave., Los Ang., Cal.  
 6XK B. F. McNamee.....2436 Stewart St., Berkeley, Cal.  
 6XL General Petroleum Lab.....2525 E. 37th St., Los Angeles, Cal.  
 6XM University Cal., Dept. Physics..Berkeley, Cal.  
 6XN Dr. A. E. Banks.....San Diego, Cal. (Portable)  
 6XO Radio Specialty Shop.....Oakland, Cal.  
 6XP Moorehead Laboratories.....Mission St., San Francisco, Cal.  
 6XQ Southern Cal. Edison Co.....Los Angeles, Cal.  
 6XR Altadena Radio Laboratory.....Altadena, Cal.  
 6XS R. B. Ashbrook.....San Gabriel, Calif.  
 6XT Baruch Research Laboratories...San Francisco, Calif.  
 6XU San Joaquin L. & P. Corp.....Fresno, Cal.  
 6XV Federal Telegraph Co.....Palo Alto, Cal.  
 6XW Hall Berringer.....637 S. Hope St., Los Angeles, Cal.  
 6XX Unassigned.....  
 6XY E. C. Anthony.....1000 S. Hope St., Los Angeles, Cal.  
 6XZ R. D. Whitacre & L. D. Wilson...417 E. Speedway, Tucson, Ariz.  
 6YA Y. M. C. A. Radio School.....715 S. Hope, Los Angeles, Cal.  
 6YB University of Arizona.....Tucson, Ariz.  
 6YC University of Redlands.....Redlands, Cal.  
 6YK Benson Polytecnic School.....Portland, Ore.  
 6YP University of Arizona.....Tucson, Ariz.  
 6ZA Ira Johnson Kaar.....243 E. 7th St., Salt Lake City, Utah  
 6ZAA E. G. Arnold.....747 Ottawa St., Los Angeles, Cal.  
 6ZAB S. Peterson and Hal Shaw.....San Francisco, Calif.  
 6ZAC C. J. Dow.....Walluku, Hawaii  
 6ZAD J. Mahler, Jr.....P.O. Box 391, Sunnyvale, Cal.  
 6ZAE C. F. Elferle.....1045-83rd Ave., Oakland, Cal.

6ZAF A. H. Babcock.....65 Market St., Berkeley, Cal.  
 6ZAG Clyde C. Young.....San Francisco, Calif.  
 6ZAH Boy Scouts of America.....Camp Lilienthal, San Francisco, Cal.  
 6ZAI Boy Scouts of America.....San Francisco, Cal.  
 6ZAJ M. S. Andelin.....Richfield, Utah  
 6ZAK Charles E. Blalock.....Yuma, Ariz.  
 6ZAL O. S. Garretson.....Eagle Rock City, Cal.  
 6ZAM Oliver S. Garretson.....Eagle Rock, Cal.  
 6ZAN W. G. Garner.....Ogden, Utah  
 6ZAO W. G. Garner.....Ogden, Utah  
 6ZAP Dr. A. E. Banks.....1648 Neale St., San Diego, Cal.  
 6ZB Dr. J. E. Ellis.....Cocitise, Ariz.  
 6ZC R. M. Willmoth & H. Rawls...Phoenix, Ariz.  
 6ZD D. B. McGown.....1247-47th Ave., San Francisco, Cal.  
 6ZE Wm. W. Lindsay.....P. O. Box 643, Reedley, Calif.  
 6ZF F. W. Van Why.....2012 N. Broadway, Los Angeles, Cal.  
 6ZG Lester Pickler.....San Ysidro, Cal.  
 6ZH R. S. Rheem.....478 Orchard St., Oakland, Calif.  
 6ZI A. L. Musiz.....1017 Tribune St., Redlands, Cal.  
 6ZJ A. E. Bessey.....Sunnyvale, Cal.  
 6ZK A. M. Marquis.....649 First Ave., Yuma, Ariz.  
 6ZL The Desert News.....Salt Lake City, Utah  
 6ZM R. H. Dennis & C. A. Tayler...425 Chatsworth Dr., San Fernando, Cal.  
 6ZN H. S. Beedle.....97 Bell St., Reno, Nev.  
 6ZO V. L. Wismer.....1906 Chestnut St., Berkeley, Cal.  
 6ZP H. Berringer-E. G. Arnold...8th & Broadway, Los Angeles, Cal.  
 6ZQ L. Winsler.....200-22nd St., Bakersfield, Cal.  
 6ZR Art Johnson.....Fair Grounds, Salt Lake City, Utah  
 6ZS L. E. Martini.....100 Olive Ave., Fresno, Cal.  
 6ZT Julian G. McCollun.....1922 S. 10th St., Salt Lake City, Utah  
 6ZU H. R. Shaw.....987 California St., San Francisco, Cal.  
 6ZV J. V. Wise.....Walnut Grove, Cal.  
 6ZX T. A. Marshall.....242D Kaulani Ave., Honolulu, Hawaii  
 6ZY H. L. Goodin.....Bisbee Highway (near Douglas), Ariz.  
 6ZZ



## IMPORTANT NOTICE



HE information in this book was compiled from official Radio Inspectors' Office Records. If you are not listed correctly, if your name or address is incorrect, or if you see any others, not your own, listed incorrectly, if you will drop us a postal card, we will make the change. However, we cannot do this without your co-operation in notifying us. A 100 per cent correct book is our aim.

## TO WESTERN FANS.

Did you know that some of the World's Finest radio equipment is being made right here in

**PORTLAND, OREGON?**

As Distributors For

**NORTHWESTERN RADIO MFG. CO.**

We want you to ask us for further particulars on our "S R 25" RECEIVER—Transformers, Couplers, Variometers, Detectors, Amplifiers, etc.

WE ALSO DISTRIBUTE THE FAMOUS

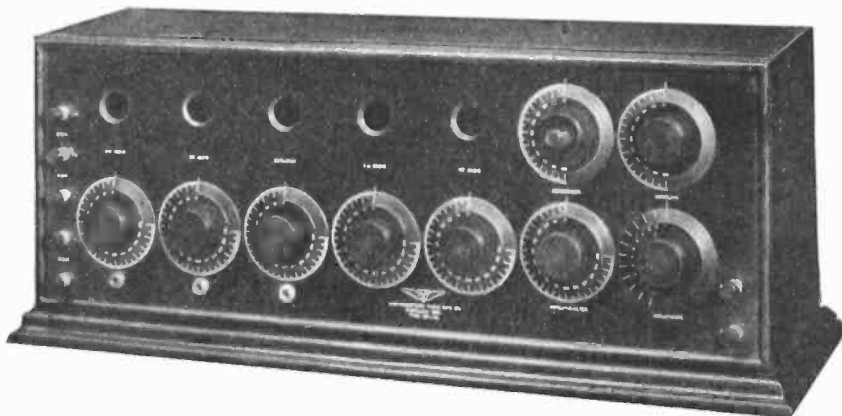
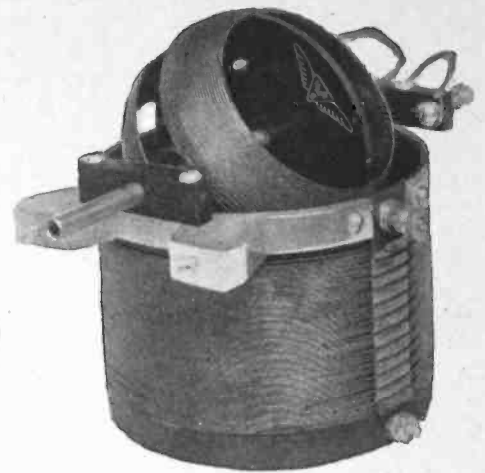
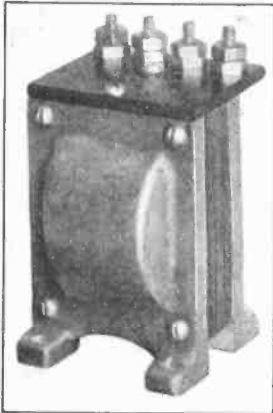
**FEDERAL, KELLOGG, JEWELL, WESTERN ELEC.  
AND MANY OTHER LINES**

**HALLOCK & WATSON RADIO SERVICE**

192 Park St.

"KGG"

Portland, Ore.



"Northwestern Type SR-25"  
2 Radio—Detector—2 Audio

### A Perfected Radio Frequency Receiver

There is no secret to instruments which are the acme of efficiency, simplicity, and beauty.

Northwestern instruments are based upon sound fundamental principles.

Ask your dealer to demonstrate a NORTHWESTERN SR-25 at your home.

**Northwestern Radio Manufacturing Co.**

**1556 East Taylor Street**

**Portland,**

**Oregon**

DEALERS: The Northwestern has interesting proposition to make to dealers.

Write for circular.

# Amateur Radio Stations of the Seventh District

Headquarters, Federal Building, Seattle, Washington. The seventh district comprises the States of Oregon, Washington, Idaho, Montana, Wyoming and the territory of Alaska.

7AA	E. E. Kenfro	7319—48th Ave., S., Seattle, Wash.	7AEA	W. S. Robinson	Oak Grove, Ore.
7AAB	J. F. Wise	607 N. Cottage Grove Ave., Miles City, Mont.	7AEB	A. C. Hargrave	1962 Oak Street, Hillsboro, Ore.
7AAC	Dick Wimpy	1618 E. 3d St., Spokane, Wash.	7AEC	R. S. Connell	1009 4th Street, Hillsboro, Ore.
7AAD	Hermon Semenov	549 E. 26th St., Portland, Ore.	7AED	James Gaffney	15092 N. 49th St., Seattle, Wash.
7AAE	A. C. Doty	26—30th St., Corvallis, Ore.	7AEE	R. J. Murray	6521 17th Ave., N. E., Seattle, Wash.
7AAF	Ray Davies	3827 S. 9th St., Tacoma, Wash.	7AEF	W. B. Barnes	1545 Main St., Hillsboro, Ore.
7AAG	T. E. Palne	Leavenworth, Wash.	7AEG	E. B. Craney	E. 324 Nora Ave., Spokane, Wash.
7AAH	P. Mac Cormac	303 W. Pacific St., Spokane, Wash.	7AEH	M. C. Lane	Eugene, Ore.
7AAI	H. Livingston	1201—25th Ave., N., Seattle, Wash.	7AEI	John Bean	978 High St., Eugene, Ore.
7AAJ	R. E. Ring	207 Vista St., Ashland, Ore.	7AEJ	R. C. Beam	Meridian, Idaho
7AAK	W. C. Lester	Warrenton, Ore.	7AEEK	Tom Morgan	1116 Fort St., Boise, Idaho
7AAL	F. L. Daris	404 Yakima St., Wenatchee, Wash.	7AEL	G. A. Bloomstrom	Meridian, Idaho
7AAM	J. A. Renhard	Colton, Ore.	7AEM	C. W. Eckhardt	1116 Fort St., Boise, Idaho
7AAN	P. H. Kemp	873½ E. Oak St., Portland, Ore.	7AEN	William Forbis	Dilley, Ore.
7AAO	Robert Clark	P. O. Box 276, Bremerton, Wash.	7AEO	E. L. W. Conley	629 E. Belmont St., Portland, Ore.
7AAP	El. Horsfall, Jr.	403 18th Ave., N., Seattle, Wash.	7AEP	R. C. Smith	Enumclaw, Wash.
7AAQ	R. E. Fleming	1615 Harrison St., Seattle, Wash.	7AEP	C. M. Lockwood	2117 S. 12th St., Salem, Ore.
7AAR	C. R. Whitcomb	1555 Monroe St., Corvallis, Ore.	7AER	Nelson Cooper	612—2d Ave. S., Glasgow, Mont.
7AAS	T. A. Fraser	320 Power St., Helena, Mont.	7AES	F. A. Riebe	Eastside, Ore.
7AAT	C. E. Rodman	Mayhew St., Sunnyside, Wash.	7AET	F. L. Kellogg	Y Hut. O.A.C. Campus, Corvallis, Ore.
7AAU	R. W. Hurd	505 King St., Aberdeen, Wash.	7AEU	F. B. Craig	4711—73d St. S.E., Portland, Ore.
7AAV	K. E. Fitch	115 S. Mission St., Wenatchee, Wash.	7AEV	C. N. Johnston	218 W. 26th St., Cheyenne, Wyo.
7AAW	S. C. Jayne	808 W. 13th St., Spokane, Wash.	7AEW	L. H. Straln	6025 Warner St., Tacoma, Wash.
7AAX	A. W. Witherow	4711 Densmore St., Seattle, Wash.	7AEX	F. B. Harwood	1550 E. Garfield St., Seattle, Wash.
7AAY	M. L. Flengstad	443 15th St., Bellingham, Wash.	7AEY	C. R. Krause	1008 Logan St., Helena, Mont.
7AAZ	W. E. Campbell	R. F. D. 2, Wenatchee, Wash.	7AEZ	C. A. Johnson	2637 E. Helen St., Seattle, Wash.
7AB	D. F. Crab	2146 N. 69th St., Seattle, Wash.	7AF	John W. Huntley	314 N. Denver St., Spokane, Wash.
7ABA	F. L. Gilchrist	E. 3226 5th Ave., Spokane, Wash.	7AFA	G. A. Wurtz	Hanford, Wash.
7ABB	C. E. Kick	3802 Hoyt Ave., Everett, Wash.	7AFB	Emmett Hughes	112 L. St., Hoquiam, Wash.
7ABC	V. W. Burlingame	1905 3rd Ave., N., Great Falls, Mont.	7AFC	J. H. Heldegger	1020 N. K St., Aberdeen, Wash.
7ABD	D. G. Hamrick	7151 4th Ave., S. W., Seattle, Wash.	7AFD	M. R. Miller	408 Monroe St., Corvallis, Ore.
7ABE	F. B. Harper	9730 13th Ave., S. W., Seattle, Wash.	7AFD	R. H. Rowntree	3156 E. Laurelhurst Dr., Seattle, Wn.
7ABF	R. H. Flagler	809 E. 62nd St., Seattle, Wash.	7AFE	R. A. MacMillan	686 Grove St., Lebanon, Ore.
7ABG	M. W. Belscher	1011 E. Jefferson St., Boise, Ida.	7AFG	Fred'k Huntington	2410 Simpson Ave., Hoquiam, Wash.
7ABH	Karled Jenkins	444 N. Conant St., Burley, Ida.	7AFH	A. S. Keller	Box 183, Monroe, Wash.
7ABI	R. M. Hess	443 14th Street, Bellingham, Wash.	7AFI	Lawrence Smith	839 Glenn Ave., Portland, Ore.
7ABJ	R. T. Carr	N. 119 Post St., Spokane, Wash.	7AFJ	E. M. Lindberg	816 Puget St., Olympia, Wash.
7ABK	D. L. Woodward	University St., Eugene, Ore.	7AFK	R. M. Cheal	1st St., Albany, Ore.
7ABL	E. H. Bryan	916 E. 33rd Ave., Spokane, Wash.	7AFL	E. H. Nelson	3d & Tower Sts., Montesano, Wash.
7ABM	C. F. Mancke	E. 513 Bridgeport Av., Spokane, Wash.	7AFM	T. A. Brink	Eight Point, Mont.
7ABN	J. H. Anderson	619 Summit Ave., Seattle, Wash.	7AFN	G. P. Beckett	3323 S. 10th St., Tacoma, Wash.
7ABO	E. E. Storrs	228 Chelan St., Wenatchee, Wash.	7AFO	R. G. Olson	3223 S. 7th St., Tacoma, Wash.
7ABP	J. C. Gregory	4th & D Sts., Douglas, Ariz.	7AFP	M. W. Buebling	201 S. Hauser St., Red Lodge, Mont.
7ABQ	K. M. Stimpson	Gaston, Ore.	7AFQ	R. B. Dickinson	R. 1, Box 13, Coupeville, Wash.
7ABR	O. K. Hawley	1604 E. 10th St., Olympia, Wash.	7AFR	J. E. Wallan	1645 Wall St., Montesano, Wash.
7ABS	W. L. Smith	634 Commercial St., Portland, Ore.	7AFS	V. S. Mathews	Montesano, Wash.
7ABT	Gerald Brill	2932 Dean St., Spokane, Wash.	7AFT	Ben Buell	Hunts Point, Wash.
7ABU	Leno Nelson	16th Ave. & 11th St., Seaside, Ore.	7AFU	Darwin Swanson	Columbus, Mont.
7ABV	W. R. Wood	711 Boston St., Bremerton, Wash.	7AFV	K. R. Bendetson	209 W. 5th St., Aberdeen, Wash.
7ABW	E. H. Bailey	721 Gregory Way, Bremerton, Wash.	7AFW	R. A. Howell	Box 131, Worland, Wyo.
7ABX	G. C. Stocking	689 E. Alder St., Portland, Ore.	7AFX	F. R. Butts	2011 Atlantic St., Spokane, Wash.
7ABY	J. M. Ahearn	408 N. Main St., Milton, Ore.	7AFY	C. T. Hurd	127—12th St., Corvallis, Wash.
7ABZ	C. R. Stegel	912 Broadway, Helena, Mont.	7AFZ	H. W. Lambert	Camp Lewis, Wash.
7AC	V. I. Kraft	6838—19th Ave. N.E., Seattle, Wash.	7AG	Wm. Brueggeman	5549 Holly St., Seattle, Wash.
7ACA	P. Comings	712—4th St., Bremerton, Wash.	7AGA	J. R. Winn, Jr.	514 Lakeside Ave. S., Seattle, Wash.
7ACB	R. J. Spragg	Brush Prairie	7AGB	C. G. Pierce	1586 Fiske St., Portland, Ore.
7ACC	W. B. Franson	1515 3rd Ave., N., Great Falls, Mont.	7AGC	Philip Hoffman	Eureka, Wash.
7ACD	E. J. Gell	E. 1511 3rd Ave., Spokane, Wash.	7AGD	M. L. Edwards	104 E. Second St., Tillamook, Ore.
7ACE	D. T. Shaw	Emmett, Ida.	7AGE	B. Mitchell	515 Centre St., Salem, Ore.
7ACF	L. L. Peak	Buhl, Idaho	7AGF	F. W. Prince	P. O. Box 414, Troy, Mont.
7ACG	R. Thurnburgh	Forest Grove, Ore.	7AGG	D. P. Stegley	2712—10 Ave. N., Seattle, Wash.
7ACH	Arthur Keller, Jr.	729 11th Ave., Helena, Mont.	7AGH	H. O. Colburn	115 E. Taylor St., Portland, Ore.
7ACI	G. B. Horne	2204 Fairmont Ave., Seattle, Wash.	7AGI	T. Rowe	3823 S. 9th St., Tacoma, Wash.
7ACJ	J. M. Kelly	711 N. Superior St., Spokane, Wash.	7AGJ	C. A. Backstrand, Jr.	104 E. 67th St. N., Portland, Ore.
7ACK	L. C. Troyer	1217 S. Adams St., Spokane, Wash.	7AGK	R. H. McCallister	414 E. 29th St. N., Portland, Ore.
7ACL	A. V. Kendall	Gray Avenue, Welsler, Ida.	7AGL	F. W. Hufsmith	563 Gy Ave., Casper, Wyo.
7ACM	C. S. Chapman	Cambridge, Wash.	7AGM	E. J. Willard	128 S. Pioneer Ave., Ashland, Ore.
7ACN	D. D. Latourell	R. 3, Box 7, Salem, Ore.	7AGN	F. R. Buse	Box 255, West Linn, Ore.
7ACO	Watford Slee	714 Shannon Street, Spokane, Wash.	7AGO	F. R. Olson	122 N. Platte Ave., Red Lodge, Mont.
7ACP	N. M. Chambers	Rural Route 3, Eugene, Ore.	7AGP	Lawrence Bomser	Silverton, Ore.
7ACQ	E. M. Chambers	S. Chamber St., Eugene, Ore.	7AGQ	Jack Nance	2603 Dean St., Spokane, Wash.
7ACR	Robert Bruner	Goldendale, Wash.	7AGR	A. L. Estes	195 N. 23rd St., Salem, Ore.
7ACS	G. K. Burson	288 Broadway, Tekoa, Wash.	7AGS	R. Smith	E. 1708—3rd Ave., Spokane, Wash.
7ACT	E. C. Gould	1522—18th Ave., Seattle, Wash.	7AGT	L. R. Hecox	Belgrade, Mont.
7ACU	F. C. Gortler	265 Monroe St., Portland, Ore.	7AGU	L. H. Russell	Fruitland, Idaho
7ACV	C. O. Bishop	Zillah, Wash.	7AGV	W. E. Fowler	709 N. Cushman St., Tacoma, Wash.
7ACW	H. A. Hampton	1105 Cashmere St., Wenatchee, Wash.	7AGW	E. C. E. Austin	205 E. Flanders St., Portland, Ore.
7ACX	H. P. Meyers	755 Borthwick St., Portland, Ore.	7AGX	T. M. Gardner	401—21st Ave., Seattle, Wash.
7ACY	K. D. Ulberg	919—20th Ave., N., Seattle, Wash.	7AGY	R. L. Silva	6530—19th Ave. N.W., Seattle, Wash.
7ACZ	E. W. Baker	Cline Street, Port Orchard, Wash.	7AGZ	T. E. Erdmann	529 Karr Ave., Hoquiam, Wash.
7AD	F. J. Brott	2048-B 42d Ave. N., Seattle, Wash.	7AH	Clarence Benzon	3637—14th Ave., Seattle, Wash.
7ADA	L. Winkler	475 Emerson St., Portland, Ore.	7AHA	G. H. Jorgenson	Camp Lewis, Wash.
7ADB	Murvin Ray	S. 504 Helena St., Spokane, Wash.	7AHB	L. E. Schell	Talkeetan, Alaska
7ADC	G. M. Wagnon	1038—10th St. N.E., Portland, Ore.	7AHC	A. W. Mills	Riverton, Wyo.
7ADD	C. H. Austin	Bend, Ore.	7AHD	J. C. Carpenter	Arlington, Wash.
7ADE	Delworth Martindale	304 S. Hanson St., Burley, Idaho	7AHE	M. E. Parr	106 E. 4th St., Albany, Ore.
7ADF	H. J. Olschewsky	East Broad St., Montesano, Wash.	7AHF	W. W. Barney	Arlington, Wash.
7ADG	Russel Powell	739 Michigan St., Portland, Ore.	7AHG	L. A. Stone	2124 Young St., Bellingham, Wash.
7ADH	A. C. Thomas	302 L. Street, Portland, Ore.	7AHH	L. Craddock	E. 1023 Mission St., Spokane, Wash.
7ADI	G. H. Eberling	Dallas, Tex.	7AHI	A. L. Kuballo	4019—47th Ave. S.W., Seattle, Wash.
7ADJ	H. L. Towers	707 Broadalbin St., Albany, Ore.	7AHJ	O. Pence	5247 Brandon St., Seattle, Wash.
7ADK	F. M. Brill	1491 Height Ave., Portland, Ore.	7AHK	R. A. Garfield	679 E. 3d St., Bandon, Ore.
7ADL	D. D. Taylor	4416 30th Ave., W., Seattle, Wash.	7AHL	C. A. Perkins	216 W. 1st St., Moscow, Idaho
7ADM	Edward Harmon	1114 Division St., Portland, Ore.	7AHM	P. Jackson	Greenbank, Wash.
7ADN	G. E. Furber	Midland, Ore.	7AHN	G. A. Springer	837 Commercial St., Portland, Ore.
7ADO	L. B. Graham	E. 1643 Wellesley Ave., Spokane, Wash.	7AHO	G. Griffith	341 Haight St., Portland, Ore.
7ADP	R. D. Hoffman	4312 W. Findlay St., Seattle, Wash.	7AHP	W. M. Lembke	Medina, Wash.
7ADQ	Iver V. Iversen	4052 2nd Ave., N. W., Seattle, Wash.	7AHQ	R. Naser	1119—9th St., Anacortes, Wash.
7ADR	Alfred Roplak	1009 Soule Ave., Hoquiam, Wash.	7AHR	C. H. Churchill	Friday Harbor, Wash.
7ADS	J. F. McBride	320 Morris St., Portland, Ore.	7AHS	C. N. Layne	509 N. 9th St., Buhl, Idaho
7ADT	T. G. Thomson	1629 Pacific Ave., Spokane, Wash.	7AHT	S. F. Moughn	Leland, Wash.
7ADU	G. L. Learned	S. 4th Street, Montesano, Wash.	7AHU	V. H. Bogel	Glenrock, Wyo.
7ADV	George Carr	S. 707 Scott St., Spokane, Wash.	7AHV	J. Klely	1613 N. 9th St., Tacoma, Wash.
7ADW	F. D. Mac Rae	1629 Pacific Ave., Spokane, Wash.	7AHW	R. E. Walker	124 Oak St., Portland, Ore.
7ADX	S. E. Sanders	219 8th St., Albany, Ore.	7AHX	W. Shade	898 Garfield St., Portland, Ore.
7ADY	W. J. Young	6029 California Ave., Seattle, Wash.	7AHY	G. V. Coley	401 Columbus Ave., Goldendale, Wash.
7ADZ	E. M. McNelly	S. Church St., Montesano, Wash.	7AHZ	G. Watrous	Box 97, Junction City, Ore.
7AE	E. H. Forsman	2846 W. 73rd St., Seattle, Wash.	7AI	T. E. McMahon	6242 S. Mason St., Tacoma, Wash.
			7AIB	G. R. Topping	445 Dougis Ave., Bandon, Ore.
				H. Helgesen	315 E. Front St., Everett, Wash.



7A1C W. E. Start. 215-10th St., Vancouver, Wash.
7A1D R. B. Wilson. 1132 Highland Ave., Bremerton, Wash.
7A1E R. W. Haynes. 294 E. 32nd St., Portland, Ore.
7A1F L. V. White. 1010 Pacific Ave., Bremerton, Wash.
7A1G F. Aubel. 1509 N. 36th St., Seattle, Wash.
7A1H H. Smith. 3508 S. 14th St., Tacoma, Wash.
7A1I C. M. Hammond. 2901 N. 19th St., Tacoma, Wash.
7A1J H. J. Holt. 806 Sheridan Ave., Tacoma, Wash.
7A1K H. T. Fitch. 215-15th St., Astoria, Ore.
7A1L R. D. Willey. 2717 N. Yakima Ave., Tacoma, Wash.
7A1M M. E. McCulloch. 814 S. 15th St., Tacoma, Wash.
7A1N E. M. Anderson. 707 Mill St., Milton, Ore.
7A1O Edwin Gray. 908-7th St., Anacortes, Wash.
7A1P William Hanley. 1169 Moore St., Portland, Ore.
7A1Q Louis Bankhead. 1120-38th Ave. N., Seattle, Wash.
7A1R M. A. Ardmore. 207 W. Broadway, Butte, Mont.
7A1S J. A. Keho. 917 N. 2d St., Tacoma, Wash.
7A1T Thomas Sikora. Box 69, No. 2, Wilwaukie, Ore.
7A1U Frank Wilson. Box 63, Enumclaw, Wash.
7A1V Earl Shepherd. R.F.D. 1, Waterloo, Ore.
7A1W W. B. Rich. 105 Laddington Ct., Portland, Ore.
7A1X D. P. Young. R.F.D. 1, Eugene, Ore.
7A1Y F. A. Mueller, Jr. 819 N. Emerson St., Wenatchee, Wash.
7A1Z F. L. Gould. Basin, Wyo.
7AJ F. B. Mossman. 3015 N. 26th St., Tacoma, Wash.
7AJA Joseph Murray. 4519 S. G St., Tacoma, Wash.
7AJB L. R. Northrop. 607 E. Taylor St., Portland, Ore.
7AJC A. C. Campbell. 2557-14th Ave., Seattle, Wash.
7AJD L. E. Crouter. Y. M. C. A., Billings, Mont.
7AJE John Woodyard. Y. M. C. A., Yakima, Wash.
7AJF C. E. Jones. 319 N. 6th St., Yakima, Wash.
7AJG J. A. Cowan. Federal Bldg., Bozeman, Mont.
7AJH Garnied Radio Club. 24th & E. Jefferson St., Seattle, Wash.
7AJI R. B. Curmatt. 703-9th Ave. S., Great Falls, Mont.
7AJJ F. J. Todd. 812 N. Anderson St., Tacoma, Wash.
7AJK W. J. Lott. 3516 R. K. Ave. N.E., Seattle, Wash.
7AJL Arthur Allett. 509-28th Ave. N.W., Seattle, Wash.
7AJM Herbert Nelson. 6702-20th Ave. N.W., Seattle, Wash.
7AJN Everett France. 10318-57th Ave. S.E., Portland, Ore.
7AJO H. M. Nichols. 483 Vista Ave., Portland, Ore.
7AJP H. J. Unger. 443 E. 10th St. N., Portland, Ore.
7AJQ I. D. McCormach. 323 Madison St., Pendleton, Ore.
7AJR J. F. Byrne. 2014 E. Mercer St., Seattle, Wash.
7AJS D. W. Koss. 1373 E. Grant St., Portland, Ore.
7AJT J. E. Reetz. 679 Multnomah St., Portland, Ore.
7AJU R. C. Setterstrom. 1261 Boston St., Portland, Ore.
7AJV William McCready. R. 3, Vancouver, Wash.
7AJW J. P. Joubert. Enumclaw, Wash.
7AJX Kenneth Bailey. 1014-2d Ave., Great Falls, Mont.
7AJY Unassigned
7AJZ Dr. V. A. Clemens. Riverton, Wash.
7AK E. L. Wagner. 309 Jefferson St., Toppensh, Wash.
7AL W. F. Whitney. 204 S. 3d Ave., Bozeman, Mont.
7AM E. A. Harrington. 2848-66th St., Seattle, Wash.
7AN C. E. Williams. 8326-13th Av., N. W., Seattle, Wash.
7AO L. G. Haw. 1418 S. & Bayview, Seattle, Wash.
7AP T. T. Smith. 306 E. 75th St., Seattle, Wash.
7AQ P. B. Maglins. 384 S. 5th St., Marshfield, Ore.
7AR L. W. Matthews. 3214-2d Ave. N., Billings, Mont.
7AS Fred Eastman. 1506-28th Ave. W., Seattle, Wash.
7AT Carl Capelhart. 6314 S. Yakima Ave., Tacoma, Wash.
7AU J. L. Webster. 8538 Beach Drive, Seattle, Wash.
7AV L. F. Mahoney. 461 Schuyler St., Portland, Ore.
7AW B. C. Gomer. 3750 N. 30th St., Tacoma, Wash.
7AX B. W. R. Hagen. 101 S. 11th St., Yakima, Wash.
7AY Jesse F. Ives. 1942-4th Ave. W., Seattle, Wash.
7AZ Clifford Huntley. 426-25th St., Vancouver, Wash.
7BA M. C. Richard. 3024 S. 9th St., Tacoma, Wash.
7BB W. E. Swartout. 533 Marion Ave., Portland, Ore.
7BC Neville R. Benoit. 5046 S. L St., Tacoma, Wash.
7BD G. E. Hart. Sumner, Wash.
7BE B. C. Barnes. 336-9th Ave., Eugene, Ore.
7BF Edward Reisman. 3110 Sunderland St., Seattle, Wash.
7BG K. W. Weingarten. 3229 N. 24th St., Tacoma, Wash.
7BH Clive Scott. 345 S. 14th St., Salem, Ore.
7BI Lester Smith. Tekoa, Wash.
7BJ George Sturley. 206 E. 17th St., Vancouver, Wash.
7BK Howard F. Mason. 3335-33d Ave., S., Seattle, Wash.
7BL A. C. Dalley. 1107 E. Denny Way, Seattle, Wash.
7BM J. E. Bower. 702 Harrison Ave., Helena, Mont.
7BN Albert Johnson. 3802-13th Ave., Seattle, Wash.
7BO R. E. Stuart. 212-6th St., Livingston, Mont.
7BP A. A. Willison, Jr. 765 Melrose Drive, Portland, Ore.
7BQ Everett Henry. 446 1/2 Larrabee St., Portland, Ore.
7BR E. N. Swan. 1461 Portsmouth Ave., Portland, Ore.
7BS O. J. Humphrey, Jr. 605 Boylston Ave. N., Seattle, Wash.
7BT E. McLaren. 229 N. 16th St., Portland, Ore.
7BU W. T. Reid. 5646-12th Ave. N.E., Seattle, Wash.
7BV C. Z. Kennedy. Kelso, Wash.
7BW P. W. Overstreet. R.F.D. 4, Miller St., Wenatchee, Wash.
7BX J. J. Toney. 5610-20th Ave. N.W., Seattle, Wash.
7BY R. E. Priebe. 3952 Edmunds St., Seattle, Wash.
7BZ Ernest O. Ribbins. 300 Fir St., Olympia, Wash.
7CA B. V. Lazott. 3316 R. R. Av., N. E., Seattle, Wash.
7CB Wilfred E. Dow. 2329 S. K St., Tacoma, Wash.
7CC F. C. Olney. Front St., Stanwood, Wash.
7CD E. C. Waugh. Willowa, Ore.
7CE W. C. Stewart. 907 Sumner St., Portland, Ore.
7CF Roy Alexander. 5946 S. K St., Tacoma, Wash.
7CG W. H. Miller. 521-11th Ave., S. Nampa, Idaho
7CH H. R. Roodhouse. 914-9th Ave., Nampa, Idaho
7CI Geo. B. Mers. 606-26th Ave., N., Seattle, Wash.
7CJ Herbert Anderson. 1221-35th Ave., Seattle, Wash.
7CK H. W. Woodmansee. Mesa, Idaho
7CL Wellington McMillan. 157 Harrison St., Seattle, Wash.
7CM W. R. Zinn. 4002-39th Av., S.W., Seattle, Wash.
7CN D. M. Rudig. Onalaska, Wash.
7CO R. B. Struble. E. 11th St., Red Lodge, Mont.
7CP E. G. Martin. 2315 N. Broadway, Seattle, Wash.
7CQ M. P. Kavanagh. 430 Bond St., St. Helens, Ore.
7CR R. T. Galyean. 460 Miller Ave., Portland, Ore.
7CS W. W. Wells. 328 N. 1st Ave., Marshfield, Ore.
7CT Paul Stoffel, Jr. Cashmere, Wash.
7CU Clyde Wood. 1801 Railroad Ave., Aberdeen, Wash.
7CV C. H. Hobert. 815 Columbia St., Vancouver, Wash.
7CW H. H. Schofield, Jr. 838 Skidmore St., Portland, Ore.
7CX L. A. Peek. 4916 Wallingford Ave., Seattle, Wash.
7CY Ben Crawford. 325 S. J St., Tacoma, Wash.
7CZ C. E. Fraer. 88 Park Ave., Marshfield, Ore.
7DA R. L. Cloud. 1418-5th St., Aberdeen, Wash.
7DB Frank Tovey. 1006 L St., S., Tacoma, Wash.
7DC J. A. Rutledge. 1035 Pacific Ave., Bremerton, Wash.
7DD E. C. Davis. 6919-30th Ave., S.E., Portland, Ore.
7DE E. M. Thornton. R.F.D. 3, Walla Walla, Wash.
7DF Roosevelt High School. 17th N.E. & 65th St., Seattle, Wash.
7DG W. H. Campbell. 1209 Franklin St., Boise, Idaho
7DH L. G. Van Slyke. Hyattville, Wyo.
7DI G. E. Williams. 817 Esser Ave., Aberdeen, Wash.

7DJ L. L. Stanley. 320 State St., Helena, Mont.
7DK C. F. Well. 1123 1/2-19th Ave. N., Seattle, Wash.
7DL Clark Moore. 211-14th St., Raymond, Wash.
7DM R. C. Boyd. 420 W. Main St., Helena, Mont.
7DN Forest Umphenour. 447-14th St., Bellingham, Wash.
7DO A. M. Hieron. 818 N. Commercial St., Salem, Ore.
7DP Geo. W. Cameron. 609-12th St., Portland, Ore.
7DQ R. R. Brand. 1303 Seneca St., Portland, Ore.
7DR Howard E. Baker. 2502-24th Ave. N., Seattle, Wash.
7DS D. E. Larson. 777-5th St., Astoria, Ore.
7DT R. P. E. Mortell. 102 W. Mercer St., Seattle, Wash.
7DU R. A. Waiser. 5926-44th Ave., S.W., Seattle, Wash.
7DV D. M. Long. 631 E. 68th St., N. Portland, Ore.
7DW L. N. Seger. 5635 S. L St., Tacoma, Wash.
7DX Frank Caivert. 4830 LeDroit Court, Seattle, Wash.
7DY R. L. Beach. 3615 Whitman Ave., Seattle, Wash.
7DZ M. A. Roth. 925 D St., Salem, Ore.
7EA N. A. Cloufelter. 1221 Madison St., Portland, Ore.
7EB A. C. Peterson, Jr. 125 E. 10th St., Pt. Angeles, Wash.
7EC E. R. Strausburg. 1030 Broadway, Salem, Ore.
7ED W. V. Kuss. 831 Michigan Ave., Portland, Ore.
7EE Vincent Potts. Enumclaw, Wash.
7EF H. B. Bogue. 115 W. 14th St., The Dalles, Ore.
7EG G. R. Stewart. W. 8th St., Ellensburg, Wash.
7EH E. K. Jodrell. 418-25th Ave., S., Seattle, Wash.
7EI W. B. Doty. 207 W. John St., Portland, Ore.
7EJ W. E. Gurley. Canby, Ore.
7EK Leslie Lunan. 806 S. M St., Tacoma, Wash.
7EL C. W. Mabbott. Stevensville, Mont.
7EM N. E. Klein. 524 Bartlett St., Medford, Ore.
7EN Bernard Altick. 1716 Ravenna Blvd., Seattle, Wash.
7EO H. T. Louis. Dayton, Ore.
7EP F. C. Driffeld. Unga, Alaska
7EQ L. E. Anderson. 2307 Oases Ave., Everett, Wash.
7ER Chas. M. Emigh. 1418 Walla Walla, Walla Walla, Wn.
7ES J. E. Parker. 5th Ave., KallsPELL, Mont.
7EU L. E. Kiley. 623 Boylston Ave., Seattle, Wash.
7EV Lester E. O'Brien. 1018 Birch St., Walla Walla, Wash.
7EW W. S. Palmer. 17 N. 2d St., Yakima, Wash.
7EX J. T. Pollanz. 318 S. 1st St., Mt. Vernon, Wash.
7EY C. N. Astua. 5th & E St., Ft. Angeles, Wash.
7EZ L. B. Starr. 1650 E. Terrace St., Eugene, Ore.
7FA Sberwood Goodwin. 1093-5th St., Eugene, Ore.
7FB R. H. Chaussee. 710 Nob Hill Ave., Seattle, Wash.
7FC L. S. Young. R. 1, Box 146, Enumclaw, Wash.
7FD Otto Jousou. 1055 Hancock St., Portland, Ore.
7FE F. T. Richards. 2621 Commodore Way, Seattle, Wash.
7FF G. B. McCullough. 6323-5th Ave., N.E., Seattle, Wash.
7FG Roy Field. 608 S. 2d St., Tacoma, Wash.
7FH K. C. Stone. 278 Baldwin St., Portland, Ore.
7FI D. W. Campbell. 204 Spaulding St., Pullman, Wash.
7FJ R. M. Kettinger. 314 W. 11th St., Vancouver, Wash.
7FK George Chun. 263-50th St., Portland, Wash.
7FL F. F. Gray. 1208-2d St., Butte, Mont.
7FM W. G. Shaw. 3114 S. 56th St., Tacoma, Wash.
7FN P. W. Lyndon. Waldport, Ore.
7FO Lloyd Wallgren. 2124 Wetmore Ave., Everett, Wash.
7FP A. G. Hanson. Enumclaw, Wash.
7FQ L. R. Goddard. 527 Water St., Tekoa, Wash.
7FR H. L. Jones. 1208 W. 7th St., Seattle, Wash.
7FS A. A. Webster. 7 S. Naches Ave., Yakima, Wash.
7FT Currie N. Teed. Kuna, Idaho
7FU Willis Oldfield. 1221 Colby Ave., Everett, Wash.
7FV W. Countryman. 2022 Oakes Ave., Everett, Wash.
7FW S. F. Gieb. 917 Lawrence St., Tacoma, Wash.
7FX A. C. Gordon. 964 E. 23rd St., N. Portland, Ore.
7FY H. C. Bristol. 726 Lovejoy St., Portland, Ore.
7FZ Earl Scott. 2621-4th Ave. S.W., Seattle, Wash.
7GA C. R. Beamer. 343 E. 35th St., Portland, Ore.
7GB C. E. Butler. 811 N. Anderson St., Tacoma, Wash.
7GC G. F. Faithfull. 826 N. Anderson St., Tacoma, Wash.
7GD J. M. Pearson. 740 Schuyler St., Portland, Ore.
7GE L. C. Maybee. 110 S. 7th St., Pasco, Wash.
7GF L. S. Dyer. 761-75th St., N., Seattle, Wash.
7GG G. D. Crockett. 1420 Hawthorne Ave., Portland, Ore.
7GH S. R. Custer. 919 N. Lawrence Ave., Tacoma, Wash.
7GI E. F. Barber. St. John, Wash.
7GJ P. V. Noorlin. 45-69th St., N. E., Portland, Ore.
7GK C. H. Linsley. 1249 Centre St., Evanston, Wyo.
7GL L. H. Harris. Camp Lewis, Wash.
7GM J. B. Hendry. 1407-32d Ave., Seattle, Wash.
7GN C. A. Newton. 3920 N. 26th St., Tacoma, Wash.
7GO C. R. Goodwin. 445 N. Commercial St., Salem, Ore.
7GP Allan Gunston. 903-6th St., Olympia, Wash.
7GQ M. D. Koupal. 610 W. 5th St., Eugene, Ore.
7GR C. R. Schrotke. Bothell, Wash.
7GS Lyle Evenson. 618 N. 79th St., Seattle, Wash.
7GT C. R. Orfield. 8415 Dayton St., Seattle, Wash.
7GU J. M. Deady. 150-27th Ave., Seattle, Wash.
7GV E. D. Pollock. 2707-10th Ave., N., Seattle, Wash.
7GW Bi. F. Pearson. Pittock Block, Portland, Ore.
7GX Sol Bohn. 906 Main St., Miles City, Mont.
7GY A. P. Roman. 1827 E. 3d St., Spokane, Wash.
7GZ Leo C. Clark. 432-11th Ave. N., Seattle, Wash.
7HA H. B. Churchill. 705 Belmont St., Salem, Ore.
7HB H. R. Fuller. 1061 Union Ave. N., Portland, Ore.
7HC Clifford Emery. 611 Maldon Ave., Seattle, Wash.
7HD A. A. Thibodo. Seaside, Ore.
7HE Bremerton Amateur Club. 711 Boston St., Bremerton, Wash.
7HF H. M. Skipworth. 1151 Charleston St., Eugene, Ore.
7HG Charles York. 817 N. Anderson St., Tacoma, Wash.
7HH W. S. Tucker. 2832 N. Broadway, Seattle, Wash.
7HI W. B. Robinson. 1113 E. 1 St., Auburn, Wash.
7HJ Fred Brown. Box 910, Boise, Idaho
7HK E. R. Helfort. 3716 Colby Ave., Everett, Wash.
7HL M. D. Richardson. 500 N. Willamette St., St. Helens, Ore.
7HM Merwin Elton. 611-5th Ave. N., Great Falls, Mont.
7HN Delmer Jeans. R. 2, Box 46, Freewater, Ore.
7HO Carroll Freeland. 1611 Tieton Drive, Yakima, Wash.
7HP Charles Burson. Laconner, Wash.
7HQ T. J. Bidner. 2024-6th Ave., Seattle, Wash.
7HR Frank A. Moore. Walla Walla, Wash.
7HS O. C. Kent. Glasgow, Mont.
7HT E. H. Weimer. Conagen, Mont.
7HU Elmo R. Gibson. 215-24th Ave. W., Eugene, Ore.
7HV James Ray. 1831-24th Ave., Seattle, Wash.
7HW E. R. Wilzel. 756-4th St., Laramie, Wyo.
7HX P. A. Schumacher. Box 116, St. John, Wash.
7HY P. L. Vale. 111 Pine St., Klamath Falls, Ore.
7HZ W. L. Schreiber. Conagen, Mont.
7IA C. W. Wheeler. Route 1, Enumclaw, Wash.
7IB J. G. Nordahl. 809-24th Ave. N., Seattle, Wash.
7IC Albert Onsum. 806 E. 56th St., Seattle, Wash.
7ID Benedict Barr. Mt. Angel, Benedict, Ore.
7IE C. J. W. Tibbets. 1813 Broadway, Helena, Mont.
7IF R. M. Dansfield. 727 Blair Blvd., Eugene, Ore.
7IG J. S. Asplund. R.F.D. No. 1, Eatonville, Wash.
7IH G. W. Selridge. 4321-9th Ave., N.E., Seattle, Wash.

7II	G. C. Forler	R. 2, Box 125, Enumclaw, Wash.	7NF	F. F. Henriot	Winlock, Wash.
7IJ	C. O. Berge	3110 S. Washington St., Tacoma, Wash.	7NG	Edwin Flodquist	634-9th St., Bremerton, Wash.
7IK	Harry H. Olson	310-4th Ave., Seaside, Ore.	7NH	J. C. Wilson	295 N. 24th St., Portland, Ore.
7IL	G. G. Calhoun	1409-10th Ave., Seattle, Wash.	7NI	David Wersen	4030 Whitman Ave., Seattle, Wash.
7IM	W. D. Thomson	1414 E. John St., Seattle, Wash.	7NJ	G. A. Hunter	518 Willow St., Pt. Townsend, Wash.
7IN	A. L. Adams	321 W. Main St., Silverton, Ore.	7NK	H. R. Hildreth	2064-23d St., N., Seattle, Wash.
7IO	E. M. Wright	44 N. 9th Ave., Nampa, Idaho	7NL	G. E. Langford	2927 Ash St., Spokane, Wash.
7IP	A. A. McCue	Neah Bay, Wash.	7NM	J. F. Mellinger	121 Knox Ave., Spokane, Wash.
7IQ	W. F. Wilson	Reedsport, Ore.	7NN	D. E. McGee	616-5th St., Hoquiam, Wash.
7IR	G. M. Hudson	1310 W. Boone Ave., Spokane, Wash.	7NO	C. A. McGinn, Jr.	422 E. Front St., Aberdeen, Wash.
7IS	R. Mattmuller	2471-4th Ave. N., Seattle, Wash.	7NP	B. J. Glein	Gig Harbor, Wash.
7IT	Roy Anderson	Ketchikan, Alaska	7NQ	F. L. Cauty	Eatonville, Wash.
7IU	Geo. Meacham	Yarrow, Wash.	7NR	H. V. Kootz	Buffalo, Wyo.
7IV	K. B. Aldrich	3315 N. 29th St., Tacoma, Wash.	7NS	F. H. Alverdes	142 E. 47th St., Portland, Ore.
7IW	P. R. Hoppe	1633 Willamette St., Eugene, Ore.	7NT	Cecell Hughes	601-7th Ave., S., Glasgow, Mont.
7IX	F. G. Cornue	Seah, Wash.	7NU	E. J. Moe	1209 S. Ivanhoe St., Portland, Ore.
7IY	Danzill Cutler	Vashon, Wash.	7NV	G. C. Henry	1214-1st Ave., S., Great Falls, Mont.
7IZ	Harold Elmberg	1503 E. 4th Ave., Spokane, Wash.	7NW	E. L. Clark	2301 Cherry St., Hoquiam, Wash.
7JA	E. L. Crawford	1340 Court St., Salem, Ore.	7NX	J. J. Wilson	34 E. 62d St., Portland, Ore.
7JB	J. D. Simpson	44 E. 11th St., Corvallis, Ore.	7NY	J. E. Watson	Route 2, Forest Grove, Ore.
7JC	Gordon Klemgard	Fullam, Wash.	7NZ	R. E. Welch	606 W. 4th St., Medford, Ore.
7JD	J. D. Simpson	44 E. 11th St., Corvallis, Ore.	7OA	William Thurber	300 N. St., Hoquiam, Wash.
7JE	James Rice	301 N. Main St., Pendleton, Ore.	7OB	Arthur Hagerman	Y. M. C. A., Baker, Ore.
7JF	Clyde Anderson	5095 Washington St., Moscow, Idaho	7OC	H. H. Clark	386 E. 11th St., Reedsport, Ore.
7JG	Robert Gilmore	1201-18th Ave. N., Seattle, Wash.	7OD	M. B. McBride, Jr.	1031 N. 23d Ave., Seattle, Wash.
7JH	J. D. Hertz	Vancouver, Wash.	7OE	S. M. Mathes	561 Burwell Ave., Bremerton, Wash.
7JI	Thurston Bragg	4710 Dawson Ave., Seattle, Wash.	7OF	C. V. Johnson	1014 Glass Ave., Spokane, Wash.
7JJ	Howard Johnson	4218 Orcas St., Seattle, Wash.	7OG	E. A. Elgs	418 N. Benton St., Helena, Mont.
7JK	J. H. Parnet	2629-43d St. S.E., Portland, Ore.	7OH	G. S. Felkert	402 N. 17th St., Corvallis, Ore.
7JL	Fred Ulman	Enumclaw, Wash.	7OI	Roy L. Hintz	215 N. 2d St., Douglas, Wyo.
7JM	O. R. Anderson	1114 E. Market St., Portland, Ore.	7OJ	L. U. Bennett	Pt. Townsend, Wash.
7JN	Roy Rice	Wapinitia, Ore.	7OK	Leo J. Koelsch	103 Jefferson St., Boise, Idaho
7JO	Marrin Larsen	2024 Snofford St., Spokane, Wash.	7OL	Roy Smith	202-1st St., S., Burley, Idaho
7JP	H. C. Rose	2711 N. 10th St., Tacoma, Wash.	7OM	Harold Woodyard	Sunnyside, Wash.
7JQ	J. H. Dorr	1114 W. 8th St., Port Angeles, Wash.	7ON	Sheldon Hagen	807-24th Ave., Seattle, Wash.
7JR	C. L. Pitcher	723 E. 5th St., Moscow, Idaho	7OO	G. O. Leonard	1827-4th Ave., W., Seattle, Wash.
7JS	L. C. Tate	807-6th St., Anacortes, Wash.	7OP	H. E. Williamson	316 Union St., Seattle, Wash.
7JT	O. S. Van Olanda	Vashon, Wash.	7OQ	R. E. Peratovich	Bay View, Alaska
7JU	J. M. Morris	659-12th Ave. E., Eugene, Ore.	7OR	A. H. Lillibridge	506 E. A. St., Moscow, Idaho
7JV	H. M. Moon	R.F.D. 2, Meridian, Idaho	7OS	C. F. Burdick	Casper, Wyo.
7JW	A. D. Tait	851 E. 26th St., Portland, Ore.	7OT	E. B. Bliss, Jr.	417 Bannock St., Boise, Idaho
7JX	J. E. Wilkinson	1919-2d St., Baker, Ore.	7OU	W. K. Stockdale	Prosser, Wash.
7JY	C. L. Cook	Glad Hill, Ore.	7OV	F. J. Campbell	2d St., N., Forest Grove, Ore.
7JZ	R. Harrison	2804-6th Ave., Tacoma, Wash.	7OW	Edwin Eby	782 Front St., Salem, Ore.
7KA	C. E. Collier	311 Diamond Ave., Hillyard, Wash.	7OX	W. A. Hazlewood	Myrtle Point, Ore.
7KB	C. M. Sheets	Oak Grove, Ore.	7OY	J. R. Truman	848 Ocean Drive, Bandon, Ore.
7KC	R. B. Zulstra	313 Liberty St., Lynden, Wash.	7OZ	Garrett Lewis	767 Hawthorne Ave., Portland, Ore.
7KD	Herbert Wurst	8 Jensen Apartments, Glasgow, Mont.	7PA	H. W. Randall	1212 Star Rt. St., Pullman, Wash.
7KE	L. A. Baker	Morile Point, Ore.	7PB	R. T. Jones	116 Edison St., Portland, Ore.
7KF	John Wiley	1019-36th Ave. N., Seattle, Wash.	7PC	Herbert Chase	2010 Water St., Olympia, Wash.
7KG	S. A. Weeks	712 W. Meeker St., Kent, Wash.	7PD	E. C. Hendricks	Cornelius, Ore.
7KH	L. E. Shatto	426-15th St., Astoria, Ore.	7PE	Clyde Hudson	Cloverdale, Ore.
7KI	V. W. Ridlinghafer	Shannon Hotel, Glasgow, Mont.	7PF	Glen Goudie	2818 Victor Pl., Everett, Wash.
7KJ	W. McGoffin	450 Chhnault St., Hoquiam, Wash.	7PH	K. H. Ellerbeck	2019 Knob Hill, Seattle, Wash.
7KK	H. C. McCracken	354 E. 19th St., Portland, Ore.	7PI	R. M. Gardner	Southerlin, Ore.
7KL	V. H. Dale	432 Terrace St., Ashland, Ore.	7PJ	R. J. Moore	115-1st St., Wolf Point, Mont.
7KM	W. O. Nicholson	3115 S. 8th St., Tacoma, Wash.	7PK	H. S. Anderson	1108 N. 13th St., Boise, Idaho
7KN	C. W. Black	Cambridge, Idaho	7PL	D. K. Boyd	2d Ave., Glasgow, Mont.
7KO	Paul E. Lum	936 S. Grant St., Tacoma, Wash.	7PM	C. H. Ackerman	305-5th St., S., Glasgow, Mont.
7KP	James Holcombe	137 N. 79th St., Seattle, Wash.	7PN	H. C. Manning	4324-3rd Ave., N.E., Seattle, Wash.
7KQ	Donald Smith	415 Peabody St., Port Angeles, Wash.	7PO	B. L. Davis	8523-12th Ave. N.W., Seattle, Wash.
7KR	H. R. Brock	106 Jackson St., Pendleton, Ore.	7PP	G. E. Kinsey	907 W. 68th St., Seattle, Wash.
7KS	A. H. Whittle	7 Grand Ave., Astoria, Ore.	7PQ	Stadium H. School	1st & E. St., Tacoma, Wash.
7KT	W. V. Lindquist	5012 W. Price St., Seattle, Wash.	7PR	Arthur Harding	1120 N. 9th St., Seattle, Wash.
7KU	Homer Grant, Jr.	3324 L St., Vancouver, Wash.	7PS	Leland Harris	132-38th Av., S.W., Seattle, Wash.
7KV	Raymond Howerton	Ilwaco, Wash.	7PT	Arthur Randall	2802-22d Ave., Seattle, Wash.
7KW	G. H. Metcalf	1443 W. 53d St., Seattle, Wash.	7PU	E. P. Coulter	529-3d St., Helena, Mont.
7KX	Errol Hurtt	250 N. Miller St., Burley, Idaho	7PV	J. M. Dickinon	R. F. D. 2, Powell, Wyo.
7KY	W. C. Topping	941 E. Morrison St., Portland, Ore.	7PW	C. W. Gabrielson	Puyallup, Wash.
7KZ	Willard Atkins	1105 W. Main St., Lewistown, Mont.	7PX	L. A. Kobe	Powell, Wyo.
7LA	David Phillips	6601 Union Ave., Tacoma, Wash.	7PY	Hans Wasle	Narna, Idaho
7LB	Alvin Stenro	1922 S. J. St., Tacoma, Wash.	7PZ	Walter Bone	Carmeyville, Wyo.
7LC	Eugene Zaluskey	8257 Stroud Ave., Seattle, Wash.	7QA	H. M. Hassell	120 E. 60th St., Seattle, Wash.
7LD	E. M. Lacey	1007 S. 6th St., Sunnyside, Wash.	7QB	Kenneth Field	306 E. Olive St., Seattle, Wash.
7LE	William Howell	3646 Parry Ave., Seattle, Wash.	7QC	J. F. Bunting	1907-1st Ave., W., Seattle, Wash.
7LF	E. A. Kraft	5042-11th Av., N.E., Seattle, Wash.	7QD	D. H. Bunch	Lake Shore Drive, Seattle, Wash.
7LG	J. C. Burke	1186 E. Lincoln St., Portland, Ore.	7QE	W. H. Motz	4608 J. St., Tacoma, Wash.
7LH	Arnold West	Junction City, Wash.	7QF	S. W. Ostrom	4840-84th St., S.E., Portland, Ore.
7LI	Albert Ehle	3106 Irving St., Seattle, Wash.	7QG	G. R. Salsbury	1951-3d Ave., W., Seattle, Wash.
7LJ	T. A. Koliveto	R.F.D. 1, Box 25, Astoria, Ore.	7QH	H. M. Reynolds	3817 Densmore Ave., Seattle, Wash.
7LK	J. R. Mendenhall	1007-6th St., Boise, Idaho	7QI	J. D. Keating	1315 Sandy Blvd., Portland, Ore.
7LL	Wm. Carleton	4302 Navas Ave., Seattle, Wash.	7QJ	Fred'k Lindstrom	Powell, Wyo.
7LM	C. A. Baker	696 Clackamas St., Portland, Ore.	7QK	R. R. Patrick	320 Roosevelt St., Wenatchee, Wash.
7LN	L. L. Martin	Namna, Idaho	7QL	Alvin Flippin	Rainier, Ore.
7LO	W. C. Burkhardt	1700 Denver St., Boise, Idaho	7QM	R. E. Welch	1005 N. Normande St., Spokane, Wash.
7LP	F. T. Kohara	224 Park St., Portland, Ore.	7QN	A. Z. Lillian	620-21st Ave., N., Seattle, Wash.
7LQ	W. C. Moeck, Jr.	644 Everett St., Portland, Ore.	7QO	Ben Hamlin	4654 Orcas St., Seattle, Wash.
7LR	Royal Howard	540 W. 13th St., Eugene, Ore.	7QP	Howard Llebe	204 N. 22d St., Portland, Ore.
7LS	Hunter Anstine	Parndale, Wash.	7QQ	Chris Engleman, Jr.	321 W. 32d St., Vancouver, Wash.
7LT	D. H. Vollmer	1205 Worden Ave., Klamath Falls, Ore.	7QR	C. V. Anlin	Myrtle Point, Ore.
7LU	F. N. Mitchell	Greenhill, Wyo.	7QS	E. W. Henry	5505-36th Ave., S.E., Portland, Ore.
7LV	H. E. Rankin	2390 N. Liberty St., Greyhill, Wyo.	7QT	Clarence Hurd	1514 Willamette St., Eugene, Ore.
7LW	L. T. White	51 E. 24th St., N., Portland, Ore.	7QU	F. R. Cartan	1461 Monroe St., Corvallis, Ore.
7LX	E. McCullough	Tekoa, Wash.	7QV	J. Munzenrieder	515-1st St., Helena, Mont.
7LY	R. E. Thomlinson	414-16th St., Vancouver, Wash.	7QW	Jay Isham	820 Dalton Ave., W., Spokane, Wash.
7LZ	R. T. Theilberg	4230 Brooklyn Ave., Seattle, Wash.	7QX	F. A. Koehler	36 Shepherd Way, Corvallis, Ore.
7MA	H. S. Olson	18 Cedar St., Helena, Mont.	7QY	Victor Chambers	10th St., Cottage Grove, Ore.
7MB	A. D. Davis	104 S. Miller Ave., Burley, Idaho	7QZ	D. W. Cathcart	1505 E. 66th St., Portland, Ore.
7MC	M. V. Moller	Myrtle Point, Ore.	7RA	M. A. Hauge	5635-11th Ave., N.E., Seattle, Wash.
7MD	E. J. Henderson	R. 1, Brownsville, Ore.	7RB	R. C. Farrah	700 E. 26th St., Vancouver, Wash.
7ME	G. C. Waller	232 Montgomery St., Albany, Ore.	7RC	Barton Stemmler	Spruce St., Myrtle Point, Ore.
7MF	H. L. Willard	Hidros. Co., Vancouver Barracks, Wash.	7RD	Charles Parmelee	Sunnyside, Wash.
7MG	A. L. Sams	468 Helman St., Ashland, Ore.	7RE	N. H. Foster	R.F.D. 1, Edmunds, Wash.
7MH	E. J. Gordon	1306 E. Union St., Seattle, Wash.	7RF	H. E. Nelson	Onalaska, Wash.
7MI	H. S. Horton	Lynden, Wash.	7RG	E. J. Hoff	927 Irving St., Astoria, Ore.
7MJ	Jack Strancker	1235 E. 3d Ave., Spokane, Wash.	7RH	P. E. Nolte	Camp Lewis, Wash.
7MK	H. J. Jlg. Jr.	2727-32d Ave., S., Seattle, Wash.	7RI	John Soderstrom	Montesano, Wash.
7ML	J. P. Thompson	1007 E. 3d St., Ellensburg, Wash.	7RJ	G. O. Campbell	2443-5th Ave., W., Seattle, Wash.
7MM	W. L. Nelson	714 W. 21st St., Vancouver, Wash.	7RK	H. L. Haven	1125-7th St., Bremerton, Wash.
7MN	R. V. Bishop	2124 W. York St., Spokane, Wash.	7RL	G. W. Garman	1366-31st Ave. S., Seattle, Wash.
7MO	H. C. Buffum	Oswego, Ore.	7RM	H. A. Burgess	9260 California Ave., Seattle, Wash.
7MP	J. R. Kalberg	161-26th Ave., Seattle, Wash.	7RN	Kenneth Paton	Cashmere, Wash.
7MQ	L. L. Lane	Cornelius, Ore.	7RO	R. G. Heitkemper	439 E. 10th St., N., Portland, Ore.
7MR	E. L. Woolley	3111-37th Pl., Seattle, Wash.	7RP	E. R. Simpson	1004 Leonard St., Portland, Ore.
7MS	E. H. Hughes	Main St., Hillsboro, Wash.	7RQ	D. E. Replogle	Cashmere, Wash.
7MT	P. H. Verd	Arlington, Wash.	7RR	Jeffrey Kitchell	319 N. 33d St., Billings, Mont.
7MU	A. E. Peyton	1060 S. Commercial St., Salem, Ore.	7RS	L. E. Scrien	O-2118 Ledgerwood St., Spokane, Wash.
7MV	A. R. Butlerfield	441 E. 60th St., Portland, Ore.	7RT	N. S. Colles	2815 Pacific Ave., Hoquiam, Wash.
7MW	A. R. Plois	404 Pleasant Ave., Oregon City, Ore.	7RU	E. J. Bruck	744 Kearney St., Portland, Ore.
7MX	Frank Pealater	815-2d St., Portland, Ore.	7RV	William Morton	6523-46th Ave., Portland, Ore.
7MY	J. R. Hill	703-9th Ave., E., Eugene, Ore.	7RW	D. E. Schultz	2423 Birch St., Astoria, Ore.
7MZ	Rufus Kiser	Miller St., Wenatchee, Wash.	7RX	L. S. Shields	R. F. D. 1, Box 21, Salem, Ore.
7NA	E. E. Ames	907 Hillyard St., Eugene, Ore.	7RY	L. F. Zimmerman	Owyhee St., Ontario, Ore.
7NB	H. O. McCoy	4328 Park Ave., Tacoma, Wash.	7RZ	V. B. McCulloch	223 N. Conant Ave., Burley, Idaho
7NC	R. W. Morse	955-13th Ave. W., Seattle, Wash.	7SA	D. X. Tower	1615-35th Ave., Seattle, Wash.
7ND	Roland Sudman	115 W. 20th St., Olympia, Wash.	7SB	L. E. Bracht	1804 Batcher St., Miles City, Mont.
7NE	C. J. McClure	Leavenworth, Wash.	7SC	W. A. C. Hamlich	916 Hume St., Aberdeen, Wash.
			7SD	H. L. Fritz	707 N. 66th St., Seattle, Wash.

7SE	T. L. Richardson	U. S. P. H. S. Hospital, Tacoma, Wash.
7SF	E. E. Griggs	1518—1st St., Aberdeen, Wash.
7SG	Don Harris	1711 Simpson St., Aberdeen, Wash.
7SH	A. J. Homchick	904—1st St., Aberdeen, Wash.
7SI	Hal Garrett	4320 Meridian Ave., Seattle, Wash.
7SJ	R. P. Heatler	324 F St., Aberdeen, Wash.
7SK	C. C. Howard	218 E. 63d St., N., Portland, Ore.
7SL	L. C. McManemy	1309 Hood St., Aberdeen, Wash.
7SM	C. T. Hanes	906—19th Ave., N., Seattle, Wash.
7SN	R. G. Wascher	760—12th Ave., Seaside, Ore.
7SO	W. L. Duncan	142—11th St., Corvallis, Ore.
7SP	M. W. Rice	497 E. 28th St., Portland, Ore.
7SQ	R. F. Parslow	522 S. Main St., Roseburg, Ore.
7SR	R. S. Bean	579 E. 9th St., Eugene, Ore.
7SS	W. F. Turnbow	704 W. 4th St., Aberdeen, Wash.
7ST	M. C. Knight	3645—35th St., Seattle, Wash.
7SU	J. A. Kindle	230 Sam St., Monroe, Wash.
7SV	D. C. Harvey	205 Montgomery St., Albany, Ore.
7SW	C. M. Landaker	R. F. D. 5, Box 17, Salem, Ore.
7SX	C. L. Hyer	815 Thurston St., Albany, Ore.
7SY	G. M. de Broekert	345 Mill St., Eugene, Ore.
7SZ	F. M. Curtin	E. 618 Wabash Ave., Spokane, Wash.
7TA	R. K. Leonard	421 N. Belmont St., Seattle, Wash.
7TB	V. R. Kem	1509 W. Main St., Cottage Grove, Ore.
7TC	G. C. Perry	3712 Woodlawn Ave., Seattle, Wash.
7TD	G. M. Leasha	116 Heron St., Aberdeen, Wash.
7TE	G. C. Henny	530 Heights Terrace, Portland, Ore.
7TF	J. K. Trescott	504 N. 31st St., Billings, Mont.
7TG	M. E. Tait	394 Guild St., Portland, Ore.
7TH	A. W. Emigh	335 Grove St., Walla Walla, Wash.
7TI	H. T. Hayden, Jr.	Monroe & Cogsrove St., Ft. Townsend, Wash.
7TJ	C. A. Lockwood	2117 S. 12th St., Salem, Ore.
7TK	R. W. Mudgett	Powell, Wyo.
7TL	H. J. E. Young	Bingen, Wash.
7TM	A. H. Peterson	2304 N. 39th St., Seattle, Wash.
7TN	J. B. Darragh, Jr.	2560—5th Ave. W., Seattle, Wash.
7TO	Arvid Herner	321 E. 23d St., Portland, Ore.
7TP	J. C. Campbell	Camp Lewis, Wash.
7TQ	H. H. Howell	Route 2, Box 15, Medford, Ore.
7TR	H. R. Andrews	635 Olympic St., Bremerton, Wash.
7TS	John Pollak	811 Washington St., Albany, Ore.
7TT	W. E. Burke	7126—54th Ave., S.E., Portland, Ore.
7TV	W. R. Barrett	5122 S. L. St., Tacoma, Wash.
7TW	H. D. Hall	Cascade, Mont.
7TX	L. G. Perry	R. F. D. 3, Eugene, Ore.
7TY	H. R. Fullerton	210 1/2 N. Minor St., Seattle, Wash.
7TZ	E. C. Parks	8th & Cedar Sts., Port Angeles, Wash.
7UA	G. R. Shockey	S. Water St., Silverton, Ore.
7UB	Josephine Ralston	627 Baker St., Albany, Ore.
7UC	Carl McDowell	906 W. 4th St., Eugene, Ore.
7UD	G. T. Mood	4526—52d Ave., S.W., Seattle, Wash.
7UE	D. R. Fackard	3d Ave., LaConner, Wash.
7UF	G. H. Cilnefelter	2d & C Sts., Oswego, Ore.
7UG	Ivar Wallin	Chignik, Alaska
7UH	Hugo Osterman	508 Lincoln St., Walla Walla, Wash.
7UI	R. D. Glasgow	Cody, Wyo.
7UJ	K. B. Durbury	720 Central St., Olympia, Wash.
7UJ	F. G. Froese	103—5th Ave., N., Seattle, Wash.
7UK	R. H. Millsap	Gates, Ore.
7UL	Jack Hohenberg	1434—20th Ave., Seattle, Wash.
7UM	Brannon Casler	3306 W. 71st St., Seattle, Wash.
7UN	G. W. Beller	1438—20th Ave., Seattle, Wash.
7UO	M. F. Judkins	300 Denny Way, Seattle, Wash.
7UP	M. J. Gross	124 Skidmore St., Portland, Ore.
7UQ	R. B. Wallfner	Pt. Angeles, Wash.
7UR	C. M. Crulshank, Jr.	626—5th Ave., N., Glasgow, Mont.
7US	A. K. Robinson	2317 1/2, White Bluffs, Wash.
7UT	E. J. Oerman	877 Cleveland St., Portland, Ore.
7UU	Robert Waskey	7213—28th Av. N.W., Seattle, Wash.
7UV	C. J. Stubbs	6129—94th St., S.E., Portland, Ore.
7VW	John Wetser	322—5th St., McMinnville, Ore.
7VX	H. A. Wilson	365—14th St., Astoria, Ore.
7VY	L. F. Kempfle	Glasgow, Mont.
7VZ	H. K. Lawson	508 W. 23d St., Vancouver, Wash.
7VA	Donatlas Hartman	110 Carlisle St., Onalaska, Wash.
7VB	D. E. Brombaugh	Oswego, Ore.
7VC	Raymond Byrne	10th Co. C. A. C., Ft. Casey, Wash.
7VD	B. N. Beighle	Kalama, Wash.
7VE	H. J. Carey	289 Ivy St., Portland, Ore.
7VF	B. W. Powell	793 Michigan Ave., Portland, Ore.
7VG	E. A. Farnbell	414 E. 10th St., Olympia, Wash.
7VH	C. V. Zehring	5123—58th St., S.E., Portland, Ore.
7VI	F. G. Barfeld	544 E. 20th St., S., Portland, Ore.
7VJ	Florence Tinestad	842 Blaine St., Pt. Townsend, Wash.
7VK	Kenneth Golden	402 Sanson Ave., Hilliard, Wash.
7VL	Willard Barzee	126 E. 15th St., Portland, Ore.
7VM	Roy Bicy	2123—4th Ave. W., Seattle, Wash.
7VN	Delbert Huntington	1383 Michigan Ave., Portland, Ore.
7VO	M. K. Baughman	219 S. Central Ave., Medford, Ore.
7VP	John Wandell	949 N. 82d St., Seattle, Wash.
7VQ	Merlynn Alloway	930 N. 85th St., Seattle, Wash.
7VR	John C. Nelson	Richland Highlands, Seattle, Wash.
7VS	Temple Ehmsen	1408 Montana St., Portland, Ore.
7VT	F. L. Wiederhold	92 N. 17th St., Portland, Ore.
7VU	H. C. Crabtree	520—13th St., Eugene, Ore.
7VV	H. H. Napper	512—13th St., Boise, Idaho
7VW	W. H. Johnson	1436—53d Ave., Seattle, Wash.
7VX	George Freeman	5411 S. L. St., Tacoma, Wash.
7VY	R. H. Cornell	877 Cleveland Ave., Portland, Ore.

7VZ	Brandon Wentworth	Libby, Mont.
7WA	W. A. Oberst	17 W. Plnte St., Spokane, Wash.
7WB	F. E. Chambers	1200 Williams Ave., Portland, Ore.
7WC	E. M. Hanford	825 E. State St., Boise, Idaho
7WD	R. S. Burghoffer	1215 Taylor St., Bellingham, Wash.
7WE	C. E. Munsell	117 S. Chelan St., Wenatchee, Wash.
7WF	P. A. Meland	615 Boren Ave., Seattle, Wash.
7WG	W. J. Sutherland	Box 446, Nez Perce, Idaho
7WH	Seattle College	2440 Interlaken Ave., Seattle, Wash.
7WI	C. F. Bates	1021 J St., Hoquium, Wash.
7WJ	Billy Webb	1227 Ivon St., Portland, Ore.
7WK	H. S. Westerlund	467 Sumner St., Portland, Ore.
7WL	B. G. Griffith	7604—59th Ave., Portland, Ore.
7WM	Theodore Benz	1424 Ainsworth St., Tacoma, Wash.
7WN	C. F. Savage, Jr.	6029—44th St., S.E., Portland, Ore.
7WO	Paul Klev	999 Borthwick St., Portland, Ore.
7WP	Martin Amdahl	Box 433, Great Falls, Mont.
7WQ	H. C. Coxon	2631—43d St., Portland, Ore.
7WR	J. F. Nelson	Gibbs, Idaho
7WS	H. W. Shane	1059 Burwell St., Bremerton, Wash.
7WT	L. F. Caldwell	803 1/2 Water St., Portland, Ore.
7WU	J. E. Tuerck	495 Harrison St., Portland, Ore.
7WV	W. J. Mead	Fort Worden, Wash.
7WX	G. C. Miller	Nehalem, Ore.
7WY	L. C. Graham	3828 E. J St., Tacoma, Wash.
7WZ	M. A. Obradvic	812 Terrace Ave., Aberdeen, Wash.
		5103 Meridian Ave., Seattle, Wash.

## Special Radio Stations of the Seventh District

7XA	Independent School Dist. No. 1	Boise, Idaho
7XB	Mont. State College	Bozeman, Mont.
7XC	V. I. Kraft	6838—19th Ave. N.E., Seattle, Wash.
7XD	Folytechnic Institute	Billings, Mont.
7XE	Radio Corp. Shops	512 Maritime Bldg., Seattle, Wash.
7XF	N. W. Radio Mfg. Co.	1556 E. Taylor St., Portland, Ore.
7XG	W. P. Hawley, Jr.	400 E. 22d St., N., Portland, Ore.
7XH	Oregon Agricultural College	Corvallis, Ore.
7XI	Hallock & Watson Radio Service	192 Park St., Portland, Ore.
7XJ	C. W. Peterson	2922—3d Ave., Seattle, Wash.
7XK	K. & C. Mfg. Co.	3450 E. Marginal Way, Seattle, Wash.
7XL	Northwestern Electric Co.	Wash. at 10th, Portland, Ore.
7XM	Montana Power Co.	Butte, Mont.
7XN	Thompson Falls Power Co.	Thompson Falls, Mont.
7XO	Great Falls Power Co.	Rainbow, Mont.
7XP	N. W. Electric Co.	Portland, Ore.
7XQ	Louis Wasmer	301 Pine St., Seattle, Wash.
7XR	Brott Lab.	2048B—42nd Av. N., Seattle, Wash.
7XS	Western Radio Inc.	1121 Pine St., Seattle, Wash.
7XT	Kilbourne & Clark Mfg. Co.	Seattle, Wash.
7XX	University of Washington	Seattle, Wash.
7YA	Independent School Dist. No. 1	Boise, Idaho
7YB	University of Oregon	Eugene, Ore.
7YC	Y. M. C. A.	Seattle, Wash.
7YD	Knights of Columbus Evening School	Seattle, Wash.
7YE	Broadway High School	Seattle, Wash.
7YF	Y. M. C. A.	Portland, Ore.
7YG	Wash. High School	Portland, Ore.
7YI	Billings Polytechnic Institute	Polytechnic, Mont.
7YJ	Oregon Agri. College	Corvallis, Ore.
7YK	Benson Poly. Inst.	12th & Hoyt Sts., Portland, Ore.
7YL	North Cent. H. Sch.	Howard & Nora Sts., Spokane, Wash.
7YM	Lincoln High School	Interlaken & 43d, Seattle, Wash.
7YO	Tacoma City College	Tamoca, Wash.
7YQ	Enumclaw High School	Enumclaw, Wash.
7YS	St. Martin's College	Lacy, Wash.
7ZA	H. B. Read	Cascade Ave., Hood River, Ore.
7ZB	W. A. Leidigh, Jr.	555—44th St., Portland, Ore.
7ZC	F. C. Ashall	536 N. Warren St., Helena, Mont.
7ZD	R. E. Daws	222 S. Black St., Bozeman, Mont.
7ZE	H. P. Sheard	Elk, Wyo.
7ZF	F. F. Gray	Butte, Mont.
7ZG	W. E. Slauson	Douglas, Wyo.
7ZH	O. M. Heacock	Enterprise, Ore.
7ZJ	Royal Mumford	Vancouver, Wash.
7ZK	V. J. Bird	706 W. 12th St., Vancouver, Wash.
7ZL	H. E. Cutting	Bozeman, Mont.
7ZM	Jack Woodworth	Moscow, Idaho
7ZO	F. C. Ashall	536 N. Warren St., Helena, Mont.
7ZP	E. W. Wilson	2201 Columbia St., Olympia, Wash.
7ZQ	V. K. Roberts	40 Olive St., Helena, Mont.
7ZS	H. E. Allen	Pullman, Wash.
7ZT	G. B. Criteser	967 Vernon Ave., Portland, Ore.
7ZU	Glen E. West	Polytechnic, Mont.
7ZV	Felix Thompson	Douglas, Wyo.





# Amateur Radio Stations of the Eighth District

Headquarters, Federal Bldg., Detroit, Michigan. The eighth district comprises all the counties of New York not included in the second district. All the counties of Pennsylvania not included in the third district, the States of West Virginia and Ohio and the Lower Peninsula of the State of Michigan.

8AA	Charles E. Nichols	739 Weadock Ave., Lima, Ohio	8AEF	Stanley E. Leach	119-121 Main St., Hamburg, N. Y.
8AAB	Robert L. Osborn	R.F.D. No. 4, Mt. Clemens, Mich.	8AEG	E. L. Knapp	539 Melbourne Ave., Detroit, Mich.
8AAC	H. M. Ryder	Braddock Rd., Wilkinsburg, Pa.	8AEH	William F. Lutes	2709 Lena St., Flint, Mich.
8AAD	J. C. Arms	801 Wyoming Ave., Lockland, Ohio	8AEI	Frank Balbo	24 New St., Pittsburgh, Pa.
8AAE	Westinghouse Elec. & Mfg. Co.	1535-6th St., Detroit, Mich.	8AEJ	H. L. Donegan	Main St., Mineral Ridge, Ohio
8AAF	Wayne Mason	421 High St., So. Brownsville, Pa.	8AEK	H. C. Fullington	115 Shiloh St., Washington, Pa.
8AAG	C. A. Long	516 5th St., Oakmont, Pa.	8AEL	John H. Fraser	Perryville Ave., Ben Avon, Pa.
8AAH	Herbert T. Dalrymple	157 W. State St., Akron, Ohio	8AEM	Arthur H. Denison	1613 E. 75th St., Cleveland, Ohio
8AAI	G. W. Davis	403 N. Main St., Connersport, Pa.	8AEN	R. Euchenhofer	517 Crafton Ave., Dayton, Ohio
8AAJ	H. H. Brokate	217 Washington St., Port Clinton, Ohio	8AEO	D. A. Gunn	19 16th St., Buffalo, N. Y.
8AAK	F. W. Benakin	1410 Fulton Rd., N. W., Canton, O.	8AEP	Edward R. Hughes	20-74th St., Cincinnati, Ohio
8AAL	J. M. Holsboy	1427 Homer St., N. W., Canton, O.	8AEQ	J. D. Anderson & J. H. Patterson	1608 E. 66th St., Cleveland, Ohio
8AAM	R. H. Koehler	424 Stokes Ave., Braddock, Pa.	8AER	F. H. Rutherford	R. F. D. No. 3, Lancaster, Ohio
8AAN	E. Brownell	321 Cooper St., Utica, N. Y.	8AES	A. B. Fuller	Ray Brook, N. Y.
8AAO	Alfred L. Ball	W. Liberty St., Hubbard, Ohio	8AET	W. M. Feuchter	73 Crescent St., Buffalo, N. Y.
8AAP	Robert C. Hedges	917 Oak St., Columbus, Ohio	8AEU	John D. Graves, Jr.	692 N. Walnut St., Van Wert, Ohio
8AAQ	Marcus A. Monaghan, Jr.	1437 Woodward Ave., Lakewood, Ohio	8AEV	L. E. Kriegl	26 Kent St., Gloucestersville, N. Y.
8AAR	C. C. Miller	3539 Beechwood Blvd., Pittsburgh, Pa.	8AEW	H. P. Henkimer	326 E. 2nd St., Monroe, Mich.
8AAS	James A. Victory	306 W. Bellevue, Utica, N. Y.	8AEX	William R. Byrnes	2933 Lee Road, Cleveland, Ohio
8AAT	R. F. Morris	165 N. Portage Path, Akron, Ohio	8AEY	John P. Dumlup	420 Catoma St., Pittsburgh, Pa.
8AAU	O. J. Gravatt	R.F.D. 46, S. Main St., Greenfield, Pa.	8AEZ	F. J. Hoover	140 Lexington Ave., Dayton, Ohio
8AAV	L. E. Clark	Bentley Ave., Hubbard, Ohio	8AF	Wilbert G. Klann	2740 Scoville Ave., Detroit, Mich.
8AAW	Henry E. Kenny	911 Elmwood Ave., Bucyrus, Ohio	8AFA	F. P. Kelper (F. P. Kelper)	21 Viet Park Blvd., Rochester, N. Y.
8AAX	Willi F. Ehrlich	218 W. Lucas St., Bucyrus, Ohio	8AFB	K. Komhle	139 Carpenter Rd., Mansfield, Ohio
8AAY	George A. Cooke	127 Gilman St., Marietta, Ohio	8AFC	C. R. Tanger	R. R. No. 5, Box 43, Bellefontaine, O.
8AAZ	V. L. Miller	209 Clarendon Ave., Canton, Ohio	8AFD	N. Beall	133 School St., Clarksville, W. Va.
8AB	J. I. Bell	819 Wall St., Port Huron, Mich.	8AFE	C. H. Daykin	31 Washington St., Geneva, N. Y.
8ABA	John M. Staude	119 Outincy Ave., Pittsburgh, Pa.	8AFF	P. Albert	476 Sycamore St., Columbus, Ohio
8ABB	John K. Swartz	1135 Wisconsin Ave., Dormont, Pa.	8AFG	R. S. Jehard	816 Himrod Ave., Youngstown, Ohio
8ABC	O. S. Finch	1 Stuart St., Blinghamton, N. Y.	8AFH	V. McBroom	427 W. South St., Pittsburg, Pa.
8ABD	O. S. Barnes	215 Main St., Blinghamton, N. Y.	8AFI	Edgar Sudd	1000 Davis St., Cincinnati, Ohio
8ABE	Benjamin C. Fidler	631 Parrish St., Uhrichsville, Ohio	8AFJ	J. Monroe	763 E. Ridgeway St., Cincinnati, Ohio
8ABF	R. Rolfe	Marlett, Mich.	8AFK	William Gage	15 Ridgely St., Detroit, Mich.
8ABG	A. B. Rerrisford	515 Stewart Ave., Ithaca, N. Y.	8AFL	R. M. Smith	139 McGraw Ave., Binghamton, N. Y.
8ABH	E. V. Barton	781 Hazlewood Ave., Pittsburgh, Pa.	8AFM	J. L. Keir	4 Dickinon St., Rochester, N. Y.
8ABI	H. R. Daniels, Jr.	424 W. 1st St., Dayton, Ohio	8AFN	R. Rusako	14 Princeton St., Rochester, N. Y.
8ABJ	Oscar E. Swanson	184 Bath St., Elyria, Ohio	8AFO	N. M. Kraus	Cook Ave., Blin Hts Vge., Cleveland, O.
8ABK	James E. Terry	1262 Beach Court, Lakewood, Ohio	8AFP	H. J. Rawson	417 W. River St., Elyria, Ohio
8ABL	Anthony A. Kleidis, Jr.	1031 Hamilton Ave. Grd. Rapids, Mich.	8AFQ	W. H. Stanton	Railroad St., Freeville, N. Y.
8ABM	Carlton S. Bacon	246 Field Ave., Toledo, Ohio	8AFR	William A. Cawley	R. F. D. No. 3, Milton, Pa.
8ABN	J. F. Hamilton	1132 Jefferson Ave., Buffalo, N. Y.	8AFS	D. Baker	3205 Gilbert St., Cincinnati, Ohio
8ARO	M. A. Nef	300 Maple Ave., Birmingham, Mich.	8AFT	Donald McGeorge	2500 Derbyshire St., Cleveland Heights, Ohio
8ABP	G. M. Bunting	722 Haven Ave., Ann Arbor, Mich.	8AFU	Frank Burgo	48 Miller St., Rochester, N. Y.
8ARQ	Melven T. Spence	202 Reynolds St., Charleston, W. Va.	8AFV	Adam R. Miller	15th St., McDonald, Ohio
8ABR	G. Rouston	527 Chalmers Ave., Detroit, Mich.	8AFW	A. Pultey	Savannah, N. Y.
8ARS	Belford C. Angle	Cummins Ave., R.D. 2, Connersville, Pa.	8AFX	Richard M. Hoe	1740 Shaw Ave., Lakewood, Ohio
8ABT	W. B. Jameson	1019 Rex Ave., N.E., Canton, Ohio	8AFY	D. Stein	2012 Lawrence Ave., Toledo, Ohio
8ABU	H. H. Bradley	R. F. D. No. 5, S. Haven, Mich.	8AFZ	C. C. C. Ragsdale	146 S. Bryant Ave., Bellevue, Ohio
8ABV	R. E. Stowe	623 Grand Ave., Dayton, Ohio	8AG	L. M. Graw	312 Parker Ave., Toledo, Ohio
8ARW	Roy C. Barlow	1018 Beech St., McKeesport, Pa.	8AGA	Calvin P. Rarle	173 Washington St., Sharon, Pa.
8ABX	John J. Long, Jr.	S. Main St., Canandaigua, N. Y.	8AGB	A. Schuller	3783 W. 98th St., Cleveland, Ohio
8ABY	Arnold P. Ouecke	472 Forest St., Columbus, Ohio	8AGC	Joseph Iathrop	614 Atkinson Ave., Detroit, Mich.
8ABZ	J. G. Russell	906 Charles St., Parkersburg, W. Va.	8AGD	A. L. Gatwood	514 S. 9th St., Cambridge, Ohio
8AC	Robt. W. Stevenson	18 Market St., Rochester, N. Y.	8AGE	C. A. Harrison	Chestnut Ridge, Lockport, N. Y.
8ACA	I. W. Briggs	57 North St., McGraw, N. Y.	8AGF	D. R. Inglis	1025 Baldwin Ave., Ann Arbor, Mich.
8ACB	Arthur D. Lewis	Glenison, Pa.	8AGG	Flint High School	600 Block, Beech St., Flint, Mich.
8ACC	Robert H. Rahney	516 E. Main St., Massillon, Ohio	8AGH	Walter H. Peters	230 Frederick St., Bluefield, W. Va.
8ACD	H. J. Cooper	R.F.D. 5, Box 113, Silinney Rock, Pa.	8AGI	Wm. A. Gehegan, Jr.	318 Westview Ave., Lockland, Ohio
8ACE	W. G. Greavy	938 Monroe Ave., Scranton, Pa.	8AGJ	C. C. Slocum	170 Annadale Ave., Akron, Ohio
8ACF	T. W. MacNary	27 Highland Ave., Washington, Pa.	8AGK	Clayton M. Blake	188 Pennar St., Wauwatosa, Mich.
8ACG	G. H. Hammer	507 Washington St., Oakmont, Pa.	8AGL	Wm. A. Yarborough	20 Arlington Ct., Charleston, W. Va.
8ACH	J. A. Victoreen	11302 Euclid Ave., Cleveland, Ohio	8AGM	Charles Havel	3044 W. 44th St., Cleveland, Ohio
8ACI	F. E. Foster	226 W. Union St., Athens, Ohio	8AGN	A. T. Sirrine	46 E. 20th St., Holland, Mich.
8ACJ	J. Harmon	714 Literary Rd., Cleveland, Ohio	8AGO	Biddle Arthurs, Jr.	3044 Centra Ave., Pittsburgh, Pa.
8ACK	Wiley D. Wenger	1076 Linden Ave., Dayton, Ohio	8AGP	R. T. Searing	226 Bryant St., N. Tonawanda, N. Y.
8ACL	William F. Agee	829 Gallis St., Portsmouth, Ohio	8AGQ	W. H. Kestler	7944 Michigan Ave., Detroit, Mich.
8ACM	W. E. Bostwick	206 Willard Way, Ithaca, N. Y.	8AGR	F. B. Billey	450 W. 9th St., Erie, Pa.
8ACN	Albert Bentz	3545 Hazelhurst Ave., Toledo, Ohio	8AGS	C. M. Ross	3830 Burwood Ave., Norwood, Ohio
8ACO	P. Robischung	1211 N. Edward St., Kalamazoo, Mich.	8AGT	H. E. Powell	16319 Nela View Rd., E. Cleveland, O.
8ACP	Hilton Y. M. C. A.	Knorrville B. 300 Zars, Pittsburgh, Pa.	8AGU	V. W. Hurst	9 Fairview Height, Rochester, N. Y.
8ACQ	W. B. Louis	1252 Summit Ave., Lakewood, Ohio	8AGV	Walter C. Luckner	2523 Park Ave., Cincinnati, Ohio
8ACR	A. G. Sullies	14405 Strathmore Ar., E. Cleveland, O.	8AGW	Howard A. Seysse	508 Woodman Ave., Buffalo, N. Y.
8ACS	D. G. Shotton	1641 Sanderson Ave., Scranton, Pa.	8AGX	P. J. Miller	1133 Creedmore St., Pittsburgh, Pa.
8ACT	Fred E. Welsh	243 Crescent Ave., Buffalo, N. Y.	8AGY	Belleme High School	Lincoln St., Bellevue, Pa.
8ACU	H. E. Shults	319 Young St., Cheboygan, Mich.	8AGZ	C. J. Carter	1728 Colt Ave., E. Cleveland, Ohio
8ACV	Mrs. W. T. Van Alen	3 T St., New Brighton, Pa.	8AH	Arthur F. Waynick	774 Cascairn St., Detroit, Mich.
8ACW	West High School	S. Main St., Akron, Ohio	8AHA	Lovell Shipman	4755 Brush St., Detroit, Mich.
8ACX	Wilkinsburg High School	14859 Wallace Ave., Wilkinsburg, Pa.	8AHB	Albert E. Flack	R. F. D. No. 7, Washington, Pa.
8ACY	R. C. Wolfe	912 Blackhoof St., Wapakoneta, Ohio	8AHC	H. B. Harris	216 Garfield Ave., Salem, Ohio
8ACZ	George M. Hoyt	Middle Ridge, Perry, Ohio	8AHD	Walter K. Jeffery	2173 Hilger Ave., Detroit, Mich.
8ADA	N. P. Badina	170 E. Fery St., Buffalo, N. Y.	8AHE	M. W. Hopkins	3125 Peach St., Erie, Pa.
8ADB	Norman H. Gimmy	13503 Emfly St., E. Cleveland, Ohio	8AHF	J. A. Lippert	63 Rose St., Salem, Ohio
8ADC	William Buresch	1726 Smith Way, Carriek, Pa.	8AHG	L. E. Madison	240 Center St., Conneaut, Ohio
8ADD	Carl J. Yeager	225 Hunter Ave., Dayton, Ohio	8AHH	F. S. Grandin	3 Elm St., Piddione, Pa.
8ADE	G. J. Boyle	72 E. Carey St., Plains, Pa.	8AHJ	A. Miller	638 Arden Place, Toledo, Ohio
8ADF	E. Beach	434 S. Grant St., Troy, Ohio	8AHK	J. C. McIlwaine	98 Broad St., Pittsburgh, N. Y.
8ADG	Thos. M. Johnston, Jr.	245 Arlington Ar. S.W., Canton, O.	8AHL	G. H. Hall	22 Buena Place, Rochester, N. Y.
8ADH	C. H. Schrader	1412 Dudley Ave., Utica, N. Y.	8AHM	H. W. Butler	Plum St., Rollin, N. Y.
8ADI	R. K. Strong	24 Palace St., Owego, N. Y.	8AHN	C. M. Decker	43 Adams St., Rochester, N. Y.
8ADJ	M. N. Rohrbach	583 Allegheny Ave., Oakmont, Pa.	8AHO	R. McCaffrey	827 Mt. Hope Road, Cincinnati, Ohio
8ADK	Clarence H. Hoffmann	1420 Anburn Ave., Cleveland, Ohio	8AHP	R. H. Kolks	138 Avondale Ave., Jackson, Mich.
8ADL	C. A. Hultberg	5432-23d St., Detroit, Mich.	8AHQ	Cancelled	827 Mt. Hope Road, Cincinnati, Ohio
8ADM	T. M. Peters	233 Union St., Bellevue, Ohio	8AHR	E. Koch	304 Paulson Ave., Pittsburgh, Pa.
8ADN	W. L. Rust	703 E. State St., Ithaca, N. Y.	8AHS	M. H. Cotton	4 Cornell Ave., Kenmore, N. Y.
8ADO	J. R. Dean	86 Vermont St., Rochester, N. Y.	8AHT	C. F. Patten	140 Carbon St., Toledo, Ohio
8ADP	G. W. Hale, Jr.	1852 Rosalind Ave., E. Cleveland, Ohio	8AHU	P. Kolb	62 Brandon Place, Williamsport, Pa.
8ADQ	I. Patchin	525 Park Ave., Kent, Ohio	8AHV	M. G. Cloek	1237 E. 100th St., Cleveland, Ohio
8ADR	H. C. Leeds	821 Ash St., Scranton, Pa.	8AHW	L. W. Schollanverger	602 N. 2nd St., Pottsville, Pa.
8ADS	T. A. Reynolds	564 East Ave., Medina, N. Y.	8AHX	C. L. Wright	1546 Hopkins Ave., Norwood, Ohio
8ADT	R. E. Bobb	203 Murray St., Wapakoneta, Ohio	8AHY	A. R. Harrey	511 Yankee Rd., Middletown, Ohio
8ADU	H. Mills	807 Hayes Ave., Fremont, Ohio	8AHZ	D. Bear, Jr.	5519 Bartlett St., Squirrel Hill, Pittsburgh
8ADV	John H. McGilnsey	R. F. D. No. 2, Kalamazoo, Mich.	8AI	Frank T. Lenc	3608 Bahwald St., Cleveland, Ohio
8ADW	R. E. Morley	713 N. Park St., Kalamazoo, Mich.	8AIA	Ferris W. Wolfinger	78 Charin St., Binghamton, N. Y.
8ADX	Ralph M. Smith	2249 McGraw Ave., Detroit, Mich.	8AIB	C. J. Fertek	62 Vincent St., Dayton, Ohio
8ADY	D. W. Jones	643 Schuyler Ave., Dorrance, Pa.	8AIC	V. T. Seaman	245 Washington St., Bay Ctr., Mich.
8ADZ	Charles C. Davis	411 Poplar St., Fenton, Mich.	8AID	P. Blake	634 Huron St., Chebecon, Mich.
8AEA	E. McDonnell	815 Bancroft St., Lansing, Mich.	8AIE	L. E. Flagg	158 Anderson Place, Buffalo, N. Y.
8AEB	G. Armstrong	1905 E. 90th St., Cleveland, Ohio	8AIF	Verne E. Smith	7 Knox, Pa.
8AEC	Benjamin Gurr	111 Louisiana Ave., Detroit, Mich.	8AIG	W. O. Schmezer	75 Amanda Ave., Mt. Oliver, Pittsburgh
8AED	Don I. Barringer	1347 N. Edwards St., Kalamazoo, Mich.	8AIH	Russell A. McBride	11000 St., Rittmings, Mich.
8AEE	H. J. Perkins	723 Maple St., Elmira, N. Y.	8AIJ	R. C. Zollitsch	17 Viola Park, Buffalo, N. Y.
	Stephen E. Callahan	117 W. Patterson Ar., Columbus, Ohio	8AIK	H. E. Sumburg	783 7th St., Buffalo, N. Y.
	J. A. Marlen & H. H. Layrita	2269 Harper St., Norwood, Ohio		Charles E. Gross	30 Oak St., Norwalk, Ohio

8A1L Henry L. Wohlers.....Oak Harbor, Ohio  
8A1M E. P. Getter.....R. R. No. 8, Belmont, Dayton, Ohio  
8A1N R. J. Parker.....164 Church St., Buffalo, N. Y.  
8A1O C. W. Ditzell.....212 Spring Ave., E. Pittsburgh, Pa.  
8A1P C. B. Johnson.....1626 Quarrier St., Clelston, W. Va.  
8A1Q R. Slusher.....612 W. Pearl St., Wapakoneta, Ohio  
8A1R W. C. Field.....10305 Olivet Ave., Cleveland, Ohio  
8A1S W. C. Matheny.....45 Bluff Ave., Parkers Landing, Pa.  
8A1T G. S. Solomon.....Main St., W. Cairo, Ohio  
8A1U R. Austin.....538 Park Place, Elyria, Ohio  
8A1V Loys Frank Tice.....15 Thompson St., Catskill, N. Y.  
8A1W Mendall Schneider.....112 Weld St., Rochester, N. Y.  
8A1X Albert E. Sindlinger.....E. Main St., Gnadenbutten, Ohio  
8A1Y James E. Hogan.....26 Lincoln Ave., Crafon, Pa.  
8A1Z H. T. Smith.....123 Springfield Pike, Wyoming, Ohio  
8AJ Clair G. Shafer.....12 Thomas St., Waverly, N. Y.  
8AJA L. G. Ward.....1025 Blair Ave., Scranton, Pa.  
8AJB S. R. Hawley.....619 M. Mantua St., Kent, Ohio  
8AJC F. E. Holcomb.....2401 Maplewood Ave., Toledo, Ohio  
8AJD S. R. Duke.....30 Burns St., Wyoming, Ohio  
8AJE N. J. Dukey.....430 S. Sandusky St., Delaware, O.  
8AJF A. C. Penfield.....Conneautville, O.  
8AJG H. R. Susembl.....529 Penna. Ave., Elmira, N. Y.  
8AJH W. Walker.....Box 113, Marietta, Mich.  
8AJI Gerald E. Hyter.....1319 Felt St., Toledo, Ohio  
8AJJ O. C. Thompson.....3252 Kimball Ave., Toledo, O.  
8AJK J. A. Ulmer.....208 S. Walnut St., Bucyrus, O.  
8AJL J. D. Marsh.....562 Mentor Ave., Painesville, O.  
8AJM Raynal W. Andrews, Jr.....972 Harvard St., Rochester, N. Y.  
8AJN S. F. Kruper.....Amyville, — P. O., Gratztown, Pa.  
8AJO T. B. Keller.....1362 W. 76th St., Cleveland, O.  
8AJP E. End Y. M. C. A.....2053 105th St., Cleveland, O.  
8AJQ Donald A. Yonts.....Main & Railroad Sts., Freerille, N. Y.  
8AJR H. Clark.....307 Huntington Ave., Buffalo, N. Y.  
8AJS G. A. Walde.....233 S. Union St., Salem, O.  
8AJT Phillip Schwartz.....218 Grant St., Washington, Pa.  
8AJU W. B. Wines.....1208 Hill St., Am Arbor, Mich.  
8AJV William Jackson.....80 Burlingame Ave., Detroit, Mich.  
8AJW C. F. C. Sarrer, Jr.....3280 Orleans St., Pittsburgh, Pa.  
8AJX I. M. Chambers.....37 Montrose Ave., Delaware, O.  
8AJY Theo. M. Ryan.....318 Tompkins St., Olean, N. Y.  
8AJZ L. Karnok.....2759 McCurdy Ave., Cleveland, Ohio  
8AK J. H. McMunn.....Cambridge, Ohio  
8AKA J. M. Electric Co.....26-30 Bank Place, Utica, N. Y.  
8AKB A. Morrell.....139 Prospect St., Gloversville, N. Y.  
8AKC Robt. Dalrymple & R. K. Scott.....206 Sycamore St., Dayton, Ohio  
8AKD Norbert W. Steiger.....4212 Apple St., Cleveland, Ohio  
8AKE C. F. Engler.....319 Ellis Ave., Bellevue, Ohio  
8AKF Dwight E. Williams.....2147 Hubbard Ave., Detroit, Mich.  
8AKG Joy C. Adams.....48 N. Wabash St., Battle Creek, Mich.  
8AKH P. T. Craswell.....107 Farragut St., Vandergriff, Pa.  
8AKI Wm. K. Auchenbaugh.....1432 12th Ave., Altoona, Pa.  
8AKJ Arthur C. Wrigley.....369 Paur St., Pittsburgh, Pa.  
8AKK F. N. Kryszewski.....630 Franklin St., Johnstown, Pa.  
8AKL William Van Behren.....2149 Scottwood Ave., Toledo, Ohio  
8AKM G. P. Jones, Jr.....26 Elm St., LeRoy, N. Y.  
8AKN Henry S. Bliby.....Dayton, N. Y.  
8AKO Wilfred L. Daminy.....247 Windemere Av., Highland Pt., Mich.  
8AKP J. D. Bohannon.....226 16th Ave., Columbus, O.  
8AKQ Ward W. Watrous, Jr.....16 S. Main St., Athens, Pa.  
8AKR Franklin B. Riebard.....Breedsville, Mich.  
8AKS Syracuse Amateur Radio Assn.....311 S. Clinton St., Syracuse, N. Y.  
8AKT H. Mattes.....189 Ave. "B", Rochester, N. Y.  
8AKU John E. Van Epps.....Ann St., Pultenville, N. Y.  
8AKV H. E. Hafete.....1072 E. 98th St., Cleveland, Ohio  
8AKW W. D. Myers.....130 Franklin Ave., Vandergriff, Pa.  
8AKX E. H. Cox.....9 Pierce Ave., Hamburg, N. Y.  
8AKY S. W. Brown.....33 Lincoln Ave., N. Tonawanda, N. Y.  
8AKZ F. M. Watgowsky.....1921 9th St., Port Huron, Mich.  
8AL W. E. Weckel.....2118 Tuscarawas St., Canton, Ohio  
8ALA J. H. Dando.....462 Carey Ave., Wilkes-Barre, Pa.  
8ALB J. Althenhead.....182 N. Portage Path, Akron, Ohio  
8ALC L. A. Lang.....1201 Walnut St., Turtle Creek, Pa.  
8ALD J. M. Boyer.....6116 Howe St., Pittsburgh, Pa.  
8ALE Clifford M. McNally.....24 Vinecliff St., Pittsburgh, Pa.  
8ALF John Lekhner.....606 E. Pearl St., Butler, Pa.  
8ALG G. C. Sudborough.....Jonesville, Mich.  
8ALH George P. Dohg.....90 Pleasant St., Ballston Spa, N. Y.  
8ALI R. J. Beatty.....36 Monroe Ave., N. Columbus, O.  
8ALJ Curtis Straw.....R. F. D. No. 2, Harpster, Ohio  
8ALK Theodore Beldon.....404 Erie St., Painesville, Ohio  
8ALL Hewitt S. Morris.....1025 Mary St., Parkersburg, W. Va.  
8ALM C. E. Brewer.....185 Harker St., Mansfield, Ohio  
8ALN Tom L. Smith.....170 Mill St., Conneaut, Ohio  
8ALO Wade McL. Miller.....623 Brownsville Rd., Pittsburgh, Pa.  
8ALP John M. Harrison.....East Mill St., Eldorado, Ohio  
8ALQ M. Crosby Bartlett.....607 Liberty St., Ann Arbor, Mich.  
8ALR E. M. Darms.....3200 Franklin Ave., Cleveland, Ohio  
8ALS H. H. Llpman.....753 Allegheny Ave., Oakmont, Pa.  
8ALT Philto R. Tarr.....St. James Park, Dawson, Pa.  
8ALU J. Lukasto.....1318 1/2 Halsey Place, Pittsburgh, Pa.  
8ALV Norman E. Swartwout.....410 W. Corland St., Groton, N. Y.  
8ALW E. T. Chappel.....300 E. Scott St., Grand Ledge, Mich.  
8ALX R. C. Burns.....743 Putnam Ave., Zanesville, Ohio  
8ALY H. H. Hund.....914 Greyton Rd., Cleveland Hts., O.  
8ALZ Elmer W. Robertson.....Penna. Ave. Ext., Irvira, Pa.  
8AM E. G. Immel.....7556 Richmond Ave., Detroit, Mich.  
8AMA F. Fleming.....124 Evans St., Uniontown, Pa.  
8AMB J. Buehlmann.....73 Garfield St., Lancaster, N. Y.  
8AMC C. M. Voll.....152 Johnson St., Buffalo, N. Y.  
8AMD E. L. Murrill.....Lewisburg, W. Va.  
8AME W. Bell.....141 N. Orchard St., Dayton, Ohio  
8AMF H. E. Blewitt.....1332 Orange Ave., Youngstown, O.  
8AMG H. R. Buecking.....149 Greenfield St., Buffalo, N. Y.  
8AMH G. T. Hart.....196 Lux St., Rochester, N. Y.  
8AMI R. B. Kyle.....2890 Ziegler Ave., Cincinnati, Ohio  
8AMJ Bruce Wm. David.....3263 Grandview Av., Cleveland Hrts., O.  
8AMK H. Latus.....270 Field St., Rochester, N. Y.  
8AML G. S. Whidden.....R. F. D. No. 1, Holt, Mich.  
8AMM C. F. Nichols.....Elm St., Webster, N. Y.  
8AMN J. B. Sponsler.....837 High St., Williamsport, Pa.  
8AMO H. W. Squires.....121 Court St., Binghamton, N. Y.  
8AMP R. Voight.....1514 Clinton St., Sandusky, Ohio  
8AMQ K. Ross.....60 Warwick Ave., Rochester, N. Y.  
8AMR A. B. Fuller.....232 S. Goodman St., Rochester, N. Y.  
8AMS A. H. Buch.....5th Ave., Tavas City, Mich.  
8AMT William L. Bell.....3046 Centre Ave., Pittsburgh, Pa.  
8AMU J. K. Sterrett.....1001 Walnut St., Erie, Pa.  
8AMV Ralph G. Polzenlozen.....1714 Queen City Ave., Cincinnati, O.  
8AMW Robert K. Ranney.....131 Tracy St., Endicott, N. Y.  
8AMX Harry S. Brown.....610 Drummond St., Clarksburg, W. Va.  
8AMY Gilbert H. Hathaway.....155 Warwick Ave., Rochester, N. Y.  
8AMZ H. R. Avery.....8921 Otsego Ave., Detroit, Mich.  
8AN K. Niskanen & C. Matthew.....165 Kaedemacher St., Detroit, Mich.  
8ANA F. P. Oros.....1128 Atwood Ave., Cincinnati, O.  
8ANB C. P. Goetz.....1628 Ansel Road, Cleveland, Ohio  
8ANC Tom Moellman.....Flint, Mich.  
8AND F. D. Fallain.....116 Railroad St., Bloomsburg, Pa.  
8ANE Stanley Stevens.....601 9th St. & 6th Av., Beaver Falls, Pa.  
8ANF H. O. McClure.....557 Phillippi St., Clarksburg, W. Va.

8ANG R. White.....504 E Erie St., Albion, Mich.  
8ANH Frank H. Church.....2302 W. 2nd St., Dayton, Ohio  
8ANI James P. Heck.....Shred' Wh't Co., Niagara Falls, N. Y.  
8ANJ W. C. Marlow.....Herbig Ave., Coshocton, Ohio  
8ANK Henry T. Miller.....1000 Wilhelm St., Defiance, Ohio  
8ANL Waldemar K. Fischer.....816 S. Lang Ave., Pittsburgh, Pa.  
8ANM R. F. Reigelmeier.....635 Lima St., Findlay, Ohio  
8ANN Edwin W. Tarbox.....109 S. Perry St., Johnstown, N. Y.  
8ANO Kenneth H. Allfrey.....19 W. Michigan Ave., Ypsilanti, Mich.  
8ANP F. Sims.....411 Sterling Ave., Syracuse, N. Y.  
8ANQ M. R. Potter.....176 Denton St., Rochester, N. Y.  
8ANR H. Stevenson.....48 Holmes St., Rochester, N. Y.  
8ANS R. D. Haire.....117 Magee Ave., Rochester, N. Y.  
8ANT George E. Francis, Jr.....3114 Iowa St., Pittsburgh, Pa.  
8ANU W. M. Mad. Hammon.....807 Walnut St., Wilkingsburg, Pa.  
8ANV G. M. Luther.....710 Warren Ave., Niles, Ohio  
8ANW J. Planty.....35 Fox St., Gloversville, N. Y.  
8ANX E. E. Cross.....1447 Lincoln Ave., Lakewood, Ohio  
8ANY E. Savage.....Lennon, Mich.  
8ANZ Stanley C. Reed.....80 Spokane Ave., Detroit, Mich.  
8AO E. H. Clark.....1913 Brainerd Ave., Cleveland, Ohio  
8AOA Elmer H. Schmidt.....63 Hughes Ave., Buffalo, N. Y.  
8AOB S. J. Bentler.....1716 Vine St., Cincinnati, Ohio  
8AOC F. Schaefer.....2846-15th St., Detroit, Mich.  
8AOD Theodore Weiss.....319 Elm St., Findlay, O.  
8AOE W. A. Seaman.....809 Berkshire Ave., Pittsburgh, Pa.  
8AOF J. Carl Rosenberg.....733 N. River St., Ypsilanti, Mich.  
8AOG F. Furlong.....631 Stanley Ave., Columbus, Ohio  
8AOH Ralph E. Randall.....Broadway Ave., Fonda, N. Y.  
8AOI Milton A. Ausman.....R. F. D. No. 4, Island Av., Toledo, O.  
8AOJ Robert B. Talbot.....N. Portage Path, Akron, Ohio  
8AOK Maurice A. Knight, Jr.....393 Northampton St., Kingston, Pa.  
8AOL Francis H. Garrahan.....Main St., Farwell, Mich.  
8AOM William Burston.....801 Arden Park, Detroit, Mich.  
8AON C. A. Hunt.....117 Easy St., Uniontown, Pa.  
8AOP E. M. Formli.....525 Summit Ave., Johnstown, Pa.  
8AOQ Howard B. Scott.....R. F. D. No. 2, Box 296, Dayton, O.  
8AOR Harry L. Bastyr.....5th & Park Ave., Dunkirk, N. Y.  
8AOS E. L. Sharp.....151 Chapin St., Binghamton, N. Y.  
8AOT C. Rossback.....15 S. McNab Ave., Syracuse, N. Y.  
8AOU Charles C. Thomas.....2516 Braddock Ave., New Castle, Pa.  
8AOV E. Webb.....117 E. Main St., New London, Ohio  
8AOW H. T. Williams.....55 Warren Ave., Youngstown, Ohio  
8AOX H. T. Herrick, Jr.....19 Reed St., Canajoharie, N. Y.  
8AOPY Chester G. Kaufman.....517 Prescott Ave., Scranton, Pa.  
8AOZ E. S. White.....503 N. James St., Rome, N. Y.  
8AP Cyma J. Staud.....203 Rutgers St., Rochester, N. Y.  
8APA E. Simons.....257 Howard St., Detroit, Mich.  
8APB J. C. Waddington.....White St., Clark Mills, N. Y.  
8APC F. L. Hancock.....8 Argyle St., Geneva, N. Y.  
8APD W. Ward.....4603 Ward St., Cincinnati, Ohio  
8APE Norman Smith.....8058 Chamberlain Ave., Detroit, Mich.  
8APF A. J. Macer.....32 Bank St., Westfield, N. Y.  
8APG Louis Ray Anderson.....Gray Ave., Youngstown, Ohio  
8APH F. J. Boerder.....4250 Collingwood Ave., Toledo, O.  
8API Edward G. Berschig.....Brk Pk. Av., Box 222, Brk Pk. V. O.  
8APJ H. I. Weissleder.....181 Florida St., Buffalo, N. Y.  
8APK James L. Skinner.....Cor. Samuel St., Charlestown, W. Va.  
8APL W. H. McWilliams.....Main St., Morristown, Ohio  
8APM R. J. Roseburg.....231 Erie St., Pt. Huron, Mich.  
8APN C. L. Zahm.....418 East lawn Ave., Detroit, Mich.  
8APO Edward Smith Junior High School.....Lancaster & Broad, Syracuse, N. Y.  
8APP H. W. Hanesworth.....235 Miffoth St., Columbus, Ohio  
8APQ W. E. Lore, Jr.....124 Webb St., Detroit, Mich.  
8APR S. Riegan.....2287 Loth St., Cincinnati, Ohio  
8APS C. H. Geerlings.....90 W. 14th St., Holland, Mich.  
8APT J. Burton Moore.....1364 Drexel Ave., Detroit, Mich.  
8APU Hugh E. Diervendorf.....Grand St., Palatine Bridge, N. Y.  
8APV F. Dieringer.....441 McMeekin Ave., Cincinnati, Ohio  
8APW L. E. Caldwell & R. J. Lewis.....12511 Phillips Ave., E. Cleveland, O.  
8APX W. Pamaris.....7817 Hamilton Ave., Pittsburgh, Pa.  
8APY H. J. Humphrey.....1819 E. 97th St., Cleveland, Ohio  
8APZ H. G. Phillips.....1213 James St., Syracuse, N. Y.  
8AQ G. B. Atkinson.....3700 McGraw Ave., Detroit, Mich.  
8QA Frank M. Thefeis.....5135 Sheridan Ave., Detroit, Mich.  
8QB E. W. Wesselman.....2621 Reading Road, Cincinnati, Ohio  
8QC W. D. Forbey.....309 W. Kearsley St., Flint, Mich.  
8QD H. L. Norton.....810 Broadway St., Bedford, Ohio  
8QE Robert Wm. Brinkman.....2616 Dennis St., Cincinnati, Ohio  
8QF H. Isaacs.....410 Warren St., Marietta, Ohio  
8QG V. C. Henophy.....114 Lowell St., Rochester, N. Y.  
8QH Willard C. Vining.....283 W. College St., Oberlin, Ohio  
8QI Archie W. Paul, Jr.....Bethany Pike, Wheeling, W. Va.  
8QJ F. Ubrhane.....628 4th St., Marietta, Ohio  
8QK J. Nolan.....State St., Boverston, Ohio  
8QL Charles W. Brestle.....1 Ingram Ave., Crafon, Pa.  
8QM Bernhard Donlon.....119 Thompson St., Buffalo, N. Y.  
8QN Olds Rod & Gun Club.....Smethport, Pa.  
8QO J. Edward Pace.....Fernwood Farm, Cazenovia, N. Y.  
8QP H. M. Haskell.....Pleasantville, Pa.  
8QQ J. H. Willis.....110 Washington Ave., Pontiac, Mich.  
8QR Harold D. Osgood.....3128 Canton Ave., Detroit, Mich.  
8QS John F. Weiss.....648 Park Ave., Amherst, Ohio  
8QT P. J. Poland.....347 W. McMillan St., Cincinnati, O.  
8QU L. Makley.....441 N. Front St., St. Marys, Ohio  
8QV E. M. King.....181 Elliott St., Clarksburg, W. Va.  
8QW F. J. Armbruster.....30 Hollister St., Buffalo, N. Y.  
8QX J. E. Wilson.....213 Ohio St., Avalon, Pa.  
8QY G. L. Leighton.....1714 Quasen City Ave., Cincinnati, O.  
8QZ John A. Perry.....McClure, Ohio  
8AR H. F. Tank.....8038 Ferndale Ave., Detroit, Mich.  
8ARA L. G. Hickson.....Lake Ave. Baptist Ch., Rochester N. Y.  
8ARB Richard S. Tener.....129 Breeding St., Ben Avon, Pa.  
8ARC W. P. Reinhoel.....R. F. D. No. 2, Custer, Mich.  
8ARD E. W. Wolf.....3819 Robert St., Cleveland, Ohio  
8ARE L. F. Phillippi.....602 Lillibridge St., Detroit, Mich.  
8ARF Raymond F. Schilling.....108 Fort St., Marietta, Ohio  
8ARG S. H. Zaayer.....1040 E. Main St., Columbus, Ohio  
8ARH Norman C. Reynolds.....105 Kretter St., Buffalo, N. Y.  
8ARI W. F. Widnor.....721 Wheeler Ave., Scranton, Pa.  
8ARJ O. Meiselback.....401 Franklin Ave., Fair City, Mich.  
8ARK George A. Nay.....725 Virginia Ave., Raymond, W. Va.  
8ARL Theodore R. Carier.....1722 Whitney Ave., Niagara Falls, O.  
8ARM Vern H. Vance.....128 Water St., Sandusky, Ohio  
8ARN Herbert T. Jenkins.....5625 Vinewood Ave., Detroit, Mich.  
8ARD B. Diebel.....613 10th St., Oakmont, Pa.  
8ARP Vincent E. Ball.....52 Hammerschmidt St., Buffalo, N. Y.  
8ARQ R. Dando.....35 Miami Blvd., Dayton, Ohio  
8ARR E. Hughes.....4340 W. Warren Ave., Detroit, Mich.  
8ARS Union Central Life Ins. Co.....425 Union Central Bldg., Cincinnati, O.  
8ARU H. J. Kuhl.....Chatham, Ohio  
8ARV W. E. Menges.....3402 Clearfield Ave., Pittsburgh, Pa.  
8ARW Joseph J. Elias.....6271 Army St., Detroit, Mich.  
8ARX E. Sporn.....555 N. Oakland Ave., Sharon, Pa.  
8ARY Daniel H. Zogger.....1215 Sheffield St., Pittsburgh, Pa.  
8ARZ Charles C. Hines.....3255 Cass Ave., Detroit, Mich.  
8AS Tony Gallo.....DuBois, Pa.  
8AS E. R. Wlencke.....406 Boston Blvd., W. Detroit, Mich.  
8ASA C. Carman.....633 W. 5th St., Marysville, Ohio  
8ASB Eddie Doherr.....704 Washington Ave., Monaca, Pa.

8ASC R. Stuart Weeks.....Ridge St., Richmond, Mich.  
8ASD G. M. Gilbert.....748 Cuenango St., Binghamton, N. Y.  
8ASE Vincent S. Wagner.....604 Penn St., Sharpsburg, Pa.  
8ASG L. C. Horton.....3044 Corydon Rd., Cleveland Hts., O.  
8ASH K. R. Smith.....302 W. Center St., Elmira, N. Y.  
8ASH W. L. Fisher.....642 Upson St., Akron, Ohio  
8ASI Bennett A. Kendig.....23 King St., Rochester, N. Y.  
8ASJ Charles E. White.....83 Washington St., Binghamton, N. Y.  
8ASK C. W. Huff.....737 W. 1st St., Elmira, N. Y.  
8ASL B. C. Belden.....160 Temple St., Fredonia, N. Y.  
8ASM W. H. Vogler.....4140 Concord Ave., Detroit, Mich.  
8ASN Myron A. Rawson.....128 Bath St., Elyria, Ohio  
8ASO E. H. Collian.....218 Connecticut Ave., Detroit, Mich.  
8ASP Floyd E. Nicholson.....1220 Highland St., Syracuse, N. Y.  
8ASQ L. Allison.....125 Moss Ave., Highland Park, Mich.  
8ASR H. J. Rowe.....6701 Madison Ave., Cleveland, Ohio  
8ASS R. L. Chambardon.....Braeburn, Pa.  
8AST Stanley C. Church.....408-2nd North St., Syracuse, N. Y.  
8ASU Thurston J. Rowland.....So. Euclid, Ohio  
8ASV H. C. Kauffman.....745 A St., Lorain, Ohio  
8ASW F. W. Foye.....7003 Superior Ave., N.E., Cleveland, O.  
8ASX George Powell.....Lillison St., Romeo, Mich.  
8ASY L. J. Marcus.....131 S. Union St., Olean, N. Y.  
8ASZ L. J. Wilcox.....323 Fulton St., Sandusky, Ohio  
8AT E. J. Dickerson.....8129 Dexter Blvd., Detroit, Mich.  
8ATA H. W. Bower.....4316 High St., Ecorse, Mich.  
8ATB Walter M. McCoy.....2925 Esby St., Dormant, Pa.  
8ATC Elmo A. Murray, Jr.....1227-10th Ave., Huntington, W. Va.  
8ATD John M. Chamberlain.....238 Ninth St., Elyria, Ohio  
8ATE Herbert Snyder.....76 Pine St., Binghamton, N. Y.  
8ATF Walter Trine.....524 Ash St., Scranton, Pa.  
8ATG Lynford C. Norton.....8606 Gratiot Ave., Detroit, Mich.  
8ATH Cancelled  
8ATI W. E. Crofton.....1106 Columbia Ter., Parkersbg, W. Va.  
8ATJ W. A. Merkel.....211 Greendale Ave., Clifton, N.J., O.  
8ATK D. Goldberg.....9251 Delmar Ave., Detroit, Mich.  
8ATL F. Bretschneider.....6059 30th St., Detroit, Mich.  
8ATM Howard K. Bull.....121 V. Alstine Blvd., Wadotte, Mich.  
8ATN S. A. Chamberlain.....184 Grand Ave., E., Highl Pk., Mich.  
8ATP Alvin Schaub.....Promont, Mich.  
8ATQ Howard Bays.....5th Ave., S. Charleston, W. Va.  
8ATR Everett A. Hickson.....1253 Rockley Ave., Lakewood, Ohio  
8ATR L. Selye Whitmore.....110 Dartmouth St., Rochester, N. Y.  
8ATS Bernhard E. Rask, Jr.....4 Andran Ave., West View, Pa.  
8ATU George W. Sawyer.....356 Hazlewood St., Sidney, Ohio  
8ATV Virgil G. Wiley.....119 Dallas St., Sidney, Ohio  
8ATW Shaker Heights High School.....S. Woodland & Southington, Cleve., O.  
8ATX Clifford J. Mack.....49 McGovern Ave., Ashtabula, Ohio  
8ATY James Hampton.....26 Mechanic St., Pontiac, Mich.  
8ATY Harold W. Jaeha.....259 Walbridge Ave., Toledo, Ohio  
8ATZ George Murphy.....20 Walnut St., Salem, Ohio  
8AU C. Allen Ingals.....90 S. Linwood Ave., Crafton, Pa.  
8AUA George B. Sears.....186 Exeter St., Buffalo, Ohio  
8AUB Roland W. Scott.....R. F. D. No. 6, E. Toledo, Ohio  
8AUC Arthur Coe.....134 Fourth St., Wyandotte, Mich.  
8AUD Sam Ventimiglia.....1024 Jos. Campau Ave., Detroit, Mich.  
8AUE John L. Bock.....Mill St., Farmington, W. Va.  
8AUF Earl M. Wilson.....159 Burlington St., Rochester, N. Y.  
8AUG Emmett C. Sutor.....360 Fargo Ave., Buffalo, N. Y.  
8AUH Dayton Mahaffey.....171 Dennison Parkway, Corning, N. Y.  
8AUI Karl H. Keller.....1517 East Blvd., Cleveland, Ohio  
8AUJ Paul Frantz.....1725 E. 89th St., Cleveland, Ohio  
8AUK Charles G. Chapal.....430 Almyra Ave., Youngstown, Ohio  
8AUL George A. Schaefer.....96 Martin St., Rochester, N. Y.  
8AUM C. Elmer Bassett.....906 N. Part St., Kalamazoo, Mich.  
8AUN Quentin H. Ryder.....231 E. Temple St., Wrege, N. Y.  
8AUO Roger G. Jacobus.....312 Beakes St., Ann Arbor, Mich.  
8AUP James Kucera.....3459 East Blvd., Cleveland, Ohio  
8AUQ Sherman Tucker.....Marlette, Mich.  
8AUR Kenneth Williams.....729 W. Franklin St., Jackson, Mich.  
8AUS Chester Bolts.....3829 Memphis Ave., Cleveland, Ohio  
8AUT Harold P. Davis.....1125 Forest Road, Lakewood, Ohio  
8AUV Theodora L. Witter.....1611 Shorb Ave., N. W., Canton, O.  
8AUW Harold J. Hill.....1372 W. 85th St., Cleveland, Ohio  
8AUX Virgil G. Wiley.....119 Dallas St., Sidney, Ohio  
8AUY George Z. Jackson.....1289 W. 76th St., Cleveland, Ohio  
8AUZ Elmer H. Kumpf.....Crittenden, N. Y.  
8AV Edward Brandt.....3333 Seymour Ave., Cleveland, Ohio  
8AV John D. Haynes.....266 Preston Rd., Columbus, Ohio  
8AVA Melvin Duffy.....314 S. Cavalry Ave., Detroit, Mich.  
8AVB Vitus Richard Schneider.....515 Hackett Rd., Toledo, Ohio  
8AVC Harold Abell.....1556 E. 86th St., Cleveland, Ohio  
8AVD Theron Tappan.....547 Clark St., Waverly, N. Y.  
8AVE Karl W. Busch.....637 Englewood Ave., Buffalo, N. Y.  
8AVF Darrell C. Frick.....308 11th St., New Brighton, Pa.  
8AVG Abton Z. Blair, Jr.....5th & Courth Sts., Portsmouth, Ohio  
8AVH Roger Lynn.....211 High St., Xenia, Ohio  
8AVI Kenneth Bronson.....138 Washington St., Williamsport, Pa.  
8AVJ Otto Miller.....47 Barclay St., Canajoharie, N. Y.  
8AVK Francis Evers.....East Main St., East Aurora, N. Y.  
8AVL Wesley F. Butler.....456 Mahoning St., Leighton, Pa.  
8AVM Wesley B. Hargraves.....724 Carlysle St., Akron, Ohio  
8AVN Robert M. Mason.....124 Holmes Ave., Lima, Ohio  
8AVO Howard L. Glenn.....356 W. 7th Ave., Columbus, Ohio  
8AVP Edmund H. Brigham.....305 Woodbridge Ave., Buffalo, N. Y.  
8AVQ Percival J. Smith.....601 S. Main St., Charlotte, Mich.  
8AVR Harold E. Hotelling.....106 Forest St., Gloversville, N. Y.  
8AVS William C. Babcock.....112 Head St., Penn Yan, N. Y.  
8AVT Harry R. Kinny.....1808 Middleburst Rd., Cleve. Hgts., O.  
8AVU James L. Pollard.....302 American Ave., Butler, Pa.  
8AVV Jacob W. Walter.....3201 W. 88th St., Cleveland, Ohio  
8AVW George L. Rhodes.....St. Albans, W. Va.  
8AVX Harold C. Walborn.....927 Greyton Rd., Cleveland Hgts., O.  
8AVY Charles H. Allen.....13 Krutz Ave., Lancaster, N. Y.  
8AVZ John H. Terbrack.....3169 W. 90th St., Cleveland, Ohio  
8AW John J. Lipko.....41 Cleveland St., Hudson, Pa.  
8AWA Walter A. May, Jr.....5807 Solway St., Pittsburgh, Pa.  
8AWB Kenneth Stettinius.....Lakemont, Mich.  
8AWC William Y. Sandison.....1181 N. Lockwood St., E. Cleve., O.  
8AWD Frederick Peters, Jr.....1825 Rosalind Ave., E. Cleveland, O.  
8AWE Albert B. Cozens.....13306 Claiborne Ave., E. Cleveland, O.  
8AWF Edwin M. Prentke.....10013 Somerset Ave., Cleveland, Ohio  
8AWG Maude Benskin.....1410 Fulton Rd., N. W., Canton, O.  
8AWH Norman Heym.....2214 Barber Ave., Cleveland, Ohio  
8AWI Stephen E. Shepard.....1207 Hall Ave., Lakewood, Ohio  
8AWJ J. F. Corcoran.....118 Hamilton St., Ogdensburg, N. Y.  
8AWK John Shugard.....11815 Miles Ave., Cleveland, Ohio  
8AWL E. C. Shepherd.....912 Central St., Sandusky, Ohio  
8AWM Jack Kuenhold.....2733 Endicott Rd., Cleveland, Ohio  
8AWN Clinton A. Petry.....603 Wayne Ave., Greenville, Ohio  
8AWO Murel Ballard.....R. F. D. No. 1, Bedford, Mich.  
8AWP Samuel Woodworth.....425 Brownell St., Syracuse, N. Y.  
8AWQ Frederick T. Schell.....Galloway & Pleasant Sts., Xenia, Ohio  
8AWR Frank Steele.....230 Georgia Ave., Lorain, Ohio  
8AWS John D. Colvin.....111 George Ave., Parsons, Pa.  
8AWT Albert Eckhart, Jr.....1917 W. 65th St., Cleveland, Ohio  
8AWU William S. Heston.....127 Wilson Ave., Columbus, Ohio  
8AWV William A. McCormick.....566 N. Detroit St., Xenia, Ohio  
8AWW Robert Slemmer.....97 Florida St., Buffalo, N. Y.  
8AWX Victor D. Gestys.....Hiran, Ohio  
8AWY Mansel D. Van Horn.....233 Washington St., Geneva, N. Y.

8AWZ Rev. C. L. White.....Main St., Stockdale, Ohio  
8AX Leonard E. Larson.....58 Oliver St., No. Tonawanda, N. Y.  
8AXA Frank Foster, Jr.....387 Osceola St., Kingston, Pa.  
8AXB A. Hubner.....14 Herman St., Cincinnati, Ohio  
8AXC Edw. Manley.....328 4th St., Marietta, Ohio  
8AXD Fred H. Biever.....707 W. Water St., Smetport, Pa.  
8AXE Cletus J. Colton.....1004 Smith St., Essexville, Mich.  
8AXF Waldo Sayles.....Huron St., Milan, Ohio  
8AXG Kenneth R. Greenwood.....12 Ericson Pl., Niagara Falls, N. Y.  
8AXH Lou H. Schramm.....216 W. Utica St., Buffalo, N. Y.  
8AXI Chauncy E. Howland.....1027 Madison St., Syracuse, N. Y.  
8AXJ Harrison B. Sturgis.....362 Markenson St., Columbus, Ohio  
8AXK Frank Walker.....1626 Potter Pl., Cincinnati, Ohio  
8AXL Robert G. McHugh.....35 TAYtor Ave., Binghamton, N. Y.  
8AXM Maynard J. Columbe.....26 River St., Plattsburg, N. Y.  
8AXN Alvan R. Dean.....Brocton, N. Y.  
8AXO Howard E. Kohler.....1034 Whitesboro St., Utica, N. Y.  
8AXP Luther H. Reiner.....511 Miller Ave., Columbus, Ohio  
8AXQ Aloysius L. Voegels.....38 W. Main St., Lancaster, N. Y.  
8AXR Carl & John Herrick.....Aurora Rd., Twinsburg, Ohio  
8AXS Donald Gull.....2246 E. 103d St., Cleveland, Ohio  
8AXT Earl Hanson.....588 Carlysle St., Akron, Ohio  
8AXU Donald A. Marshall.....Cazenovia, N. Y.  
8AXV John I. Boyd.....1024 Maple Ave., Wilmerding, Pa.  
8AXW Edw. H. Aker.....Old Troy Pike, Phenonton, Ohio  
8AXX Clark Galbreath.....202 E. Main St., Union, N. Y.  
8AXY Hoy B. Fawcett.....512 Cottage Ave., Fairmont, W. Va.  
8AZ Eugene E. Pearson.....515 St. Louis St., Toledo, Ohio  
8AZA Arthur J. Cramer, Jr.....141 Hoyt St., Buffalo, N. Y.  
8AZB Wilbur E. Cross.....2372 W. 12th St., Cleveland, Ohio  
8AZC Harry E. Frost.....249 Pine St., Buffalo, N. Y.  
8AZD John G. Koedel.....409 Norman Ave., Fonitora, Pa.  
8AZE Arthur Lee Koss.....10 Lenox St., Rochester, N. Y.  
8AZF Walter E. Langworthy.....32 Crombie St., Rochester, N. Y.  
8AZG Raymond E. Hawring.....4836 Meldrum Ave., Detroit, Mich.  
8AZH Frank J. Kaehni.....3267 Seranton Ave., Cleveland, Ohio  
8AZI Robert Leary.....15 Vernon Place, Buffalo, N. Y.  
8AZJ Tracy G. Brown.....428 State St., Traverse City, Mich.  
8AZK Stephen L. Dunigan.....333 Glen Ave., Springfield, Ohio  
8AZL Robert Durdam.....R. F. D. No. 3, Stafford, N. Y.  
8AZM Edw. Savage.....1447 Lincoln Ave., Latwood, Ohio  
8AZN R. W. Bussell & M. Nichols.....78 Newton St., Jamestown, N. Y.  
8AZO Ray F. Shima.....3396 E. Fairfax Ave., Cleve. Hgts., O.  
8AZP Gilbert Broughton.....41 Nathan St., Ashtabula, Ohio  
8AZQ William B. Butcher.....Waynesfield, Ohio  
8AZR Gustave Weiss.....1167 Jay St., Rochester, N. Y.  
8AZS Harold H. Roehrig.....50 Poplar St., Wyandotte, Mich.  
8AZT Charles J. Scott.....1298 E. 142d St., E. Cleveland, O.  
8AZU Herbert V. Stevens.....63 Edson Ave., Buffalo, N. Y.  
8AZV Homer G. Gano.....3300 Elland Ave., Cincinnati, Ohio  
8AZW Wayne Galloway.....530 Fairchild St., Kent, Ohio  
8AZX Harold E. Day.....405 E. 13th St., Columbus, Ohio  
8AZY Edw. Trammans.....778 South St., Findlay, Ohio  
8AZZ Robert S. VanCleve.....501 Strathmore Ave., Cleveland, O.  
8BA Les C. Evans.....Somerset, Pa.  
8BAA Richard Greenwald.....1032 Ashbury Ave., Cleveland, Ohio  
8BAB Glynn Lockner.....316 S. Tyler St., Van Wert, Ohio  
8BAC Leon R. McDonald.....101 Louisa St., Utica, N. Y.  
8BAD Keith Bernard.....321 N. Dewey St., Orosco, Mich.  
8BAE Duane Ingraman.....136 Abbott St., Detroit, Mich.  
8BAF Duane Ingraman.....83 Sickley Ave., Hermlin, Pa.  
8BAG George R. White.....1813 S. Washington Av., Lansing, Mich.  
8BAH Harry C. Eldridge, Jr.....314 Natl. Av., N.W., Grd. Rap., Mich.  
8BAI Fred W. Scholl, Jr.....1024 Grand Ave., Dayton, Ohio  
8BAJ Ira Hoffstaetter.....2905 Observatory Rd., Cincinnati, Ohio  
8BAK Blmer W. Zimmerman.....216 E. Main St., New London, Ohio  
8BAL Dwight Ward & K. Lambright.....274 Baynes St., Buffalo, N. Y.  
8BAM Ira A. McCowan.....169 Fourth St., N.W., Carrollton, O.  
8BAN Melvin L. Miller.....170 N. Gallatin Ave., Uniontown, Pa.  
8BAO Howard B. Moutt.....16 W. Walnut St., Oxford, Ohio  
8BAP Arthur C. Boardman.....264 Field St., Rochester, N. Y.  
8BAQ Ludwig Hommel & Co.....1560 Pratt St., Elmira, N. Y.  
8BAR Everet Sawyer.....205 Conniston St., Pittsburgh, Pa.  
8BAS Ferris MacA. Smith.....7741 Dexter Blvd., Detroit, Mich.  
8BAT Harold D. Stockel.....122 Garfield St., Elmira, N. Y.  
8BAU Stuart Shapiro.....2015 Bailey Ave., Buffalo, N. Y.  
8BAV Arsene Martens.....117 W. Court St., Warsaw, N. Y.  
8BAW David H. McKinley.....4710 Bewick Ave., Detroit, Mich.  
8BAX Albert M. Huestad.....State St., Curwensville, Pa.  
8BAZ Orris W. McKenrick.....33 Charles St., Uniontown, Pa.  
8BA Edw. H. Koehn.....5416 24th St., Detroit, Mich.  
8BAA Earl Stine.....989 Meldrum Ave., Detroit, Mich.  
8BAB Bert Winters.....122 Kington Ave., Battle Creek, Mich.  
8BAC Henry P. Brown.....1905 Carson St., Pittsburgh, Pa.  
8BAD Franklin K. Trout.....Clinton St., Clark Mills, N. Y.  
8BAE Henry S. Cushman.....7 River St., Tippecanoe City, Ohio  
8BAF Floyd L. Ritterman.....215 Jackson St., N. S., Pittsburgh, Pa.  
8BAG Frank H. Carroll.....2946 W. Liberty St., Pittsburgh, Pa.  
8BAH Harry Tummonds.....3200 Franklin Ave., Cleveland, Ohio  
8BAI Henry M. Burt, Jr.....1507 Francis St., Jackson, Mich.  
8BAJ Charles Roberts.....157 Part St., Buffalo, N. Y.  
8BAK Carlisle Schroeder.....40 VanAlstine Blvd., Wyandotte, Mich.  
8BAL William D. Settle.....Maine St., West Lafayette, Ohio  
8BAM William C. Reichard.....205 Bear St., Syracuse, N. Y.  
8BAN Craig F. McKinney.....121 Prospect St., Itasca, N. Y.  
8BAO William E. Marshall.....East Springfield, N. Y.  
8BAP Paul Smith.....House of David, Benton Harbor, Mich.  
8BAQ Warren M. Columbia.....Burgetstown, Pa.  
8BAR Kenneth Swanson.....47 Drullard Ave., Lancaster, N. Y.  
8BAS Herbert L. Gordon.....East River St., Antwerp, Ohio  
8BAT Charles L. Cunningham.....955 S. Jackson St., Jackson, Mich.  
8BAU Stanley Glaser.....13 Audubon St., Rochester, N. Y.  
8BAV L. H. Krompart.....215 Williams St., Medina, N. Y.  
8BAW Ralph Bostwick.....135 Broad St., Waverly, N. Y.  
8BAX B. & G. Laboratories.....1025 Front St., Toledo, Ohio  
8BAB Donald P. Greene.....129 Lake St., Kent, Ohio  
8BAZ Robert E. Stealey.....947 Market St., Parkersburg, W. Va.  
8BB Norman P. Mason.....85 Brinkerhoff St., Plattsburg, N. Y.  
8BBB Norman Stecker.....13022 Lake Shore Blvd., Cleveland, O.  
8BBC Harvey C. Bingham.....14617 Lake Shore Blvd., Cleveland, O.  
8BBD Edw. G. Enderle.....272 Franklin St., Columbus, Ohio  
8BBE Elmer W. Zimmerman.....45 Cheltenham Drive, Buffalo, N. Y.  
8BBF Oliver Sterling, Jr.....Prospect St., Romeo, Mich.  
8BBG J. Mark Moore.....406 N. Market St., East Palestine, O.  
8BBH William C. Rhodes, Jr.....13401 Lake Shore Blvd., Cleveland, O.  
8BBI Dana A. Young.....New Straitsville, Ohio  
8BBJ E. Roland Blodgett.....33 Canadaway St., Fredonia, N. Y.  
8BBK Wayne H. Gabert.....314 E. Pike St., Pontiac, Mich.  
8BBL Cyrus H. Fraser.....48 Glenwood Ave., Buffalo, N. Y.  
8BBM Harry Dudley.....287 E. Utica St., Buffalo, N. Y.  
8BBN Harold N. Umharger.....239 W. 5th St., Mansfield, Ohio  
8BBP Walton Gutting.....155 Whitmore St., Pontiac, Mich.  
8BBO Benjamin J. Trescott.....10 Pine St., Norwalk, Ohio  
8BBP Paul Crouch.....Parma Heights, Ohio  
8BBQ D. Lawrence Jacobs.....396 Oakland Ave., Pontiac, Mich.  
8BBR Franklin Dunn.....106 Geneva Ave., Highland Pk., Mich.  
8BBS Albert L. Wahl.....Pioneer & McNally Sts., Pittsburgh, Pa.  
8BBT Lester F. Long.....1704 E. 79th St., Cleveland, Ohio  
8BBU Rolley F. Moler.....342 S. Ohio Ave., Columbus, O.  
8BBV Arthur C. Young.....1311 Abbott Rd., Buffalo, N. Y.



8BBW Radioelectric Shop ..... 1268 W. 115th St., Cleveland, Ohio  
8BBX Robert A. Kunkel ..... 1284 Westlake Ave., Lakewood, Ohio  
8BBY Albert C. Ellsworth ..... 2904 Warrington Rd., Cleveland, Ohio  
8BBL L. McDowell ..... 1838 N. Bend Road, Cincinnati, Ohio  
8BC Melvin M. Burtes ..... 900 N. Alford St., Syracuse, N. Y.  
8BCA J. E. Hausser ..... 3344 E. 128th St., Cleveland, Ohio  
8BCB John F. Wilhelm ..... 308 Louisa St., Williamsport, Pa.  
8BCD Paul E. Horton ..... 207 Elmwood Ave., Newark, Ohio  
8BCE Theodore L. Kramer ..... 4232 Riverside Drive, West Park, O.  
8BCF Read Gebhardt ..... 38 N. Pleasant St., Norwalk, Ohio  
8BCG Harold E. Hertz ..... Grove St., Sewickley, Pa.  
8BCH Ray E. Finley ..... 1199 Gladys Ave., Cleveland, Ohio  
8BCI William P. Strangward ..... 1642 Elmwood Ave., Lakewood, Ohio  
8BCJ Duncan Livingston, Jr. .... New Middletown, Ohio  
8BCK Everett Christensen ..... 167 Walnut St., Ashtabula, Ohio  
8BCL Halver F. Holbeck ..... 1835 W. 65th St., Cleveland, Ohio  
8BCM George A. Caters ..... 118 Summit St., Ithaca, N. Y.  
8BCN Cascadeilla School ..... Y.M.C.A., Cornwall-on-Hudson, N.Y.  
8BCO Ira D. Taber ..... 1245 Manor Park, Cleveland, Ohio  
8BCP D. A. Crossley ..... 502 6th St., Rochester, N. Y.  
8BCQ William E. Hamp ..... 826 Pine St., Port Huron, Mich.  
8BCR Marshall B. Stacey ..... Earl Cassell ..... 45 Lincoln St., Grafton, W. Va.  
8BCS S. Davis Younger ..... 13513 Lake Shore Blvd., Cleveland, O.  
8BCT Cotesworth M. Jackson ..... 136 Mill Creek Ave., Pittsburgh, Pa.  
8BCU I. Kunnells ..... 323 Griggs St., Rochester, Mich.  
8BCV Fred W. Russell ..... 931 Kensington Ave., Grd. Rap., Mich.  
8BCW J. Alton Fitch ..... 1005 Union St., Rome, N. Y.  
8BCX Harold C. Urschel ..... 23 N. Washington St., Delaware, Ohio  
8BCY Francis V. Broady ..... 447 Division Ave., Grand Rap., Mich.  
8BCZ George F. Hall ..... 5135 Main St., Norwood, Ohio  
8BD Vernon L. Latbrop ..... 11 White St., Blissfield, Mich.  
8BDA Edwin Garrison ..... 515-10 1/2 St., Parkersburg, W. Va.  
8BDB Joe J. Hill ..... 1572 Virginia St., Charleston, W. Va.  
8BDC Harry R. Maule ..... 924 Rawson Ave., Fremont, Ohio  
8BDD Donice E. Hinton ..... 329 N. 9th St., Cambridge, Ohio  
8BDE Arthur R. Knight ..... 148 W. Winton St., Delaware, Ohio  
8BDF Merwyn H. Blair ..... R.F.D. No. 2, Wakeman, Ohio  
8BDG Frank Schweitzer ..... 5116 Ludlow Ave., St. Barnard, Ohio  
8BDH Martin H. Gambee ..... 97 Huntington Ave., Buffalo, N. Y.  
8BDI Edmund S. Smith, Jr. .... Creek Road, LaSalle, N. Y.  
8BDJ Hughie J. Reddaway ..... 517 Woodland Ave., Toledo, Ohio  
8BDK W. S. Gould ..... 2644 Ashton Rd., Cleveland Hgts., O.  
8BDL Saginaw High School ..... 511 N. 10th St., Saginaw, Mich.  
8BDM Lloyd F. Kridler ..... 89 Owen St., Detroit, Mich.  
8BDN Carl Smither ..... 90 Woodward Ave., Buffalo, N. Y.  
8BDO Harry C. Blackburn ..... 65 W. Miami Blvd., Dayton, Ohio  
8BDP Miri R. Garrod ..... 447 E. North Ave., East Palestine, O.  
8BDQ Raiph A. Smith ..... 1030 Neptune Ave., Chester, W. Va.  
8BDR De Loss Underwood ..... 113 Pine Grove Ave., Pontiac, Mich.  
8BDS Jackson K. Sterrett ..... 1001 Walnut St., Erie, Pa.  
8BDT Elroy J. Barkley ..... 391 Alice St., East Palestine, Ohio  
8BDU Henderson Lynn ..... 16 Oakland Ave., Uniontown, Pa.  
8BDV Joe Marsch ..... 1396 E. 63d St., Cleveland, Ohio  
8BDW William F. Lutes ..... 2333 Lena St., Flint, Mich.  
8BDX Robert M. Nelson ..... 58 Pennsylvania Av., Binghamton, N.Y.  
8BEY Howard R. Stevenson ..... 8341 Mack Ave., Detroit, Mich.  
8BDZ Gerald C. Covey ..... 14219 Potomac Ave., E. Cleveland, O.  
8BE Jesse J. Francis ..... 14309 Brook Dr., Maple Hts., Cleve., O.  
8BEA Hobart H. Newell ..... 516 Holmes St., Wilkinsburg, Pa.  
8BEB Rudolph S. Lapp ..... 72 Walcott St., LeRoy, N. Y.  
8BEC Levi F. Nelson ..... 407 Prospect St., Flint, Mich.  
8BED John Robertson ..... 206 Dewey St., Edgewood, Pa.  
8BEE Bernard Brinker ..... St. Vincent Archabbey, Beatty, Pa.  
8BEF Fred D. Tidball ..... 10818 Churchill Ave., Cleveland, O.  
8BEG Kimmel A. Sylvester ..... 4523 Friendship Ave., Pittsburgh, Pa.  
8BEH Frederick C. Marx ..... 541 Evanswood Place, Cincinnati, Ohio  
8BEI Hillis Hoover ..... 1168 Carlson Rd., East Cleveland, O.  
8BEJ Edmund N. Yeager ..... 522 Hackett Rd., Toledo, Ohio  
8BEK George M. Kinsey ..... 1511 Hamlet St., Columbus, Ohio  
8BEL Richard Ogden ..... 69 Carroll St., Binghamton, N. Y.  
8BEM Richard B. Ogden ..... 17 Suamit St., Batavia, N. Y.  
8BEN Glen Katzenberger ..... 1121 W. Main St., Springfield, Ohio  
8BEJ Nathaniel S. Sherman ..... 418 Sherman St., Watertown, N. Y.  
8BEP E. J. Allen ..... Jefferson & Arabella St., Defiance, O.  
8BEQ Clayton D. English ..... 9 Bradley St., Binghamton, N. Y.  
8BER Robert E. Fithian ..... 200 East Pine St., Grove City, Pa.  
8BES Charles E. Underhill, Jr. .... 538 Howell Ave., Cincinnati, Ohio  
8BET Eugene E. Alden ..... 3466 Stickney Ave., Toledo, Ohio  
8BEU Stanley H. Tuck ..... 6 Milton St., Tonawanda, N. Y.  
8BEV Dexter S. Kimball ..... 5 Central Ave., Ithaca, N. Y.  
8BEW Harold M. Leffingwell ..... 1010 N. Pine St., Lansing, Mich.  
8BEX William A. Wright ..... 26 Bellevue Ave., Dayton, Ohio  
8BEY Charles H. Bellnap ..... 729 E. 6th Ave., Columbus, Ohio  
8BEZ Peter A. Snell ..... 1 Highland Heights, Rochester, N. Y.  
8BF Orrie Baumgardner ..... 1409 Lorain Ave., Cleveland, Ohio  
8BFA Eugene G. Penquet ..... 335 Adam St., Tonawanda, N. Y.  
8BFB Robert Wettengel ..... 8443 Curzon Ave., Cincinnati, Ohio  
8BFC Ernest E. Stratton ..... New Baltimore, Mich.  
8BFD Amos Hostetler ..... 416 Williams Rd., Bellefontaine, Ohio  
8BFE Charles R. Bell ..... 282 Union Ave., Williamsport, Pa.  
8BFF Pontiac High School ..... W. Huron & State St., Pontiac, Mich.  
8BFG Frank M. Duff ..... 28 1/2 Stair Ave., Detroit, Mich.  
8BFH Paul Beckberger ..... 149 Benedict St., Norwalk, Ohio  
8BFI Clifford Anderson ..... R.F.D. No. 4, Mercer, Pa.  
8BFJ John E. Ross ..... 409 Cherry St., Clearfield, Pa.  
8BFK Alfred R. Tuxill ..... 497 S. Paddock St., Pontiac, Mich.  
8BFL Hoyt S. Scott ..... 1857 Indianola Ave., Columbus, Ohio  
8BFM Carl J. Sonneberger ..... 919 Beardsley St., Akron, Ohio  
8BFN Roland G. Pearth ..... 837 Superior St., Toledo, Ohio  
8BFO Darrell W. Drury ..... 1505 Diamond St., Toledo, Ohio  
8BFP Walter A. Havrance ..... R.F.D. No. 7, Pontiac, Mich.  
8BFF Charles S. Shotwell, Jr. .... 1466 Victoria Ave., Lakewood, Ohio  
8BFR Frank A. Nelson ..... 31 W. Grace St., Berford, Ohio  
8BFS Willard F. Diehl ..... Y.M.C.A., 2d & Market, Hamilton, O.  
8BFT Harry M. Rodgers ..... 516 Highland Place, Bellevue, Pa.  
8BFV Bert B. Kahn ..... 731 Longfellow Ave., Detroit, Mich.  
8BFW Raymond Mills ..... 133 Riverview Ave., Endicott, N. Y.  
8BFX Miles McKearney ..... 10608 Gooding Ave., Cleveland, Ohio  
8BFY Elmer L. Horlacher ..... R. R. No. 8, Dayton, Ohio  
8BFZ Lynn B. Crossby ..... 14581 Lorain Ave., West Park, Ohio  
8BG Leander J. Steiner ..... 1107 W. 28th St., Erie, Pa.  
8BG John F. Griffin ..... 1838 Rock Rd., Cleveland Heights, O.  
8BGA Sidney J. Dewding ..... 57 Wells St., Mount Clemens, Mich.  
8BGB Maxton R. Davies, Jr. .... 3038 Chabourne Rd., Cleveland, Ohio  
8BGC John W. Cramer, Jr. .... 103 Christians St., N. Tonawanda, N.Y.  
8BGD Joseph Lucas ..... 1917 E. 71st St., Cleveland, Ohio  
8BGE Matthew J. Burrell ..... 200 Lansley Ave., Pittsburgh, Pa.  
8BGF Runyan Hyatt ..... 202 Rogers St., Mount Vernon, Ohio  
8BGG Irvin W. Meyers ..... 514 E. Green St., Conneville, Pa.  
8BGH William Neal Small ..... 703 W. Cedar St., Kalamazoo, Mich.  
8BGI Ardel H. Snaidling ..... 61 Massachusetts Av., Battle Crk., Mich.  
8BGJ Arthur L. Walsler ..... Line St., Chesaaning, Mich.  
8BGK George G. Brandle ..... 740 Ragley Ave., Battle Creek, Mich.  
8BGL Wayne A. Schaefer ..... 95 Highway St., Battle Creek, Mich.  
8BGM Max M. Henderson ..... 1452 Comfort Ave., Lansing, Mich.  
8BGN Frank T. Palmer ..... 905 Cass St., Traverse City, Mich.  
8BGO Bert Knappen ..... 2021 Place Av., S.W., Gd. Rap., Mich.  
8BGP Vaughn E. Bolles ..... Styker, Ohio  
8BQQ Herbert A. Westveer ..... 84 Nagold St., Grand Rapids, Mich.  
8BGR George E. Smith ..... 813 Davis St., Kalamazoo, Mich.

8BGS Richard A. Lawson ..... 122 S. Bailey St., Cheboygan, Mich.  
8BGT Arthur T. Ash ..... 600-3d St., St. Clair, Mich.  
8BGU Ferdinand L. Westeimer ..... 3708 Washington Ave., Cincinnati O.  
8BGV Lewis E. Springer ..... 6 Woodruff Place, Auburn, N. Y.  
8BGW Clifford B. LaFaber ..... Rathbone Addition, Marietta, Ohio  
8BGX Kenneth H. Wildern ..... Mather Hall, Olivet, Mich.  
8BGY Harold R. Hayes ..... 34 Front St., Canajoharie, N. Y.  
8BGZ Donald Miquel ..... 609 South Ray St., New Castle, Pa.  
8BH James E. Adams ..... 169 Fougeran St., Buffalo, N. Y.  
8BHA A. L. Albright ..... 180 W. Madison St., Rochester, Pa.  
8BHB Philip T. Sherman ..... 209 E. High St., Defiance, Ohio  
8BHC Everett E. Baldwin ..... Lakemont, N. Y.  
8BHD Allen W. Stirete ..... West Mansfield, Ohio  
8BHE Damon P. Wilson ..... 120 W. 6th St., Greenville, Ohio  
8BHF Roger B. Greenman ..... 144 West Ave., Fairport, N. Y.  
8BHG Frank Falkner ..... 13 Fruen St., Norwalk, Ohio  
8BHH Herman R. Derby ..... 124 Steward Ave., Auburn, N. Y.  
8BHI Burton O. Slocum ..... 337 Parkdale Ave., Buffalo, N. Y.  
8BHJ Kenneth L. Warren ..... 51 Carroll St., Binghamton, N. Y.  
8BHK Maurice Carney ..... Jefferson St., Phoenix, N. Y.  
8BHL Oks V. Swisher ..... 114 Chicago St., Fairmont, W. Va.  
8BHM Frederick U. Leitinger ..... 6-5th St., Clearfield, Pa.  
8BHN J. L. Masteller ..... 106 E. Burgess St., Mount Vernon, O.  
8BHO Roy K. Bolenbaugh ..... 41 Fair Ave., W. Lancaster, Ohio  
8BHP Welland A. Staley ..... 120 1/2 Main Ave., Sidney, Ohio  
8BHQ Ray Spencer Blaydon ..... 1300 Walnut St., Shamokin, Pa.  
8BHR Richard J. Evans ..... 26 Division St., Gloversville, N. Y.  
8BHS Raiph B. Oldham ..... East North St., Sidney, Ohio  
8BHT Roland W. Besecker ..... 711 Wheeler Ave., Scranton, Pa.  
8BHU Kenneth Mitchell ..... Milan, Ohio  
8BHV Wilson B. Rector ..... Brandenburg St., Belington, W. Va.  
8BHW Rudolph R. Young ..... Gray, Pa.  
8BHX John D. Anderson ..... 300 Little Ave., Ridgway, Pa.  
8BHY Warren G. Leeka ..... 613 E. Center St., Marion, O.  
8BHZ F. M. Gebring ..... 614 Hamilton St., Toledo, Ohio  
8BI George E. Bourne ..... 859 Washington St., Dayton, Ohio  
8BIA Elmer B. Hill ..... Deshier, Ohio  
8BIB Walter G. Baker ..... 81 S. Oakley Ave., Columbus, Ohio  
8BIC George M. Johnson ..... 1031 Juliana St., Parkersburg, W. Va.  
8BID Frank C. Lumney ..... 237 Masten St., Buffalo, N. Y.  
8BIE Waldo Davidson ..... 207 Maple St., Marietta, Ohio  
8BIF Merrill D. Baldwin ..... R. D. No. 3, Delaware, Ohio  
8BIG Karl Alex. Shepp ..... 54 Barney St., Wilkes-Barre, Pa.  
8BIH Chas. W. Shupe ..... 612 Walnut St., Irwin, Pa.  
8BIJ Walter A. Weiss ..... Jefferson St., Jefferson, Ohio  
8BIK Joseph Nader ..... Kellys Island, Ohio  
8BIL Carl J. Schleve ..... 1030 Dodgson Court, Dayton, Ohio  
8BIM Gilbert S. Wickizer ..... Leonhart Bldg., Warren, Pa.  
8BIN Farnham Hogue ..... 20 East St., Ashtabula, Ohio  
8BIO Earl J. Nicholson ..... 1407 First North St., Syracuse, N. Y.  
8BIP Anthony R. Kindl ..... 61 Arnold Ave., Amsterdam, N. Y.  
8BIQ John A. Potter ..... 213 Westminster Ave., Syracuse, N. Y.  
8BIR Robert L. Travis ..... 732 Wheeler Ave., Scranton, Pa.  
8BIS Edwin S. Heiser, Jr. .... 323 Market St., Lewisburg, Pa.  
8BIT Albin D. Barkeloo ..... 280 S. Sandusky St., Delaware, Ohio  
8BIU Lancaster High School ..... Mr. F. H. Rutherford, Lancaster, Ohio  
8BIV Herbert Matzinger ..... 3345 Blanchard St., Toledo, Ohio  
8BIW Charles Colmer Dengler ..... 44 University Ave., Delaware, Ohio  
8BIY William Porter Liller ..... Davis St., Keyser, W. Va.  
8BIZ Lawrence G. Hickson ..... E. Parkway, R.F.D., Rochester, N. Y.  
8BJ Leander J. Steiner ..... 1157 W. 28th St., Erie, Pa.  
8BJA Leroy E. Watkins ..... 373 N. Main St., Gloversville, N. Y.  
8BJB Roy F. Herschelman ..... 3361 Cleveland Ave., Detroit, Mich.  
8BJC Alex Lancaster ..... 1882 W. 58th St., Cleveland, Ohio  
8BJD Steel High School ..... Thomas King, Main St., Dayton, Ohio  
8BJE James H. Norton ..... 2630 Hilliger St., Detroit, Mich.  
8BJF John A. Campbell ..... 434 Brookling Ave., R.R.14, Dayton, O.  
8BJG Carroll Pileogor ..... 227 Mahoning St., Milton, Pa.  
8BJH John A. Marsb ..... 712 Atkinson Ave., Detroit, Mich.  
8BII Frank Annetta ..... 427 Lehigh Ave., Palmerton, Pa.  
8BIJ John Gluck ..... Kramesha, N. Y.  
8BIK Hans Wolter ..... 349 Fellows St., Syracuse, N. Y.  
8BIJ The Electric Const. & Motor Co. 529-31 S. Main St., Findlay, Ohio  
8BJK George Maxim ..... 11505 Lake Shore Blvd., Cleveland, O.  
8BIL The Trudeau Sanatorium ..... Saranac Lake, N. Y.  
8BJM Rudolph Schmidt & Co. .... 51 E. Main St., Rochester, N. Y.  
8BJN Franklin High School ..... 14 W. Park St., Franklin, Pa.  
8BJO Radio Engineering Society ..... 431-6th Ave., Pittsburgh Pa.  
8BJP H. Wilke ..... 4464 Humboldt Ave., Detroit, Mich.  
8BJQ Thomas A. Doddridge ..... 348 Florida St., Buffalo, N. Y.  
8BJR Ralph Batt ..... 257 E. North St., Buffalo, N. Y.  
8BJS Wesley F. Martin ..... 146 Maxwell Ave., Geneva, N. Y.  
8BJT Frank R. Shumway ..... 100 Brunswick St., Rochester, N. Y.  
8BJU Ernest Harold Roy ..... 295 Maple St., Buffalo, N. Y.  
8BJV Thomas W. Scott ..... 401 E. Cedar Ave., Conneville, Pa.  
8BJW Frank L. Platt ..... Main St., Marysville, Pa.  
8BJX Theodore R. Poibemus ..... 3612-5th Ave., Beaver Falls, Pa.  
8BJY Wilfred E. Brown ..... 526 Second Ave., Olean, N. Y.  
8BJZ James F. Rice ..... 151 W. High St., Waynesboro, Pa.  
8BK Cleveland Radio Research Lab. 2048 E. 79th St., Cleveland, Ohio  
8BKA Edw. E. Avery ..... 201 E. Grove St., Dunmore, Pa.  
8BKB Ralph H. Schneider ..... 207 W. Main St., Frankfort, N. Y.  
8BKC E. Newmac Engineering Co. .... E. Main St., Falconer, N. Y.  
8BKD Clinton C. Wortman ..... 1292 Bridge St., Grand Rapids, Mich.  
8BKE Fred L. Brown ..... 509-6th Ave., Huntington, W. Va.  
8BKF Charles Curry ..... Scipioville, N. Y.  
8BKG Albert D. Noorhead ..... 310 W. Brown St., Grand Rap., Mich.  
8BKH Carl Theis ..... 75 Maple St., Potsdam, N. Y.  
8BKI M. Cottrell ..... Morence, Mich.  
8BKJ Frank L. Scott ..... 413 E. Main St., Batavia, N. Y.  
8BKK Donald C. Wood ..... 1029 Cleveland Av., Niagara Falls, N.Y.  
8BKL Fred S. Green ..... 305-5th Ave., Frankfort, N. Y.  
8BKM W. Gross ..... 453 Mill St., Conneaut, Ohio  
8BKN Raymond W. Sears ..... 331 Market St., Clearfield, Pa.  
8BKO John C. Hopkins ..... Gardner Road, Elmhurst, Pa.  
8BKP E. W. Gallier ..... Findlay St., Portage, Ohio  
8BKQ Earl A. Shulenberger ..... S. Main St., West Salem, Ohio  
8BKR C. W. Dawson, R. O. Dawson. 53 Jefferson St., Norwalk, Ohio  
8BKS Charles C. Leader, Jr. .... 410 Castalla St., Bellevue, Ohio  
8BKT Charles Hedrich ..... 46 Main St., Tonawanda, N. Y.  
8BKU Charles James ..... 237 E. Main St., Kent, Ohio  
8BKV Hiram R. Marple ..... R.F.D. No. 6, Kent, Ohio  
8BKW John N. Greene ..... 233 Ridge Ave., Curwensville, Pa.  
8BXX Clarence A. Ramsey ..... R. F. D. No. 4, Youngstown, Ohio  
8BKY S. S. Siltcox, Jr. .... 1325 S. Pittsburgh, Conneville, Pa.  
8BKZ George E. Munchauer ..... 32 North Ave., Canadagua, N. Y.  
8BL Malcolm F. Jameson ..... 325 Lincoln St., Johnstown, Pa.  
8BLA Henry F. Hopkins, Jr. .... Portville, N. Y.  
8BLB W. I. Atkinson ..... 419 N. Broadway St., New Phila., O.  
8BLC Norman C. Bauman ..... 72 Whitfield St., Pontiac, Mich.  
8BLD Joseph M. Hill ..... Marlett St., Marlett, Mich.  
8BLE Marc S. Tritchler ..... Arden, W. Va.  
8BLF Fred J. Gerber ..... 399 W. Delavan Ave., Buffalo, N. Y.  
8BLG Winton C. Ellis ..... 807 Crawford St., Duquesne, Pa.  
8BLH Addison F. Busch ..... 21 N. Pine St., Buffalo, N. Y.  
8BLI Philip Will, Jr. .... 325-3d St., Chester, W. Va.  
8BLJ Benedict V. K. French ..... Cooper St., Vernon, N. Y.  
8BLK Frank B. Reid ..... 1919 Lawrence Ave., Toledo, Ohio  
8BLL Harold C. Dunham ..... 103 N. Main St., London, Ohio  
8BLM Floyd H. Roush ..... 8 Phin Ave., Binghamton, N. Y.  
8BLN A. F. Drda ..... R.F.D. No. 4, State Rd., Ionia, Mich.

8BLO Addison Ringler ..... 119 Giles St., Ithaca, N. Y.  
8BLP Florian Roetzer ..... 920 Farmer St., Detroit, Mich.  
8BLQ Harold Winter ..... 128 South St., Chardon, Ohio  
8BLR Elmer Smith ..... 426 Sumat St., Toledo, Ohio  
8BLS Frederick V. Branch ..... 142 S. Union St., Akron, Ohio  
8BLT George Ransom ..... 17 Hobson Place, Bradford, Pa.  
8BLU Homer J. Loftis ..... 6256 Kohus Ave., Detroit, Mich.  
8BLV Ray F. Pattington ..... 220 Southern Ave., Cincinnati, Ohio  
8BLW Charles E. Homes ..... 1313 E. 112th St., Cleveland, Ohio  
8BLX Charles E. Davis ..... 14900s Camp, Roscomon, Mich.  
8BLY Meador G. Pattington ..... 1470 Athens Ave., Lakeswood, Ohio  
8BLZ Henry W. Baumt ..... 2941 Somerset St., Cleveland Hgts., O.  
8BM A Orrin E. Dunlap, Jr. .... 3914 Buckeyes Rd., Cleveland, Ohio  
8BMA Charles E. Brickwood ..... 329 Stoddard Ave., Columbus, Ohio  
8BMB Frank H. Sarrer ..... 4732 Franklin Ave., Norwood, Ohio  
8BMC John H. Howe ..... 634 Third Ave., Beaver Falls, Pa.  
8BMD Sydney M. Buddington ..... 1540 Arch St., Pittsburgh, Pa.  
8BME Charles Middletown ..... Derby, N. Y.  
8BMF Edgar H. Wilson ..... 1201 Beale Ave., Wooster, Ohio  
8BMG Donald R. McCollister ..... 413-11th St., Beaver Falls, Pa.  
8BMH Monroe B. Stephenson ..... 1311 Colburn Ave., Toledo, Ohio  
8BMI Glenn W. Curtiss ..... 1010 Teft St., Parkersburg, W. Va.  
8BMJ Paul F. Woodward ..... 246-7th St., Indiana, Pa.  
8BMK Nathan R. Mahrie ..... 912 S. Jackson St., Jackson, Mich.  
8BML Charles J. Murray ..... 120 La Grange St., Morenci, Mich.  
8BMM John A. Cameron ..... Main St., Marriestown, N. Y.  
8BMN Kenneth B. McAlpine ..... 441 W. Onondaga St., Syracuse, N. Y.  
8BMO Wesley J. Kinnan ..... 254 W. Elm St., Kent, Ohio  
8BMP James M. Alter ..... 453 Mill St., Conneaut, Ohio  
8BMQ Robert B. Fairchild ..... 724 Beatty St., Cambridge, Ohio  
8BMR Robert A. Andreas ..... 1349 Franklin Ave., Columbus, Ohio  
8BMS Seeley C. Dart ..... R. F. D., Portage, Ohio  
8BMT Douglas King ..... R. No. 2, Wapakoneta, Ohio  
8BMU Marvin G. Barrick ..... Main St., Pittsdlam, N. Y.  
8BMV William B. Hanlon ..... 419 N. Euclid Av. E., E. Pittsburgh, Pa.  
8BMW John S. Hunter ..... 327 S. Ohio Ave., Columbus, Ohio  
8BMX Claud B. Davis ..... 424 Harrison St., Clarksburg, W. Va.  
8BMY Robert F. Handree ..... 129 1/2 E. Michigan Ave., Lansing, Mich.  
8BMZ Yates M. Hoag ..... 25 Livingston St., Lancaster, N. Y.  
8BN Harold Morarity ..... 327 S. Oakland Ave., Sharon, Pa.  
8BNA Albert P. Parker ..... 1325 S. Pittsburgh, Conneville, Pa.  
8BNE Arthur J. Cook ..... 27 Dodge St., Buffalo, N. Y.  
8BNC Orson B. Slocum ..... 148 East College St., Oberlin, Ohio  
8BND Elvin Van Arsdale ..... 149 Earl St., Rochester, N. Y.  
8BNE Detroit Police Dept. .... 35 Peach St., Buffalo, N. Y.  
8BNF Chas. S. Maynard ..... 303 1/2 W. 1st St., Paulding, Ohio  
8BNG Howard E. Waterman ..... 2465 Lawton Ave., Toledo, Ohio  
8BNH W. E. Stabaugh, Jr. .... 142 Union St., Akron, Ohio  
8BNK Nathan R. Mahrie ..... 912 S. Jackson St., Jackson, Mich.  
8BNJ Chas. Tech. High School ..... 399 South Delevan Ave., Detroit, Mich.  
8BNK Thos. G. Colvin ..... 6256 Rohus Ave., Detroit, Mich.  
8BNL Lester M. Hill ..... 24 Parker St., Buffalo, N. Y.  
8BNM Peter Loomis ..... 7 Highland Heights, Rochester, N. Y.  
8BNN Roy Koptish ..... 1045 Michigan Ave., Buffalo, N. Y.  
8BNO Thos. A. Hendricks ..... 388 S. Grand Blvd., Detroit, Mich.  
8BNP Stephen Lichtblaw ..... 147 Grand Ave., Mt. Clemens, Mich.  
8BNQ Edward Dempsey ..... 575 Algert Ave., Detroit, Mich.  
8BNR Alfred Tucker ..... 1186 E. 71st St., Cleveland, Ohio  
8BNS Jas. L. Wasson ..... 60 Marshall St., Rochester, N. Y.  
8BNT Chas. E. Sichel ..... 90 Locust St., Buffalo, N. Y.  
8BNU Richard Campbell ..... R.F.D. No. 2, New Straitsville, Ohio  
8BMV John G. Hooper ..... 306 Lansing St., Utica, N. Y.  
8BNW Ernest J. Schultz ..... 419 N. Euclid Av. E., E. Pittsburgh, Mich.  
8BNX Robt. H. Winchester ..... River & 2d, Detroit, Mich.  
8BNY Leo A. Price ..... 144 Lane Ave., Columbus, Ohio  
8BZ R. E. Chapin ..... 659 Allen St., Syracuse, N. Y.  
8BOA Edward M. Little ..... 386 Euclid Ave., Akron, Ohio  
8BOB William Hatch, Jr. .... 1500 Helen Ave., Detroit, Mich.  
8BOC Chas. H. Whitaker ..... 21 Clayton Ave., Cortland, N. Y.  
8BOD Dean S. Jennings ..... 112 N. Wash'n on St., Ypsilanti, Mich  
8BOE Roy C. Forsberg ..... 181 S. 4th St., Cuyahoga Falls, Ohio  
8BOF George D. Newton ..... 123 Jefferson Ave., Rochester, N. Y.  
8BOG Jeffries H. Ebert ..... 23 Alton Place, Jamestown, N. Y.  
8BOH John Maesk ..... 743 Glenn Ave., Wilkingsburg, Pa.  
8BOI Arthur E. Kaul ..... 306 W. State St., Springfield, Ohio  
8BOJ Tom J. George ..... 17 Boston St., Rochester, N. Y.  
8BOK Edward J. Govern ..... 4227 Muriel Ave., Cleveland, Ohio  
8BOL Louis Wm. Makley ..... 3582 Outlook Ave., Cincinnati, Ohio  
8BOM Phillip Levison ..... 25 Vicks Park B., Rochester, N. Y.  
8BON Clyde M. Bartter ..... 140 Franklin St., Dayton, Ohio  
8BOO Delbert Henderson ..... 1512 Ohlman Ave., Cleveland, Ohio  
8BOP Alvin McBurney ..... 14530 Lorain Ave., West Park, Ohio  
8BOQ George Fagerholm ..... 1396 E. 115th St., Cleveland, Ohio  
8BOR Wilbur C. Dean ..... 2128 W. 105th St., Cleveland, Ohio  
8BOS Roy C. Corderman ..... 400 E. Erie St., Albion, Mich.  
8BOT Miles Peale ..... 406 E. End Ave., Pittsburgh, Pa.  
8BOU Henry L. Mueller ..... R. F. D. No. 1, Wilmington, Ohio  
8BOV George A. Euwer ..... High St., Box 115, Springdale, Pa.  
8BOW Milton Reed ..... Unity, Pa.  
8BOX Harry E. Rohrer ..... N. East St., Crestline, Ohio  
8BOY Wm. Resides ..... N. 2d St., Tippecanoe City, Ohio  
8BOZ James M. Moran ..... 533 W. College St., State College, Pa.  
8BP Clarence Patridge ..... 1532 Columbus Ave., Sandusky, Ohio  
8BPA Chas. M. Jenkins ..... 521 Nimmons St., Saginaw, Mich.  
8BPB Manley H. Hancock ..... 433 Circular St., Tiffin, Ohio  
8BPC Harvey M. FitzSimmons ..... 3 Centenary St., Binghamton, N. Y.  
8BPD Burdette Haley ..... 24 Wise Ave., Mansfield, Ohio  
8BPE Andrew Noaker ..... 606 Chestnut St., Irwin, Pa.  
8BPF Marvin Joseph ..... 140 Liberty St., Bowling Green, Ohio  
8BPG Almon Moore ..... Box 35, R. F. D. No. 1, Toledo, O.  
8BPH William A. Gavenas ..... Portland, Mich.  
8BPI Albert J. Kappes ..... 366 Main St., Edwardsville, Pa.  
8BPJ William H. Marshall ..... Race St., Waynesburg, Pa.  
8BPK Chas. A. Grissinger ..... 7301 McClure Ave., Swissvale, Pa.  
8BPL Samuel J. Hutchinson, Jr. .... 187 Hollywood St., Youngstown, Ohio  
8BPM James R. Hazlett ..... 1914 Delaware Ave., Swissvale, Pa.  
8BPN Paul Learn ..... 1020 Washington Ave., Monaca, Pa.  
8BPO Frank G. Kear, Jr. .... 76 Slocum St., Fort Fort, Pa.  
8BPP Victor J. Andrew ..... 403 Front St., Minersville, Pa.  
8BPQ Wilbur Mason ..... 720 Spruce St., Wooster, Ohio  
8BPR Geo. E. Jensen, R. A. Jensen. .... 910 Emerson St., Fairmont, W. Va.  
8BPS Evan D. Hughes ..... Lake Michigan Park, Muskegon, Mich  
8BPT Carroll E. Leedy ..... 54 Custer St., Wilkes-Barre, Pa.  
8BPV Glenn R. Beerbower ..... R. F. D. No. 3, Monroe, Mich.  
8BPW Everett R. Holes ..... 1109 Alexander St., Fairmont, W. Va.  
8BPX C. Wellrose Fisher ..... 1210 Ottawa St., W. Lansing, Mich.  
8BPY Ransom A. Jakubovsky ..... Elk St., Gassaway, W. Va.  
8BPZ Chas. M. Schindler ..... 6 Beach St., Muskegon, Mich.  
8BQA Harold L. Lockwood ..... 304 Franklin St., Wilkingsburg, Pa.  
8BQB Herbert M. Walleze ..... 14 Clinton St., Tonawanda, N. Y.  
8BQC Arnold Nygren ..... 234 Vine St., Milton, Pa.  
8BQE Fred Kleshauser ..... 116 Bowen St., Jamestown, N. Y.  
8BQF Joseph L. Miller ..... 242 Buffalo St., Jamestown, N. Y.  
8BQG Milton Locke ..... 31 Marshall St., Norwalk, Ohio  
8BQH Darryl H. Ammon ..... R. F. D. No. 5, Warren, Ohio  
8BQI E. V. Edward ..... 525 Green Ridge St., Scranton, Pa.  
8BQJ Nell S. Forman ..... 410 St. Johns St., Schuylkill Haven, Pa.  
8BQK Cancelled  
8BQL C. E. Foltz ..... 48 Univ. Driveway, Morgant'n, W. Va.  
8BQM ..... 610 South St., Findlay, Ohio

8BQJ Edwin Miller ..... Second St., Espy, Pa.  
8BQK Stuart F. Aleck ..... Washington Blvd., N. Baltimore, Mich.  
8BQL Durwood L. Bensinger ..... Elsie, Mich.  
8BQM A. Kenneth McClung ..... 5015 Howe St., Pittsburgh, Pa.  
8BQN William J. Tomson ..... 5965 Vermont Ave., Detroit, Mich.  
8BQO Frederick L. Grant ..... 506 Avon Heights, Pittsburgh, Pa.  
8BQP James A. Thompson ..... 506 Tugley Ave., Bellevue, Pa.  
8BQQ Norman W. Bell ..... 424 Taylor Ave., N. S. Pittsburgh, Pa.  
8BQR Fred L. Elliott ..... 3831 Grand River Ave., Detroit, Mich.  
8BQS E. S. Clara ..... 333 Princeton Pl., Pittsburgh, Pa.  
8BQT Francis M. Underwood ..... 505 Main St., Monongahela, Pa.  
8BQU Robert H. McCague ..... Pine Rd., Sewickley, Pa.  
8BQV Myron G. Pawley ..... 102 West Ave., Ithaca, N. Y.  
8BQW Paul Edw. Treslar ..... 30 Dilby St., Forty Fort, Pa.  
8BQX William G. McKenale ..... 812 Mirfin St., Pittsburgh, Pa.  
8BQY James H. McTigue ..... 133 Chapin St., Binghamton, N. Y.  
8BQZ Everett T. Sauer ..... 100 N. Wilkenson St., Dayton, Ohio  
8BR Chester M. Mecor ..... 131 S. Fairview Ave., Lansing, Mich.  
8BRA Jos. M. Herrmann ..... 120 Welton Rd., Conneaut, Ohio  
8BRB Ralph Weller ..... 322 Bird Ave., Buffalo, N. Y.  
8BRC Harry S. Myers ..... van, Pa.  
8BRD Dean A. Lewis ..... 1501 Eggleston Ave., Kalamazoo, Mich.  
8BRE A. Herman Gates ..... 7th & St. Catherine Sts., Lewisburg, Pa.  
8BRF Earl T. Alcox ..... 1823 W. 31st St., Erie, Pa.  
8BRG Dan S. Bruck ..... E. Green St., Waynesburg, Pa.  
8BRH William E. Nichols ..... 405 S. Union St., Galton, Ohio  
8BRI Theo. M. Dickinson ..... 217 W. Embargo St., Rome, N. Y.  
8BRJ John F. Petloes ..... 302 Goodyear Ave., Buffalo, N. Y.  
8BRK Donald A. Clarke ..... 70 St. James Place, Buffalo, N. Y.  
8BRL Herbert W. Haberl ..... 35 Haldane Ave., Crafon, Pa.  
8BRM Alerton W. Crichton ..... 88 Murray Ave., Uniontown, Pa.  
8BRN Sidney W. Beyland ..... Long Meadow Circle, Pittsburg, N. Y.  
8BRO Edward J. Weis ..... 773 Lansing St., Utica, N. Y.  
8BRP A. Arbaciauskas ..... P. O. Box 351, Wamsutter, W. Va.  
8BRQ Kenneth L. Brown ..... 8873 Buhl St., Detroit, Mich.  
8BRR J. L. Lentz ..... Rush Township, Ohio  
8BRS A. French ..... 1223 S. Milwaukee St., Jackson, Mich.  
8BRT Harry M. Hendricks ..... Care Y.M.C.A., New Kensington, Pa.  
8BRU H. K. West ..... 439 Main Road, R.F.D., Conneaut, Ohio  
8BRV Clyde L. Voyers ..... Hanauy, W. Va.  
8BRW Clair A. Port ..... 320 Jefferson St., Conneville, Pa.  
8BRX John F. Euler ..... 326 Mellon St., Pittsburgh, Pa.  
8BRY F. D. Gamble ..... 946 Islington St., Toledo, Ohio  
8BRZ James L. Russell ..... 2271 S. Overtook Rd., Cleveland, Ohio  
8BS Norman D. MacConnell ..... 14006 St. Clair St., Cleveland, Ohio  
8BSA Paul Pletcher ..... 215 S. Main St., Paulding, Ohio  
8BSB Stuart H. Gibson ..... 345 Beard Ave., Buffalo, N. Y.  
8BSC Otis A. Sibley ..... Oak Hill, Grove City, Pa.  
8BSD Elmer R. Mosher ..... 7 Arena St., Binghamton, N. Y.  
8BSE Theo. L. Hogue ..... Lincoln Way, Lisbon, Ohio  
8BSF Robt. A. Trago ..... 27-15th St., Buffalo, N. Y.  
8BSG Virgil M. Graham ..... 157 Augustine St., Rochester, N. Y.  
8BSH James C. Matherly ..... 5120 Globe Ave., Norwood, Ohio  
8BSI Blar Webster ..... 242 Forest St., Oberlin, Ohio  
8BSJ Clyde A. Neth ..... 102 E. Fayette St., Conneville, Pa.  
8BSK William T. Cooke ..... 248 Washington St., Grand Rap., Mich.  
8BSL Fred A. Long ..... 781 Northampton St., Buffalo, N. Y.  
8BSM Clarence C. Forester ..... 93 Murphy Ave., Pontiac, Mich.  
8BSN Francis L. Huntwork ..... 373 Genesee St., Montour Falls, N. Y.  
8BSO Edward T. Barton ..... 1706-7th Ave., Beaver Falls, Pa.  
8BSP Beaver Falls High School ..... R. F. D. No. 4, Dayton, Ohio  
8BSQ James D. Yount ..... 1509 E. Wash'n on St., New Castle, Pa.  
8BSR Wayne U. Sims ..... 5 Charlotte St., Baldwinville, N. Y.  
8BST J. Edward Page ..... 15 Oakwood Rd., Idlewood, Pa.  
8BSU Chas. P. Trimmer ..... 152 Jackson St., Binghamton, N. Y.  
8BSV John R. Normale ..... 208 Avis St., Rochester, N. Y.  
8BSW William L. Dubois ..... Elberta, Mich.  
8BSX Wayne J. Rust ..... 5 South St., Auburn, N. Y.  
8BSY Harry C. Hopkins ..... 42 Poplar Ave., Wheeling, W. Va.  
8BSZ Earl W. Welmer ..... 371 Jackson Ave., Bradford, Pa.  
8BTA K. S. Walborn ..... 519 Coal St., Wilkingsburg, Pa.  
8BTB Cresson F. Conbar ..... 233 S. Starr Ave., Bellevue, Pa.  
8BTC Reginald Haycock ..... 1 Circuit Drive, Binghamton, N. Y.  
8BTD Russell Durm ..... 101 St. Joseph Ave., Niles, Mich.  
8BTE Donald McDaniel ..... 219 Grant Ave., Moundsville, W. Va.  
8BTF William L. Mays ..... Alderson, W. Va.  
8BTH Thomas Anderson ..... 65 W. Ridge Ave., Crafon, Pa.  
8BTG William W. Hall ..... 716 Center Ave., Avalon, Pa.  
8BTH Walter C. Newmann ..... North Branch, N. Y.  
8BTI Phillip Bayer ..... 292 N. Liberty St., Delaware, Ohio  
8BTJ Melvin L. Johnson ..... 326 Pearl St., Leipsic, Ohio  
8BTK Edwin A. Link, Jr. .... 183 Water St., Binghamton, N. Y.  
8BTL Albert C. Labz ..... 207 Prospect St., South Haven, Mich.  
8BTM C. M. O'Hara ..... 1605-6th Ave., McKeesport, Pa.  
8BTN Gerald G. Granger ..... 113 Laboma St., Lansing, Mich.  
8BTO Arthur L. Kent ..... 199 Court St., Binghamton, N. Y.  
8BTP United Elec. Stores Co. .... 721 Braddock Ave., Braddock, Pa.  
8BTQ Fernley B. Phillips ..... 827 Kirkpatrick Ave., N. Braddock, Pa.  
8BTR Robert Murray ..... 25 Smothers Ave., Uniontown, Pa.  
8BTS Wilmerding Y. M. C. A. .... 200 Marguerite St., Wilmerding, Pa.  
8BTT Gene B. Oppy ..... Main St., So. Charleston, Ohio  
8BTU Frederick G. Erbe ..... 153 Seneca Pkway., Rochester, N. Y.  
8BTV Robert H. Koehler ..... 424 Stokes Ave., Braddock, Pa.  
8BTW Ross F. Cutting ..... Cohocnah, Mich.  
8BTX Oran D. Baldwin ..... 3178 S. Midler Ave., Eastwood, N. Y.  
8BTY Leland W. Edson ..... 86 Wolcott St., La Roy, N. Y.  
8BTZ George P. Martin ..... 152 Columbia St., Newark, Ohio  
8BU Paul M. Streib ..... 739 Taylor Ave., Avalon, Pa.  
8BUA J. Jay Raby ..... 921 Vine St., Lansing, Mich.  
8BUB Otis R. Barrall ..... 276 E. Green St., Nanticoke, Pa.  
8BUC Harry W. Barner ..... 840 Wilson St., South Haven, Mich.  
8BUD Leslie L. Irvin ..... 18 Kinsey Ave., Kenmore, N. Y.  
8BUE H. Barton Yager ..... 122 S. Jersey St., Dayton, Ohio  
8BUF James H. Wilson ..... 479 Miller Ave., Columbus, Ohio  
8BUG John S. Scott ..... 517 Maxwell Ave., Steubenville, Ohio  
8BUH Russell Hardy ..... Whitaker, Mich.  
8BUI Jonas E. Dwyer ..... R. F. D. No. 1, Binghamton, N. Y.  
8BUJ Harry K. Spencer ..... 160 Conklin Ave., Binghamton, N. Y.  
8BUK Henry J. Bannon ..... 486 E. 108th St., Cleveland, Ohio  
8BUL L. Cooper ..... 641 W. Main St., Battle Creek, Mich.  
8BUM Alfred R. Marcy ..... 113 W. Raynor Ave., Syracuse, N. Y.  
8BUN Wallace M. Jennings ..... 37 Main St., Oil City, Pa.  
8BUO Raymond S. Baker ..... 41 Steele Ave., Gloversville, N. Y.  
8BUP Henry White ..... 157 E. Main St., Fredonia, N. Y.  
8BUQ Arthur G. Ferriss ..... 73 Warren Ave., Utica, N. Y.  
8BUR Clarence H. Pedley ..... 530 Otter St., Box 393, Franklin, Pa.  
8BUS Harold D. Morarity ..... 2134 Brookwood St., Toledo, Ohio  
8BUT Eugene E. Noble ..... 508 High St., So. Brownsville, Pa.  
8BUU Malcolm Brown ..... 828 Potomac St., Buffalo, N. Y.  
8BUV Christopher F. Curran ..... 10 Burr Ave., Binghamton, N. Y.  
8BUW Stanley E. Dolph ..... 732 N. Webster Ave., Scranton, Pa.  
8BUX Richard B. Andrews ..... 329-4th St., Olean, N. Y.  
8BUY Hughes High School ..... Cor. Clifton & McMillan, Cincinnati, O.  
8BUZ Carl F. Woese ..... 802 McBride St., Syracuse, N. Y.  
8BV Robert C. Bishop ..... 413 Locust St., Lockport, N. Y.  
8BVA Reid Whipple ..... 80 Third St., Gloversville, N. Y.  
8BVB H. A. Hiller ..... 139 Hanover St., Silver Creek, N. Y.  
8BVC W. W. Conn ..... 516 Race St., Dover, Ohio



8BVJ Vern W. Busch.....Keego Harbor, Mich.  
8BVE Allen S. Prescott.....205 Clarke St., Syracuse, N. Y.  
8BVF George M. Clasper.....121 S. 7th St., Connelisville, Pa.  
8BVG Harry L. Ganster.....216 Valley St., Marysville, Pa.  
8BVH Nelson M. Poole.....1438 Hillcrest Ave., Toledo, Ohio  
8BVI J. Russell Thorburn.....R. F. D. No. 3, Mason, Mich.  
8BVJ Pgh. Radio & Appliance Co.....112 Diamond St., Pittsburgh, Pa.  
8BVK Rufus P. Ranney.....3016 Chadbourn Rd., Cleveland, Ohio  
8BVL Fred Stehmer.....47 N. 22d St., Kenmore, Ohio  
8BVM Edward A. Bullock.....60 Eason Ave., Highland Park, Mich.  
8BVN Gilbert E. Mears.....2940 E. Grand Blvd., Detroit, Mich.  
8BVO Forrest L. Barr.....316 1/2 Grogan St., Fremont, Ohio  
8BVP Oscar Pletz, Jr.....11307 Fairport Ave., Cleveland, Ohio  
8BVQ Ray E. Snyder.....254 Cable Place, Akron, Ohio  
8BVR John E. Phillips.....9711 Lamount Ave., Cleveland, Ohio  
8BVS Howard Brindley.....118 Main St., Clarksburg, W. Va.  
8BVT Barnett H. Baskin.....12109 Mt. Overlook St., Cleveland, O.  
8BVU A. Bartlebaugh.....1310 Superior St., Toledo, O.  
8BVV Mark Nolan.....Provemont, Mich.  
8BVW Unger's Drug Store.....328 W. Arch St., Shamokin, Pa.  
8BVX M. Penyak.....Madison St., Hermine, Pa.  
8BVY G. D. Covenn.....162 Massachusetts St., Detroit, Mich.  
8BVZ Nicolai H. Hiller, Jr.....68 Laurel St., Carbondale, Pa.  
8BW Arthur C. Young.....1311 Abbott Rd., Buffalo, N. Y.  
8BWA William F. Warden.....467 Merriman Rd., Akron, Ohio  
8BWB E. C. Dailey.....R.F.D. No. 2, Box 12, West Newton, Pa.  
8BWC Richard E. Clarke.....42 W. Main St., Fredonia, N. Y.  
8BWD Herman Rogers.....16 Holiday St., Oil City, Pa.  
8BWE Francis W. Koster.....700 Vinton St., Toledo, Ohio  
8BWF Harry C. Yingling.....252 Charles Ave., New Kensington, Pa.  
8BWG S. M. Dotterer.....127 Poplar St., Leipsic, Ohio  
8BWH S. A. Quick.....316 Green St., Syracuse, N. Y.  
8BWI Geo. E. Amolsch.....3630 W. 47th St., Cleveland, Ohio  
8BWJ Flint High School.....Beach St., Flint, Mich.  
8BWK Wm. F. Bonnell.....1876 E. 73d St., Cleveland, Ohio  
8BWL Andrew C. Dadds.....3400 Salina St., Syracuse, N. Y.  
8BWM Willard Mosier.....Provemont, Mich.  
8BWN Richard L. Dyer.....813 Locust St., Toledo, Ohio  
8BXO Paul Marco.....688 Lawrence Ave., Detroit, Mich.  
8BWP Thos. D. Taylor.....223 N. 3d St., Olean, N. Y.  
8BWQ Arthur B. Rudenauer.....1646 Elmwood Ave., Lakewood, Ohio  
8BWR L. Dale Ball.....R.F.D. 4, Box 62, Battle Creek, Mich.  
8BWS Frank Davenport.....44 Byron St., Battle Creek, Mich.  
8BWT Wm. S. O'Brien.....146 Rockland Ave., Syracuse, N. Y.  
8BWU Chas. L. Chafee.....201 W. Perry St., Paulding, Ohio  
8BWW Petroleum Telephone Co.....4 Petroleum St., Oil City, Pa.  
8BWX Chas. A. Bohnengel.....420 Irving St., Toledo, Ohio  
8BWX Philip H. Hoffman.....1500-7th St., Beaver Falls, Pa.  
8BWW Elmer W. Reeve.....1529 Broadway St., Ann Arbor, Mich.  
8BWW Henry J. Partridge.....135 Broadway, Dover, Ohio  
8BX Donald Stewart.....314 Vine St., Van Wert, Ohio  
8BXA Edwin W. Esslinger.....123 Chapin St., Ann Arbor, Mich.  
8BXB Herbert T. Edwards.....152 Purdy St., Buffalo, N. Y.  
8BXC Milton Fruehauf.....17702 Detroit Ave., Lakewood, Ohio  
8BXD Wm. C. Ellsworth.....506 Vine St., Clyde, Ohio  
8BXE Anthony J. Zugel.....219 Pennsylvania Ave., So. Renova, Pa.  
8BXF Arthur H. Dickson.....2 Front St., Binghamton, N. Y.  
8BXG Howard B. Young.....26 Forest Place, Fredonia, N. Y.  
8BXH Harold C. Hedges.....35-12th St., Columbus, Ohio  
8BXI Thos. S. Batson.....703 Park Ave., Utica, N. Y.  
8BXJ Marlon A. Mead.....High St., Savannah, N. Y.  
8BXK Martin E. McGraw.....1120-5th Ave., Beaver Falls, Pa.  
8BXL Kenneth J. Dunlap.....104 W. Pleasant Ave., Syracuse, N. Y.  
8BXM George E. Irvin.....2118 Hillman St., Youngstown, Ohio  
8BXN Richard G. McClure.....Williams Ave., Williamstown, W. Va.  
8BXO Wilbur Zimmerman.....Goodrich St. Sta., Akron, Ohio  
8BXP Donald A. Grant.....33 Montgomery St., Canajoharie, N. Y.  
8BXQ F. A. McPhillips.....562 Palmwood Ave., Toledo, Ohio  
8BXR J. Paul Castenholz.....Box 25, Muskegon, Mich.  
8BXS Sam Workman, Jr.....731 E. Malden St., Washington, Pa.  
8BXT Leland L. Fuller.....81 W. Main St., Williamstown, N. Y.  
8BXU William O. Wickes.....131 Clarke St., Syracuse, N. Y.  
8BXV Douglas E. Church.....142 Paul Ave., Syracuse, N. Y.  
8BXW Fredric G. Rohm.....20 Bennett St., Williamsport, Pa.  
8BXX Homer Forscher.....7 Ford St., Norwalk, Ohio  
8BXY Riley B. Parsons.....Old Forge, N. Y.  
8BZX Chas. Fincal.....213 Wilson Ave., Gallon, Ohio  
8BY Floyd A. Knoll.....93 Chapin Ave., Buffalo, N. Y.  
8BYA Wm. B. Rupp.....51 N. 3d St., Lewisburg, Pa.  
8BYB Homer A. Scullen.....50 S. 10th St., Kenmore, Ohio  
8BYC A. W. Johnson.....Seneca St., Baldwinsville, N. Y.  
8BYD Louis Grabensteder.....2767 Observatory Ave., Cincinnati, O.  
8BYE R. W. Ewers.....L. South Haven, Mich.  
8BYF William E. Schele.....89 Highway St., Battle Creek, Mich.  
8BYG Harold A. Waters.....R. F. D. No. 3, Ridgeway, N. Y.  
8BYH Frank M. Gager.....1439 Colgate St., Dunmore, Pa.  
8BYI Nevin L. Straub.....724 Bedford St., Johnstown, Pa.  
8BYJ George H. Taber.....4114 Grant Blvd., Pittsburgh, Pa.  
8BYK Adolph Oschmann, Jr.....2105 Prospect Ave., Scranton, Pa.  
8BYL B. D. Norris.....104 Bererly Road, Syracuse, N. Y.  
8BYM Alex W. Kovatch.....1174 Warren Rd., Lakewood, Ohio  
8BYN Howard C. Storck.....684 Carpenter St., Columbus, Ohio  
8BYO Robert M. Turrell.....506 Broadway, Harrison, Ohio  
8BYP Dominick Mustari.....766-19th St., Niagara Falls, N. Y.  
8BYR LeMar Moore.....447 Rich St., Ionia, Mich.  
8BYS Clare Wm. Daris.....703 Park St., Grand Ledge, Mich.  
8BYT Luther W. Kovalik.....322 Hunter St., Niles, Ohio  
8BYU Clifford C. May.....525 Fletcher St., Owosso, Mich.  
8BYV Harold L. Wilcox.....Lakemont, N. Y.  
8BYW Electrical Specialty Co.....48-50 S. Front St., Columbus, Ohio  
8BYX Wilson R. Neisser.....Bucknell Univ., Lewisburg, Pa.  
8BYZ A. C. Penfield.....528-5th St., Struthers, Ohio  
8BZ Fred Lankton.....835 Dayton St., Lansing, Mich.  
8BZ Harry Schoenfelder.....513 Boone St., Pottsville, Pa.  
8BZ Roy Armstrong.....263 Biddle Ave., Wyandotte, Mich.  
8BZA Maurice Clarke.....Ridge Rd., Greece, N. Y.  
8BZB Paul J. Terrill.....New Vienna, Ohio  
8BZC R. C. Hlteshue.....Argonne Drive, Parnassus, Pa.  
8BZD Carl A. Moline.....227 Poplar St., Wyandotte, Mich.  
8BZE Alec Whitley.....1605 Chicago Blvd., Detroit, Mich.  
8BZF E. W. Stone.....395 E. Main St., Fredonia, N. Y.  
8BZG Buffalo Police Dept.....Niagara & Franklin, Buffalo, N. Y.  
8BZH Paul A. Noxon.....310 Stadium Place, Syracuse, N. Y.  
8BZI Edwin H. Vedder.....Milan, Mich.  
8BZJ Lorenz A. Morrow.....1231 E. High St., Springfield, Ohio  
8BZK J. T. Meyer.....668 Woodlawn Ave., Buffalo, N. Y.  
8BZL Wayne Gallaway.....530 Fairchild Ave., Kent, Ohio  
8BZM Karl A. Helman.....2437 E. 82d St., Cleveland, Ohio  
8BZN Wallis C. Harper.....VanBuren Rd., R. R. 2, Dunkirk, N.Y.  
8BZO Vernon Barnes.....4223 Valley Rd., Cleveland, Ohio  
8BZP Northern High School.....9026 Woodward Ave., Detroit, Mich.  
8BZQ Kenneth Unapher.....730 Woodland St., Van Wert, Ohio  
8BZR Hugh L. Bergy.....327 E. Main St., Ionia, Mich.  
8BZS Clayton H. Heald.....115 N. 17th St., Olean, N. Y.  
8BZT Norbert Richard.....Provemont, Mich.  
8BZU Clayton W. Blakeslee.....418 N. Washington St., Rome, N. Y.  
8BZV Clinton C. Smith.....R. F. D., Wakeman, Ohio  
8BZW Silver B. King.....1238 Cleveland Ave., Flint, Mich.  
8BZX David S. Little.....1217-4th St. S.W., Canton, Ohio  
8BZY William A. Gover.....219 Hauge Ave., Detroit, Mich.

8BZZ Hugh Colton.....580 Melbourne Ave., Detroit, Mich.  
8CAA Kendall H. Speer, Jr.....Lower, Pa.  
8CAB Geo. H. Stalker.....123 N. State St., Ann Arbor, Mich.  
8CAC Roger E. Schlemmer.....8442 Curzon Ave., Cincinnati, Ohio  
8CAD James W. Emery.....316 Poplar St., Grove City, Pa.  
8CAE Louis Crick.....929 Long Lake Ave., Alpena, Mich.  
8CAF B. M. Baldwin.....E. Main St., Deshler, Ohio  
8CAG W. R. Atwater.....463 E. 123d St., Cleveland, Ohio  
8CAH H. Henriksen.....2982 E. 115th St., Cleveland, Ohio  
8CAI James G. Carr.....5 Summit St., Batavia, N. Y.  
8CAJ Gerald Davis.....415 Boyd St., Van Wert, Ohio  
8CAK Joseph Quilter.....10 St. John St., Binghamton, N. Y.  
8CAL Alfred L. McCauley.....176 Rosemead Ave., Battle Crk., Mich.  
8CAM Wilbur E. Landis, Jr.....1711 Fingree Ave., Detroit, Mich.  
8CAN New River Company.....Macdonald, W. Va.  
8CAO Jesse V. Hope.....216 W. Scott St., Grand Ledge, Mich.  
8CAP Paul J. Wesch.....907 N. Adam St., Owosso, Mich.  
8CAQ Sennet W. Miller.....184 Wingert St., Bucyrus, Ohio  
8CAK Alfred L. Copley.....42 Myron St., Kenmore, N. Y.  
8CAS Carl Cummings.....Bloomington St., Akron, N. Y.  
8CAT Lewis G. Dryer.....Cattaraugus, N. Y.  
8CAU Fred J. Stevens.....164 W. Fountain St., Battle Crk., Mich.  
8CAV Pierre W. Buck.....574 Marston Court, Detroit, Mich.  
8CAW Roland E. Dean.....3846-33d St., Detroit, Mich.  
8CAX Arthur R. Smith.....2048 Park Ave., Detroit, Mich.  
8CAY Stainaker Burr.....210 Graham St., Elkins, W. Va.  
8CAZ Jos. C. Fountain.....2633 Walnut St., Port Huron, Mich.  
8CB Warren High School.....Cor. 2d & Market Sts., Warren, Pa.  
8CBA F. C. Thorold.....1503 N. Park Blvd., Flint, Mich.  
8CBB A. J. Moore.....1403 Ork Ave., Kittanning, Pa.  
8CBC Frederick Abbott.....1023 Adams St., Coshocton, Ohio  
8CBD Phillip Dittmar.....545 Clifford Ave., Rochester, N. Y.  
8CBE Charles L. Terrel.....DeGraff, Ohio  
8CBF Alton T. Gahriss.....440 Coe St., Tiffin, Ohio  
8CBG Clarence S. Yule.....319 Third Ave., Frankfort, N. Y.  
8CBH W. L. MacCurdy.....605 Glenwood Ave., Johnstown, Pa.  
8CBI E. Romie Romine.....152 E. Iroquois Rd., Pontiac, Mich.  
8CBJ Robt. H. James.....157 High St., Lockport, N. Y.  
8CBK William Wegner.....136 Parce Ave., Fairport, N. Y.  
8CBL Harry George, Jr.....83 Parkwood Ave., Kenmore, N. Y.  
8CBM Robt. L. Carter.....209 S. Union St., Galion, Ohio  
8CBN Roy Lockwood.....913 E. 146th St., Cleveland, Ohio  
8CBO Geo. Wedemeyer.....511 E. Kingsley St., Ann Arbor, Mich.  
8CBP Herbert V. Simmons.....143 Charlotte St., Detroit, Mich.  
8CBQ Harry Blanchard.....2908 Fingree Ave., Detroit, Mich.  
8CBR Waldo E. Hauenstein.....463 E. Shawnee St., Lima, Ohio  
8CBS J. Yates VanAntwerp.....35 S. Perry St., Johnstown, N. Y.  
8CBT Crawford L. Law.....239 S. 4th St., Iilon, N. Y.  
8CBU Lorenzo D. Kipe.....203 Summit Ave., Belleus, Pa.  
8CBV Francis A. Reese.....135 Fulton St., Olean, N. Y.  
8CBW William C. Weaver.....1869 Wadena St., E. Cleveland, Ohio  
8CBX Richard Lawrence.....015 Gartfield Ave., Springfield, Ohio  
8CBY Harry Wm. Hahn.....229 Lora Ave., Youngstown, Ohio  
8CBZ Lloyd H. Alexander.....3226 Maplewood Ave., Toledo, Ohio  
8CC F. W. Ehrenfeld.....10 Orchard Ave., Belleus, Pa.  
8CCA Clarence E. Kemp.....921 Sherman St., Middletown, Ohio  
8CCB Leon Vangunten.....751 Brite Ave., Lima, Ohio  
8CCC Norman S. Vogt.....143 Walnut St., Wyandotte, Mich.  
8CCD Ivon Paul.....144 Poplar St., Wyandotte, Mich.  
8CCD Rex K. Struble.....804 Asylum St., Flint, Mich.  
8CCF Stephen P. Byers.....341 Philadelphia Ave., Indiana, Pa.  
8CCG Moffitt-Grumlich Elec. Co.....336 E. Franklin St., Circleville, Ohio  
8CCG Herbert Griffiths.....622 E. Main St., East Palestine, Ohio  
8CCI Noel J. Groh.....151 Bradley St., Buffalo, N. Y.  
8CCJ Robt. J. Haley.....599 Grant St., Buffalo, N. Y.  
8CCK Hamilton Haywood.....607 Grant St., Buffalo, N. Y.  
8CCL Royal G. Lister.....300 Belden Ave. N.E., Canton, Ohio  
8CCM John O. Archibald.....60 Aurora St., Lancaster, N. Y.  
8CCN Arthur C. Morrow.....529 N. Church St., Elmira, N. Y.  
8CCO Merle Israelson.....Hartfield, N. Y.  
8CCP George J. Gray.....339 E. Third St., Cincinnati, Ohio  
8CCQ Elmer F. Bond.....311 Jerome Ave., Williamsport, Pa.  
8CCR Lloyd M. Grov.....312 Parker St., Toledo, Ohio  
8CCS Carlton E. Bailey.....29 Grant St., Potsdam, N. Y.  
8CCT Arthur W. Lewis.....102 Cliff St., Battle Creek, Mich.  
8CCU Thos. A. Hart, Jr.....40 Filkins St., Fairport, N. Y.  
8CCV Siegel Sellers.....922 W. Park St., Kalamazoo, Mich.  
8CCW Herbert Harrington.....R. F. D. No. 4, Mansfield, Pa.  
8CCX Albert G. Massey.....241 Padlock St., Watertown, N. Y.  
8CCY Fred L. Batchelder.....904-6th St., Muskegon Hgts., Mich.  
8CCZ George D. Oertel.....707 Wolf St., Syracuse, N. Y.  
8CD Latimer L. Charnicky.....9604 Sophia Ave., Cleveland, Ohio  
8CDA Robert Mee.....120 Glendale Park, Rochester, N. Y.  
8CDB Jesse A. Fluke.....Clark Mills, N. Y.  
8CDC Andrew H. Beach.....154 Apple St., Muskegon, Mich.  
8CDD Allen B. Bower.....Fulton St., Armada, Mich.  
8CDE Richard Dearing.....66 Elm St., Mayville, N. Y.  
8CDF Frank Burt.....508 Chase St., Flint, Mich.  
8CDG Walter Sullivan.....90 Newton St., Fredonia, N. Y.  
8CDH William Zellers.....4386 Turney Rd., Cleveland, Ohio  
8CDI William S. Potter.....Curtin St., Bellefonte, Pa.  
8CDJ Ralph R. Boyden.....672 W. Liberty St., Medina, Ohio  
8CDK Henry J. Calderhead.....47 S. 8th St., Kenmore, Ohio  
8CDL Wm. H. Stanley.....84 Claremont Ave., Buffalo, N. Y.  
8CDM Wm. E. Rosevear.....2114 Cummings St., Newberry, Pa.  
8CDN Rufus T. Washburn.....Fourth Ave., Frankfort, Mich.  
8CDO Carl S. Marlett.....7 Inwood Place, Buffalo, N. Y.  
8CDP Marvin L. Vest.....611 Randolph Ave., Elkins, W. Va.  
8CDQ Frank L. Wagner.....12 S. Rosina St., Somerset, Pa.  
8CDS Fred C. Fichtel.....37 Baynes St., Buffalo, N. Y.  
8CDT Theo. N. Barnsdall.....146 W. Washington St., Bradford, Pa.  
8CDU Howard J. Brosious.....226 N. 4th St., Lewisburg, Pa.  
8CDV Ellsworth U. Snyder.....Jefferson St., New Carlisle, Ohio  
8CDW Clayton J. Bitterman.....Cement St., Akron, N. Y.  
8CDX Donald D. Bradley.....374 Bird Ave., Buffalo, N. Y.  
8CDY Douglas Lewis.....2946 Zephyr Ave., Pittsburg, Pa.  
8CDZ Fred E. Castenholz.....425 LaGrave Ave., Grand Rapids, Mich.  
8CE Justin Evans.....905 S. Main St., Washington C. H., O.  
8CE Chas. J. Dorazie.....2304 Tampa Ave., Cleveland, Ohio  
8CEA William L. Taylor.....1607 S. Geddes St., Syracuse, N. Y.  
8CEB Wm. S. A. Mutter.....726 Northampton St., Buffalo, N. Y.  
8CEC Ralph H. McRoberts.....3106 Concord Ave., Detroit, Mich.  
8CED Leland Melrin.....1937 East St., Lansing, Mich.  
8CEE Harvey N. Knight.....3840 Washburn Ave., Detroit, Mich.  
8CEF Robt. Stephens.....454 McKee Ave., Monessen, Pa.  
8CEG Leonard S. Saveland.....14413 Dover Ave., Cleveland, Ohio  
8CEH Thomas Sage.....8650 Agnes Ave., Detroit, Mich.  
8CEI Parke G. Lambert.....903 Rose Ave., Wilkingsburg, Pa.  
8CEJ John M. Sherman.....2767 Bergman St., Pittsburg, Pa.  
8CEK Albert C. McKinley.....615 N. State St., Marion, Ohio  
8CEL Richard S. Johnstone.....R. F. D. No. 2, Greshaw, Pa.  
8CEM John C. Brittain.....1708 Fifth Ave., Beaver Falls, Pa.  
8CEN Francis Hollis.....2316 Patterson St., Pittsburgh, Pa.  
8CEO Arthur W. McAuly.....209 Third St., Oakmont, Pa.  
8CEP Dallas Wise.....2018 Mullan Ave., Detroit, Mich.  
8CEQ Gerhard H. Wegener.....1 Moffatt St., Carnegie, Pa.  
8CER Paul Lindauer.....1014-11th St., Lorain, Ohio  
8CES Melvin L. Leppert.....241 S. Starr Ave., Belleus, Pa.  
8CET Jas. B. Steiner.....123 N. Elizabeth St., Lima, Ohio



8CEU Milan High School.....Milan, Mich.  
8CEV Harry C. Hopkins.....Auburn, N. Y.  
8CEW Ross B. Harter.....200 W. Main St., Frankfort, N. Y.  
8CEX Harold Selestad.....217 S. Main St., Greensburg, Pa.  
8CEY James R. Lodge.....1703-5th Ave., Beaver Falls, Pa.  
8CEZ T. D. Schumacher.....124 N. Rebecca St., Pittsburgh, Pa.  
8CF Chas. H. Katzenberger.....225 N. Main St., Greenville, Ohio  
8CFA Howard L. Ballie.....28 Bowers St., Newark, Ohio  
8CFB Harry Wallace.....7215 Whipple St., Swissvale, Pa.  
8CFC Harry M. Anderson.....420 Glen Ave., Ellwood City, Pa.  
8CFD William K. Hawk.....R. F. D. No. 2, Jeannette, Pa.  
8CFE Theo. A. Vibe.....72 Main St., Hamburg, N. Y.  
8CFF Edwin M. Rhea.....1019 Heberton Ave., Pittsburg, Pa.  
8CFG Philip A. Busar.....4187 Chene St., Detroit, Mich.  
8CFH J. Carroll O'Donnell.....1019 Chislett St., Pittsburg, Pa.  
8CFI Miles N. Toy.....437 E. McKibben St., Lima, Ohio  
8CFJ Leonard S. Antzer.....North Lima, Ohio  
8CFK Leon B. Harris.....703 State St., Erie, Pa.  
8CFL Howard M. Wilkoff.....40 New York Ave., Youngstown, Ohio  
8CFM J. Clayton Nicholson.....815 N. 12th St., Cambridge, Ohio  
8CFN Robert F. Hunt.....1607 Clairmont Ave., Cambridge, Ohio  
8CFO Russell C. Duncan.....1616 Church St., Detroit, Mich.  
8CFP Phillips Thomas.....436 Elmer St., Pittsburgh, Pa.  
8CFQ Arlington B. Corey.....Lake Odessa, Mich.  
8CFR E. L. Pratt.....7 High St., Cobleskill, N. Y.  
8CFS Chas. A. Sweeney.....Box 213, Market St., Freeport, Pa.  
8CFT Lester C. Michael.....166 Kennard Ave., Barnesville, Ohio  
8CFU Edgar R. Mallory.....141 N. Spring St., Bellefonte, Pa.  
8CFV E. L. Rosencrans.....R. F. D. No. 1, Windsor, N. Y.  
8CFW William H. Brown.....204 S. Jackson St., Jackson, Mich.  
8CFX Don I. Dayton.....Crim Ave., Bellington, W. Va.  
8CFY Wm. A. Hausding.....1004 Was'g'n Av., Traverse City, Mich.  
8CFZ Howard W. Peacock.....Barker, N. Y.  
8CC Frank W. Eberfried.....10 Orchard Ave., Belleue, Pa.  
8CGA John W. D. Moore.....New Straitsville, Ohio  
8CGB Paul C. Snyder.....Lowrie & Gardner Sts., Pittsburgh, Pa.  
8CGC John C. Grady.....Box 209, Frankfort, N. Y.  
8CGD W. J. G. Cooper.....507 Washington Ave., Oakmont, Pa.  
8CGE Harold G. Rice.....1629 Ottawa Drive, Toledo, Ohio  
8CGF C. Creed Farnam.....Sand Lake, Mich.  
8CGG Connellsville Public Schools.....Fairview Ave., Connellsville, Pa.  
8CGH Harold G. Prall.....247 Jackson St., Saginaw, Mich.  
8CGI Cecil R. Funk.....E. Curtin St., Bellefonte, Pa.  
8CGJ George Hunter, Jr.....205 McConnell St., St. Johns, Mich.  
8CGK Malcolm C. Mattice.....35 Otsego St., Canajoharie, N. Y.  
8CGL Lawrence Pierce.....1409 Henderson Drive, Kalamazoo, Mich.  
8CGM William Dyke.....903 Fenimore St., Kalamazoo, Mich.  
8CGN R. E. Galloway.....71 Oliver St., Pontiac, Mich.  
8CGO Lewis E. Marks.....410 E. Main St., E. Palestine, Ohio  
8CGP Leo S. Gordon.....318 E. South St., Corry, Pa.  
8CGQ Lynn W. Goodnough.....44 Lydia St., Binchampton, N. Y.  
8CGR Raymond A. Ransom.....49 Porter Ave., Wheeling, W. Va.  
8CGS C. J. Harrison, Jr.....738 W. Church St., Elmira, N. Y.  
8CGT Paul T. Criswell.....107 Farragut Ave., Vandergrift, Pa.  
8CGU James B. Lewis.....151 Park Ave., Watertown, N. Y.  
8CGV Howard F. Wittler.....Perrysburg, Ohio  
8CGW Wm. L. Everitt.....618 Stewart Ave., Ithaca, N. Y.  
8CGX Chas. R. Klingler.....443 Hold St., Dayton, Ohio  
8CGY Chas. J. Crockett.....2490 Edison Ave., Detroit, Mich.  
8CGZ Walter A. Galloway.....664 S. Detroit Ave., Xenia, Ohio  
8CH Paul A. Riley.....317 Main St., Greenville, Pa.  
8CHA Lloyd Laird.....18 N. Race Ave., Greenville, Pa.  
8CHB James L. Hearn.....3345 Harrison Ave., Chertot, Ohio  
8CHC George W. Krug.....1219 Harvard Blvd., Dayton, Ohio  
8CHD Wm. D. Collins.....312 Dickson Ave., Ben Avon, Pa.  
8CHE Paul F. Shuey.....2851 Bedford Ave., Oakmont, Pa.  
8CHF Edward T. Hill.....220 Oakmont Ave., Oakmont, Pa.  
8CHG Maurice A. Splain.....1611 Mohawk St., Utica, N. Y.  
8CHH Byron B. Rouse.....1838 E. 101st St., Cleveland, Ohio  
8CHI F. Eugene Maguire.....528 S. Huron St., Wheeling, W. Va.  
8CHJ William Vogel.....3319 Observatory Rd., Cincinnati, O.  
8CHK Sturges Radio Laboratory.....Sturges, Mich.  
8CHL Wesley Mason.....284 Hampshire St., Buffalo, N. Y.  
8CHM Walter H. Bernadt.....34 Verona Place, Buffalo, N. Y.  
8CHN Rudolph Hills.....106 Moran St., Tonawanda, N. Y.  
8CHO Albert G. Heck.....110 Fairview St., Mannington, W. Va.  
8CHP Cecil B. Delaney.....3232 W. 46th St., Cleveland, Ohio  
8CHQ Clarence H. Troy.....95 Gallatin Ave., Buffalo, N. Y.  
8CHR Lawrence R. Bush.....67 Cliff St., Canajoharie, N. Y.  
8CHS Harry E. Heney.....39 Walnut St., Canajoharie, N. Y.  
8CHT Carl D. Mason.....Cohoctah, Mich.  
8CHU Harry W. Cain.....Palton St., Bellington, W. Va.  
8CHV Wilbur C. Stevens.....816 Sunset St., Scranton, Pa.  
8CHW John Huffstidder.....737 Prospect Ave., Buffalo, N. Y.  
8CHX R. K. Jndy.....217 S. West St., St. Marva, Ohio  
8CHY John S. Schmidt.....84 Fuller St., Buffalo, N. Y.  
8CHZ Albert M. Griffing.....W. Erie St., Linsville, Pa.  
8CI C. Teft Hewitt.....7942 Westmoreland St., Swissvale, Pa.  
8CIA Richard P. Kuntz.....325 Homewood Ave., Dayton, Ohio  
8CIB Bradley Parkin.....1917 E. Lafayette Ave., Detroit, Mich.  
8CIC Ralph S. Hill.....531 N. Euclid Ave., Pittsburgh, Pa.  
8CID Elmore H. Harbison.....Pine Rd., Sewickley, Pa.  
8CIE Leo Farman.....520 N. Jefferson St., Van Wert, Ohio  
8CIF Edw. J. Stanmyra.....319 Mather St., Syracuse, N. Y.  
8CIG Robert F. Weingl.....522 Wooster Ave., Dover, Ohio  
8CIH Russell Campbell.....124 Tuxedo Ave., Detroit, Mich.  
8CII Robert Wuerfel.....R. F. D. No. 3, Ann Arbor, Mich.  
8CIJ Leland Wingert.....75 Putnam St., Buffalo, N. Y.  
8CIK H. W. Hancock.....337 S. Main St., Charlotte, Mich.  
8CIL Garrold E. Flower.....65 Franker Ave., Detroit, Mich.  
8CIM Geo. McG. Fryberger.....213 S. Center St., Phillipsburg, Pa.  
8CIN P. J. Wallace.....Fallowfield & 5th St., Charleroi, Pa.  
8CIO Fred B. Humphrey.....E. Pine St., Phillipsburg, Pa.  
8CIP Edward G. Snyder.....1476 Alabama Ave., Pittsburgh, Pa.  
8CIQ Robt. J. Ross.....919 N. Shamokin St., Shamokin, Pa.  
8CIR Robert C. Dixon.....141 Evergreen St., Millvale, Pa.  
8CIS Edw. F. Steates.....127 Gold St., Utica, N. Y.  
8CIT Geo. N. Lummel.....67 Rich St., Buffalo, N. Y.  
8CIU Marten B. Terrell.....22 E. 9th St., Holland, Mich.  
8CIV Robt. S. Ireland.....400 S. Melcher St., Johnstown, N. Y.  
8CIW James M. Hudnutt.....390 Adam St., Tonawanda, N. Y.  
8CIX Q. Ned Culler.....445 McKee Ave., Monessen, Pa.  
8CIY A. H. Slack.....108 Shinkle St., Findlay, Ohio  
8CIZ Chas. A. Hansen.....32 Pearl St., Gloversville, N. Y.  
8CJ Albert Throm.....207 E. Clifton Ave., Cincinnati, Ohio  
8CJA Alvin Scheuerman.....38 Rauber St., Rochester, N. Y.  
8CJB Donald H. Ross.....32 S. 2d St., Lewisburg, Pa.  
8CJC Paul O. Young.....53 Market St., Nanticoke, Pa.  
8CJD Ernest Zarits.....307 Wight St., St. Johns, Mich.  
8CJE Geo. A. Steinkamp.....1931 Clarion Ave., Cincinnati, Ohio  
8CJF Orrin E. Dunlap, Jr.....1029 Cleveland Av., Niagara Falls, N. Y.  
8CJG Mortimer R. Grossman.....Sta. H. Military Rd., Buffalo, N. Y.  
8CJH Kenneth W. Cooper.....Raffroad Ave., Williamson, N. Y.  
8CJI Frank J. Henry.....211 Norwood Ave., Buffalo, N. Y.  
8CJL Harry C. Palmer.....66 Franklin St., Ogdensburg, N. Y.  
8CJM Edw. E. Heffman.....161 Baumer St., Johnstown, Pa.  
8CJN Harold Benson.....7 High St. ext., Bradford, Pa.  
8CJO Carroll E. Heck.....79 Bennett St., Buffalo, N. Y.  
8CJN Floyd A. Hamel.....200 W. Martin Ave., Amherst, Ohio

8CJO Richard W. Crowell.....406 N. Cherry St., Paulding, Ohio  
8CJP John L. Zimmerman.....2018 Market St., Youngstown, Ohio  
8CJQ Robert Weston.....55 North St., Binghamton, N. Y.  
8CJR Wilbur T. Walter.....1331 Fairmont St., N. W., Rockw'd, Pa.  
8CJS Willard Storage Battery Co.....E. 131st St. & St. Clair Av., Cleve., O.  
8CJT Thos. S. Hawley.....102 South Ave., Bradford, Pa.  
8CJU Frank N. Wright.....132 Portage St., Kalamazoo, Mich.  
8CJV Howard McCarter.....6 Morris St., Ogdensburg, N. Y.  
8CJW Ralph Williams.....918 W. Church St., Elmira, N. Y.  
8CJX Walter D. Baer.....350 Graham St., Pittsburgh, Pa.  
8CJY Edward A. McElwain.....R. F. D. No. 2, Glenshaw, Pa.  
8CJZ Willard K. Francis.....W. Main St., Shawnee, Ohio  
8CK Duane Ingraham.....83 Main St., Hermlina, Pa.  
8CKA Wm. A. Flitch.....2022 Becker St., Flint, Mich.  
8CKB Donald Lefever.....305 Ford St., Ogdensburg, N. Y.  
8CKC Chas. Waterstreet.....40 Bayard St., Amsterdam, N. Y.  
8CKD Alden C. Cummins.....724 Duquesne Ave., Duquesne, Pa.  
8CKE Herman Hirschberg.....111 E. Adams Ave., Vandergrift, Pa.  
8CKF Unassigned.....  
8CKG Ted E. Hoffman.....65 Lafayette St., Pontiac, Mich.  
8CKH Robt. E. Farmer.....3286 Helen Ave., Detroit, Mich.  
8CKI George C. Hale.....448 Perry St., Pontiac, Mich.  
8CKJ Lewis E. Wint.....264 Norton Ave., Pontiac, Mich.  
8CKK A. A. Starkweather.....187 Washington Ave., Pontiac, Mich.  
8CKL Geo. W. Westcott.....25 E. Howard St., Pontiac, Mich.  
8CKM Chas. R. Acklin.....419-5th Ave., Parnassus, Pa.  
8CKN Theodora Van Loan.....31 Prospect Ave., Catskill, N. Y.  
8CKO Elmer A. Krall.....2349 Palm Beach Ave., Pittsburgh, Pa.  
8CKP Thomas Davis.....121 Whyel Ave., Uniontown, Pa.  
8CKQ John R. Koch.....1039 Valley Rd., Charleston, W. Va.  
8CKR Barney J. Kucera.....4615 Lester Ave., Cleveland, Ohio  
8CKS Robt. V. Hubbard.....566 Lake St., Ashtabula, Ohio  
8CKT Daniel T. Cseak.....2138-4th St. N.E., Canton, Ohio  
8CKU Harry C. Baldwin.....14 Odell St., Union City, Pa.  
8CKV Ralph E. Humes.....334 Jefferson St., Springfield, Ohio  
8CKW Fred E. Hoyt, Jr.....18 Park Place, Ballston Spa., N. Y.  
8CKX Syracuse Boys' Club.....436 Jefferson St., E. Syracuse, N. Y.  
8CKY H. C. Guier.....455 N. Washington St., Wilkes-Barre, Pa.  
8CLA Marshall Barnum.....3839 Isabella Ave., Cincinnati, Ohio  
8CLB Harlan V. Bigalow.....1955 E. 107th, Sulte 2, Cleveland, O.  
8CLC John M. Ray.....656 Carlisle St., Newcomstown, Ohio  
8CLD Virgil Coughenour.....Plattsburgh, Pa.  
8CLE F. M. Tarbox.....335 S. Blakely St., Dunmore, Pa.  
8CLF Thos. A. Reid.....1219 N. Limestone St., Springfield, O.  
8CLG Herbert J. Riley.....7238 Standish St., Pittsburgh, Pa.  
8CLH Harold Kilpatrick.....Merron St., Payne, Ohio  
8CLI Rudolph Karl.....413 Robin St., Dunkirk, N. Y.  
8CLJ Geo. J. Emminger.....27 Florence Ave., Belleue, Pa.  
8CLK Alton D. Kunkel.....715 E. Main St., Bradford, Pa.  
8CLL Nathan Williams.....1411 Main St., Buffalo, N. Y.  
8CLM Paul T. Bricker.....Franklin Ave., Freeport, Pa.  
8CLN Edwin S. Lewis.....401 S. Dallas Ave., Pittsburgh, Pa.  
8CLO John W. Hill.....101 Lida St., Mansfield, Ohio  
8CLP Jos. A. Louis.....405 Rutger St., Utica, N. Y.  
8CLQ Raymond Vermillion.....227 College Ave., Kent, Ohio  
8CLR Howard R. Young.....309 Eldon Ave., Columbus, Ohio  
8CLR Frank Heald, Jr.....128 California Ave., Chester, W. Va.  
8CLS Chas. A. Claus.....22 S. Main St., Somerset, Pa.  
8CLT William Hiscock.....Oleott, N. Y.  
8CLU Gerald W. Fox.....605 W. Vine St., Kalamazoo, Mich.  
8CLV Wayne A. Copeland.....51 Center St., Warsaw, N. Y.  
8CLW A. J. Buzzard.....806 Center St., Wilkinsburg, Pa.  
8CLX R. W. Hallenbeck.....114 Wood Ave., Syracuse, N. Y.  
8CLY Fred E. Ware.....R. F. D. No. 7, Fulton, N. Y.  
8CLZ R. H. Hutchings, Jr.....Whitesboro St., Utica, N. Y.  
8CM C. H. Ellis.....292 Jewett St., Buffalo, N. Y.  
8CMA Charles H. Rice.....510 Putnam St., Marietta, Ohio  
8CMB Leonard Jezorek.....244 W. Main St., Nanticoke, Pa.  
8CMC Robert P. Nick.....125 Edgemore Lane, Ithaca, N. Y.  
8CMD Dennis B. Long.....97 S. Pearl St., Canadigua, N. Y.  
8CME Earnest A. McCurdy.....100 Frank St., Warren, Pa.  
8CMF Lloyd Lindley.....266 Locust St., Washington, Pa.  
8CMG Guy R. Shaeffer.....1151 W. North St., Lima, Ohio  
8CMH Chas. D. Fisk.....4721 Commonwealth Av., Detroit, Mich.  
8CMI A. Pochelon, Jr.....533 W. Grand Blvd., Detroit, Mich.  
8CMJ Chas. C. Whysall.....1098 E. Center St., Marion, Ohio  
8CMK Roland D. Mann.....53 Good Ave., Buffalo, N. Y.  
8CML King McCain.....1107 Harvard Blvd., Dayton, Ohio  
8CMM Smith M. Johnson.....S. Main St., Middlefield, Ohio  
8CMN Geo. S. Mason.....119 Temple St., Fredonia, N. Y.  
8CMO Ray Boundy.....51 State St., Grove City, Pa.  
8CMP John E. Durstine.....107 Burton Ave., Cleveland, Ohio  
8CMQ E. C. Woodruff.....234 W. Fairmount St., State College, Pa.  
8CMR H. A. Jaehn.....4440 Helen Ave., Detroit, Mich.  
8CMS Theo. G. Rew.....8 Prospect St., Cobleskill, N. Y.  
8CMT Kenneth Blackburn.....314 Penn St., Bedford, Pa.  
8CMU Gordon Shook.....38 Fort St., Forty Fort, Pa.  
8CMV Rain W. Tanner.....981 Rice Ave., Lima, Ohio  
8CMW J. W. Stark.....1465 Chicago Blvd., Detroit, Mich.  
8CMX Howard D. Cochran.....Main St., Alexander, N. Y.  
8CMY Ralph H. Sayles, Jr.....Milan, Ohio  
8CMZ Edwin Schoenherr.....1201 Middle Ave., Elyria, Ohio  
8CN Clarence H. Kasten.....418 Rossett St., Ogdensburg, N. Y.  
8CNA Russell W. Hirschelmann.....325 Cleveland St., Detroit, Mich.  
8CNB H. A. Johnston.....3617 Butler St., Pittsburgh, Pa.  
8CNC H. C. Fitzgerald.....Peach & Cherry Sts., Erie, Pa.  
8CND Earl McConnell.....815 Bancroft St., Lansing, Mich.  
8CNE John Chidester.....661 W. Pike St., Clarksburg, W. Va.  
8CNF Harold D. Huston.....1709 Suburban Ave., Pittsburgh, Pa.  
8CNF A. Alvin North, Jr.....Ridge Ave., Troy, Ohio  
8CNG Democrat & Chronicle.....59-61 E. Main St., Rochester, N. Y.  
8CNH Clyde G. Bailey.....391 State St., Conneaut, Ohio  
8CNI Ralph W. Guy.....R. F. D. No. 1, Ellwood City, Pa.  
8CNJ C. Van Gortier.....454 Mill St., Conneaut, Ohio  
8CNK John C. DePue.....125 W. 3d St., Pt. Clinton, Ohio  
8CNL Allen E. Apple.....115 S. Euclid Ave., Dayton, Ohio  
8CNM Robt. J. Bashore.....R. F. D. No. 9, Paulding, Ohio  
8CNN Theo. Bolton.....19 Fair St., Cooperstown, N. Y.  
8CNO J. Lynn Anderson.....106 W. Northwood Ave., Columbus, O.  
8CNP H. A. Dunn.....W. Diamond Ave., Hazelton, Pa.  
8CNQ Ralph M. Lapham.....19 Grant Ave., Glens Falls, N. Y.  
8CNR Wm. F. Baxter.....Main St., Seven Mile, Ohio  
8CNS Myron Gould.....232 Second St., Cuyahoga Falls, Ohio  
8CNT Frank Werner.....730 Vermont St., Glassport, Pa.  
8CNV Roswell E. Fisher.....77 Elizabeth St., Oneida, N. Y.  
8CNW Wm. D. Beville.....206 W. Embargo St., Rome, N. Y.  
8CNX Jos. M. Hourkan.....1324 Lehigh Av., N. Kensington, Pa.  
8CNY C. Chas. Johnson.....618 Washington St., E. Syracuse, N. Y.  
8CNZ H. F. Lewis.....19 S. West St., Shenandoah, Pa.  
8CO Edward S. Heck.....31 Lincoln Ave., Salem, Ohio  
8COA Branco Lasch.....37 Eureka St., Pittsburgh, Pa.  
8COB R. G. Miller.....R. F. D. No. 6, Bristol, N. Y.  
8COB H. J. Cochran.....322-2nd St., Cambridge, Ohio  
8COB Mott Peck.....358 Main St., Scanton, Pa.  
8COD Oris D. Lamm.....New Carlisle, Ohio  
8COE Theo. H. Willers.....Avenue C., Matamoras, Pa.  
8COF Earl Riles.....629 S. Deneyster St., Kent, Ohio  
8COG Sharon Willett.....R. F. D. No. 3, Lyndonville, N. Y.  
8COH C. A. Christopher.....524 Cross St., Rochester, Pa.

8COI Harold O. Quick 335 Coolidge Ave., Syracuse, N. Y.  
8COJ Wm. J. Hangehold 3951 Trevor St., Cleveland, Ohio  
8COL Hugh L. Mulligan 500 Genesee St., Utica, N. Y.  
8COE Wilfred Langley 201 Cr. Sprg. & Wall's, Nanticoke, Pa.  
8COM Walter B. Alderfer 519 E. Washington St., Medina, Ohio  
8CON Milton Swanson 1104 Penna. Ave. E., Warren, Pa.  
8COO Theo. L. Builey 317 Chemung St., Waverly, N. Y.  
8COP Robt. Barnhart R. F. D. No. 1, Bellefonte, Pa.  
8COQ Harold F. Burn 332 E. Green St., Nanticoke, Pa.  
8COR Milton Sayers 636 Prescott Ave., Scranton, Pa.  
8COS Henry C. Mueller 1222 Call. Av., N. S. Pittsburgh, Pa.  
8COT Charles Marx 182 Conklin Ave., Binghamton, N. Y.  
8COU L. D. Kilhefer R. F. D. No. 1, Osborn, Ohio  
8COV Claud F. King 125 S. Porter, Saginaw, W.S. Mich.  
8COW J. O. Ellison 80 W. High St., Detroit, Mich.  
8COX Ralph Folkman Glenford, Ohio  
8COY Wm. D. Orser 1108-5th Ave., Coraopolis, Pa.  
8COZ Earl Harling 1612 E. 86th St., Cleveland, Ohio  
8CP Orlo Palmer 233 E. 11th St., Holland, Mich.  
8CPA Fred E. Ackley 97 Aberdeen St., Rochester, N. Y.  
8CPB J. J. Donner 214 Paddock St., Watertown, N. Y.  
8CPC Howard Eldredge 402 S. Market St., Johnstown, N. Y.  
8CPD Julius C. VanBruggen 331 S. Rutland St., Watertown, N. Y.  
8CPE Mearl E. Wilson Sharon Springs, N. Y.  
8CPF E. C. Lanning 724 N. Westledge Av., Kata'zoo, Mich.  
8CPG Raymond Beyer R. F. D. No. 5, Lima, Ohio  
8CPH Wm. R. Grant 308 Tennessee Ave., Charleston, W. Va.  
8CPI H. C. Goodrich 1907 Whitesboro St., Utica, N. Y.  
8CPJ Leo E. Oederklirk 4 Parsons St., Auburn, N. Y.  
8CPK Wesley D. Richards 312 Market St., Brownsville, Pa.  
8CPL Harold C. Haws R. F. D. No. 3, Medina, N. Y.  
8CPM Wilbur A. Stelzer Holland, N. Y.  
8CPN Fred Miller Frankfort, Mich.  
8CPO Fred Bova DuGraff Ohio  
8CPQ Harold E. Hart 101 E. Main St., Salem, Ohio  
8CPR A. E. Millikan 724 W. Market St., Lima, Ohio  
8CPS Allen W. Palmer State St., Scottville, Mich.  
8CPT Carlton G. Brown 57 Green St., Schuylerville, N. Y.  
8CPU D. R. Stevenson Christian Ave., Hubbard, Ohio  
8CPV Theo. J. Miller 1903 S. Erie St., Bay City, Mich.  
8CPW F. L. Reynolds 387 Castle St., Geneva, N. Y.  
8CPX Robt. A. Wells 316 Prospect St., Watertown, N. Y.  
8CPY Jas. A. Wilson Care Crescent Fmk. Co., Kala'zoo, Mich.  
8CPZ George Mueller 733 Penn Ave., Midland, Pa.  
8CQ Carleton Hughes 106 Geneva Ave., Detroit, Mich.  
8CQA S. F. White 922 Irving Ave., Syracuse, N. Y.  
8CQB Geo. L. Gelsey 203 N. 6th St., Steubenville, Ohio  
8CQC Glenn B. Smith 621 Bradley St., Watertown, N. Y.  
8CQD Bruce Dickerson 649 Midland Ave., Syracuse, N. Y.  
8CQE A. F. Worthington 301 N. Leroy St., Fenton, Mich.  
8CQF Nelson I. Baxter 319 E. Kennedy St., Syracuse, N. Y.  
8CQG O. B. Goldsmith 216 Rose Place, Kalamazoo, Mich.  
8CQH Daryl S. McClung 1221-9th Ave., Huntington, W. Va.  
8CQI John H. Graves Maine St., Oak Harbor, Ohio  
8CQJ Willis W. Murray Creston, Ohio  
8CQK Alex Bojalad 400 DuBois St., DuBois, Pa.  
8CQL Thos. W. McNary 27 Highland Ave., Washington, Pa.  
8CQM Harry E. Fraser R.F.D. 5, Pine Lake Pontiac, Mich.  
8CQN Raymond E. Gower 436-3d Ave., Williamsport, Pa.  
8CQO Ira J. Barber 504 S. State St., Clark's Summit, Pa.  
8CQP A. Paul Ruzynsky 1 E. Broad St., W. Hazleton, Pa.  
8CQR Warren A. Somers Derrick City, Pa.  
8CQS Clay D. Richards Dewey Ave., Barnard, N. Y.  
8CQT Lloyd I. Slinn 726 Prospect St., Van Wert, Ohio  
8CQU Joseph B. McCune 488 Fifth St., Donora, Pa.  
8CQV Chas. H. Heiser 733 New York Ave., Columbus, Ohio  
8CQW Carl F. Walsh 304 Jay St., Rochester, N. Y.  
8CQX Clarence E. Burke 453 Avenue D, Rochester, N. Y.  
8CQY Howard A. Thompson 3401 Ridgeway St., Pittsburgh, Pa.  
8CQZ Miles H. Robin 7 Lake Ave., Williamson, N. Y.  
8CR Chas. W. Pfister Johnson St., Osborn, Ohio  
8CR Crosley Mfg. Co. 5723 Dayer Ave., Cincinnati, Ohio  
8CRA Olefir Ahrens 47 N. Main St., Canandaua, N. Y.  
8CRB Chas. F. Swoboda 14475 Lihhr Rd., Manie Heights, O.  
8CRC Henry R. Spelman 937 Harriet Ave., N.W. Canton, Ohio  
8CRD Fred. F. Sauer 1924 Forestdale Ave., Cleveland, Ohio  
8CRE Harold M. Keeckley 3227 Detroit Ave., Toledo, Ohio  
8CRF Kenneth NeuBrecht 1140 Yandota St., Toledo, Ohio  
8CRG John Wm. Lang 774 Northampton St., Buffalo, N. Y.  
8CRH Loren D. Macomber 463 Anburn Ave., Buffalo, N. Y.  
8CRI Clifford C. Mosher, Jr. 1044 W. Market St., Lima, Ohio  
8CRJ John R. Dauberman 615 St. Catherine St., Lewisburg, Pa.  
8CRK Gilbert Styhr 175 Gallow Ave., Ross Township, Pa.  
8CRL Wm. C. Albertson 5400 Stanton Ave., Pittsburgh, Pa.  
8CRM Walter J. Kracer 39 Franklin St., Cataraugus, N. Y.  
8CRN Anton K. Rohr 14250 T. Shvr Rd., Manie Heights, O.  
8CRO Clarence G. Keener 215 6th Ave., Pittsburgh, Pa.  
8CRP Sigmund Wolnowski 1344 Dewey Ave., Rochester, N. Y.  
8CRQ Garnett F. Roberts Mastin Park, Buffalo, N. Y.  
8CRR Starke R. Hathaway 602 S. Maple St., Marsville, Ohio  
8CRS Lawrence D. Trevett Buffalo St., Orchard Park, N. Y.  
8CRT John W. Dixon 1875 Charles Rd., East Cleveland, O.  
8CRU Donald W. Erner Silver Bay, N. Y.  
8CRV Robert Swain 713 E. Univ. St., Ann Arbor, Mich.  
8CRW John H. Brabb 159 Lawrence Ave., Detroit, Mich.  
8CRX Howard C. Hanna 3802 Woodworth Rd., E. Cleveland, Ohio  
8CRY Wm. T. Munson 13524 Ashburton Rd., Cleveland, Ohio  
8CRZ George W. Stone, Jr. 9 Evershed St., Niagara Falls, N. Y.  
8CS William J. Serlipis 3664 Trumbull Ave., Detroit, Mich.  
8CSA Alphone Brezinski 12 Ribbar St., Rochester, N. Y.  
8CSB Leland D. Lathrop Berkey, Ohio  
8CSC Bert Drummond White Pigeon, Mich.  
8CSD Branko Lazich 16 Eureka St., Pittsburgh, Pa.  
8CSE Raymond Lotzar 439 Fernwood Ave., Rochester, N. Y.  
8CSF Elmer Jita 4304 E. 126th St., Cleveland, Ohio  
8CSG Irving W. Littlefield 147 Moulton Ave., Kenmore, N. Y.  
8CSH Norman Hellbrun 425 West Ave., Buffalo, N. Y.  
8CSI John J. Long, Jr. 205 Prospect St., Canandaua, N. Y.  
8CSJ Vito Gleco 183 Wahale War, Rochester, N. Y.  
8CSK J. B. Eccles 2435 Auburn Ave., Toledo, Ohio  
8CSL Russell F. Kehr 3216 Cherry St., Toledo, Ohio  
8CSM S. L. Blessecker 325 S. Clinton Ave., Rochester, N. Y.  
8CSN Elmer W. Boehmer 101 Main St., Hamburg, N. Y.  
8CSO Roy Butler 317 S. Main St., Akron, Ohio  
8CSP Frederiek R. Messmer 611 Markison Ave., Columbus, Ohio  
8CSQ Howard Mattes 189 Avenue B, Rochester, N. Y.  
8CSR Glover S. Mohr 302 N. Cherry St., Pauiding, Ohio  
8CSS James R. Nelson 418 Caroline St., Herkimer, N. Y.  
8CST Marlon Y. Law Thomas St., Scottville, Mich.  
8CSU William E. Fuller 639 Mac Ave., E. Lansing, Mich.  
8CSV Fred W. Blackman 157 Forrest St., Clyde, Ohio  
8CSW Bernard Eveleigh 142 E. Grand St., Watertown, N. Y.  
8CSX Lawrence E. Forman 176 North St., Buffalo, N. Y.  
8CSY Eckley B. C. Markle 321 W. Broad St., Hazleton, Pa.  
8CSZ Louis H. Frost 112 Hafst St., Syracuse, N. Y.  
8CT Robert C. Blair 194 Glendale Av., Highland Pk., Mich.  
8CTA James C. Dettling 59 Hawthorne Ave., Crafton, Pa.

8CTB Elmer J. Emery R. F. D. No. 6, Auburn, N. Y.  
8CTC Fremont F. Purdy 122 E. 4th St., Huntington, W. Va.  
8CTD Duane Nathan Hadley 56 Walnut St., Shelby, Ohio  
8CTE Carl R. Sherman 1225 Federal Ave., Utica, N. Y.  
8CTF Clarence C. Young 1505 Federal St., Pittsburgh, Pa.  
8CTG Thos. Welch Elder 424 S. 10th St., Coshocton, Ohio  
8CTH Harold W. Pletcher 609 Prescott Ave., Dunmore, Pa.  
8CTI Forrest W. Dana R. F. D. No. 5, Pauiding, Ohio  
8CTJ Edwin D. Strickland Cor. Market & 2d Sts., Warren, Pa.  
8CTK John G. C. Miller 25 Gelston St., Buffalo, N. Y.  
8CTL Ferdinand Cam Kaffer 707 Wolf St., Syracuse, N. Y.  
8CTM Willard J. Laidlaw Marlette, Mich.  
8CTN Charles Stowell 225 N. 2d St., Olean, N. Y.  
8CTO Lion Gardiner Mason 7306 Hermitage St., Pittsburgh, Pa.  
8CTP Richard M. Brown 532 Donder Ave., Monessen, Pa.  
8CTQ William S. Gruber 506 Leah St., Utica, N. Y.  
8CTR Harry E. Flitch 219 W. Church St., Elmira, N. Y.  
8CTS W. E. Kinney S. Main St., Marion, Ohio  
8CTT William F. Ludwig 441 Avenue D, Rochester, N. Y.  
8CTU Carl Schardt 12813 Marston Ave., Cleveland, Ohio  
8CTV John H. Schneider 157 Main St., Cooperstown, N. Y.  
8CTW Kenneth Newcomer 606 Fayette St., Connellsville, Pa.  
8CTX Alpheus E. Worth 367 N. 5th St., Indiana, Pa.  
8CTY B. B. Bond 3 Pleasant St., Potsdam, N. Y.  
8CTZ John S. Naratill 350 Lehigh Ave., Palmetto, N. Y.  
8CU Ralph R. Kimes 3034 E. 79th St., Cleveland, Ohio  
8CUA Ruskin S. Freer East Liberty, Ohio  
8CUB Adam D. Sechrist R. F. D. No. 1, Arcanum, Ohio  
8CUC Chas. C. Richardson 268 Main St., Greenview, Pa.  
8CUD George Brown 523 Cobb St., Toledo, Ohio  
8CUE William J. Williams 1118 Sibley St., Grand Rapids, Mich.  
8CUF Harker F. Thomas 458 E. Church St., Marion, Ohio  
8CUG Leslie E. Johnson 58 Sturges St., Jamestown, N. Y.  
8CUH James B. Jones Neal St., Turtle Creek, Pa.  
8CUI Edwin C. Warren Capac, Mich.  
8CUJ Robert B. Conaughly 421 First St., Waterford, N. Y.  
8CUK William H. Snesky 1354 Tennessee St., Dormont, Pa.  
8CUL Duane Ingraham 83 Main St., Hermitage, Pa.  
8CUM Earl Perkins 2280 E. 100th St., Cleveland, Ohio  
8CUN Ralph F. Clements 724 Whitney Ave., Wilkingsburg, Pa.  
8CUO Theodore S. Best 214 Eakin St., Columbus Grove, Ohio  
8CUP Ernest Hedley Hobbs 401 W. Cortland St., Grotton, N. Y.  
8CUQ Edward J. Deutsch 4124 Bailey Ave., Cleveland, Ohio  
8CUR Dante Dominzi 3097 West Blvd., Cleveland, Ohio  
8CUS Harold H. Geyser 330 Hill St., Sewickley, Pa.  
8CUT A. McTighe 7122 Lemington St., Pittsburgh, Pa.  
8CUU William Graf 43 Nichols St., Rochester, N. Y.  
8CUV Frank J. Ambrose, Jr. 1612-5th Ave., Arnold, Pa.  
8CUW Lester V. Fischer 150 Avery St., Rochester, N. Y.  
8CUX Lester Klentz 11902 Castlewood Ave., Cleveland, Ohio  
8CUY George B. Rinehart 15 Jones St., Ingram, Pittsburgh, Pa.  
8CUZ George Riddle Lang Pine Road, Edgewood, Pa.  
8CV C. E. Urban 27 Watsonia Rld., Pittsburgh, Pa.  
8CVA Harry J. Kuhlman 148 Crescent Blvd., Dayton, Ohio  
8CVB Chas. N. Page 64 Midland Ave., Columbus, Ohio  
8CVC Gerald Haines R. D. 4, Catherine Av., Dayton, Ohio  
8CVD Warren F. Copp 92 E. Dayton St., W. Alexandria, O.  
8CVE Chester Hersh 1410 Lamar St., Dayton, Ohio  
8CVF Raymond C. R. Schulze 1424 Nixon St., Pittsburgh, Pa.  
8CVG Leonard M. Whtlinger 47 Portland Ave., Dayton, Ohio  
8CVH Elmer C. Warn 436 N. Kilmer St., Dayton, O.  
8CVI Harold H. Greene 118 Oxford Ave., Dayton, Ohio  
8CVJ Albert H. Harris 30 Clover St., Rochester, N. Y.  
8CVK Marlon Soulin 1016 Edison St., Dayton, Ohio  
8CVL Maurice A. Rudd 1545 E. 122d St., Cleveland, Ohio  
8CVM John F. Remsburg 335 Oakwood Place, Springfield, Ohio  
8CVN Paul F. Jackson 825 Linwood St., Dayton, Ohio  
8CVO Reuben P. Delhil Cresson, Pa.  
8CVP James Lafer 3061 W. Grand Blvd., Detroit, Mich.  
8CQV Charles Kenny 2959 Somerton Rd., Cleveland Hts., O.  
8CVR John W. D. Page Park Ave., Venna Ants, Cincinnati, O.  
8CVS Francis W. Davis 153-12th Ave., Columbus, Ohio  
8CVT William R. Butler 705 Easton St., Dayton, Ohio  
8CVU The Wireless Shop 209 N. Finley St., Piquette, Pa.  
8CVV Emery G. Smith R. F. D. No. 1, Irishvalley, Pa.  
8CVW Ralph G. Killep 11703 Kinsman Rd., Cleveland, Ohio  
8CVX Norman L. Geidel 5638 Northumberland Av., Pittsburgh, Pa.  
8CVY Samuel D. Conley 228-10th St., Aspinwall, Pa.  
8CVZ Edmund H. Simpson 630-a Middle Ave., Wilmerding, Pa.  
8CW Roy S. Copp 107 McDaniel St., Dayton, Ohio  
8CWA Forest Keenan 40 Colorado Ave., Highland Pk., Mich.  
8CWB Ward Kenney 688-a Middle Ave., Wilmerding, Pa.  
8CWC Winfield W. Heckert 402 E. Church St., Oxford, Ohio  
8CWD Raymond P. Murphy 186 Granville St., Newark, Ohio  
8CWE Arthur R. John 257 High St., Dayton, Ohio  
8CWF Ronald Warner Derrick City, Pa.  
8CWG John L. Zimmerman 553 Second St., Shamokin, Pa.  
8CWH Chas. F. MacNish 4504 Hector St., Cincinnati, Ohio  
8CWI Raymond Floyd 507 Allison St., Washington, Pa.  
8CWJ William C. Giles 2705 East St., N.S., Pittsburgh, Pa.  
8CWK F. K. Kearney 3837 Warren Ave., W. Detroit, Mich.  
8CWL Hertz Battery Co. 1236 E. 79th St., Cleveland, Ohio  
8CWM Chas. H. Emerick 318 E. Decatur St., Eaton, Ohio  
8CWN William S. Howe 306 Linwood St., Dayton, Ohio  
8CWO Forrest I. Rose 2820 May St., Cincinnati, Ohio  
8CWP Raymond E. Stukey 610 N. Broad St., Lancaster, Ohio  
8CWQ R. H. Marshall, Jr. 425 Lincoln St., Bellevue, Pa.  
8CWR Robert E. Baird 34 W. First St., Dayton, Ohio  
8CWS Thornton Ellis 1221 Grand Ave., Dayton, Ohio  
8CWT Donald Barnhart 100 Wayne St., Warren, Pa.  
8CWU DeVaine Swigart 904 Kenmore Blvd., Kenmore, Ohio  
8CWX Walter A. Huff, Jr. 424-5th St., Parkersburg, W. Va.  
8CWW Nelson B. Smith Curtiss Ave., Sodus, N. Y.  
8CWX Roy W. Waller 617 N. Fourth St., Cambridge, Ohio  
8CWY Halley S. Wilcox Millerton, Pa.  
8CWZ J. Ralph Bush Mad. Barks. 41, Sacket Harbor, N. Y.  
8CX Mensal L. Johnson 3079 Texas Av., Dormont, Pittsburgh, Pa.  
8CXA Edward T. Bradley Bethany College, Bethany, W. Va.  
8CXB Karl Cooper, Jr. Bramwell, W. Va.  
8CXC Glenn W. Millard 712 N. Tioga St., Ithaca, N. Y.  
8CXD Thurlio A. Louden Broadway St., Scottville, Mich.  
8CXE Henry A. Koerner R. F. D. No. 3, Marion, Ohio  
8CXF John E. Penniman 231 Stuart Ave., Kalamazoo, Mich.  
8CXG Clarence E. Gibson 3 Spring St., Athens, Ohio  
8CXH Luther E. Counts Linn St., Coshocton, Ohio  
8CXI Roy E. Wise 258 E. 8th St., Holland, Mich.  
8CXJ Delbert R. Duclap Box 57, Hemlock, Ohio  
8CXK Victor E. Donato 59 E. Market St., Alliance, Ohio  
8CXL Oren White New Straltsville, Ohio  
8CXM Clarence L. Doty 519 Nancy St., Charleston, W. Va.  
8CXN J. Clyde Lewis 212 W. Washing'n St., Grafton, W. Va.  
8CXO Charles W. Kress 23 Helena St., Rochester, N. Y.  
8CXP Russell B. Stewart Glen St., Yellow Springs, Ohio  
8CXQ John A. Sloat 241 Broadway St., Monticello, N. Y.  
8CXR James I. Robinson Plain City, Ohio  
8CXS Louise Mole Main St., Hermitage, Pa.  
8CXT H. Clifford Allen 28 Coolidge St., Glens Falls, N. Y.  
8CXU Paul M. Barnes 3321 Blanchard St., Toledo, Ohio.

Citizens Radio Call Book

8CXV Paul H. Rowley... 76 Third St., Gloversville, N. Y.
8CXW Kenneth R. English... 625 S. Lawn Ave., Coshocton, Ohio
8CXX Carroll B. Kerr... 190 E. Mark St., Marion, Ohio
8CXY Franklin Yoder... 223 Spring St., Wooster, Ohio
8CXZ Leslie H. Jenks... 147 Winona Ave., Highland Park, Mich
8CY Malcolm L. Rivkin... 14355-4th Ave., Huntington, W. Va.
8CYA Paul H. Sanborn... 120 W. Temple, Washington C. H., O
8CYB Harry E. Daugherty... 21 Valley St., Jamestown, N. Y.
8CYC Fred E. Kinne... 21 Sands St., Cortland, N. Y.
8CYD Arthur Wm. Laurion... 21 Sands St., Cortland, N. Y.
8CYE Al'n Thompson, Al'on Thompson, Aveoa, N. Y.
8CYF R. P. Irvine... 3444 Storer Ave., Cleveland, Ohio
8CYG Adam Wlodarski... 395 Hudson Ave., Rochester, N. Y.
8CYH Morris T. Decker... 39 North St., Baldwinville, N. Y.
8CYI Joseph Hertsberg... 306 Clay Ave., Rochester, N. Y.
8CYJ Amzie B. Dreher... 514 Scott St., Stroudsburg, Pa.
8CYK Rowland Plain... 1 Laurel Ave., Binghamton, N. Y.
8CYL Roy E. Mason... 400 Oswego St., Syracuse, N. Y.
8CYM C. M. Bell... 241 Tremont St., North Tonawanda, N. Y.
8CYN Unassigned
8CYO Doyle C. Swartzel... 2121 Burnet St., Cincinnati, Ohio
8CYP C. R. Partridge, Jr... 118 S. Water St., Saginaw, Mich.
8CYQ Ralph W. Pitt... 343 Birr St., Rochester, N. Y.
8CYR Herschel E. Satterfield... 713 E. End Ave., Pittsburgh, Pa.
8CYS Robert M. Whitmer... 91 Wabash St., Battle Creek, Mich.
8CYT Carmen A. Myers... 429 Perkins St., Akron, Ohio
8CYU George W. Gravatt... 2172 Alger Rd., Lakewood, Ohio
8CYV George Snow, Jr... 5538 Northumberland Av., Pittsburg, Pa.
8CYW Maurice E. Kopf... 16 W. Seventh St., Monroe, Mich.
8CYX Gordon A. Atwater... 13621 Blenheim Rd., Cleveland, Ohio
8CYZ Paul J. Hiller... 1558 Winchester Ave., Lakewood, Ohio
8CZ Harold C. Heiss... 9506 Columbia Ave., Cleveland, Ohio
8CZC Harold G. Jones... 806 E. Vine St., Mt. Vernon, Ohio
8CZD Joe Brown... 835-4th St., Fairmont, W. Va.
8CZE Donald McGeorge... 3289 Dellwood Rd., Cleveland, Ohio
8CZF Horace M. Gilman... 4159 Second Blvd., Detroit, Mich.
8CZG Walter H. Fuller... 2000 Hubbard Ave., Detroit, Mich.
8CZH Carlton Springgett... 12 Clinton St., Fairport, N. Y.
8CZI Lawrence J. Schoeneman... Anchorville, Mich.
8CZJ A. J. Seeley... 314 Locust St., Williamsport, Pa.
8CZK Charles Frick... 318 Boyd Ave., Van Wert, Ohio
8CZL Louis C. Roess... 112 Inuis St., Oil City, Pa.
8CZM Oscar H. Bonter... 226 Koss St., Cambridge Springs, Pa.
8CZN Claude A. Schmilde... Center Ave., Ebenezer, N. Y.
8CZO Paden M. Hisson... 2738 Glen Mavr Ave., Pittsburg, Pa.
8CZP Henry Bormann... 3172 W. 114th St., Cleveland, Ohio
8CZQ Carl A. Gimmy... 13503 Emily St., E. Cleveland, Ohio
8CZR Charles Gault... R. F. D. No. 2, Ypsilanti, Mich.
8CZS Boy Scouts of America... Troop 31 (Camp), Welles Island, N. Y.
8CZT E. L. Yates... 21 Parson St., Binghamton, N. Y.
8CZU Robert E. Stealey... Parkersburg, W. Va.
8CZV Fred V. Collins... (Portable), Highland Park, Mich.
8CZW Thomas W. Scott... 1201 1/2 Chestnut St., Connellsville, Pa.
8CZ8 Kenneth W. Conrad... 5 Lincoln Ave., Batavia, N. Y.
8CZ9 Lloyd Brothers... N. Main St., Wellington, Ohio
8CZ0 Ray Spence... 208 Putnam Ave., Marietta, Ohio
8CZ1 Joseph D. Agostine... 137 Monongalia Av., Morgantown, W. Va.
8CZ2 Rupert Stephens... E. State St., Scottsville, Mich.
8CZ3 Horace L. Frange... 309 W. South St., Kalamazoo, Mich.
8CZ4 Herbert Reich... 3000 Berkshire Rd., Cleveland Hgts., O
8CZ5 Joseph Briggs... 29 Taylor St., Cortland, N. Y.
8DAA Albert H. Ernst... 147 Garvin Ave., Elyria, Ohio
8DAB William Woodroe... 1417 Clairmount Ave., Detroit, Mich.
8DAC Scott Mueller... 2818 Corydon Rd., Cleveland Hgts., O
8DAE John E. Erickson... 1214 Carlyon Rd., East Cleveland, O
8DAF Robt. L. Kistler... 7467 McClure Ave., Swissvale, Pa.
8DAG Howard S. Pyle... 3549 Kroger Ave., Cincinnati, Ohio
8DAH Harry L. Pearson... 1217 Monteray St., Pittsburgh, Pa.
8DAI Harry E. Johnston... 620 Chandler Ave., Detroit, Mich.
8DAJ Robt. H. Collingnon... 1328 Niagara Ave., Niagara Falls, N. Y.
8DAK Edward P. Durr... 4730 N. Edgewood Ave., Cincinnati, O
8DAL Arthur Eckhart... 2104 Third St., Dayton, Ohio
8DAM M. S. Specht... 141 W. Liberty St., Wooster, Ohio
8DAN De Mont F. Stevens... 717 Meredith St., Dayton, Ohio
8DAO Ray Edward Urban... Broadview Rd., Independence Twp., O.
8DAP Willard B. Frazier... 727 Frost Ave., Rochester, N. Y.
8DAQ George A. Morse... R. F. D. No. 2, Williamson, N. Y.
8DAR K. Milton R. Miller... 468 Glenwood Ave., Rochester, N. Y.
8DAS Harley McClain... Box 262, Milersburg, Ohio
8DAT Stanley F. Northcott... 1204 Birney St. N., Bay City, Mich.
8DAU William A. Warren... 2210 N. East St., Lansing, Mich.
8DAV Donald P. T. Christy... Harrison Ave., Old Forge, N. Y.
8DAW Russell Whitehurst... High St., Ashley, Ohio
8DAX Cletus J. Collum... 1094 Smith St., Parkersburg, W. Va.
8DAY Olin McPherson... 510 Grand Ave., Lyons, N. Y.
8DAZ Daniel L. O'Hair... Lock Box 27, Williamsport, Pa.
8DB Glyn H. Sees... 9 Ridge Ave., Youngstown, Ohio
8DBA Fred B. Hamilton... Deput St., West Springfield, Pa.
8DBB George E. Guertsey... 715 Catalpa St., Lima, Ohio
8DBC Frank M. Park... Ridge Road, Middleport, N. Y.
8DBD Keith H. Lewis... 318 Jackson St., Vandergrift, Pa.
8DBE Ardeil Crowe... 475 Ella St., Wilkshurg, Pa.
8DBF George F. Martin, Jr... 205 E. Market St., Scranton, Pa.
8DBG Byron R. Weuemann... R.F.D. No. 2, Lakeview, Mich.
8DBH Clair D. Foster... R.F.D. No. 2, Kelley Island, Ohio
8DBI E. E. Seymour... West Springfield, Pa.
8DBJ Arthur L. Puffer... 1802 Sanderson Ave., Scranton, Pa.
8DBK Paul Hansen... 429 Main St., Berlin, Pa.
8DBL Clyde W. Donner... 446 N. Buckeye St., Wooster, Ohio
8DBM Samuel E. Taggart... 117 Park Ave., Wilkes-Barre, Pa.
8DBN Jerome W. Eckenrode... 622 N. Locust St., Adrian, Mich.
8DBO George B. Belswanger... 622 N. Locust St., Tuscarawas, Ohio
8DBP Clare E. Crittes... 333 Oakland Ave., Pittsburgh, Pa.
8DBQ Lex M. Depp... 1005 Steuben St., Utica, N. Y.
8DBR Donald M. Ryan... 107 Page St., Kingston, Pa.
8DBS Bernard Ibsltsky... 41 Prospect St., Ashitabua, Ohio
8DBT Robert E. Guddard... 716 N. Charles St., Lima, Ohio
8DBU Roland P. Dinkel... 443 Franklin St., Palmerton, Pa.
8DBV Fred B. Maynard... 141 W. Kennedy St., Syracuse, N. Y.
8DBW Joseph L. Smith... 203 Washington St., Vandergrift, Pa.
8DBX Paul Renton... 310 W. Central Ave., So. Williamsport, Pa.
8DBY Herbert Frosell... 38 S. Terry St., Dayton, Ohio
8DBZ Henry A. Tindall, Jr... 1119 S. Fountain Ave., Springda, O
8DC J. Warren Wright... 3952 Howley Ave., Pittsburg, Pa.
8DCA Walter L. Horn... 812 Putnam St., Fhdlay, Ohio
8DCB Frank Trauscht... 104 E. Main St., Buckhannon, W. va.
8DCC Leon Shoff... 527 W. Jefferson St., Grand Ledge, Mich.
8DCE Adrian C. Lugbill... N. High St., Columbus Grove, Ohio
8DCF Vincent M. French... 31 Kingsville Ave., Ashtabula, Ohio
8DCG James D. Brewer... 434 N. Main St., Aua, Ohio
8DCD E. L. Baumann... 5 Parkman St., Warren, Ohio
8DCI Paul L. Derr... 236 W. Main St., Ravenna, Ohio
8DCJ Russel W. Neal... 411 High St., Conneaut, Ohio
8DCK Andrew C. Gerren... Frankfort, Pa.
8DCL Rea J. Thompson... 229 S. College St., Washington, Pa.
8DCM Robert J. McClain... 6 Chestnut St., Cooperstown, N. Y.
8DCN Arthur Kenneth Hoese... 135 Grant St., Painesville, Ohio
8DCO J. F. Johnston, Jr... 504 Sheldon St., Grand Haven, Mich.

8DCP Alton J. Hawley... 304 Delaware St., Walton, N. Y.
8DCQ Charles Grace... Woodland Ave., Conneaut, Ohio
8DCR Norman L. Chase... 107 Burt St., Syracuse, N. Y.
8DCS Paul Crouch... 198 Granville St., Newark, Ohio
8DCT Harley D. Harris... 447 River St., Manistee, Mich.
8DCU Henry G. Bonta... 20 Shoemaker St., Forty Fort, Pa.
8DCV John Halsuka... 126 S. Morris St., St. Clair, Pa.
8DCW William W. Simpson... Saranac, Mich.
8DCX Marix Vanderveken... 2206 Washington Ave., Scranton, Pa.
8DCY Kalamazoo High School... Vine St., Kalamazoo, Mich.
8DCZ Howard Johnson... 209 1/2 S. Main St., Upper Sandusky, Ohio
8DD Nelson C. Nichols... 725 Dorcum Rd., Cleveland, Ohio
8DDA Leon N. Howe... 9 Judson St., Canton, N. Y.
8DDB William J. Reilly... 3274 E. Yorkshire St., Cleveland Heights, Ohio
8DDC John E. Wile... 564 N. Grant St., Wooster, Ohio
8DDD Dellet T. Poling... Phillippi, W. Va.
8DDE Charles B. Havens... 82 Jefferson St., Columbus, Ohio
8DDF Wilson W. Kohli... 351 Monroe St., Tiffin, Ohio
8DDG W. Charles Hovey... 30 Henrietta St., Amsterdam, N. Y.
8DDH Earl R. Reithmiller... 434 Stewart Ave., Jackson, Mich.
8DDI Herbert R. Hefferman... Sherwood, N. Y.
8DDJ Mark H. Tanner... 557 Second St., Gallipolis, Ohio
8DDK Fred W. Brice... 119 E. Pine St., Washington, Pa.
8DDL Joseph McKay... 74 Webster St., No. Tonawanda, N. Y.
8DDM Charles Kelly... Kirkland, N. Y.
8DDN Forrest M. Kimble... Davis, W. Va.
8DDO Carl M. Kneisel... 908-4th St., Fairmont, W. Va.
8DDP Lowell T. Hyer... Howard St., Sabina, Ohio
8DDQ Norwalk High School (Weldon Sanger)... E. Main St., Norwalk, Ohio
8DDR Ralph Harris... 601 W. Jefferson Ave., Grand Ledge, Mich.
8DDS Harold E. Seamans... Marathon, N. Y.
8DDT David S. Madill... 413 Indiana Ave., South Haven, Mich.
8DDU Walter O. Parmington... 376 Garson Ave., Rochester, N. Y.
8DDV Roger G. Fairinger... 502 Center Ave., Clark's Summit, Pa.
8DDW Edward L. Long... 34 Burgoyne St., Schuylerville, N. Y.
8DDX Walter S. King... 419 W. College St., Canonsburg, Pa.
8DE Florence C. Potts... 1851 Middle St., Sharpsburg, Pa.
8DEE Cleveland Yacht Club... Cleveland, Ohio
8DF Franklin D. Johnston... 1335 Hill St., Ann Arbor, Mich.
8DG W. V. Shearer... 301-10th St., Conneaut, Ohio
8DH William S. Burkhart, Jr... Cherry Hill, Reading, Ohio
8DJ Donald C. Meyel... 9714 Lamont St., Cleveland, Ohio
8DK Michael M. Weissensee... 2624 Dennis St., Cincinnati, Ohio
8DL Norden Wm. Daubenbis... 2638 Dennis St., Cincinnati, Ohio
8DM Paul L. Hexter... 1543 East Blvd., Cleveland, Ohio
8DN Russel Flora... Sylvania, Ohio
8DO Erwin H. Haass... 3975 Concord Ave., Detroit, Mich.
8DP Russell M. Ireton... 226 Stark St., Saginaw, Mich.
8DQ Emerson L. Eisler... 2387 Calif. Ave., N. S., Pittsb'gh, Pa.
8DR John B. Coleman... 328 Locust St., Edgewood, Pittsb'gh, Pa.
8DS Walter R. Huffman... 403 S. 7th St., Ann Arbor, Mich.
8DT Foster J. Demarest... 811 Walnut St., Williamsport, Pa.
8DU Paul H. Button... 6195 McMillan Ave., Detroit, Mich.
8DV Edwin Abrenda... Monaca, Pa.
8DW James Penberthy... 486 Philadelphia Ave., Detroit, Mich.
8DX Harry J. Walsb... 2910 Gladwin Ave., Detroit, Mich.
8DY Letirand E. Bush... 92 Walnut St., Binghamton, N. Y.
8DZ William Kaus... Euclid Ave., Springfield, Ohio
8EA George A. McIntosh... 1388 Elm St., Detroit, Mich.
8EB Russel M. Blair... 3930 Ivanhoe Ave., Norwood, Ohio
8EC Venard M. Lucas... 35 Hubbard Ave., Columbus, Ohio
8ED Carlisle Benjamm... 174 Glasgow St., Clyde, N. Y.
8EE Louis P. Hamburger, Jr... Camp Idewood, So. Scranton, N. Y.
8EF Albert D. Miller... 19 Hazlett St. N.W., Canton, Ohio
8EG Fred J. Marshall... 517 Leeward Ave., Toledo, Ohio
8EH E. S. Leavenworth... 8998 Martindale St., Detroit, Mich.
8EI Abe I. Frankel... 1 Suter Terrace, Rochester, N. Y.
8EJ Trade High School... Cor. Neilston & Sprng, Columbus, O.
8EK Sidney S. Breenwood... 814 Broad St., St. Joseph, Mich.
8EL Thomas Myers, Jr... 41 Michigan Ave., Buffalo, N. Y.
8EM R. J. Evans... 1500 Neison St., Utica, N. Y.
8EN Clyde Hillman... 2800 Veteran St., Pittsburgh, Pa.
8EO Benton S. Clark... 715 E. Maiden St., Washington, Pa.
8EP A. B. Schwer... 901 W. Washington St., Grafton, W. Va.
8EQ Harold D. Davis... Davis St., Bolivar, N. Y.
8ER LaVerne W. Hughes... 958 Richie Ave., Lima, Ohio
8ES George G. Collins... 601 S. Maple St., Akron, Ohio
8ET Frank Jambor... 1405 E. 52nd St., Cleveland, Ohio
8EU Ervin L. Maneval... 1470 W. 4th St., Williamsport, Pa.
8EV Le Roy M. Levison... 163 Grant Ave., Vandergrift, Pa.
8EW G. B. Cramp... 11 Oregon Ave., Grafton, Pa.
8EX Chas. A. Plunkett, Jr... Lewisburg, W. Va.
8EY H. E. Burns... 111 W. John St., Martinsburg, W. Va.
8EZ Thomas A. King... Helena & Stillwater Sts., Dayton, O.
8FA Arthur M. Stellwagen... 312 E. Jefferson St., Ann Arbor, Mich.
8FB Robert C. Devinyne... 1224 Boyle St., Pittsburgh, Pa.
8FC Donald L. Wood... 310 Augustine St., Rochester, N. Y.
8FD E. D. McCommon... 268 N. Market St., East Palestine, O.
8FE Arthur H. Benzee... 196 Keystone St., Buffalo, N. Y.
8FF William F. Davis... New Straitsville, Ohio
8FG Albert N. Hudson... 406 Park Ave., Fulton, N. Y.
8FH V. J. Lapp... 32 Church St., LeRoy, N. Y.
8FI Harold L. LeVanway... 1013 Prospect St., Lansing, Mich.
8FJ Orville D. Bower... 834-4th St., Marietta, Ohio
8FK P. A. Marsal... 1527 Lakeland St., Lakewood, Ohio
8FL Walter Wm. Mester... 2170 W. 95th St., Cleveland, Ohio
8FM Clare L. Guswiler... Church St., Roscoe, Pa.
8FN William Threm... 2325 Vine St., Cincinnati, Ohio
8FO William M. Near... 210 Orange St., Jackson, Mich.
8FP Peter Tennyson... 102 W. Union St., Natleoko, Pa.
8FQ Frank A. Baumgarten... 325 Melwood St., Pittsburgh, Pa.
8FR Seloun I. Davis... 30 Winders St., Pittsburgh, Pa.
8FS Robert M. Fetzer... 832 Shorb Ave. N.W., Canton, Ohio
8FT Lloyd E. Furrow... 420 Lake St., Troy, Ohio
8FU E. J. Allen... 634 Jefferson Ave., Defiance, Ohio
8FV Clyde W. Thorpe... Washington Ave., Cobleskill, N. Y.
8FW Russell E. Brigham... 141 Main St., Oneonta, N. Y.
8FX Ralph P. Thetreau... 5012 Sheridan Ave., Detroit, Mich.
8FY Walter L. Leatherman... 703 W. Main St., Van Wert, Ohio
8FZ George W. Van Kirk... 196 S. Wash. Ave., Wilkes-Barre, Pa.
8GA Floyd H. Roush... 575 Alger Ave., Detroit, Mich.
8GB Boy Scouts of America... Lansing, Mich.
8GC W. G. Chandler... Blank St., Sylvania, Ohio
8GD Jay Robert David... 743 Brice Ave., Lima, Ohio
8GE Myron Gould... 232 S. 2d St., Cuyahoga Falls, Ohio
8GF Chester H. Pickett... 28 Church St., Hornell, N. Y.
8GG Ellwood H. Snider... 20 Normandy Ave., Rochester, N. Y.
8GH Earl J. Shafer... Community Drive, Dayton, Ohio
8GI Ralph D. Haife... 48 Holmes St., Rochester, N. Y.
8GJ Paul M. Eicks... 299 Grant Ave., Morgantown, W. Va.
8GK Edward G. Goetz... 157 Ideal St., Buffalo, N. Y.
8GL Franklin High School... Otter St., Franklin, Pa.
8GM Jesse H. Shera... 117 W. Walnut St., Oxford, Ohio
8GN Andrew L. Pews... 106 Kern Ave., Clarksburg, W. Va.
8GO Edward Wendell... S. Grece Rd., Grece, N. Y.
8GP James E. Law, Jr... 216 Sycamore St., Clarksburg, W. Va.
8GQ Raymond Moore... 365 Mccormac Ave., Columbus, Ohio
8GR George Norris... 1784 Brush St., Detroit, Mich.
8GS H. S. Brooks... 151 W. 1st St., Fulton, N. Y.



8GT Ray M. Lacey.....2001 Seward Ave., Detroit, Mich.  
 8GU Aberdeen German.....1513-19th St., Fort Huron, Mich.  
 8GV Austin N. Edwards.....540 S. Main St., Middletown, Ohio  
 8GW George W. McKay.....32 W. Third St., Xenia, Ohio  
 8GX Everett W. Thatcher.....263 Elm St., Oberlin, Ohio  
 8GY Lucien D. Coman, Jr.....Chardon Rd., Euclid, Ohio  
 8GZ L. G. Windon.....1375 Franklin Ave., Columbus, Ohio  
 8HA Albert L. Wahl.....Fletcher Ave., Pittsburgh, Pa.  
 8HB Clyde O. Biddison.....Columbiana, Ohio  
 8HC Fred J. Alles.....14 Garnet, Wilkes-Barre, Pa.  
 8HD Arthur L. Miller.....N. Broadway, Spencerville, Ohio  
 8HE Ralph Gaylor.....338 Sackett St., Cuyahoga Falls, Ohio  
 8HF Evening News Association.....615 W. Lafayette Blvd., Detroit, Mich.  
 8HG Paul D. Breese.....221 E. Northwood Ave., Columbus, O.  
 8HH Howard Bowman.....431 Ashland Ave., Detroit, Mich.  
 8HI George F. Wheeler.....806 Fallowfield St., Charleroi, Pa.  
 8HJ Joel J. Young.....717 W. Gray St., Elmira, N. Y.  
 8HK Carl E. Mielke.....3619 Grenada St., N. S., Pittsb'gh, Pa.  
 8HL Elwyn S. Marvin.....121 W. Miller St., Elmira, N. Y.  
 8HM Grove City High School.....Main St., Grove City, Pa.  
 8HN Willet E. Batchelder.....396 Vine St., Akron, Ohio  
 8HO Willis Weaver.....610 Church St., Ann Arbor, Mich.  
 8HP Joseph J. McCormick.....11 Harlow St., Buffalo, N. Y.  
 8HQ Waino T. Pasanen.....21 Lamson Pl., Detroit, Mich.  
 8HR Isadore Levine.....4833 Holyoke Ave., Cleveland, Ohio  
 8HS Robert S. Munsell.....191 Center St., Ashabula, Ohio  
 8HT James L. Egan.....120 Barton St., Buffalo, N. Y.  
 8HU Alvin Anderson.....Main St., Box 223, Hubbard, Ohio  
 8HV Stephen Tarnocz, Jr.....447 E. Hopocan Ave., Barberton, Ohio  
 8HW George K. Rollins.....318 E. Maple Ave., Birmingham, Mich.  
 8HX Archie S. Waterbury.....50 Hawthorne St., Perry, N. Y.  
 8HY Robert W. Shoop.....160 1/2 Jefferson Ave., Vandergrift, Pa.  
 8IA Donald L. Ross.....122 Midwood Ave., Toledo, Ohio  
 8IB Henry B. Joy.....301 Lake Shore Rd., Grosse Pt., Mich.  
 8IC R. C. Higgy.....73 E. Frambes Ave., Columbus, Ohio  
 8ID Lemuel C. Smith.....1800 Peary Ave., Parkersburg, Pa.  
 8IE John H. Sokutis, Geo. J. Noack.....5800 Broadway Ave., Cleveland, Ohio  
 8IF Orvall G. Simmons.....Junction City, Ohio  
 8IG LeLard P. Young.....38 Division St., Fort Plain, N. Y.  
 8IH Frank J. Riley.....1824 E. 35th St., Cleveland, Ohio  
 8II Howard C. Barton.....18 Myrtle St., Le Roy, N. Y.  
 8IJ Percy W. Lister.....1167 Whellock Ave., Detroit, Mich.  
 8IK J. Paul Weirick.....221 S. Market St., Loudonville, Ohio  
 8IL Maurice J. Grainger.....Snake Road, Catskill, N. Y.  
 8IM Irving A. Nerber.....41 Beattie Ave., Lockport, N. Y.  
 8IN Edward Halper.....2240 E. 9th St., Cleveland, Ohio  
 8IO Walter J. Gordon.....326 Main St., Taylor, Pa.  
 8IP Det. Athletic Club.....241 Madison Ave., Detroit, Mich.  
 8IQ Gilbert A. Dieright.....145 Illinois Ave., Youngstown, Ohio  
 8IR A. S. Bachtel.....151 Garman Rd., Akron, Ohio  
 8IS Clark J. Taylor.....721 W. Delaware Ave., Toledo, Ohio  
 8IT Ralph N. Farnham.....Camp Perry, Ohio  
 8IU Walter Loesch.....12517 Arlington St., Cleveland, Ohio  
 8IV Richard E. Sibert.....109 East Benton St., Wapakoneta, O.  
 8IW Archie G. Peoples.....1446 E. 11th St., Cleveland, Ohio  
 8IX Alex W. Kovatch.....1780 Fulton Rd., Cleveland, Ohio  
 8IY Sylvan Kapaport.....618 S. Chestnut St., Lansing, Mich.  
 8IZ Roy T. Van Niman.....121 Beal St., Wooster, Ohio  
 8JA Geo. L. Havers.....714 Parker Ave., Detroit, Mich.  
 8JB Edmund H. Hansen.....1160 Williams St., Plymouth, Mich.  
 8JC Richard E. Morley.....713 N. Park St., Kalamazoo, Mich.  
 8JD Anthony Brinolo.....108 Hughes St., Luzerne, Mich.  
 8JE Al. A. Kledis, Jr.....1031 Hamilton Ave., Grand Rapids, Mich.  
 8JF Edw. C. Jones.....522 Fairmont Ave., Fairmont, W. Va.  
 8JG Frank J. Mangan.....5 River Terrace, Binghamton, N. Y.  
 8JH William D. MacPherson.....923 Nela View Rd., Cleveland Hgts., O.  
 8JI Lakeswood High School.....Robinwood Ave., Lakewood, Ohio  
 8JJ L. Miller Andrus.....505 E. Higham St., St. John, Mich.  
 8JK Paul W. Towsey.....832 Hickory St., Lansing, Mich.  
 8JL Russell L. Schwing.....15 University Ave., Buffalo, N. Y.  
 8JM Lloyd N. Chatterton.....12320 Woodside Ave., Cleveland, Ohio  
 8JN I. W. Copeland.....227 Claremont Ave., Ashland, Ohio  
 8JO Henry I. Metz.....East Brady, Pa.  
 8JP Arthur L. Van Tine.....176 Grant Ave., Vandergrift, Pa.  
 8JQ Oscar A. Chamberlain.....83 W. Exchange St., Akron, Ohio  
 8JR Wilbur & Lot Alexander.....135 S. College St., Washington, Pa.  
 8JS Howard G. Huddle.....Napoleon, Ohio  
 8JT Frank J. Burhans.....8 Elm St., Cobleskill, N. Y.  
 8JU L. W. Brights.....3064 Maybury Gd. Ave., Detroit, Mich.  
 8JV Lewis M. Ripple.....1601-2d Ave., N. E., Canton, Ohio  
 8JW Lee William Perkins.....630 Lodi St., Elyria, Ohio  
 8JX Thos. C. Lightfoot.....1819 Ligonier St., Latrobe, Pa.  
 8JY John Becker.....2662 E. Congress St., Detroit, Mich.  
 8JZ Parke Wright, Jr.....7 Gates Circle, Buffalo, N. Y.  
 8KA Alfred T. Sirrine.....46 E. 20th St., Holland, Mich.  
 8KB Howard E. Strong.....208 E. King St., Smethport, Pa.  
 8KC Keith McGary.....5421 Avery Ave., Detroit, Mich.  
 8KD Werner K. Sauber.....2985 Coleridge Rd., Cleve. Hgts., O.  
 8KE William J. Baldwin.....92 Hazeltine Ave., Kenmore, N. Y.  
 8KF Nicholas J. Ropar.....786 Delaware Ave., Youngstown, Ohio  
 8KG Robert Barrows.....3923 Lindley Ave., Norwood, Ohio  
 8KH J. William Kidd.....404 LaFayette St., Niles, Ohio  
 8KI Cal G. Gutman.....3584 E. 120th St., Cleveland, Ohio  
 8KJ Ellis Merry.....268 Auburn Ave., Pontiac, Mich.  
 8KK Irving C. Davis.....1034 Devonshire St., Detroit, Mich.  
 8KL Nye R. Lampher.....211 South St., W. Painesville, Ohio  
 8KM Jas. R. Carroll.....61 Ben Lomand St., Uniontown, Pa.  
 8KN Boy Scouts of America.....Clear Lake, Mich.  
 8KO Malvin A. Leach.....Seymour & Shilawsee, Lansing, Mich.  
 8KP Doron Bros. Elec. Co.....325-329 B. St., Hamilton, Ohio  
 8KQ Don Geo. McDaniels.....17 Colorado St., Ashabula, Ohio  
 8KR Paul M. Johnston.....425 Welton St., Latrobe, Pa.  
 8KS Marvin C. Hallowell.....27 Champlon Court, Kenton, Ohio  
 8KT Clarence E. Dengler.....285 Brown St., Rochester, N. Y.  
 8KV Eugene Handier.....53 Vassar St., Rochester, N. Y.  
 8KW Norbert Frost.....5 Norway Pl., Buffalo, N. Y.  
 8KX John G. Rice.....922 Walte St., Middletown, Ohio  
 8KY George Miller.....236 Barton St., Buffalo, N. Y.  
 8KZ John F. Kelly.....643 Adams Ave., Scranton, Pa.  
 8LA H. Paul Hartman.....Bradwoods, Pa.  
 8LB Howard W. Lerch.....159 Cottage St., Lockport, N. Y.  
 8LC J. Eddy Bromley.....301 Baynes St., Buffalo, N. Y.  
 8LD Cecil A. Mennie.....6356 Holly St., Detroit, Mich.  
 8LE G. R. Burns.....71 Hancock Ave., East Detroit, Mich.  
 8LF Elmer Ditty.....1487 Arthur Ave., Lakewood, Ohio  
 8LG Ellsworth O. Dumas.....Scott St., Scottville, Mich.  
 8LH William K. Thomas.....17 Emerson Ave., Crafon, Pa.  
 8LI Lester W. Klmley.....45 Kensington Ave., Buffalo, N. Y.  
 8LJ William H. Raring.....20 Dunsmore St., Crafon, Pa.  
 8LK Charles L. Reynolds.....25 Sturges St., Binghamton, N. Y.  
 8LL William A. Hallam.....R.F.D. No. 4, Washington, Pa.  
 8LM Willis Stafford.....Worthington, Ohio  
 8LN Wm. F. Coughenour, Jr.....528 Spring Ave., Latrobe, Pa.  
 8LO William H. Cooney.....328 Sandusky St., Conneaut, Ohio  
 8LP Harry Terry.....601 Pasadena Ave., Detroit, Mich.  
 8LQ C. A. Nickle.....R.F.D. No. 6, Erie, Pa.  
 8LR Albert W. Watkins.....429 E. Walton Ave., Altoona, Pa.  
 8LS Henry Grossman.....13343 Forest Grove Ave., Cleveland, O.  
 8LT Roy R. Palmer.....920 E. Shilawsee St., Lansing, Mich.

8LS John A. Kramer.....2415-16th St. N.E., Canton, Ohio  
 8LT Weldon B. Sanger.....89 S. Linwood St., Norwalk, Ohio  
 8LU Roy E. Palmer.....329 Pennsylvania Ave., Lansing, Mich.  
 8LV Wilfred Ros.....3049 Fisher Ave., Detroit, Mich.  
 8LW Harley L. Sairo.....646 Maplewood Ave., Ambridge, Pa.  
 8LX W. Darwin Hamlin.....15 Kellogg St., Clinton, N. Y.  
 8LY Anthony J. Wember.....736 Baker St., Muskegon Hgts., Mich.  
 8LZ Sherman B. Landman.....134 S. Oakley Ave., Columbus, Ohio  
 8MA Kenneth J. Chase.....196 Wellington Ave., Rochester, N. Y.  
 8MB L. Wm. Collingridge.....3264 W. 126th St., West Park, Ohio  
 8MC M. C. Bartlett.....180 Parker St., Detroit, Mich.  
 8MD Gerald E. Born.....230 Summit St., Oliver Sta., Pitts., Pa.  
 8ME Beaver High School.....Market & 2d Sts., Beaver, Pa.  
 8MF Harold W. Woodmansee.....214 Morris Ave., Buffalo, N. Y.  
 8MG Warren Updike, Jr.....38 Margaret Ave., E. Detroit, Mich.  
 8MI Harold Reoss.....421 Elia St., Wilkinsburg, Pa.  
 8MJ Powell Davis.....709-5th St., N. W., Canton, Ohio  
 8MH Howard C. Looney.....1269 Hayden Ave., East Cleveland, O.  
 8MK Colvin Dresen.....1643 Jefferson Ave., Buffalo, N. Y.  
 8ML Frank Murphy.....Grand Div. & Warner Rd., Cleve., O.  
 8MM Oscar E. Swanson.....184 Bath St., Elyria, Ohio  
 8MN Warren A. Pearsall.....Watkins, N. Y.  
 8MO Frederick A. Ploetz.....754 Grand River Ave., Detroit, Mich.  
 8MP Edwin Hopponen.....1632 Euclid Ave., Detroit, Mich.  
 8MQ Robert Wilkenson.....210 South Ave., Van Wert, Ohio  
 8MR Vernon D. Wellington.....611 Gibbs Ave., Wapakoneta, Ohio  
 8MS Stanley Preston.....95 Magnolia St., Battle Creek, Mich.  
 8MT Wayne Hannum.....R. F. D. No. 6, Kent, Ohio  
 8MU Myron H. Premus.....53 McKinley Ave., Kenmore, N. Y.  
 8MV Curtis & Meyers Elec. Co.....192 Pipestone St., Benton Har., Mich.  
 8MW George E. Lyman.....217 Morgan St., Oberlin, Ohio  
 8MX Alan H. Hantman.....1485 Fairlawn Ave., Dormont, Pitts., Pa.  
 8MY Henry W. Levison.....2255 Adams St., Norwood, Ohio  
 8MZ Harvey F. Wannemacher.....17 West Main St., Lancaster, N. Y.  
 8NA Clarence O. Aber.....29 West Ave., Buffalo, N. Y.  
 8NB Maurice H. Nelson.....625 Benton St., Rochester, N. Y.  
 8NC Alfred Kollmar.....39 Portage St., Buffalo, N. Y.  
 8ND Norman W. Crique.....250 Blaine Ave., Buffalo, N. Y.  
 8NE Louis G. Fabian.....1800 Lillac Ave., Carrick Boro, Pa.  
 8NF George W. Parker.....80 E. Huron St., Pontiac, Mich.  
 8NG Jack Gault.....606 Southfield Ave., Birmingham, Mich.  
 8NH Alb. F. Vandergrift.....1019 Manhattan St., Pittsburgh, Pa.  
 8NI William M. Kohnmorgan.....120 Ardmore St., Niles, Ohio  
 8NJ H. A. Haywood.....697 Grant St., Buffalo, N. Y.  
 8NK W. P. Van Behren.....2149 Scottwood Ave., Toledo, Ohio  
 8NL James J. Dunn.....2446 Townsend Ave., Detroit, Mich.  
 8NM William F. Blake.....3549 Woodward Ave., Detroit, Mich.  
 8NN William E. Brindley.....568 Coal St., Wilkinsburg, Pa.  
 8NO Pietro Muscardi.....812 East Pike St., Clarksburg, W. Va.  
 8NP Niel Spencer.....R. F. D. No. 5, Watertown, N. Y.  
 8NQ C. H. Kreighbaum.....1256 E. 125th St., Cleveland, Ohio  
 8NR Howard W. Sinclair.....Huffords Grove, So. Lebanon, Ohio  
 8NS Herbert Moersfelder.....Carnegie Inst. of Tech. Pittsburgh, Pa.  
 8NT Edw. W. Richards.....27 Roosevelt Ave., Binghamton, N. Y.  
 8NU Winifred E. Jones.....16 Pleasant Ave., Lancaster, N. Y.  
 8NV Joseph A. Barlock.....1026 Talbot Ave., Braddock, Ohio  
 8NW John F. Eckel.....933 Bank St., Cincinnati, Ohio  
 8NX Walter J. Barwell.....131 Island Ave., Lansing, Mich.  
 8NY Mortimer J. McConnell.....134 Benham St., Penn Yan, N. Y.  
 8NZ Elra E. House.....272 N. Michigan Av., Battle Crk., Mich.  
 8OA Frederick V. Hunt.....421 N. Chester St., Barnesville, Ohio  
 8OB Herbert F. Kelso.....Euclid & 4th Sts., Dravosburg, Pa.  
 8OC Hunter J. Lohman.....427 Olive St., McKeesport, Pa.  
 8OD P. L. Pennock.....Lincoln Way, Minerva, Ohio  
 8OE Ralph H. Mercer.....539 Broad St., Ashland, Ohio  
 8OF Mark L. Ruhl.....160 Martin Ave., Columbus, Ohio  
 8OG Lloyd C. Brothers.....N. Main St., Wellington, Ohio  
 8OH Norman F. Anger.....1029 Ferdinand Ave., Detroit, Mich.  
 8OI Alex B. Sparks.....159 Erie St., Elyria, Ohio  
 8OJ Norman Schlack.....406 Knox St., Birmingham, Mich.  
 8OK C. A. Plunkett, Jr.....Lewisburg, W. Va.  
 8OL Theo. Schmazreddt.....9110 Fort St., West, Detroit, Mich.  
 8OM Burton Marks.....25 Tennyson St., Detroit, Mich.  
 8ON Gordon Jewett.....331 S. Rutland St., Watertown, N. Y.  
 8OO David S. Perry.....514 Edgewood Pl., Ithaca, N. Y.  
 8OP Ralph J. Murphy.....715 Leeson Ave., Van Wert, Ohio  
 8OQ Paul D. Murphy.....162 Jefferson Ave., Columbus, Ohio  
 8OR Edw. Gilliam.....91 Calvert Ave., Detroit, Michigan  
 8OS Nat. E. Colegrove.....1899 Knowles St., E. Cleveland, O.  
 8OT Wesley J. Wiseman.....436 Cherry Ave., N. E., Canton, O.  
 8OU Michael Meister.....2303 St. Clair St., Cleveland, Ohio  
 8OV C. S. Abbott.....123 E. 4th St., Jamestown, N. Y.  
 8OW Anthony Mag.....4212 Penn Ave., Pittsburgh, Pa.  
 8OX Carl H. Bogart.....112 W. Dewey St., Youngstown, Ohio  
 8OY Walter H. Bullock.....1207 Taylor Ave., Utica, N. Y.  
 8OZ Robert C. Leacock.....9200 Gratiot Ave., Detroit, Mich.  
 8PA John F. McFarren.....1214 Chislett St., Pittsburgh, Pa.  
 8PB Arthur J. Hessinger.....136 Albany St., Buffalo, N. Y.  
 8PC Henry B. Joy.....(Yacht Spray 111), Detroit, Mich.  
 8PD Elmer Priebe.....3837 W. 37th St., Cleveland, Ohio  
 8PE D. D. Emery.....832 Harvey Place, S. E., Canton, O.  
 8PF Cornelius G. Crowley.....76 Florida St., Buffalo, N. Y.  
 8PG Wilfred J. Vallyley.....66 Sterling Ave., Buffalo, N. Y.  
 8PH Alfred G. Hoffman.....3423 Dury Ave., Cincinnati, Ohio  
 8PI James F. Barton.....Main St., Espy, Pa.  
 8PJ Chas. S. Taylor.....598 Masten St., Buffalo, N. Y.  
 8PK Ethelbert Seiler.....Box 114, E. Bloomfield, N. Y.  
 8PL James Conner.....450 Wellington Ave., Rochester, N. Y.  
 8PM Alfred M. Martin.....2119 Ferry Park Ave., Detroit, Mich.  
 8PN James L. Smith.....14 Davis St., Geneva, N. Y.  
 8PO Edwin A. Hadden.....10321 Olivet Ave., Cleveland, Ohio  
 8PP Herbert Hays.....3017 W. 46th St., Cleveland, Ohio  
 8PQ Edwin A. Hadden.....10321 Olivet Ave., Cleveland, Ohio  
 8PR Don Jay Marshall.....Cass Lake, Mich.  
 8PS H. C. Heiss.....9506 Columbia Ave., Cleveland, Ohio  
 8PT William H. Wilson.....19 Marvin St., Clinton, N. Y.  
 8PU Robert R. Richolt.....Holgate, Ohio  
 8PV Maurice E. Fox.....5280 Bangor Ave., Detroit, Mich.  
 8PW John C. Slade.....R. F. D. No. 3, Hamilton, Ohio  
 8PX Gilroy M. Barker.....2901 W. Liberty Ave., Dormont, Pa.  
 8PY Robert Palmer.....6050 Northfield Ave., Detroit, Mich.  
 8PZ John A. Sullebarger.....1503 Woodbourne Ave., Pittsburgh, Pa.  
 8QA James C. Sykes.....401 1/2 Landon St., Syracuse, N. Y.  
 8QB Arthur A. Lentz.....203 Mosell St., Buffalo, N. Y.  
 8QC Robert C. Emery.....316 Poplar St., Grove City, Pa.  
 8QD Grata Edwards.....26 Homestead Ave., Scottdale, Pa.  
 8QE Arthur D. Slavin.....2001 St. Paul St., Rochester, N. Y.  
 8QF Orange Publishing Co., Inc.....922 Irving Ave., Syracuse, N. Y.  
 8QG George E. Gatfield.....Muskegon, Mich.  
 8QH John C. Larkin.....615 N. High St., Hillsboro, Ohio  
 8QI Albin A. Scheppner.....2514 Peach St., Erie, Pa.  
 8QJ Frank R. Spindler.....1762 St. Paul St., Rochester, N. Y.  
 8QK D. W. Pinkerton.....3020 Council Ave., Toledo, Ohio  
 8QL John A. Wells.....60 Lawrence Ave., Detroit, Mich.  
 8QM Lucius O. Adams.....756 E. Market St., Elmira, N. Y.  
 8QN Frederick Collins.....150 Puritan St., Highland Park, Mich.  
 8QO Unassigned  
 8QP Carl B. Osborne.....221 Park Place, Conneaut, Ohio  
 8QQ Roy F. Sadler.....400 Strathmore Rd., Lansing, Mich.

8QR	Thorvald Peterson	1001 Madison St., Ludington, Mich.
8QS	Edgar L. Ferguson	1222 W. Ottawa St., Lansing, Mich.
8QT	Edw. H. Mitchell	217 E. Main Cross St., Findlay, Ohio
8QU	J. Wm. Anderson	Lincoln St., Box 155, E. Tawas, Mich.
8QV	Ellis Smith	3819 Hough Ave., Cleveland, Ohio
8QW	W. Stanley W. Edgar, Jr.	347 N. Robert Blvd., Dayton, Ohio
8QX	Irving R. Groves	71-a Sheldon Court, Ithaca, N. Y.
8QY	LeVoy M. Lind	675 Hazel St., Akron, Ohio
8QZ	Oscar P. Sutton	114 Shore Haven, Dayton, Ohio
8RA	A. Romeyn Bitter	626 Platt St., Toledo, Ohio
8RB	Alb. E. Miller	6811 Clark Ave., Cleveland, Ohio
8RC	Edgar Hogan	915 Poplar St., Erie, Pa.
8RD	W. H. Smallegenber	15 William St., Meadville, Pa.
8RE	George L. Gates	15 Seymour Ave., Utica, N. Y.
8RF	Edw. F. Roberts	Overlook Blvd., Rochester, Mich.
8RG	Harry L. Bear	Box No. 59, 3d St., Freeport, Pa.
8RH	Glen C. Ormstine	631 Prescott Ave., Scranton, Pa.
8RI	Reserved	
8RJ	Nelson C. Lewis	2921 Urwiler Ave., Cincinnati, Ohio
8RK	Corwin J. Emmons	405 N. Ohio Ave., Sidney, Ohio
8RL	Robert A. Gerhard	478 N. 1st St., Leighton, Pa.
8RM	Vernon C. Alston	1122 Coplin Ave., Detroit, Mich.
8RN	Chas. L. Lohner	62 Glendale Ave., Bedford, Ohio
8RO	Donald L. Wood	310 Augustine St., Rochester, N. Y.
8RP	Wesley L. Allison, Jr.	513 Bayne Ave., Bellevue, Pa.
8RQ	Robert M. Connon	150 Wood St., Wilkingsburg, Pa.
8RR	Thomas J. Danohoe	841 Franklin Ave., Columbus, Mich.
8RS	Roland F. Meng	2525 Pingree Ave., Detroit, Mich.
8RT	Harrie W. Whitby	21 Walnut St., Crafton, Pa.
8RU	Charles C. Rankin	2929 Glenmore Ave., Pittsburgh, Pa.
8RV	Earnest H. Roy	295 Maple St., Buffalo, N. Y.
8RW	Ralph V. Wood	1608 Dewey Ave., Portsmouth, Ohio
8RX	Harlan N. Walker	114 Glendale St., Highland Pk., Mich.
8RY	Arthur C. Bates	Burton, Ohio
8RZ	Kenneth S. Forsbee	R.F.D. No. 1, Savannah, N. Y.
8SA	Donald Carpenter	Cor. Spring & South Pk., Adams, N.Y.
8SB	Harry W. Ruby	429 S. Fountain Ave., Springfield, Ohio
8SC	Stuart H. Graham	615 W. Washington St., Ionia, Mich.
8SD	Lewis Williams	248 Tireman Ave., Detroit, Mich.
8SE	Boy Scouts	Hamilton, Ohio
8SF	Theodore A. Graul	610 Main St., Sharpsburg, Pa.
8SG	J. Carroll O'Donnell	Crispen St., Pittsburgh, Pa.
8SH	Laurens A. Taylor	101 Lyceum St., Geneva, N. Y.
8SI	Carl H. Gebauer	160 Johnson St., Buffalo, N. Y.
8SJ	John Edw. Coleman	649 Ridgedale Rd., Dayton, Ohio
8SK	John B. Atwood	1237 Peerment St., Pittsburgh, Pa.
8SL	Wilber H. Clark	43 Grove Ave., Highland Park, Mich.
8SM	Clarence Gielow	218 McDonough St., Sandusky, Ohio
8SN	Robert M. Edmonds	R.F.D. No. 9, Penn Yan, N. Y.
8SO	Koefler R. Ling	413-3d St., Cresson, Pa.
8SP	Albert Kiser	809 Coleman Ave., Fairmont, W. Va.
8SQ	Edward M. George	434 Earl Ave., Kent, Ohio
8SR	Lee Mc Canns	225 Barrington St., Rochester, N. Y.
8SS	Harry Reams	1231 Hart Ave., Detroit, Mich.
8ST	Harold M. Lemingwell	1010 W. Pine St., Lansing, Mich.
8SU	William A. Hoffman	7344 Denniston Ave., Swissvale, Pa.
8SV	Henry A. Whitehead	Paradox, N. Y.
8SW	Lawrence F. Thelsen	15 Victoria Ave., Buffalo, N. Y.
8SX	Ralph Balazs	9001 Buckeye Rd., Cleveland, Ohio
8SY	Norman Ballbach	3230 Concord Ave., Detroit, Mich.
8SZ	St. Lawrence Univ.	Part St., Canton, N. Y.
8TA	Claude A. Schmdle	Box 61, E-Union Rd., Ebenezer, N. Y.
8TB	Chas. E. Gardiner	23 N. Perry St., Johnstown, N. Y.
8TC	Harold E. Batterson	23 Richard St., Rochester, N. Y.
8TD	Ralph W. Pitt	343 Elm St., Rochester, N. Y.
8TE	George H. Williams	705 Fifth Ave., New Kensington, Pa.
8TF	Geovial R. Piper	3807 Kirby Ave., W. Detroit, Mich.
8TG	Howard S. Gould	8520 Brush St., Detroit, Mich.
8TH	Ervin Stephenson	1900-16th St., Parkersburg, W. Va.
8TI	A. R. Heyden	1810 Francis St., Jackson, Mich.
8TJ	John G. Martin	12 Innis St., Columbus, Ohio
8TK	A. and M. Bleckhard	N. Main St., Antwerp, Ohio
8TL	Herbert C. Loastler	2150 St. Paul St., Rochester, N. Y.
8TM	Ralph M. Brown	81 Maple St., Dorrancton, Pa.
8TN	Harry L. Wadsworth	Riffton, Pa.
8TO	Fred J. Kucklick	622 Vine St., Coshocton, Ohio
8TP	Chas. B. Marvin	951 Euclid Ave., E. Detroit, Mich.
8TQ	Chas. G. Frye	600 Thayer St., Syracuse, N. Y.
8TR	Donald E. Jenkins	218 Hyde Park Ave., S. Scranton, Pa.
8TS	Walter B. Lacock	456 W. Broadway, Granville, Ohio
8TT	John D. Bay	640 W. Jackson St., Painesville, Ohio
8TU	Nelson A. Otto	427-6th St., Niagara Falls, N. Y.
8TV	Arthur B. Rudenauer	1646 Elmwood Ave., Lakewood, Ohio
8TW	Gilbert Brockman	522 Riddle Rd., Cincinnati, Ohio
8TX	Earl Schwenger	1834 E. 101st St., Cleveland, Ohio
8TY	Richard Bissell	506 Pendergast Ave., Jamestown, N. Y.
8TZ	Milton Freuhauf	17702 Detroit Ave., Lakewood, Ohio
8UA	Y. M. C. A. Ass'n	2231 Carnegie Ave., Cleveland, Ohio
8UB	Frank J. Maslyk	Prospect St., Box 2, Elyria, Ohio
8UC	Paul Graeter	967 McMillan St., Cincinnati, Ohio
8UD	Clark W. Mawby	1000 Pitkin Ave., Akron, Ohio
8UE	Norbert Schaefer	32 Broadway Ave., Lancaster, N. Y.
8UF	Clarkson College of Technology	57 Main St., Potsdam, N. Y.
8UG	Thomas Quincey	452 Davison Ave., W. Detroit, Mich.
8UH	Harold C. Robinson	1751 Northfield Ave., Cleveland, Ohio
8UI	The Radiophone Corporation	5680-12th St., Detroit, Mich.
8UJ	Clarence R. Witte	1182 Leverenz Ave., Detroit, Mich.
8UK	Edwin H. Poad	1509 E. 123d St., Cleveland, Ohio
8UL	Harvey S. Dillenbeck	East Ave., Avoca, N. Y.
8UM	Percy D. McFarland	802 Woodlawn St., Scranton, Pa.
8UN	Orland J. Calabrese	6219 Van Dyke Ave., Detroit, Mich.
8UO	Malcom E. Snyder	318 E. Walnut St., Ashland, Ohio
8UP	James W. Weir	5500 Pecosset St., S. H. S. Pitts., Pa.
8UQ	Ralph W. French	1675 Pilgrim Pl., Akron, Ohio
8UR	Fred Cain	1224 Bryden Rd., Columbus, Ohio
8US	Reserved	
8UT	Harold L. Hargnett	352 Welsh Ave., Wilmerding, Pa.
8UU	John Churay	531 Vermont Ave., Glassport, Pa.
8UV	Myron Gould	12542 Clifton Blvd., Lakewood, Ohio
8UW	James C. Bibbins	307-1st St., Jackson, Mich.
8UX	Donald A. Hoffman	50 S. Balch St., Akron, Ohio
8UY	Howard F. Hansell	611 Yankee Rd., Middletown, Ohio
8UZ	Walter J. Brown	Red Rock, Pa.
8VA	Raymond J. Burke	243 Chestnut St., Akron, Ohio
8VB	W. D. Mathews	Main St., Mariett, Mich.
8VC	Edw. E. Jones	1144 Academy St., Scranton, Pa.
8VD	R. L. Chambordton	Lancaster, Pa.
8VE	Frederic E. Westervelt	Lancaster, Pa.
8VF	Clyde Hillman	2800 Veteran St. N.S., Pittsburgh, Pa.
8VG	John E. Harvey	1323 Donlass Ave., Youngstown, Ohio
8VH	Kenneth B. Lloyd	253 E. 8th St., Erie, Pa.
8VI	Raymond Bidal	3890 St. Clair Ave., Detroit, Mich.
8VJ	Edwin W. Tarbox	535 W. Lima St., Findlay, Ohio
8VK	John C. Clark	535 W. Broad St., Shelby, Ohio
8VL	John Raymond E. Deemer	2806 York Ave., Cleveland, Ohio
8VM	Justin H. Smith	1113 N. Park St., Kalamazoo, Mich.
8VN	Edward B. London	130 Avenue F. East Pittsburgh, Pa.
8VO	Ulysses G. Patterson	35 E. State St., Gloversville, N. Y.
8VP	Cecil T. Hall	423 Edgemont St., Pittsburgh, Pa.
8VQ	Hugh Stewart	Franklin St., Freeport, Pa.
8VR	John P. Schaming	3114 McClurg St., S. S., Pitts., Pa.

8VS	Edw. Scott Howe	2750 Leighton Rd., Cleveland, Ohio
8VT	W. T. Nelson	N. Main St., Royal Oak, Mich.
8VU	Frederick W. Millsbaugh	37 Gaylord St., Binghamton, N. Y.
8VV	Ernest A. Munch	105 Excelsior St., Pittsburgh, Pa.
8VW	Joseph W. Meyer	1184 College Ave., Elmira, N. Y.
8VX	Edw. R. Lappe	7125 Agnew St., Pittsburgh, Pa.
8VY	Frank M. Louwaert	1227 N. Burdick St., Kalamazoo, Mich.
8VZ	Elbert A. Greene	15 S. High St., Greenville, Pa.
8WA	Albert E. Allen	1649 Temple St., Detroit, Mich.
8WB	Gustav C. Kostecky	11802 Union Ave., Cleveland, Ohio
8WC	William L. Snyder	402 Ridge St., Crowsville, Pa.
8WD	C. J. Jenks	164 Front St., Buffalo, N. Y.
8WE	Lester W. Reimsnyder	310 Woodlawn Ave., Elmira, N. Y.
8WF	Thomas R. Wayne	R.F.D. 6, Box 14, Bellefontaine, O.
8WG	Earl M. Wilson	Hot. Sherid. Canisteo St., Hornell, N.Y.
8WH	Carl C. Peugeot	Stryker, Ohio
8WI	Sidney Lohmann	307 W. Main St., Greenville, Ohio
8WJ	Charles E. Floyd	229 E. 5th St., Salem, Ohio
8WK	Edward A. Wandler	5939 Canton Ave., Detroit, Mich.
8WL	Geo. L. McLean	8936 N. Clarendon Ave., Detroit, Mich.
8WM	Elwood Reese	230 W. Main St., Plymouth, Pa.
8WN	Clarence Luels	231 Grand Ave., W. High'd Pk., Mich.
8WO	Harold Brainard	836 Richmond Ave., Buffalo, N. Y.
8WP	Jaas W. Spear	2994 Euclid Hts. Bd., Cleveland Hts., O.
8WQ	Harold Wengate	36 Stone St., Onelda, N. Y.
8WR	C. M. Chorpensing	115 W. Church St., Conneville, Pa.
8WS	Paul Louis	600 California Ave., Oakmont, Pa.
8WT	Arthur J. Sands	3 William St., Amsterdam, N. Y.
8WU	Earl L. Mart	West Cairo, Ohio
8WV	Geo. E. Hoffstetter	79 S. 18th St., Columbus, Ohio
8WW	Jack Fobara	1506 E. Congress St., Detroit, Mich.
8WX	Floyd M. Williamson	622 Helen Ave., Detroit, Mich.
8WY	Samuel W. Townsend	79 Marvin Ave., Akron, Ohio
8WZ	Harold E. Sticker	420 Woodlawn Ave., Bucyrus, Ohio

# Special Radio Stations of the Eighth District

8XA	Univ. of Michigan	Dept. of Elec. Eng., Ann Arbor, Mich.
8XAC	William B. Duck Co.	Toledo, Ohio
8XAD	Federal Telephone & Teleg. Co.	1738 Elmwood Ave., Buffalo, N. Y.
8XAE	Henry B. Joy	1740 Penobscot Bldg., Detroit, Mich.
8XAF	Howard P. Hardesty	396 Monterey Av., Highland Pk., Mich.
8XAG	Doron Bros. Elec. Co.	329 Terrace Ave., Hamilton, Ohio
8XAH	Ohio Mechanics Institute	Cincinnati, Ohio
8XAI	Union Gas & Electric Co.	Front & Ross Sts., Cincinnati, Ohio
8XAK	Wittenberg College	Carnegie Science Hall, Springfield, Ohio
8XB	Precision Equipment Co.	2437 Gilbert Ave., Cincinnati, Ohio
8YAA	Marietta College	Dept. of Physics, Marietta, Ohio
8YAB	Scott High School	Collingwood Ave., Toledo, Ohio
8YAC	St. Xavier College	Victory Pkwy & Dana, Cincinnati, O.
8YAD	C. M. Howe	Board of Education, Cincinnati, Ohio
8YAE	Oberlin College	Peters Hill, Oberlin, Ohio
8YAF	Univ. of Detroit	650 E. Jefferson Ave., Detroit, Mich.
8XD	Ford Motor Co.	Dearborn, Mich.
8XE	Penna. State College	State College, Pa.
8XF	Washington & Jefferson College	Dept. of Physics, Washington, Pa.
8XG	P. E. Wiggin	412 Whitney Ave., Pittsburgh, Pa.
8XH	Ohio State Univ.	Elec. Eng. Dept., Columbus, Ohio
8XI	Frank Conrad	7712 Penn. Ave., Pittsburgh, Pa.
8XL	Ford Motor Co.	Northville, Mich.
8XM	M. H. Pancost	1101 Climax St., Lansing, Mich.
8XN	Bucknell Univ.	Dept. Elec. Eng., Lewisburg, Pa.
8XO	The Detroit News	615 Lafayette Blvd., Detroit, Mich.
8XP	The Detroit Edison	Port Huron, Mich.
8XS	Wilcox Laboratories	131 S. Fairview Ave., Lansing, Mich.
8XT	Cleveland Electric Illuminating Co.	Cleveland, Ohio
8XU	Cornell University	Franklin Hall, Ithaca, N. Y.
8XV	F. S. McCullough	126 Lincoln Ave., Pittsburgh, Pa.
8XW	Radio Electric Co.	1427 Liberty Ave., Pittsburgh, Pa.
8XX	Duquesne University	Cor. Genesee & South, Auburn, N. Y.
8YA	Edw. Colby	Cleveland, Ohio
8YD	Shaw Tech. School	E. Cleveland, Ohio
8YE	University of West Virginia	Morgantown, W. Va.
8YF	Mich. Agr. College	Elec. Eng. Dept., E. Lansing, Mich.
8YG	W. Virginia Univ.	Dept. of Physics, Morgantown, W. Va.
8YH	Univ. of Pittsburgh	Dept. Elec. Eng., Pittsburgh, Pa.
8YI	Ohio Wesleyan Univ.	S. Sandusky St., Delaware, Ohio
8YK	Denison Univ.	Dept. of Physics, Granville, Ohio
8YN	Battle Creek High	Van Buren, Battle Creek, Mich.
8YO	Ohio State Univ.	Dept. Elec. Eng., Columbus, Ohio
8YQ	Independent Wireless Teleg. Co.	Matn & Tupper, Buffalo, N. Y.
8YR	Miami Univ.	Oxford, Ohio
8YS	Univ. of Cincinnati	Dept. of Physics, Cincinnati, Ohio
8YT	Mt. Union College	Alliance, Ohio
8YU	Y. M. C. A.	Dayton, Ohio
8YV	Grove City College	Grove City, Pa.
8YX	University of Cincinnati	Cincinnati, Ohio
8YZ	Peabody High School	Pittsburgh, Pa.
8ZA	Chas. J. Murray	715-726 W. Fair St., N. Phila., Ohio
8ZB	E. S. Ensign, Wm. Van Buren	923 W. Bancroft St., Toledo, Ohio
8ZD	Parker E. Wiggin	412 Whitney Ave., Wilkingsburg, Pa.
8ZE	Clarence T. Hewitt	7942 Westmoreland Ave., Swissvale, Pa.
8ZF	Maurice H. Pancost	1101 Climax St., Lansing, Mich.
8ZG	A. J. Manning	252 McKinley St., Salem, Ohio
8ZH	Cino Radio Mfg. Co.	218 W. 12th St., Cincinnati, Ohio
8ZK	A. M. Lindsay, Jr.	600 Park Ave., Rochester, N. Y.
8ZL	Charles Candler	105 S. Ash St., St. Marys, Ohio
8ZM	Cyrus H. Fraser	48 Glenwood Ave., Buffalo, N. Y.
8ZN	J. W. Kauffman	208 Claremont Ave., Ashland, Ohio
8ZO	Loren G. Windom	1375 Franklin Ave., Columbus, Ohio
8ZP	Edw. I. Delghan	5415 Hermann Ave., Cleveland, Ohio
8ZQ	Roy C. Ehrhardt	117 S. Blakely St., Dummore, Pa.
8ZS	John H. Stenger, Sr.	66 Glidersleeve St., Wilkes-Barre, Pa.
8ZV	Henry L. Lev	619 Fourth St., Canton, Ohio
8ZW	John C. Strobel, Jr.	National Rd., Wheeling, W. Va.
8ZY	Harry S. Weber	1113 Walnut St., Dover, Ohio
8ZZ	K. A. Duerk	1000 Wilhelm St., Defiance, Ohio
8ZZZ	Clyde E. Darr	137 Hill Ave., Highland Park, Mich.
8ZAA	J. Warren Wright	1119 S. Fountain St., Springfield, Ohio
8ZAB	Shotton Radio Mfg. Co.	413 Connel Blvd., Scranton, Pa.
8ZAC	Clifford H. Galloway	612 Park St., Barnesville, Ohio
8ZAD	Experimental Radio Association	Marysville, N. Y.
8ZAE	Burton P. Williams	3220 Orleans St., Pittsburgh, Pa.
8ZAF	Rbt. C. Bohmann	1180 Willard Ave., Columbus, Ohio
8ZAG	Charles E. Holmes	310 W. Brow St., Grand Rapids, Mich.
8ZAJ	R. D. McCommon	268 N. Market St., East Palestine, Ohio

# The Largest Exclusive Radio House in the Country

Dr. Wm. D. Reynolds, Jr.,  
Operator and Announcer,  
KLZ, Denver.



**We Have the  
Stock, Service, Price**

**WE ARE DISTRIBUTORS FOR**

**We Pay  
Particular Attention**

**To  
Mail Orders  
Send Us Yours**

We are exclusive distributors for Citizens Radio  
Call Book in this territory.

- Magnavox
- Kennedy
- Grebe
- De Forest
- Clapp-Eastham
- Remler
- Murdock
- Nath. Baldwin
- Cunningham
- Jewell
- Elec. Specialty Co.
- Federal
- Atwater-Kent
- Chelsea
- Howard
- Frost
- Gilfillan
- Rectigon Chargers
- Homechargers
- Willard Batteries
- General Radio
- Acme
- Eby
- Citizens Radio
- Service Bureau

"Tis a Privilege to Live in Colorado, Where the Sun  
Shines and the Birds Sing," KLZ, Denver.

We are registered members of the Radio Jobbers Association  
of the Rocky Mountain Region and the Radio  
Trade Association of New York.

Kennedy	
281 Receiver	\$ 90.00
521 Amplifier	55.00
220 Receiver	150.00
110 Receiver	285.00
525 Amplifier	85.00

Magnavox	
R-3 Amplifier	\$35.00
R-3 Amplifier	60.00
AC-2C Power Amplifier	55.00
AC-3C Power Amplifier	75.00

De Forest	
Reflex D7 Receiver	\$112.00
Reflex D-7A Receiver	125.00

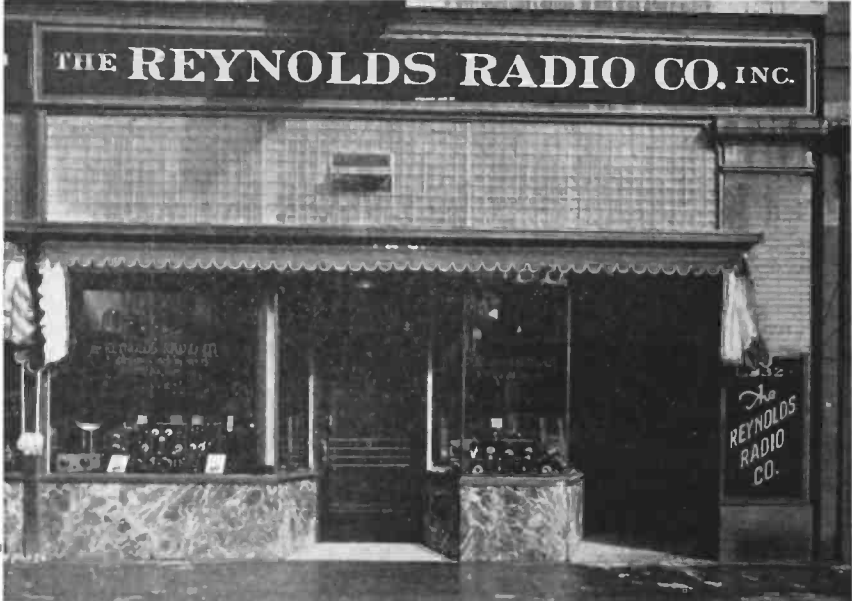
Grebe	
CR-3 Receiver	\$ 65.00
CR-5 Receiver	80.00
CR-8 Receiver	80.00
CR-9 Receiver	130.00
RORK Amplifier	55.00
RORD Amplifier	75.00
RORN Radio Frequency	60.00

Atwater-Kent	
3715 Coupled Circuit Tuner	\$10.00
3752 Mtd. Coupled Circuit Tuner	12.00
3902 Single Detector Unit	4.00
3676 TA Detector Amplifier	13.00
3634 TA-2 Stage Amplifier	14.00
3812 Detector 2 Stage Amp	16.00

Clapp-Eastham	
HR Receiver	\$40.00
HZ Amplifier	40.00

Accessories	
C-300 Tubes	\$5.00
C-301 Tubes	6.50
C-301A Tubes	9.00
Variometers	
Remler	\$7.50
Gilfillan	9.00
Dayfan	7.50
Atwater-Kent	8.00
Variocouplers	
Remler	\$5.40
Gilfillan	9.00
Dayfan	8.00
Atwater-Kent	8.00
Phones	
Nath. Baldwin	\$12.00
Murdock 2m	5.00
Murdock 3m	5.50
Kellogg	6.00
Frost 2m	5.00
Frost 3m	6.00
Brandes	8.00
Battery Chargers	
Rectigon	\$18.00
Homecharger	18.50
Freshman Grid Leak	\$1.00
Ducon	1.50
Elec. Heat Unit Sold.	
Iron	1.50
Post Electric Sold.	
Iron	6.00
Peanut Tube Adaptors	1.00

Accessories	
Bradleystats	1.85
Radio Freq. Acme	
R-1, R-2, R-3, R-4	each 5.00
Transformers	5.00
Formica Panel	
1/4, 3/16, 1/8, cut to size.	
4c 3c 2c sq. inch.	
Wire, tin, copper 1c per ft.	
Silver plated 2c per ft.	
Magnet Wire on spool, all sizes.	
Copperweld, 100 ft. 60c; 200 ft. 90c.	
Copper Wire, 14 stranded, 1c per ft.	
Copper Wire, 14 solid, 75c per 100 ft.	
Insulators, all sizes.	
Westwyre Vernier Cond., 11 Plate	\$5.25
Westwyre Vernier Cond., 23 Plate	5.75
Mignon Vernier Cond. 23 Plate	6.50
Mignon Vernier Cond. 43 Plate	7.50
Fesco Condenser 23 Plate	3.00
Fesco Condenser 43 Plate	4.00



## THE REYNOLDS RADIO CO., Inc.

KLZ  
Wholesale

1534 Glenarm Street, DENVER, COLORADO  
Send for Our 68 Page Illustrated Catalog

9ZAF  
Retail

Tell 'Em You Saw It in the Citizens Radio Call Book



# Amateur Radio Stations of the Ninth District

Headquarters, Federal Bldg., Chicago, Ill. The ninth district comprises the States of Illinois, Indiana, Wisconsin, Minnesota, Kentucky, Kansas, Missouri, Iowa, Colorado, South Dakota, North Dakota and the Upper Peninsula of Michigan.

9AA	Cyrus T. Read	507 W. 82d St., Chicago, Ill.	9AEC	J. A. Murphy	1647 Harrison Ave., Lincoln, Neb.
9AAB	Charles Koerner	308 Dane St., Waterloo, Iowa	9AED	A. E. Rydberg	205 W. Lowell Ave., Shenandoah, Iowa
9AAC	Thomas Nugent	4359 Lindell St., St. Louis, Mo.	9AEE	H. W. Pearce	1053 W. 35th St., Indianapolis, Ind.
9AAD	Edward J. Doyle	1440 Chase Ave., Chicago, Ill.	9AEF	Unassigned	
9AAE	Ralph R. Torodo	1820 Columbus Ave., Des Moines, Ia.	9AEG	Irv Graham	1137 W. Central St., El Dorado, Kans.
9AAF	Robert H. Bennett	2020 Meridian St., Anderson, Ind.	9AEH	Robert D. White	1619 Wells St., LaCrosse, Wisc.
9AAG	Neil Albert	104 Ohio and Pettis Sts., Sedalia, Mo.	9AEI	R. C. Heeden	2314 W. 2d St., Duluth, Minn.
9AAH	Nemec & Plummer	17 W. 8th Ave., Cedar Rapids, Iowa	9AEJ	Bertram Wiet	835 Broadway, Fargo, N. Dak.
9AAI	Clare K. Bros.	4619 Dupont Ave., Minneapolis, Minn.	9AEK	Unassigned	
9AAJ	Dudley W. Hart	Littleton, Colo.	9AEL	Richard T. Taggart	247 N. Monroe St., Mooreville, Ind.
9AAK	Woody R. Moore	1502 N. Lawrence St., Wichita, Kans.	9AEM	Leslie E. Hart	1027 Main St., Richmond, Ind.
9AAL	F. L. Wilcox	4602-A Delmar Blvd., St. Louis, Mo.	9AEN	Elton W. Walker	350 Florence St., Houghton, Mich.
9AAM	Raymond Moen	Colfax, N. D.	9AEO	John J. Short	6122 Marshfield Ave., Chicago, Ill.
9AAN	W. A. Roben	625 N. 4th Ave., Sheldon, Iowa	9AEP	Joseph Hammel	2203-A, S. 11th St., St. Louis, Mo.
9AAO	Carl W. Fumberg	615 N. 10th Ave., Fargo, N. Dak.	9AEQ	William H. Gass	413 7th Ave., Shenandoah, Iowa
9AAP	Marian Szukalski, Jr.	1027 Windlake Ave., Milwaukee, Wisc.	9AER	David Krueger	1848 W. 59th St., Chicago, Ill.
9AAQ	Theodore F. Leonard	224 Lincoln Ave., Rensselaer, Ind.	9AES	Bertram W. Huelfelman	3141 N. Sawyer Ave., Chicago, Ill.
9AAR	E. F. Grosshouser	205 Elgin Ave., Forest Park, Ill.	9AET	Paul Thelsen	6950 Western Ave., Chicago, Ill.
9AAS	Robert W. Field	808 Frederica St., Owensboro, Ky.	9AEU	John H. Harlett	David City, Neb.
9AAT	William E. Renshaw	Carmel, Ill.	9AEV	Bertram G. Spinner	3929 N. Kostner Ave., Chicago, Ill.
9AAU	Carl Klent	3148 Halliday Ave., St. Louis, Mo.	9AEW	Carl W. Berry	930 First Ave., Sioux Falls, S. Dak.
9AAV	Riehard M. Sherrill	2505 Hartzell St., Evanston, Ill.	9AEX	Joseph H. Brattain	217 N. High St., Muncie, Ind.
9AAW	W. E. Schweitzer	4264 Hazel Ave., Chicago, Ill.	9AEY	Earl H. Beardmore	Glascow, Kans.
9AAX	Clifford W. Manley	9321 Lafayette Ave., Chicago, Ill.	9AEZ	Wallace R. Smith	2311 W. Third St., Duluth, Minn.
9AAY	Richard Rhodus	835 Junior Terrace, Chicago, Ill.	9AF	Ralph E. Bruote	27 W. Williams St., Hammond, Ind.
9AAZ	Nelson Helm	14 Fourth St., Louisville, Ky.	9AFA	Paul W. Elmquist	1517 Portland Ave., Minneapolis, Minn.
9AB	Cancelled		9AFB	R. D. Stewart	Cambridge, Wis.
9ABA	D. I. Shepard	St. John, Kans.	9AFC	Unassigned	
9ABB	Arthur M. Butler	Charlissa, Minn.	9AFD	L. J. Arthurs	1521 "O" St., Lincoln, Neb.
9ABC	Ray S. Thompson	Hancock, Minn.	9AFE	Principia High School	Page and B.11 Aves., St. Louis, Mo.
9ABD	Francis T. Pogle	3232 Fifth Ave., S., Minneapolis, Minn.	9AFF	William P. Atchison	134 1/2 Galena St., Freeport, Ill.
9ABE	Home E. Clayton	680 Arch St., Indianapolis, Ind.	9AFG	Lineus Langer	Olds, Iowa
9ABF	Robert J. Woolsey	7242 Oleander St., Chicago, Ill.	9AFH	Ray O. Wolf	R. F. D. No. 1, Rockport, Mo.
9ABG	W. J. Beetham	Fennimore, Wis.	9AFI	George A. Tracy	122 Hubbell Ave., Houghton, Mich.
9ABH	Stanley Byquist	805 W. Oakland Ave., Bloomington, Ill.	9AFJ	C. Vincent Carroll	315 Sunnyside Ave., Valley City, N. D.
9ABI	Unassigned		9AFK	Bernard Shallow	653 78th Ave., West Allis, Wisc.
9ABJ	Unassigned on account death of operator		9AFL	Gerald Hoffman	5124 Maple Ave., St. Louis, Mo.
9ABK	Fay F. Williams	Huron, Ind.	9AFM	Owen K. Lee	607 Maple St., Ft. Atkinson, Wisc.
9ABL	Marcus L. Potter, Jr.	685 S. Greenwood St., Kanabate, Ill.	9AFN	Donald H. Stover	725 W. Aon St., Freeport, Ill.
9ABM	Wilbert Brown	4815 Culloma Ave., Chicago, Ill.	9AFO	Clement A. Portman	409 Leashway St., South Bend, Ind.
9ABN	Harold H. Parsons	1866 12th Ave., Moline, Ill.	9AFP	Richard B. Black	1002 B. Mont Ave., Grand Forks, N. D.
9ABO	Heward Jesse Smith	1144 Waller Ave., Chicago, Ill.	9AFQ	Independent School District No 5	300 Forest Ave., Vermillion, S. D.
9ABP	Clayton L. Bentley	6805 Race Ave., Chicago, Ill.	9AFR	Unassigned	
9ABC	H. M. Gilley	First St., Columbus Junction, Ia.	9AFS	William C. Lundquist	Winfield, Iowa
9ABR	W. A. Stewart	3308 N. 13th St., Terre Haute, Ind.	9AFT	Engene W. Applebaum	910 Addison St., Chicago, Ill.
9ABS	Harry C. Stearns, Jr.	318 S. 19th Ave., Maywood, Ill.	9AFU	William J. Morey	5413 Ferdinand St., Chicago, Ill.
9ABT	Herbert A. McDowell	3618 Oakland Ave., Minneapolis, Minn.	9AFV	A. H. Rosvold	423 N. Third St., Aberdeen, S. D.
9ABU	V. M. Cousins	Carrington, N. D.	9AFW	Dale E. Holloway	Churdan, Iowa
9ABV	Clifford H. Rogers	226 E. 6th St., Hutchinson, Kans.	9AFX	Karl V. Nyquist	Stromsburg, Neb.
9ABW	Edward Marhofer	1838 Garfield Blvd., Chicago, Ill.	9AFY	Lincoln F. Kleismeler	2743 Dunkeld St., Denver, Colo.
9ABX	Alexander R. Mehrlhof	1224 Lunt Ave., Chicago, Ill.	9AFZ	Wayland Gilbert	Starr and Dill Sts., Burlington, Iowa
9ABY	Hamilton D. Mahry	224 Washington Ave., Albia, Iowa	9AG	Ralph S. Drummond	5421 Crystal St., Chicago, Ill.
9ABZ	Thomas L. Rowe	1643 W. Adams St., Chicago, Ill.	9AGA	R. E. Engen	1959 Fairmount Ave., St. Paul, Minn.
9AC	John E. Brennan	5714 Race Ave., Chicago, Ill.	9AGB	George S. Holly	7402 Maryland Ave., Chicago, Ill.
9ACA	Merle L. Baker	405 Indiana Ave., Chicago, Ill.	9AGC	E. F. Hess	Florer, Iowa
9ACB	Lorraine F. Jones, III	519 N. Taylor Ave., Kirtwood, Mo.	9AGD	Unassigned	
9ACC	James E. Robinson	1411 Main St., Bloomington, Ill.	9AGE	E. H. Martine	4538 Grand Blvd., Chicago, Ill.
9ACD	Stanley A. Vye	200 5th St., Minneapolis, Minn.	9AGF	Clarence J. M. Olsen	1800 Park Ave., Chicago, Ill.
9ACE	William M. Eitzen	826 N. 9th St., LaFayette, Ind.	9AGG	Harold G. Cutler	118 1/2 Richmond Ave., Richmond, Ind.
9ACF	Joseph E. Smith	4320 Federal Bldg., Denver, Colo.	9AGH	David W. Owens	220 W. Jackson St., Muncie, Ind.
9ACG	A. C. Goodnow	4467 Lake Park Ave., Chicago, Ill.	9AGI	Unassigned	
9ACH	Harry M. Riddle	R. R. No. 2, Syracuse, Ind.	9AOJ	Unassigned	
9ACI	Frank Wozniak	5123 Ada St., Chicago, Ill.	9AKG	Sheldon High School	State and Elm Sts., Chicago, Ill.
9ACJ	Chicago Radio Assembly	2513 Blue Island Ave., Chicago, Ill.	9AGL	Raymond D. Hutchens	5608 Broadway, Chicago, Ill.
9ACK	John Sauer, Jr.	174 Martin St., Milwaukee, Wisc.	9AOM	John W. Pfahler	204 6th St., Wilmette, Ill.
9ACL	Wesley J. Niebersall	406 Peoria Ave., Mendota, Ill.	9AGN	Unassigned	
9ACM	Steffen-Kraus-Augusta	1611 N. 8th St., Sheboygan, Wisc.	9AGO	Francis C. Miller	1807 S. Adams St., Marion, Ind.
9ACN	Otto Frank Volta	Lone Tree, Iowa	9AGP	Perceval R. Piper	3763 Wabash Ave., Chicago, Ill.
9ACO	Nanto C. Bos	200 S. Humphrey Ave., Oak Park, Ill.	9AGQ	Lexington Radio Club	Care St., Paul's School, Lexington, Ky.
9ACP	Donald E. Hooker	Box 164, Carpentersville, Ill.	9AGR	Howard S. Geiser	50 N. Court St., Cross Point, Ind.
9ACQ	Weldon Eisenbrand	1726 Wright St., Milwaukee, Wis.	9AGS	Lane Technical High School	Division & Sedgwick Sts., Chicago, Ill.
9ACR	C. R. Thornrose	1743 Carmen Ave., Chicago, Ill.	9AGT	Cancelled	
9ACS	Edwin F. Nelson	460 W. Second St., Superior, Wisc.	9AGU	Unassigned	
9ACT	Norman Korinek	508 Gerfield Ave., Menominee, Mich.	9AGV	Wayne M. Stack	1618 Edgewater Ave., Chicago, Ill.
9ACU	F. T. Dickinson	3047 S. Hennepin Ave., Minneapolis, Minn.	9AGW	Charles A. Erhart	1221 S. Harding Ave., Chicago, Ill.
9ACV	F. L. White	3062 E. Douglass Ave., Wichita, Kans.	9AGX	Manhattan Electrical Supply Co.	206 Linden Ave., Clayton, Mo.
9ACW	Edwin Gobrecht	302 St. James St., Waukegan, Ill.	9AGY	Norman Reeve	Chestnut St., Western Springs, Ill.
9ACX	G. N. Schafer	630 Norton Ave., Kansas City, Mo.	9AGZ	G. R. Frost (North Radio Club)	801 N. Dearborn Ave., Chicago, Ill.
9ACY	Paul R. Romez	328 N. Chamecy, Columbia City, Ind.	9AH	William W. Bailey	5157 Berzeley Ave., Chicago, Ill.
9ACZ	R. V. Swearingen	Box 276, Burlington, Iowa	9AHA	Norman Holdsworth	134 S. Hanlin Ave., Chicago, Ill.
9AD	Donald N. Buck	5542 Grace St., Chicago, Ill.	9AHB	Oliver H. Steckmann	1945 Sullivan Ave., St. Louis, Mo.
9ADA	Lester Marhols	4630 Troy St., Chicago, Ill.	9AHC	Harold Demmer	Ellendale, N. Dak.
9ADB	Lloyd M. Miller	Winfield, Iowa	9AHD	Claude Jenner	98-5th St., Mokenca, Ill.
9ADC	Rolla Grandle	Cherokee, Kans.	9AHE	Harry Gruszka	1041 Columbia Ave., Hammond, Ind.
9ADD	William F. Byers	317 S. Albany Ave., Chicago, Ill.	9AHF	James Burnham	636 Roslyn Rd., Kenilworth, Ill.
9ADE	C. E. Gulke	3906 La Fayette St., St. Louis, Mo.	9AHG	Harry Olson	Mt. Pleasant, Iowa
9ADF	W. M. Edmont	1630 Minnesota Ave., Duluth, Minn.	9AHH	Raymond H. Williamson	715 S. Iowa Ave., Eagle Grove, Ia.
9ADG	Kenneth Caird	919 N. Sacramento Blvd., Chicago, Ill.	9AHI	John C. McPhee	603 Mulberry St., Muncie, Ind.
9ADH	C. E. Groves	Princeton, Ind.	9AHJ	Edwin L. Eldredge	3520 Reta St., Chicago, Ill.
9ADI	Clarence E. Boardman	929 8th Ave., Kenosha, Wisc.	9AHK	George A. Clayberg	214 Oak Park Ave., Oak Park, Ill.
9ADJ	E. V. Bergstrom	707 Apple St., Normal, Ill.	9AHL	Parker Radio Club	153 S. Grove Ave., Oak Park, Ill.
9ADK	George W. Grauel	St. Louis St., Lebanon, Ill.	9AHM	James G. Cowling, Jr.	330 Webster Ave., Chicago, Ill.
9ADL	Raymond D. Johnson	617 S. Leebriek St., Burlington, Iowa	9AHN	Irving H. Strassman	1072 Kenwood Blvd., Racine, Wisc.
9ADM	Ralph Barnett	735 Interdrive, St. Louis, Mo.	9AHO	James H. Stroup	Holmes, Iowa
9ADN	Laurence W. Franklin	1123 South St., Lafayette, Ind.	9AHP	Clarence H. Phillabaum	East 6th St., Mendota, Ill.
9ADO	Phillip M. Sifter	11918 Normal Ave., Chicago, Ill.	9AHR	William Worthington	245 Union Blvd., St. Louis, Mo.
9ADP	Wendell P. Webb	1220 Washington St., Waterloo, Iowa	9AHS	Mt. Sterling Radio Association	Main St., Mt. Sterling, Ill.
9ADQ	A. V. Knowles	2221 Highland Park Ave., Fort Dodge, Iowa	9AHT	Paul C. Ellis	424 Broadway, Excelsior Springs, Mo.
9ADR	Raymond G. Blackett	Main St., Cherokee, Kans.	9AHU	Earl J. Selfert	3718 North Ave., Milwaukee, Wisc.
9ADS	Fred R. Dorner	1215 Hartford St., LaFayette, Ind.	9AHV	D. A. Reed	1251 S. 27th St., Lincoln, Neb.
9ADT	Harold E. McCord	4113 N. Kilbourn Ave., Chicago, Ill.	9AIW	Otto G. Schmidt	6528 Binney St., Omaha, Neb.
9ADU	H. A. Anderson	Pelican Rapids, Minn.	9AIX	Albert R. Hedges	6686 Olympia St., Chicago, Ill.
9ADV	John H. Williams	Roanoke, Ill.	9AIY	Walter Gustafson	611 Division St., Lockport, Ill.
9ADW	John Lockett	66 Essex Rd., Winnetka, Ill.	9AIH	George H. Shirling	3849 E. 62d St., Kansas City, Mo.
9ADX	Warner W. Newcomb	847 Humboldt St., Denver, Colo.	9AIA	Thomas F. Colfer	3935 Westminster St., St. Louis, Mo.
9ADY	Charles H. Atchison	6639 Hancock Ave., St. Louis, Mo.	9AIB	Howard H. Smith	2324 Hartzell St., Evanston, Ill.
9ADZ	R. O. Gilbert	5 Spriggs Bldg., Grand Forks, N. D.	9AIC	Charles L. Rawlings	1322 Pleasant St., Indianapolis, Ind.
9AE	Robert N. Jones	204 Langan Hall, Grinnell, Iowa	9AID	J. Donald Vandercook	216 Hazen Road, Elmhurst, Ill.
9AEA	Edwin E. Moore	309 Sherman St., Joliet, Ill.			
9AEB	Charles W. Wirtanen	876 N. Wells St., Chicago, Ill.			

9AIE Robert C. Wood.....Albany, Ill.  
 9AIF Charles T. Norton.....2116 Lincoln Way, Ames, Iowa  
 9AIG Fred'k B. Christopherson.....731 W. 18th St., Sioux Falls, S. D.  
 9AIH Nathaniel C. Smith.....Hoopeston Radio Shop, Hoopeston, Ill.  
 9AIJ Paul G. Farsch.....354 Ninth Ave., S., Fargo, N. Dak.  
 9AIK Lewis B. Lloyd.....47 W. Vine St., Canton, Ill.  
 9AIE Edward F. Spadoni.....5429 73d Court, Summit, Ill.  
 9AIL Rudolph W. Martin.....Rochester St., Mukwanago, Wis.  
 9AIM Lawrence M. Blakey.....515 Jackson St., Auburn, Ill.  
 9AIN William F. Sanders.....Hooper, Nebr.  
 9AIO Harry A. Oleson.....Gypsum, Colo.  
 9AIP Stanley Fisher.....1508 Flett Ave., Racine, Wisc.  
 9AIQ Harry C. Humberston.....143 W. 63d St., Chicago, Ill.  
 9AIR Allen Roethen.....3540 Park Drive, Covington, Ky.  
 9AIS John J. Knezacek.....1259 13th St., S., Omaha, Nebr.  
 9AIT Elmer Baseman.....252 N. Porter St., Elgin, Ill.  
 9AIU Walter H. Hathaway.....517 N. Main St., Crown Point, Ind.  
 9AIV Floyd E. Dillard.....Auburn Nebr.  
 9AV Unassigned  
 9AIX Francis Z. Schmits.....429 N. Central Ave., Austin, Ill.  
 9AY Unassigned  
 9AZ Harry Hall.....1731 Winona St., Chicago, Ill.  
 9AJ Harry A. Mackley.....205 S. Beurland St., Peoria, Ill.  
 9AJA Elden F. Horn.....1321 Newport Ave., Chicago, Ill.  
 9AJB Ora A. Koch.....Kingston, Ill.  
 9AJC Rodney Reid.....Tipton, Iowa  
 9AJD Barney H. Hartley.....West Highlands St., Anthony, Kans.  
 9AJE Charles E. Paulson.....630 N. "B" St., Oskaloosa, Iowa  
 9AJF Arthur Hochleutner.....2509 N. Spaulding Ave., Chicago, Ill.  
 9AJG Clyde H. Rickey.....Winfield, Iowa  
 9AJH John G. Beckley & N. H. Reeve.....304 Chestnut St., Western Sprng., Ill.  
 9AJI Harvey F. Kohnits.....218 W. 7th St., Duluth, Minn.  
 9AJJ Joseph L. Gray.....Lathrop, Mo.  
 9AJK Robert W. Whitely.....420 College Hill Ave., Oskaloosa, Ia.  
 9AJL Albert Wm. Heyman.....408 8th St., S. E., Minneapolis, Minn.  
 9AJM George A. Laney.....715 E. 7th St., Pittsburg, Kans.  
 9AJN C. E. Sheets.....Elgin, Neb.  
 9AJO Frank E. Hutton.....5040 Wernon Ave., St. Louis, Mo.  
 9AJP Albert P. Upton.....2547 Ulyses St., Minneapolis, Minn.  
 9AJQ George B. Ferree.....708 N. Goodwin Ave., Urbana, Ill.  
 9AJR Murray L. Rich.....412 Garrard St., Covington, Ky.  
 9AJS W. S. Niehaus.....1902 West Ave., Burlington, Iowa  
 9AJT Lyle J. Francis.....Adams, Nebr.  
 9AJU Robert Landre.....600 Marinette Ave., Menomonee, Mich.  
 9AJV L. H. Rave.....Nicollet, Minn.  
 9AJW George P. Lee.....1544 Packard Ave., Racine, Wisc.  
 9AJX Paul F. Black.....514 S. Main St., Aberdeen, S. D.  
 9AJY Walter J. Hammond.....616 E. 23d St., Pittsburg, Kans.  
 9AJZ Herbert W. Pracke.....218 LaSalle St., Streator, Ill.  
 9AK Henry Klaus.....Eureka, Ill.  
 9AKA Kenneth Burnes.....5151 Washington Ave., St. Louis, Mo.  
 9AKB John I. Ottmann.....1392 Island Ave., Milwaukee, Wisc.  
 9AKC Earl H. Waits.....R. F. D. 1, Box 73, East Alton, Ill.  
 9AKD Frank Libbe.....744 N. Allen St., South Bend, Ind.  
 9AKE Charles O. Jones.....911 E. Main St., Streator, Ill.  
 9AKF Ferris McKesson.....819 Baker Ave., Menominee, Mich.  
 9AKG George H. Salter.....1310-16th St., Moline, Ill.  
 9AKH Lawrence L. Zebprung.....1027 Home Ave., Ft. Wayne, Ind.  
 9AKI Harold C. Edwards.....909 Kansas St., Independence, Mo.  
 9AKJ Carl King.....1315 Hubbard Ave., Kansas City, Kans.  
 9AKK Sylvester Clayton.....237 S. Park Ave., Sedalia, Mo.  
 9AKL Frank J. Menninger.....421 Garrard St., Covington, Ky.  
 9AKM David Livingston.....3609 Park Hill Ave., Milwaukee, Wisc.  
 9AKN Sydney G. Frazier.....412 E. Ormsby St., Louisville, Ky.  
 9AO Unassigned  
 9AOP Harold C. Mattes.....4439 Monticello Ave., Chicago, Ill.  
 9AQQ Irma D. Linehan.....934 Galt St., Chicago, Ill.  
 9AKR Albert C. Mertz.....Byron, Ill.  
 9AKS Otto H. Scholz.....1005 24th St., Milwaukee, Wisc.  
 9AKT Rolland C. Wagner.....1411 Walnut St., Murphysboro, Ill.  
 9AKU William F. Ridgway.....507 W. Clark St., Freeport, Ill.  
 9AKV A. H. Barnette.....33 Kewanee Apts., Fort Wayne, Ind.  
 9AKW Allen O. Buseth.....Dearfield, Wisc.  
 9AKX Arthur J. Anderson.....610 Eighth St., S.W., Aberdeen, S. D.  
 9AKY Leslie Jenks.....1028 Vine St., LaCrosse, Wisc.  
 9AKZ Montie Van Buren.....151 Main St., Menomonee, Mich.  
 9AL Julius A. Thomsen.....3234 LeMoine St., Chicago, Ill.  
 9ALA Donald E. Cook.....Winfield, Iowa  
 9ALB French H. Willis.....Box 34, Carlisle, Ind.  
 9ALC M. G. McCarrroll.....425 N. 13th St., Cedar Rapids, Iowa  
 9ALD Marlon W. Taylor.....R. R. No. 1, Owensboro, Ky.  
 9ALE Warner and Waldo Russell.....R. R. No. 1, Winfield, Iowa  
 9ALF Unassigned  
 9ALG Howard L. Ford.....1123 Dayton Ave., Wichita, Kans.  
 9ALH James S. Howe.....Kingston, Ill.  
 9ALI Jack Lewis.....215 Galesburg Rd., Knoxville, Ill.  
 9ALJ G. C. Hume, Jr.....151 School St., Chilton, Wis.  
 9ALK Telford H. Smith.....4228 Ohio St., Omaha, Nebr.  
 9ALL Eoyd Phelps.....Manitou Sta., R. 2, Excelsior, Minn.  
 9ALM Scott R. Wilson.....Primgar, Iowa  
 9ALN L. W. Olander.....901 Pearl St., Yankton, S. D.  
 9ALO Frank Gerard.....19 N. Oriental St., Indianapolis, Ind.  
 9ALP Marshall S. Winstandley.....815 Vincennes St., New Albany, Ind.  
 9ALQ Leland B. Firman.....Larimore, N. Dak.  
 9ALR Mark H. Doll.....602 64th Ave., West Allis, Wisc.  
 9ALS George D. Greene.....1827-A N. Garrison A., St. Louis, Mo.  
 9ALT Anton J. Rank.....670 Richmond St., Appleton, Wisc.  
 9ALU Leonard Leatherman.....108 El. 9th St., Hutchinson, Kans.  
 9ALV Russell Swenson.....R. R. No. 4, Syracuse, Ind.  
 9ALW Robert L. Van Osdol.....304 E. Lincoln Way, Morrison, Ill.  
 9ALX Stanley Tollman.....3927 Beachwood Ave., Pine Lawn, Mo.  
 9ALY Arthur R. Pursell.....921 Eighth St., Goshen, Ind.  
 9ALZ Dale Fouts.....409 E. Elm St., Canton, Ill.  
 9AM J. D. Cole, Jr.....1340 Estes Ave., Chicago, Ill.  
 9AMA S. C. Blair.....Marshall, Mo.  
 9AMB Donald L. Hathaway.....1575 Pennsylvania St., Denver, Colo.  
 9AMC James M. Nalbach.....304 E. South St., Moweaqua, Ill.  
 9AMD Richard L. Lybarger.....1926 N. 21st St., Kansas City, Kans.  
 9AME William Reynolds.....Derby, Colo.  
 9AMF Glenn A. Duls.....1002 E. Main St., Streator, Ill.  
 9AMG G. H. Turner.....3701 Belleview St., Kansas City, Mo.  
 9AMH Albert E. Bathlany.....601 Monmouth St., Newport, Ky.  
 9AMI J. Emerson Decker.....119 Second St. S.E., Mason City, Ia.  
 9AMJ Edward A. Ramsey.....108-H College Ave., Assumption, Ill.  
 9AMK Leon A. Faber.....Mendota, Ill.  
 9AML H. A. Smith.....2701 "O" St., Lincoln, Neb.  
 9AMM Boy Scouts of America.....Camp Cheaugue, Palatine, Ill.  
 9AMN Benedict D. Brankey.....Box 96, Lombard, Ill.  
 9AMO Henry G. Pfister.....1412 Sycamore St., Columbus, Ind.  
 9AMP K. R. Caldwell.....925 Grand Blvd., Chicago, Ill.  
 9AMQ Lee Frank Dechant.....1545 Flett St., Racine, Wisc.  
 9AMR Hervey D. Matteson.....334 West South St., DeKalb, Ill.  
 9AMS John R. Dye.....504 59th St., E. St. Louis, Ill.  
 9AMT John T. Pegg.....Fountain City, Ind.  
 9AMU Chauncey Hoover.....210 E. State St., Marshalltown, Iowa  
 9AMV Jerome M. Hartman.....Signal Hill Pl., Edge'd Sta., E. St. Louis, Ill.  
 9AMW Howard Hill Smith.....603 E. Springfield Ave., Champaign, Ill.  
 9AMX Ellis Erickson.....1011 University Ave., Grand Forks, N.D.

9AMY Stuart Gates.....445 N. 28th St., Louisville, Ky.  
 9AMZ Edward W. Kimbark.....926 Michigan Ave., Evanston, Ill.  
 9AN Central High School.....Lex'ton and Marshall Sts., St. Paul, Minn.  
 9ANA Louis A. Wollaefer.....2728 State St., Milwaukee, Wisc.  
 9ANB Unassigned  
 9ANC Howard Wareberg.....1730 Hancock St., Chicago, Ill.  
 9ANE Paul W. Shoemaker.....416 Washington St., Bluffton, Ind.  
 9ANF James E. Marshall.....5520 Walton St., Chicago, Ill.  
 9ANG H. C. Harvey.....135 N. 13th St., Lincoln, Neb.  
 9ANH John H. Geyer.....823 Center St., Racine, Wisc.  
 9ANI Edward J. Lehman, Jr.....609 N. Clinton St., Bloomington, Ill.  
 9ANJ Lyle L. Fisher.....309 Centennial St., Muncie, Ind.  
 9ANK Archibald S. Scofield.....Spring Grove, Minn.  
 9ANL Leo Randolph Adams.....P. O. Box 162, North Liberty, Ind.  
 9ANM Richard C. Matthews.....715 Buchanan St., Topeka, Kans.  
 9ANP Westall P. Shaffer.....19 1/3 W. Second St., Davenport, Iowa  
 9ANQ Eugene A. Willingham.....311 E. Maple Ave., Beaver Dam, Wisc.  
 9ANR John D. Cox.....1027 Messanle St., St. Joseph, Mo.  
 9ANS Myron E. Miller.....766 E. Fifth St., St. Paul, Minn.  
 9ANT Lonnie Vio Wells.....3207 Richardson Ave., Kansas Cy, Kans.  
 9ANU Franklin W. Pierce.....2415 18th Ave., Rock Island, Ill.  
 9ANV Theodore Bulloch.....R.F.D. No. 6, Lexington, Ky.  
 9ANW R. Maurel Kostar.....2522 Elliott St., Louisville, Ky.  
 9ANX John H. Martin.....Chandlerille, Ill.  
 9ANY A. E. Braly.......... Wesley, Iowa  
 9ANZ James F. Walnwright.....312 Florence St., Blue Island, Ill.  
 9AO Roy H. Collins.....701 E. Miller St., Bloomington, Ill.  
 9AOA Daniel W. Snyder.....798 Western St., Blue Island, Ill.  
 9AOB Lloyd A. Brown.....2943 N. Broadway, Indianapolis, Ind.  
 9AOC Fred Schosnwolf.....1917 Warner Ave., Chicago, Ill.  
 9AOD Lynn W. Wixson.....Alexis, Ill.  
 9AOE Clarence F. Kramer.....414 E. Pearl St., Lebanon, Ind.  
 9AOF Richard H. Atherton.....1206 Perry St., Davenport, Iowa  
 9AOG Delo Sellg.....1833 N. Hampshire St., Lawrence, Kans.  
 9AOH Daniel Walter Gellerup.....688 Cramer St., Milwaukee, Wisc.  
 9AOI Arnold C. Harrington.....Prospect St., Maquoketa, Iowa.  
 9AOJ Clifford E. Himoe.....739 Ohio St., Lawrence, Kans.  
 9AOK Willard G. Cooper.....604 Tama St., Boone, Iowa  
 9AOL George K. Jacobsen.....3208 Holmes Ave., Minneapolis, Minn.  
 9AOM Charles N. & John K. Nebal.....1320 Anthony St., Columbia, Mo.  
 9AON George A. Marks.....3101 Corby St., Omaha, Nebr.  
 9AO Unassigned  
 9AOP W. J. and R. N. Skrinks.....4235 Lindell Blvd., St. Louis, Mo.  
 9AOQ Robert L. Cos.....607 Linden Ave., Clayton, Mo.  
 9AOR J. H. Krallmann.....1480 Rowan Ave., St. Louis, Mo.  
 9AOS Leslie Anderson.....831 Buena Ave., Chicago, Ill.  
 9AOT Lowry Kohler.....R.F.D. No. 2, Kansas City, Mo.  
 9AOU James H. Haueter.....Pequot, Minn.  
 9AOW W. M. Foss.....5736 Maryland Ave., Chicago, Ill.  
 9AOX Abe Ginsburg.....2925 Pine Grove Ave., Chicago, Ill.  
 9AOY Jack R. Whitney.....18 E. Comm'l Ave., Eagle Grove, Iowa  
 9AP Frank R. Churchill.....First West St., Alaria, Ill.  
 9APC Clarence L. Gunderson.....1006 St. John St., Albert Lea, Minn.  
 9APD Frank Rudich.....1500 S. Ridgway St., Chicago, Ill.  
 9APE Jack A. Callanan.....941 Lakeside Pl., Chicago, Ill.  
 9APF Benjamin F. Haacker Post No. 466, A. American Legion, Eureka, Ill.  
 9APG Edwin G. Cunningham.....304 W. Washington St., Champaign, Ill.  
 9APA Unassigned  
 9APB Robert J. Finnell.....621 E. Water St., Pontiac, Ill.  
 9APC Arthur Poole.....2829 Sheridan Place, Evanston, Ill.  
 9APD H. J. Walters.....152 N. Elm St., Nappanee, Ind.  
 9APE John G. Lotter.....1123 E. Germanium St., St. Paul, Minn.  
 9APF William Wells.....2530 Williams St., Denver, Colo.  
 9APG Unassigned  
 9APH Burton W. Dupue.....7460 Sheridan Rd., Chicago, Ill.  
 9API Raymond Gomersall.....2626-4th Ave. S., Minneapolis, Minn.  
 9APJ Albert Anderson.....646 Marquette Rd., Chicago, Ill.  
 9APK Harry B. Smith.....114 Ridge Ave., Evanston, Ill.  
 9APL M. F. Brown.....1107 W. Sycamore St., Independence, Kans.  
 9APM Malcolm A. Smith.....138 S. 11th St., Richmond Ind.  
 9APN Jacob C. Thomas.....Box 685, David City, Nebr.  
 9AO Unassigned  
 9APP Leo Kiler.....3609 W. 28th St., Chicago, Ill.  
 9APQ E. H. Leland.....333 Wisconsin St., Oak Park, Ill.  
 9APR Horace E. Crawford.....Olde, Iowa  
 9APS Aloys Debenbraek.....1023 Russell Ave., Covington, Ky.  
 9APT F. G. Ault.....525 Murray St., Hammond, Ind.  
 9APU Edward Carlstedt.....2307 11th Ave. A., Moline, Ill.  
 9APV W. H. Roop.....2420 Ash St., Chicago Heights, Ill.  
 9APW Maurice G. Goldberg.....711 Dayton Ave., St. Paul, Minn.  
 9APX Frank L. Taylor.....824 South St., Sault Ste. Marie, Mich.  
 9APY K. J. Audley.....1417 Auburn St., Rockford, Ill.  
 9APZ Everett Vogel.....6 Beech Ave., South Gate, Ky.  
 9AQ Merwyn Street.....6640 Farnell Ave., Chicago, Ill.  
 9QA Frank C. Weeks.....701 Randolph St., Champaign, Ill.  
 9QB W. A. Lippman, Jr.....6 Thornby Pl., St. Louis, Mo.  
 9QC Kenneth P. Stiles.....1121 S. 27th St., Omaha, Nebr.  
 9QD W. V. Woodruff.....419 N. 3d St., Rockford, Ill.  
 9QE Frank F. Adams.....115 S. Summit St., El Dorado, Kans.  
 9QF Paul W. Sherman.....437 South St., Woodstock, Ill.  
 9QG Henry A. Tindall.....215 E. Seymour St., Muncie, Ind.  
 9QH Dr. Fred C. Soper.....Dilworth, Minn.  
 9QI Lawrence Shender.....17 S. Trumbull St., Chicago, Ill.  
 9QJ Daniel R. Warner.....432 S. 15th St., Terre Haute, Ind.  
 9QK H. E. Gould.....5022 Underwood Ave., Omaha, Neb.  
 9QL Lester A. Wolf.....920 Elveth St., South Bend, Ind.  
 9QM Wilford G. Cooley.....19th and "E" Sts., Granite City, Ill.  
 9QN Irving A. Pratt.....3308 Elliott St., Mimesapolis, Minn.  
 9QO Walter W. Weldling.....1069 17th St., Milwaukee, Wisc.  
 9QP W. A. Kuehl.....3501 Wilson Ave., Chicago, Ill.  
 9QQ Thomas Electric Co.....813 Locust St., Des Moines, Iowa.  
 9QR Henry B. Goldenberg.....3115 Olive St., Kansas City, Mo.  
 9QS G. E. Gustafson.....1504-40th St., Rock Island, Ill.  
 9QT Harold Lange.....544 State St., Racine, Wisc.  
 9QU D. V. Gearhart.....Box 216, Hopkinton, Iowa  
 9QV Donald Boulton.....2544 Pleasant Ave., Minneapolis, Minn.  
 9QW J. R. Wood, Jr.....1724 High St., Denver, Colo.  
 9QX W. H. Mundt.....1928 Belmont Ave., Chicago, Ill.  
 9QY Colorado Springs High School.....509 N. Wahsatch St., Colorado Spgs., Colo.  
 9QZ Carl J. Unger.....5240 Maple Ave., St. Louis, Mo.  
 9AR Johnson & Scholtes.....4216 Paulina Ave., Chicago, Ill.  
 9ARA Theodore L. Van Law.....10 10th St., Marshalltown, Iowa  
 9ARB Leo Hochquertel.....228 N. Wisconsin St., Racine, Wisc.  
 9ARC A. H. Schaefer.....Franklin St., Slinger, Wis.  
 9ARD John F. Avritch.....906 Fourth Ave., Grand Forks, N. D.  
 9ARE J. C. Kosticky.....1602 Sumner St., Lincoln, Neb.  
 9ARF Unassigned  
 9ARG Clifford E. Fay.....5090 Cabanne Ave., St. Louis, Mo.  
 9ARH Walter G. Perry.....130 E. Milwaukee Ave., Wauwatosa, Wisc.  
 9ARI James D. Johnson.....789 Bayard St., St. Louis, Mo.  
 9ARJ Clarence D. Carter.....228 N. Third St., Arkansas City, Kans.  
 9ARK Myron J. McKee.....3804 Central Ave., Indianapolis, Ind.  
 9ARL William H. Althoff.....019 N. Jefferson Ave., St. Louis, Mo.  
 9ARM Robert J. West.....Easters Ave., Manhattan, Ill.  
 9ARN A. L. West.....1246 Winnetka St., Chicago, Ill.  
 9ARO Robert J. Ritzels, Jr.....108 Marquette St., Racine, Wisc.  
 9AR Unassigned  
 9ARQ Arthur B. Newell.....421 N. Kirkwood Rd., Kiriwood, Mo.

9ARR Urah C. Morris.....128 S. Prince St., Princeton, Ind.  
 9ARS Charles L. Barker.....519 S. Third St., Washington, Iowa  
 9ART R. S. Crowder.....4610 N. Racine St., Chicago, Ill.  
 9ARU Darrell A. Downard.....532 26th St., Louisville, Ky.  
 9ARV William G. Colson, Jr.....(Road to Fair Grounds) Middlesboro, Ky.  
 9ARW T. S. Howell.....215 N. 11th St., Salina, Kans.  
 9ARX Myron J. McKee.....3804 Central Ave., Indianapolis, Ind.  
 9ARY Harold L. Eckertmacht.....822 W. Maple Ave., Independence, Mo.  
 9ARZ Donald E. Waits.....602 N. Fourth St., Clear Lake, Iowa  
 9AS Fred L. Damarin.....3219 W. 5th Ave., Chicago, Ill.  
 9ASA Carlton Marsh.....786 Vernon St., Glencoe, Ill.  
 9ASE Louie R. Hull.....3107 Broadway, Fort Wayne, Ind.  
 9ASC Ottumwa Jr. School.....W. Fourth St., Ottumwa, Iowa  
 9ASD Harry Spoor, Jr.....407 W. Washington St., Urbana, Ill.  
 9ASE Eugene V. Keshelmer.....311 Madison Place, Lexington, Ky.  
 9ASF D. C. McDonald.....302 North St., Waseca, Minn.  
 9ASG Theodore A. Giles.....214 S. Davis St., Ottumwa, Iowa  
 9ASH Reenstjerna and Haynes.....1007 N. Prairie St., Bloomington, Ill.  
 9ASI H. A. Scott.....509 N. Georgia Ave., Mason City, Iowa  
 9ASJ John E. Hall.....6th and John Sts., Seymour, Ind.  
 9ASK Paul L. Trump.....1764 Lincoln Ave., St. Paul, Minn.  
 9ASL Reginald Lewis.....506 W. Washington St., Winterset, Iowa  
 9ASM Orville L. Frasier.....Davis City, Iowa  
 9ASN Ira Fay Gardner.....1758 Goodrich Ave., St. Paul, Minn.  
 9ASO Jack Mattem.....2408 32d St., Omaha, Nebr.  
 9ASP Unassigned  
 9ASQ Manchester High School.....New St., Manchester, Iowa  
 9ASR Charles Manley.....4458 Lake Park Ave., Chicago, Ill.  
 9AST L. W. Gulin.....219 Belger St., Mishawaka, Ind.  
 9ASU William W. Watts.....7418 Sheridan Rd., Chicago, Ill.  
 9ASV Harold Franklin.....3438 S. Park Ave., Chicago, Ill.  
 9ASW Irvin Schmidt.....62 18th St., Milwaukee, Wisc.  
 9ASX Stanton F. Baird.....84 A. von St., St. Paul, Minn.  
 9ASY James F. Murphy.....224 N. Taylor St., El Dorado, Kans.  
 9ASZ Kuester & Fensky.....408 Ahnapp St., Menasha, Wis.  
 9AT John Q. Adams.....5410 Fulton St., Chicago, Ill.  
 9ATA James E. Conklin.....210 E. Sixth St., Hutchinson, Kans.  
 9ATB John L. Atkinson.....Pawnee City, Nebr.  
 9ATC Louis William Chansky.....2141 S. 35th Ave., Omaha, Nebr.  
 9ATD Norman R. Bowen.....3733 High St., Denver, Colo.  
 9ATE Alfred H. Khest.....1323 Hilda Place, Milwaukee, Wisc.  
 9ATF Allen J. Kelb.....806 Leland Ave., South Bend, Ind.  
 9ATG Maynard R. Briggs.....1896 Feronia St., St. Paul, Minn.  
 9ATH F. J. Otis, Jr.....1894-14th Ave., Moline, Ill.  
 9ATI Francis F. Fardig.....7310 Kenwood Ave., Chicago, Ill.  
 9ATJ Norman A. Miller.....2829 Sheridan Place, Evanston, Ill.  
 9ATK Ernest J. Ball.....3138 Montrose Ave., Chicago, Ill.  
 9ATL Elmo W. Phillips.....301 N. 14th St., Clarinda, Iowa  
 9ATM Forrest R. Braden.....1924 "J" St., Lincoln, Nebr.  
 9ATN Anson D. Marston.....College Campus, Ames, Iowa  
 9ATO Edwin A. Cary.....1290 Kinnickinnic Av., Milwaukee, Wis.  
 9ATP G. C. Wanek.....920-16th St., Aurora, Neb.  
 9ATQ G. F. Messler.....201 S. Channing St., Elgin, Ill.  
 9ATR Hal P. Rea.....R. F. D. No. 4, Carrollton, Mo.  
 9ATS Leslie H. Carlson.....R. F. D. No. 4, Carrollton, Mo.  
 9ATT Stanley E. Fey.....402 Armory St., Champaign, Ill.  
 9ATU Arthur F. Hartfelder.....231 N. Mill St., Kansas City, Kans.  
 9ATV Lawrence Houska.....806 E. Lawson St., St. Paul, Minn.  
 9ATW Carl W. Loeber.....297 26th St., Milwaukee, Wisc.  
 9ATX Robert E. Lathrop.....Radio Amateur Club, Waukesha, Wisc.  
 9ATY Wendall Bishop.....1334-23d St., Des Moines, Iowa  
 9ATZ Edward B. Noel.....4874 Fountaine Ave., St. Louis, Mo.  
 9AU Charles H. Zeller.....5611 Warwick Ave., Chicago, Ill.  
 9AUA Winfred C. Hilgedick.....2191 Knapp St., St. Paul, Minn.  
 9AUB Charles Lampel.....135 Ray St., Indianapolis, Ind.  
 9AUC Walter Lee Major.....First St., Albany, Ind.  
 9AUD George A. Schriener.....Halstead, Kans.  
 9AUE Theodor Lowenthal.....104 S. Hamlin Ave., Chicago, Ill.  
 9AUF Walter Wegand.....717 N. Hamlin Ave., Chicago, Ill.  
 9AUG W. B. Maccubin.....5612 Maple Ave., St. Louis, Mo.  
 9AUH Dale Tetrick.....1326 Peoria St., Dixon, Ill.  
 9AUI Arthur W. Peters.....219 Rockford St. N., Rockford, Ill.  
 9AUJ Fred W. Hermann.....920 N. Fifth Ave., Minneapolis, Minn.  
 9AUK Charles Birget.....1367 Summit St., Springfield, Mo.  
 9AUL Lynce C. Smeby.....1504 W. Broadway, Minneapolis, Minn.  
 9AUM Frank Q. Peters, Jr.....2232 Seminary Ave., Chicago, Ill.  
 9AUN Clifford C. Savage.....2511 Penn Ave., Minneapolis, Minn.  
 9AUO F. M. Quinn.....2244 Winona St., Chicago, Ill.  
 9AUP Herbert P. Dalton.....Kirkland, Ill.  
 9AUS A. S. Braaten.....Concordia College, Moorhead, Minn.  
 9AUR John H. Boos, Jr.....922 N. Kingshighway, St. Louis, Mo.  
 9AUS Russell Martin.....307 Cherry St., Mt. Carmel, Ill.  
 9AUT Willard H. Farr.....6024 Dakin St., Chicago, Ill.  
 9AAU Harry Long.....Aneta, N. Dak.  
 9AAV George C. Schmid.....319 E. Wisconsin Ave., Neenah, Wisc.  
 9AAW T. C. Goodner.....409 S. 3d St., Rocky Ford, Colo.  
 9AUX Herman Hediger.....778 University St., St. Paul, Minn.  
 9AUY Seward Duplissis.....642 E. 64th St., Chicago, Ill.  
 9AUZ Furman P. Ralston.....West St., Cor. North, Lacona, Iowa  
 9AV Edwin Werlein.....4080 Lincoln Ave., Chicago, Ill.  
 9AVA G. M. Morgan.....845 S. Scoville St., Oak Park, Ill.  
 9AVB Wauwatosa Radio Club.....Wauwatosa Ave., Wauwatosa, Wisc.  
 9AVC Robert M. Stephens.....S.E. cor. 4th and Lincoln, Hastings, Neb.  
 9AVD Ray Finney.....2408 S. 18th St., St. Louis, Mo.  
 9AVE D. A. Lacombe.....Ortonville, Minn.  
 9AVF R. A. Bagnell.....12 Westmoreland Pl., St. Louis, Mo.  
 9AVG L. W. Thrawill.....403 Poplar St., Eureka, Kans.  
 9AVH Warren G. Simpson.....7 Ninth St., Fulton, Mo.  
 9AVI Nelson M. Connet.....604 N. Catalpa St., Pittsburg, Kans.  
 9AVJ Melvin E. Endersty.....Hillsboro, Iowa  
 9AVK Kenneth Krahi.....1401 W. Short St., Independence, Mo.  
 9AVL Mario Teschion.....1145 Selby St., St. Paul, Minn.  
 9AVM C. E. Butler.....3355 Herndon Ave., Chicago, Ill.  
 9AVN Millard E. Kelley.....3800 W. Wash St., Kansas City, Mo.  
 9AVO Walter F. Lanterman.....746 S. Sherman St., Kokomo, Ind.  
 9AVP Willard McCulla.....438 Sheridan Rd., Waukegan, Ill.  
 9AVQ F. A. Heckendorf.....2038 Gaylor St., Denver, Colo.  
 9AVR Floyd E. Phillips.....400 Chicago Ave., Hot Springs, S. D.  
 9AVS Arnold S. Grossman.....3998 Wolf St., Denver, Colo.  
 9AVT Russell L. Eggleston.....308 S. Lot St., Gibson City, Ill.  
 9AVU G. Edward Allebach.....71 S. Lincoln St., Denver, Colo.  
 9AVV H. E. Roys.....5434 Marshfield Ave., Chicago, Ill.  
 9AVW Lawrence Gross.....1097 McLeone Ave., St. Paul, Minn.  
 9AVX Elmer M. Koczek.....6437 S. Artesian Ave., Chicago, Ill.  
 9AVY C. P. Wagner.....800 E. Capitol Ave., Pierre, S. Dak.  
 9AVZ Orville Wheelon.....919 S. Bishop St., Chicago, Ill.  
 9AW Paul S. Pfeiffer.....607 N. Walnut St., Pittsburg, Kans.  
 9AWA E. Victor Baxter.....215 N. Leonard St., Liberty, Mo.  
 9AWB Theodore W. Schwamb.....423 Broadway, Kingman, Kans.  
 9AWC H. V. McCollum.....700 Oak St., Steamboat Springs, Colo.  
 9AWD Frederick J. Metcalf, Jr.....1801 "D" St., Granite City, Ill.  
 9AWE F. T. Mitchell.....83 Hooper St., Clifton, Ky.  
 9AWF Charles R. Heath.....404 S. Sherman Drive, Indianapolis, Ind.  
 9AWG H. F. Eader.....5021 S. Carpenter St., Chicago, Ill.  
 9AWH B. L. Smith.....1509 Washington St., Cedar Falls, Iowa  
 9AWI Russell Sindt.....1225 Hood Ave., Chicago, Ill.  
 9AWJ C. E. Meyerpeter.....R.F.D. Box 75, Elgin, Ill.  
 9AWK C. E. Erbstein.....2111 Franklin St., Denver, Colo.  
 9AWL Ray C. Schryer.....

9AWM Loyde V. Berkner.....117 E. Summit St., Sleepy Eye, Minn.  
 9AWN Lewis E. Dunham.....1625 100th St., Chicago, Ill.  
 9AWO Central High Radio Club.....34th St. & S. 4th Ave., Minneapolis, Minn.  
 9AWP Joseph W. Young.....2315 College Ave., Indianapolis, Ind.  
 9AWQ G. L. Eldred.....714-6th St., Carrollton, Ill.  
 9AWR D. W. Livingston.....3609 Park Hill Ave., Milwaukee, Wisc.  
 9AWS George E. Zembal.....400 Buchanan St., Minneapolis, Minn.  
 9AWT Joseph Banks.....3255 Walter St., Maplewood, Mo.  
 9AWU Winburn R. Pierce.....10 8th St., Anderson, Ind.  
 9AWV Joseph H. Plasket.....1235 Organ St., Ft. Wayne, Ind.  
 9AWW Paul R. Thompson.....1320 W. Short St., Independence, Mo.  
 9AWX Allan F. Baird.....1946 Walling Court, Davenport, Iowa  
 9AWY Leon L. Kuempel.....3204 Park Ave., Minneapolis, Minn.  
 9AWZ Elmer Ballantyne.....Center and Fourth St., Hobart, Ind.  
 9AX Clarence W. Leininger.....2119 N. Tripp Ave., Chicago, Ill.  
 9AXA William G. Davis.....1025 S. 25th St., Ft. Dodge, Iowa  
 9AXB John W. Terry.....169 Grant St., Littleton, Colo.  
 9AXC Homer S. Harlan.....1600 S. Fourth Ave., Slouf Falls, S. D.  
 9AXD L. E. Seever, Jr.....126 N. 4th St., Clinton, Iowa  
 9AXE John K. Haddaway.....322 Clark Ave., Webster Groves, Mo.  
 9AXF Morris MacCabee.....4445 Broadway, Chicago, Ill.  
 9AXG T. O. McPherson.....2932 Dean Ave., Des Moines, Iowa  
 9AXH Frank J. Kormayer.....8601 Hermitage Ave., Chicago, Ill.  
 9AXI Edward A. Goodnow.....4467 Lake Park Ave., Chicago, Ill.  
 9AXJ D. H. Freeman.....2327 Osgood St., Chicago, Ill.  
 9AXK Otto Hartwig.....4430 Princeton St., Chicago, Ill.  
 9AXL Lyons Township High School.....LaGrange, Ill.  
 9AXM H. M. Parkhurst.....1304 Des Moines St., Webster City, Iowa  
 9AXN O. G. Peterson.....R.F.D. No. 1, Box 148, Lincoln, Neb.  
 9AXO Charles W. McCall, Jr.....514 N. Genesee St., Morrison, Ill.  
 9AXP Darl F. Wood.....S. State St., Jerseyville, Ill.  
 9AXQ Joseph J. Flaherty.....792 Capitol Heights, St. Paul, Minn.  
 9AXR Gaston Music & Furniture Co.....2d & Denver Sts., Hastings, Neb.  
 9AXS O. C. Miller.....R.F.D. No. L, Marshall, Minn.  
 9AXT Lloyd L. Beranek.....6742 Lakewood Ave., Chicago, Ill.  
 9AXU Erwin E. Ahrens.....1509 Crawford St., Boone, Iowa  
 9AXV Roy W. Russell.....319 N. Custer St., Colo. Springs, Colo.  
 9AXW Roy E. Bolin.....5519 Bartmer Ave., St. Louis, Mo.  
 9AXX Russell Callender.....1669 Princeton Ave., St. Paul, Minn.  
 9AXY John R. Egger.....North Liberty, Ind.  
 9AXZ Donovan Ogilve.....1548 30th St., Rock Island, Ill.  
 9AY Richard C. Buchols.....6206 University Ave., Chicago, Ill.  
 9AYA Eugene W. Ruppenthal.....774 3/4 35th St., Milwaukee, Wisc.  
 9AYB Cloyd E. Rhea.....683 E. Berrien St., Galesburg, Ill.  
 9AYC Guy Carlton.....628 N. Main St., Bloomington, Ill.  
 9AYD E. K. Warren.....No. 7 Murdock Flats, West Lafayette, Ind.  
 9AYE R. W. Fullerton.....Beaver Dam, Wisc.  
 9AYF Floyd E. Gray.....R. R. No. 1, Fulton, Ind.  
 9AYG Modern Electric Lab.....126 Main St., Orley, S. D.  
 9AYH Ray W. Hitchcock.....41 N. Arlington Ave., Indianapolis, Ind.  
 9AYI Cedi C. Barrette.....810 Second Ave. S.W., Watertown, S.D.  
 9AYJ R. T. Rumlion.....1600 E. 8th St., Winfield, Kans.  
 9AYK C. Stuart Johnson.....Oakland, Nebr.  
 9AYL William H. DeBaum.....3872 62nd St., Kansas City, Mo.  
 9AYM Arthur Long.....1187 S. Gunderson St., Oak Park, Ill.  
 9AYN Edward T. Markowski.....1436 N. Ashland Ave., Chicago, Ill.  
 9AYO Joiet Township High School.....Jefferson St., Joliet, Ill.  
 9AYP R. B. Reed.....312 Pine St., Eureka, Kans.  
 9AYQ Curtis M. Cederstrom.....805 7th St. E., Minneapolis, Minn.  
 9AYR Leonard S. Wall.....5863 Kenmore Ave., Chicago, Ill.  
 9AYS Paul C. Rohwer.....2041 "K" St., Lincoln, Neb.  
 9AYT Charles C. Shutt.....412 Summit St., Marshalltown, Iowa  
 9AYU Aubrey H. Williams.....1630 Adams St., Denver, Colo.  
 9AYV R. H. Owen.....1400 Broadway, Boulder, Colo.  
 9AYW Edgar W. Freeman.....Elk Point, S. Dak.  
 9AYX Everett McFee.....2405 Portland Ave., Louisville, Ky.  
 9AYY McKinley High School.....Missouri & Russell Sts., St. Louis, Mo.  
 9AYZ Merion C. Harris.....Box 284, Willisca, Iowa  
 9AZ Harry J. Card.....2201 N. Tripp Ave., Chicago, Ill.  
 9AZA Kenneth C. Maas.....323 Jefferson St., Whitewater, Wisc.  
 9AZB W. A. Stone.....336 Broadway, Augusta, Kans.  
 9AZC Ira Williams, Jr.....Box 68, Matland, Mo.  
 9AZD Lee N. Hamm.....Niederhans & State, Granite City, Ill.  
 9AZE Joseph D. Coates.....212 Sixth St., Muncie, Ind.  
 9AZF James C. Lewis.....849 E. Elm St., Canton, Ill.  
 9AZG James N. Guthrie.....R-1, Spg. Rd. For Pt. N., Milwaukee, Wis.  
 9AZH Sidney P. Stocking.....610 State St., Kolla, Mo.  
 9AZI James A. Galbraith.....2303 N. Dupont St., Minneapolis, Minn.  
 9AZJ Delmer Sandberg.....6523 Lincoln St., Chicago, Ill.  
 9AZK Harold J. Vaughan.....2122 Lincoln Ave., Chicago, Ill.  
 9AZL Elbert H. Sykes.....300 W. Oak St., Carbondale, Ill.  
 9AZM Paul M. Jacobs.....571 Wauwatosa Ave., Wauwatosa, Wisc.  
 9AZN Albert D. Sanial.....608 S. Fourth St., LaCrosse, Wisc.  
 9AZO William C. Rosenberger.....679 N. Michigan Ave., Chicago, Ill.  
 9AZP James S. Moore.....4208 N. Clark St., Chicago, Ill.  
 9AZQ Harold Matson.....3589 Dickens Ave., Chicago, Ill.  
 9AZR Frank C. Armagost.....327 W. 4th St., Florence, Kans.  
 9AZS Barnard & Wyatt.....2252 Giddings St., Chicago, Ill.  
 9AZT James W. Foraker.....84 Clay St., Mt. Sterling, Ky.  
 9AZU Langdon Stout.....1027 Maiden Lane, Galesburg, Ill.  
 9AZV William E. Schendel.....300 School St., Normal, Ill.  
 9AZW H. C. Tudor.....5113 Wells Ave., St. Louis, Mo.  
 9AZX Alvin C. Spencer.....3620 S. Washington St., Marion, Ind.  
 9AZY Paul J. Mieska.....405 E. Green St., Champaign, Ill.  
 9AZZ John C. Walter.....3436 Hamilton St., Chicago, Ill.  
 9BA Clifford Schoenhardt.....Carroll Hall, Notre Dame, Ind.  
 9BAA Unassigned.....2251 "B" St., Granite City, Ill.  
 9BAC Alfred L. Stephenson.....738 68th Ave., West Ellis, Wisc.  
 9BAD Robert and Donald Cassels.....Ellendale, N. D.  
 9BAE Damon C. Borders.....1326 Olive St., Indianapolis, Ind.  
 9BAF C. Gilford Peterson.....401 S. Ninth St., Brainerd, Minn.  
 9BAG Frank E. Smolek.....4452 S. Troy St., Chicago, Ill.  
 9BAH Harold H. Hallstone.....444 Orient Ave., Carlinville, Ill.  
 9BAI Bernhardt Brabender.....414 S. Fifth St., Evansville, Ind.  
 9BAJ Elmer E. Herring.....509 N. Second St., Marshalltown, Iowa  
 9BAC Rowley & Arnold.....800 Grand Ave., Menominee, Mich.  
 9BAL Roy W. Pratt.....611 Pleasant St., Rockwell City, Iowa  
 9BAM F. A. Burrows.....2224 Giddings St., Chicago, Ill.  
 9BAN James B. McPherson.....524 S. 7th St., Brainerd, Minn.  
 9BAO Lewis W. Steck, Jr.....2000 Benton St., St. Louis, Mo.  
 9BAP Unassigned  
 9BAQ Clark Chandler.....304 First Ave., W., Cedar Rapids, Ia.  
 9BAR Unassigned  
 9BAS Carl H. Kaempfer.....322 Fourth Ave., West Bend, Wisc.  
 9BAT Warren G. Congram.....R.F.D. No. 3, Box 7, Francesville, Ind.  
 9BAU James L. Fetters.....516 N. Second St., Marshalltown, Iowa  
 9BAV Everett W. McQuillin.....701 S. 7th St., Brainerd, Minn.  
 9BAW Roscoe E. Pugh.....Allerton, Ill.  
 9BAX Burton F. Miller.....226 N. Orchard St., Madison, Wis.  
 9BAY William R. Perry.....737 California St., Columbus, Ind.  
 9BAZ John B. Watham.....R. 1, Box 97, M. B. V., Louisville, Ky.  
 9BB Harold J. Buckley.....716 N. Campbell Ave., Chicago, Ill.  
 9BBA Howard Roy Stacks, Jr.....928-61st St., Chicago, Ill.  
 9BBB Unassigned  
 9BBC Unassigned  
 9BBD Unassigned  
 9BBE Ernest T. Sperling.....21 S. Jefferson St., New Ulm, Minn.



9AIE Robert C. Wood.....Albany, Ill.  
9AIF Charles T. Norton.....2116 Lincoln Way, Ames, Iowa  
9AIG Fred'k B. Christopherson.....731 W. 18th St., Sioux Falls, S. D.  
9AIH Nathaniel C. Smith.....Hoopeston Radio Shop, Hoopeston, Ill.  
9AIJ Paul G. Farshet.....354 Ninth Ave., S., Fargo, N. Dak.  
9AIK Lewis B. Lloyd.....47 W. Vine St., Canton, Ill.  
9AIL Edward F. Spadoni.....5429 73d Court, Summit, Ill.  
9AIM Rudolph W. Martin.....Rochester St., Mukwanago, Wis.  
9AIN Lawrence M. Blakey.....515 Jackson St., Auburn, Ill.  
9AIO William F. Sanders.....Hooper, Nebr.  
9AIP Harry A. Oleson.....Gypsum, Colo.  
9AIP Stanley Fisher.....1508 Flett Ave., Racine, Wis.  
9AIQ Harry C. Humberston.....143 W. 63d St., Chicago, Ill.  
9AIR Allen Roethen.....3540 Park Drive, Covington, Ky.  
9AIS John J. Knezacek.....1259 13th St., S., Omaha, Nebr.  
9AIT Elmer Bassman.....252 N. Porter St., Elgin, Ill.  
9AIU Walter H. Hathaway.....517 N. Main St., Crown Point, Ind.  
9AIV Floyd E. Dillard.....Auburn Nebr.  
9AIV Unassigned  
9AIX Francis Z. Schmits.....429 N. Central Ave., Austin, Ill.  
9AIX Unassigned  
9AJZ Harry Hall.....1731 Winona St., Chicago, Ill.  
9AJA Harry A. Mackley.....205 S. Beurland St., Peoria, Ill.  
9AJA Elden F. Horn.....1321 Newport Ave., Chicago, Ill.  
9AJB Ora A. Koch.....Kingston, Ill.  
9AJC Rodney Reld.....Tipton, Iowa  
9AJD Barney H. Hartley.....West Highlands St., Anthony, Kans.  
9AJE Charles E. Paulson.....830 N. "B" St., Oskaloosa, Iowa  
9AJF Arthur Hochleutner.....2509 N. Spaulding Ave., Chicago, Ill.  
9AJG Clyde H. Rickey.....Winfield, Iowa  
9AJH John G. Beckley & N. H. Reeve.....304 Chestnut St., Western Sprng., Ill.  
9AJI Harvey F. Kohnits.....218 W. 7th St., Duluth, Minn.  
9AJJ Joseph L. Gray.....Lathrop, Mo.  
9AJK Robert W. Whitley.....420 College Hill Ave., Oskaloosa, Ia.  
9AJL Albert Wm. Heyman.....408 8th St., S. E., Minneapolis, Minn.  
9AJM George A. Laney.....715 E. 7th St., Pittsburg, Kans.  
9AJN C. E. Sheets.....Elgin, Neb.  
9AJO Frank E. Hutton.....5040 Wernon Ave., St. Louis, Mo.  
9AJP Albert P. Upton.....2547 Ulyses St., Minneapolis, Minn.  
9AJQ George B. Ferree.....708 N. Goodwin Ave., Urbana, Ill.  
9AJR Murray L. Rich.....412 Garrard St., Covington, Ky.  
9AJS W. S. Niehaus.....1902 West Ave., Burlington, Iowa  
9AJT Lyle J. Francis.....Adams, Nebr.  
9AJU Robert Landre.....600 Marinette Ave., Menominee, Mich.  
9AJV L. H. Rave.....Nicollet, Minn.  
9AJW George P. Lee.....1544 Packard Ave., Racine, Wis.  
9AJX Paul F. Black.....514 S. Main St., Aberdeen, S. D.  
9AJY Walter J. Hammond.....616 E. 23d St., Pittsburg, Kans.  
9AJZ Herbert W. Praefcke.....218 LaSalle St., Streator, Ill.  
9AK Henry Klaus.....Eureka, Ill.  
9AKA Kenneth Burnes.....5151 Washington Ave., St. Louis, Mo.  
9AKB John I. Ottmann.....1392 Island Ave., Milwaukee, Wis.  
9AKC Earl H. Walks.....R. F. D. 1, Box 73, East Alton, Ill.  
9AKD Frank Libbe.....744 N. Allen St., South Bend, Ind.  
9AKE Charles O. Jones.....911 E. Main St., Streator, Ill.  
9AKF Ferris McKesson.....819 Baker Ave., Menominee, Mich.  
9AKG George H. Salter.....1910—16th St., Moline, Ill.  
9AKH Lawrence L. Zehrung.....1027 Home Ave., Ft. Wayne, Ind.  
9AKI Harold C. Edwards.....909 Kansas St., Independence, Mo.  
9AKJ Carl King.....1215 Hubbard Ave., Kansas City, Kans.  
9AKK Sylvester Clayton.....237 S. Park Ave., Sedalia, Mo.  
9AKL Frank J. Menninger.....421 Garrard St., Covington, Ky.  
9AKM David Livingston.....3609 Part Hill Ave., Milwaukee, Wis.  
9AKN Sydney G. Frazier.....412 E. Ormsby St., Louisville, Ky.  
9AKO Unassigned  
9AKP Harold C. Mattes.....4439 Monticello Ave., Chicago, Ill.  
9AKQ Irlin D. Lnehan.....934 Gay St., Chicago, Ill.  
9AKR Albert C. Meriz.....Byron, Ill.  
9AKS Otto H. Scholz.....1095 24th St., Milwaukee, Wis.  
9AKT Roland C. Warner.....1411 Walnut St., Murphysboro, Ill.  
9AKU William F. Ridgway.....507 W. Clark St., Freeport, Ill.  
9AKV A. H. Barneite.....33 Kivandis Apts., Fort Wayne, Ind.  
9AKW Allen O. Buseth.....Dearfield, Wis.  
9AKX Arthur J. Anderson.....610 Eighth St., S.W., Aberdeen, S. D.  
9AKY Leslie Jenis.....1028 Vine St., LaCrosse, Wis.  
9AKZ Montie Van Buren.....151 Main St., Menominee, Mich.  
9AL Julius A. Thomsen.....3234 LeMoine St., Chicago, Ill.  
9ALA Donald E. Cook.....Winfield, Iowa  
9ALB French H. Willis.....Box 34, Carlisle, Ind.  
9ALC M. G. McCarrroll.....425 N. 13th St., Cedar Rapids, Iowa  
9ALD Marlon W. Taylor.....R. R. No. 1, Owensboro, Ky.  
9ALE Warner and Waldo Russell.....R. R. No. 1, Winfield, Iowa  
9ALF Unassigned  
9ALG Howard L. Ford.....1123 Dayton Ave., Wichita, Kans.  
9ALH James S. Howe.....Kingston, Ill.  
9ALI Jack Lewis.....215 Galesburg Rd., Knoxville, Ill.  
9ALJ G. C. Hume, Jr.....151 School St., Chilton, Wis.  
9ALK Telford H. Smith.....4228 Ohio St., Omaha, Nebr.  
9ALL Boyd Phelps.....Manitou Sta., R. 2, Excelsior, Minn.  
9ALM Scott R. Wilson.....Pringbar, Iowa  
9ALN L. W. Olander.....301 Pearl St., Yankton, S. D.  
9ALO Frank Gerard.....19 N. Oriental St., Indianapolis, Ind.  
9ALP Marshall S. Winstandley.....815 Vincennes St., New Albany, Ind.  
9ALQ Leland B. Firman.....Larimore, N. Dak.  
9ALR Mark H. Doll.....602 84th Ave., West Allis, Wisc.  
9ALS George D. Greene.....1827-a N. Garrison Av., St. Louis, Mo.  
9ALT Anton J. Rank.....870 Richmond St., Appleton, Wisc.  
9ALU Leonard Leatherman.....108 E. 9th St., Hutchinson, Kans.  
9ALV Russell Swenson.....R. R. No. 4, Syracuse, Ind.  
9ALW Robert L. Van Osdol.....304 E. Lincoln Way, Morrison, Ill.  
9ALX Stanley Tollman.....3927 Beachwood Ave., Pine Lawn, Mo.  
9ALY Arthur R. Pursell.....921 Eighth St., Goshen, Ind.  
9ALZ Dale Fouts.....409 E. Elm St., Canton, Ill.  
9AM J. D. Cole, Jr.....1340 Estes Ave., Chicago, Ill.  
9AMA S. C. Blair.....Marshall, Mo.  
9AMB Donald L. Hathaway.....1575 Pennsylvania St., Denver, Colo.  
9AMC James M. Nalbach.....304 E. South St., Moweaqua, Ill.  
9AMD Richard L. Lpbarger.....1926 N. 21st St., Kansas City, Kans.  
9AME William Reynolds.....Derby, Colo.  
9AMF Glenn A. Duls.....1002 E. Main St., Streator, Ill.  
9AMG G. H. Turner.....3701 Belleview St., Kansas City, Mo.  
9AMH Albert E. Bathiany.....601 Monmouth St., Newport, Ky.  
9AMI J. Emerson Decker.....119 Second St. S.E., Mason City, Ia.  
9AMJ Edward A. Ramsey.....108-H College Ave., Assumption, Ill.  
9AMK Leon A. Faber.....Mendota, Ill.  
9AML H. A. Smith.....2701 "O" St., Lincoln, Neb.  
9AMM Boy Scouts of America.....Camp Cheaugue, Palatine, Ill.  
9AMN Benedict D. Brankey.....Box 95, Lombard, Ill.  
9AMO Henry G. Pfister.....1412 Sycamore St., Columbus, Ind.  
9AMP K. R. Caldwell.....925 Grand Blvd., Chicago, Ill.  
9AMQ Lee Frank Deehant.....1545 Flett St., Racine, Wisc.  
9AMR Harvey D. Matteson.....334 West South St., DeKalb, Ill.  
9AMS John R. Dye.....504 59th St., E. St. Louis, Ill.  
9AMT John T. Pegg.....Fountain City, Ind.  
9AMU Chauncey Hoover.....210 E. State St., Marshalltown, Iowa  
9AMV Jerome M. Hartman.....Signal Hill Pl., Edge't Sta., E. St. Louis, Ill.  
9AMW Howard Hill Smith.....603 E. Springfield Ave., Champaign, Ill.  
9AMX Elms Erickson.....1011 University Ave., Grand Forks, N.D.

9AMY Stuart Gates.....445 N. 28th St., Louisville, Ky.  
9AMZ Edward W. Kimbark.....926 Michigan Ave., Evanston, Ill.  
9AN Central High School.....Lexton and Marshall Sts., St. Paul, Minn.  
9ANA Louis A. Wollaege.....2728 State St., Milwaukee, Wisc.  
9ANB Unassigned  
9ANC Howard Wareberg.....1730 Hancock St., Chicago, Ill.  
9AND Paul W. Shoemaker.....418 Washington St., Bluffton, Ind.  
9ANE James E. Marshall.....5520 Walton St., Chicago, Ill.  
9ANF H. C. Harrey.....135 N. 13th St., Lincoln, Neb.  
9ANG John H. Geyer.....823 Center St., Racine, Wisc.  
9ANH Edward J. Lehman, Jr.....609 N. Clinton St., Bloomington, Ill.  
9ANI Lyle L. Fisher.....309 Centennial St., Muncie, Ind.  
9ANJ Archibald S. Scofield.....Spring Grove, Minn.  
9ANK Leo Randolph Adams.....P. O. Box 162, North Liberty, Ind.  
9ANL Richard C. Matthews.....715 Buchanan St., Topeka, Kans.  
9ANM Westall P. Shaffer.....19 1/3 W. Second St., Davenport, Iowa  
9ANN Eugene A. Willingans.....311 E. Maple Ave., Beaver Dam, Wisc.  
9ANO John D. Cox.....1027 Messanie St., St. Joseph, Mo.  
9ANP Myron E. Miller.....766 E. Fifth St., St. Paul, Minn.  
9ANQ Lonnie Vie Wells.....3207 Richardson Av., Kansas Cy, Kans.  
9ANR Franklin W. Pierce.....2415 18th Ave., Rock Island, Ill.  
9ANS Theodore Bulloch.....R.F.D. No. 6, Lexington, Ky.  
9ANT R. Mauris Koster.....2522 Elliott St., Louisville, Ky.  
9ANU John H. Martin.....Chandlerville, Ill.  
9ANV A. E. Braley..........Wesley, Iowa  
9ANW James F. Walnwright.....312 Florence St., Blue Island, Ill.  
9ANX Roy H. Collins.....701 E. Miller St., Bloomington, Ill.  
9ANY Daniel W. Snyder.....788 Western St., Blue Island, Ill.  
9ANZ Lloyd A. Browne.....2943 N. Broadway, Indianapolis, Ind.  
9AO Fred Schoenwolf.....1917 Warner Ave., Chicago, Ill.  
9AOA Lynn W. Wiksen.....Alexis, Ill.  
9AOB Clarence F. Kramer.....414 E. Pearl St., Lebanon, Ind.  
9AOC Richard H. Atherton.....1206 Perry St., Davenport, Iowa  
9AOD Delo Sellg.....3333 N. Hampshire St., Lawrence, Kans.  
9AOE Daniel Walter Gellerup.....638 Cramer St., Milwaukee, Wisc.  
9AOF Arnold C. Harrington.....Prospect St., Maquoketa, Iowa.  
9AOG Clifford E. Himoc.....739 Ohio St., Lawrence, Kans.  
9AOH Willard G. Cooper.....604 Tama St., Boone, Iowa  
9AOI George K. Jacobsen.....3208 Holmes Ave., Minneapolis, Minn.  
9AOJ Charles N. & John K. Nebal.....1320 Anthony St., Columbia, Mo.  
9AOK George A. Marks.....3101 Corby St., Omaha, Nebr.  
9AOL Unassigned  
9AOM W. J. and R. N. Stralka.....4235 Lindell Blvd., St. Louis, Mo.  
9AON Robert L. Coe.....607 Linden Ave., Clayton, Mo.  
9AOO J. H. Krallmann.....1480 Rowan Ave., St. Louis, Mo.  
9AOP Leslie Anderson.....831 Buena Ave., Chicago, Ill.  
9AOQ Lowry Kohler.....R.F.D. No. 2, Kansas City, Mo.  
9AOR James H. Haueter.....Pequot, Minn.  
9AOS W. M. Foss.....5735 Maryland Ave., Chicago, Ill.  
9AOT Abe Ginsburg.....2925 Pine Grove Ave., Chicago, Ill.  
9AOV Jack R. Whitney.....18 S. Comm'l Ave., Eagle Grove, Iowa  
9AOX Frank R. Churchill.....First West St., Alexis, Ill.  
9AOY Clarence L. Gunderson.....1006 St. John St., Albert Lea, Minn.  
9AOW Frank Rudich.....1500 S. Ridgway St., Chicago, Ill.  
9AOZ Jack A. Callanan.....941 Lakeside Pl., Chicago, Ill.  
9AOA Benjamin F. Haecker Post No. 466, American Legion, Eureka, Ill.  
9AOP Edwin G. Cunningham.....304 W. Washington St., Champaign, Ill.  
9APA Unassigned  
9APB Robert J. Finnell.....621 E. Water St., Pontiac, Ill.  
9APC Arthur Poole.....2829 Sheridan Place, Evanston, Ill.  
9APD H. J. Walters.....152 N. Elm St., Nappanee, Ind.  
9APE John G. Lotter.....1128 E. Geranium St., St. Paul, Minn.  
9APF William Wells.....2530 Williams St., Denver, Colo.  
9APG Unassigned  
9APH Burton W. Dupue.....7460 Sheridan Rd., Chicago, Ill.  
9API Raymond Gomersall.....2626—4th Ave. S., Minneapolis, Minn.  
9APJ Albert Anderson.....646 Marquette Rd., Chicago, Ill.  
9APK Harry E. Smith.....114 Ridge Ave., Evanston, Ill.  
9APL M. F. Brown.....1107 W. Sycamore St., Independence, Kans.  
9APM Malcolm A. Smith.....136 S. 11th St., Richmond Ind.  
9APN Jacob C. Thomas.....Box 685, David City, Nebr.  
9APO Unassigned  
9APP Leo Kiler.....3609 W. 26th St., Chicago, Ill.  
9APQ E. H. Leland.....333 Wisconsin St., Oak Park, Ill.  
9APR Horace E. Crawford.....Olde, Iowa  
9APS Aloys Deppenbraek.....1023 Russell Ave., Corvinton, Ky.  
9APT F. G. Ault.....525 Murray St., Hammond, Ind.  
9APU Edward Carlstedt.....2307 11th Ave. A., Moline, Ill.  
9APV W. H. Roop.....2420 Ash St., Chicago Heights, Ill.  
9APW Maurice G. Goldberg.....711 Dayton Ave., St. Paul, Minn.  
9APX Frank L. Taylor.....824 South St., Sault Ste. Marie, Mich.  
9APY K. J. Audley.....1417 Auburn St., Rockford, Ill.  
9APZ Everett Vogel.....6 Beech Ave., South Gate, Ky.  
9AQ Mervyn Street.....6640 Parnell Ave., Chicago, Ill.  
9AQA Frank C. Weeks.....701 Randolph St., Champaign, Ill.  
9AQB W. A. Lippman, Jr.....6 Thornby Pl., St. Louis, Mo.  
9AQC Kenneth P. Stiles.....1121 S. 27th St., Omaha, Nebr.  
9AQD W. V. Woodruff.....419 N. 3d St., Rockford, Ill.  
9AQE Frank F. Adams.....115 S. Summit St., El Dorado, Kans.  
9AQF Paul W. Sherman.....437 South St., Woodstock, Ill.  
9AQG Henry A. Tindall.....215 E. Seymour St., Muncie, Ind.  
9AQH Dr. Fred C. Soper.....Dillworth, Minn.  
9AQI Lawrence Shender.....17 S. Trumbull St., Chicago, Ill.  
9AQJ Daniel R. Warner.....432 S. 15th St., Terre Haute, Ind.  
9AQK H. E. Gould.....5022 Underwood Ave., Omaha, Neb.  
9AQL Lester A. Wolf.....820 Elaventh St., South Bend, Ind.  
9AQM Wilford G. Cooley.....19th and "E" Sts., Granite City, Ill.  
9AQN Irving A. Pratt.....3308 Elliott St., Mimesapolis, Minn.  
9AQO Walter W. Weldling.....1069 17th St., Milwaukee, Wisc.  
9AQP W. A. Kuehl.....3501 Wilson Ave., Chicago, Ill.  
9AQQ Thomas Electric Co.....813 Locust St., Des Moines, Iowa.  
9AQR Henry B. Goldenberg.....3115 Olive St., Kansas City, Mo.  
9AQS G. E. Gustafson.....1504—40th St., Rock Island, Ill.  
9AQT Harold Lange.....544 State St., Racine, Wisc.  
9AQU D. V. Gearhart.....Box 216, Hopkinton, Iowa  
9AQV Donald Boul.....2544 Pleasant Ave., Mimesapolis, Minn.  
9AQW J. R. Wood, Jr.....1724 High St., Denver, Colo.  
9AQX W. H. Mundt.....1928 Belmont Ave., Chicago, Ill.  
9AQY Colorado Springs High School.....509 N. Wahsatch St., Colorado Spgs., Colo.  
9AQZ Carl J. Unger.....5240 Maple Ave., St. Louis, Mo.  
9AR Johnson & Scholtes.....4216 Paulina Ave., Chicago, Ill.  
9ARA Theodore L. Van Lew.....10 10th St., Marshalltown, Iowa  
9ARB Leo Hochqrtael.....228 N. Wisconsin St., Racine, Wisc.  
9ARC A. H. Schaefer.....Franklin St., Slinger, Wis.  
9ARD John F. Avritch.....906 Fourth Ave., Grand Forks, N. D.  
9ARE J. C. Kostaky.....1602 Sumner St., Lincoln, Neb.  
9ARF Unassigned  
9ARG Clifford E. Fay.....5090 Cabanne Ave., St. Louis, Mo.  
9ARI Walter G. Perry.....130 E. Milwaukee Ave., Wauwatosa, Wisc.  
9ARJ James D. Johnson.....789 Bayard St., St. Louis, Mo.  
9ARK Clarence D. Carter.....238 N. Third St., Arkansas City, Kans.  
9ARL Myron J. McKea.....3804 Central Ave., Indianapolis, Ind.  
9ARM William H. Althoff.....019 N. Jefferson Ave., St. Louis, Mo.  
9ARN A. L. West.....Eastern Ave., Manhattan, Ill.  
9ARO Robert J. Ritchie, Jr.....1246 Winneamac Ave., Chicago, Ill.  
9ARO Calvin Schweitzer.....108 Marquette St., Racine, Wisc.  
9ARP Unassigned  
9ARQ Arthur B. Newell.....421 N. Kirkwood Rd., Kirkwood, Mo.

9ARR Urah C. Morris.....128 S. Prince St., Princeton, Ind.  
 9ARS Charles L. Barker.....618 S. Third St., Washington, Iowa  
 9ART R. S. Crowder.....4610 N. Racine St., Chicago, Ill.  
 9ARU Darrell A. Downard.....532 26th St., Louisville, Ky.  
 9ARV William G. Colson, Jr.....(Road to Fair Grounds) Middletown, Ky.  
 9ARW T. S. Howell.....215 N. 11th St., Salina, Kans.  
 9ARX Myron J. McKee.....3804 Central Ave., Indianapolis, Ind.  
 9ARY Harold L. Echtermacht.....822 W. Maple Ave., Independence, Mo.  
 9ARZ Donald E. Watts.....502 N. Fourth St., Clear Lake, Iowa  
 9AS Fred L. Damarin.....3219 W. 5th Ave., Chicago, Ill.  
 9ASA Carlton Marsh.....786 Vernon St., Glenco, Ill.  
 9ASB Louie R. Hull.....3107 Broadway, Fort Wayne, Ind.  
 9ASC Ottumwa High School.....W. Fourth St., Ottumwa, Iowa  
 9ASD Harry Spoor, Jr.....407 W. Washington St., Urbana, Ill.  
 9ASE Eugene V. Keshelmer.....311 Madison Place, Lexington, Ky.  
 9ASF D. C. McDonald.....302 North St., Waseca, Minn.  
 9ASG Theodore A. Giles.....214 S. Davis St., Ottumwa, Iowa  
 9ASH Reestjerna and Haynes.....1007 N. Prairie St., Bloomington, Ill.  
 9ASI H. A. Scott.....509 N. Georgia Ave., Mason City, Iowa  
 9ASJ John E. Hall.....6th and John Sts., Seymour, Ind.  
 9ASK Paul L. Trump.....1764 Lincoln Ave., St. Paul, Minn.  
 9ASL Reginald Lewis.....506 W. Washington St., Winterset, Iowa  
 9ASM Orville L. Frasier.....Davis City, Iowa  
 9ASN Ira Fay Gardner.....1758 Goodrich Ave., St. Paul, Minn.  
 9ASO Jack Mattem.....2408 32d St., Omaha, Nebr.  
 9ASPF Unassigned  
 9ASQ Manchester High School.....New St., Manchester, Iowa  
 9ASR Charles Manley.....4458 Lake Park Ave., Chicago, Ill.  
 9AST L. W. Guin.....219 Belger St., Mishawaka, Ind.  
 9ASU William W. Watts.....7418 Sheridan Rd., Chicago, Ill.  
 9ASV Harold Franklin.....3438 S. Park Ave., Chicago, Ill.  
 9ASW Irvin Schmidt.....62 19th St., Milwaukee, Wisc.  
 9ASX Stanton F. Baird.....64 Avon St., St. Paul, Minn.  
 9ASY James F. Murphy.....224 N. Taylor St., El Dorado, Kans.  
 9ASZ Kuester & Fensky.....408 Abnail St., Menasha, Wis.  
 9AT John Q. Adams.....5410 Fulton St., Chicago, Ill.  
 9ATA James E. Conklin.....210 E. Sixth St., Hutchinson, Kans.  
 9ATB John L. Atkinson.....Pawnee City, Nebr.  
 9ATC Louis William Chansky.....2141 S. 35th Ave., Omaha, Nebr.  
 9ATD Norman R. Bowen.....3733 High St., Denver, Colo.  
 9ATE Alfred H. Kliest.....1323 Hilda Place, Milwaukee, Wisc.  
 9ATF Allen J. Kelb.....806 Leland Ave., South Bend, Ind.  
 9ATG Maynard R. Briggs.....1896 Feronia St., St. Paul, Minn.  
 9ATH F. J. Otis, Jr.....1894-14th Ave., Moline, Ill.  
 9ATI Francis F. Fardig.....7310 Kenwood Ave., Chicago, Ill.  
 9ATJ Norman A. Miller.....2829 Sheridan Place, Evanston, Ill.  
 9ATK Ernest J. Ball.....3138 Montrose Ave., Chicago, Ill.  
 9ATL Elmo W. Phillips.....801 N. 14th St., Clarinda, Iowa  
 9ATM Forrest R. Braden.....1924 "J" St., Lincoln, Nebr.  
 9ATN Anson D. Marston.....College Campus, Ames, Iowa  
 9ATO Edwin A. Cary.....1290 Klincklinck Av., Milwaukee, Wisc.  
 9ATP G. C. Wanek.....920-16th St., Aurora, Neb.  
 9ATQ G. F. Messler.....201 S. Channing St., Elgin, Ill.  
 9ATR Hal P. Rea.....R. F. D. No. 4, Carrollton, Mo.  
 9ATS Leale H. Carlson.....R. F. D. No. 4, Carrollton, Mo.  
 9ATT Stanley E. Fey.....402 Armory St., Champaign, Ill.  
 9ATU Arthur F. Hartfelder.....231 N. Mill St., Kansas City, Kans.  
 9ATV Lawrence Houska.....806 E. Lawson St., St. Paul, Minn.  
 9ATW Carl W. Loeber.....297 25th St., Milwaukee, Wisc.  
 9ATX Robert E. Lathrop.....Radio Amateur Club, Waukesha, Wisc.  
 9ATY Wendall Bishop.....1334-23d St., Des Moines, Iowa  
 9ATZ Edward B. Noel.....4874 Fountain Ave., St. Louis, Mo.  
 9AU Charles H. Zeller.....5511 Warwick Ave., Chicago, Ill.  
 9AUA Winfred C. Hilgedick.....2191 Knapp St., St. Paul, Minn.  
 9AUB Charles Lampel.....135 Ray St., Indianapolis, Ind.  
 9AUC Walter Lee Major.....First St., Albany, Ind.  
 9AUD George A. Schriener.....Halstead, Kans.  
 9AUE Theodora Lowenthal.....104 S. Hamlin Ave., Chicago, Ill.  
 9AUF Walter Weigand.....717 N. Hamlin Ave., Chicago, Ill.  
 9AUG W. B. Maccubin.....5612 Maple Ave., St. Louis, Mo.  
 9AUH Dale Tetric.....1326 Peoria St., Dixon, Ill.  
 9AUI Arthur W. Peters.....219 Rockford St. N., Rockford, Ill.  
 9AUJ Fred W. Hermann.....920 N. Fifth Ave., Minneapolis, Minn.  
 9AUK Charles Birget.....1367 Summit St., Springfield, Mo.  
 9AUL Lynce C. Smeby.....1504 W. Broadway, Minneapolis, Minn.  
 9AUM Frank Q. Peters, Jr.....2232 Seminary Ave., Chicago, Ill.  
 9AUN Clifford C. Savage.....2511 Penn Ave., Minneapolis, Minn.  
 9AUO F. M. Quinn.....2244 Winona St., Chicago, Ill.  
 9AUP Herbert P. Dalton.....Kirkland, Ill.  
 9AUQ A. S. Braaten.....Concordia College, Moorhead, Minn.  
 9AUR John H. Boos, Jr.....922 N. Kingshighway, St. Louis, Mo.  
 9AUS Russell Martin.....307 Cherry St., Mt. Carmel, Ill.  
 9AUT Willard H. Farr.....6024 Dakin St., Chicago, Ill.  
 9AAU Harry Long.....Aneta, N. Dak.  
 9AAV George C. Schmid.....319 E. Wisconsin Ave., Neenah, Wisc.  
 9AAW T. C. Goodner.....409 S. 3d St., Rocky Ford, Colo.  
 9AUX Herman Hediger.....778 University St., St. Paul, Minn.  
 9AUY Seward Duplissis.....642 E. 64th St., Chicago, Ill.  
 9AAZ Furman P. Ralston.....West St., Cor. North, Lacona, Iowa  
 9AAV Edwin Werlein.....4060 Lincoln Ave., Chicago, Ill.  
 9AAW G. M. Morgan.....845 S. Scoville St., Oak Park, Ill.  
 9AAVB Wauwatosa Radio Club.....Wauwatosa Ave., Wauwatosa, Wisc.  
 9AAVC Robert M. Stephens.....S.E. cor. 4th and Lincoln, Hastings, Neb.  
 9AAVD Ray Finney.....2408 S. 18th St., St. Louis, Mo.  
 9AAVE D. A. Lacombe.....Ortonville, Minn.  
 9AAVF R. A. Bagnell.....12 Westmoreland Pl., St. Louis, Mo.  
 9AAVG L. W. Thrawill.....403 Poplar St., Eureka, Kans.  
 9AAVH Warren G. Simpson.....7 Ninth St., Fulton, Mo.  
 9AAVI Nelson M. Connet.....604 N. Catalpa St., Pittsburg, Kans.  
 9AAVJ Melvin E. Endersty.....Hillsboro, Iowa  
 9AAVK Kenneth Krahl.....1401 W. Short St., Independence, Mo.  
 9AAVL Mario Teschion.....1145 Selby St., St. Paul, Minn.  
 9AAVM C. E. Butler.....3355 Herndon Ave., Chicago, Ill.  
 9AAVN Millard E. Kelley.....3800 Wabash St., Kansas City, Mo.  
 9AAVO Walter F. Lanterman.....746 S. Armstrong St., Kokomo, Ind.  
 9AAVP Willard McCulla.....438 Sheridan Rd., Waukegan, Ill.  
 9AAVQ F. A. Heckendorf.....2038 Gaylor St., Denver, Colo.  
 9AAVR Floyd E. Phillips.....400 Chicago Ave., Hot Springs, S. D.  
 9AAVS Arnold S. Grossman.....3998 Wolf St., Denver, Colo.  
 9AAVT Russell L. Eggleston.....308 S. Lott St., Gibson City, Ill.  
 9AAVU G. Edward Allebach.....71 S. Lincoln St., Denver, Colo.  
 9AAVV H. E. Roys.....5434 Marshfield Ave., Chicago, Ill.  
 9AAVW Lawrence Gross.....5434 Marshfield Ave., Chicago, Ill.  
 9AAVX Elmer M. Koczek.....1097 McLeone Ave., St. Paul, Minn.  
 9AAVY C. P. Wagner.....6437 S. Artesian Ave., Chicago, Ill.  
 9AAVZ Orville Wheeler.....800 E. Capitol Ave., Pierre, S. Dak.  
 9AAW Paul S. Pfeiffer.....919 S. Bishop St., Chicago, Ill.  
 9AAWA El Victor Baxter.....607 N. Walnut St., Pittsburg, Kans.  
 9AAWB Theodore W. Schwamb.....215 N. Leonard St., Liberty, Mo.  
 9AAWC H. V. McCollum.....423 Broadway, Kingman, Kans.  
 9AAWD Frederick J. Metcalf, Jr.....700 Oak St., Steamboat Springs, Colo.  
 9AAWE F. T. Mitchell.....1801 "D" St., Granite City, Ill.  
 9AAWF Charles R. Heath.....83 Hooper St., Clifton, Ky.  
 9AAWG H. F. Eader.....404 S. Sherman Drive, Indianapolis, Ind.  
 9AAWH B. L. Smith.....5021 S. Carpenter St., Chicago, Ill.  
 9AAWI Russell Sindt.....1509 Washington St., Cedar Falls, Iowa  
 9AAWJ B. Meyerpeter.....1225 Hood Ave., Chicago, Ill.  
 9AAWK C. E. Erbstein.....R.F.D. Box 75, Elgin, Ill.  
 9AWL Ray C. Schryver.....2111 Franklin St., Denver, Colo.

9AWM Lloyd V. Berkner.....117 E. Summit St., Sleepy Eye, Minn.  
 9AWN Lewis E. Dumban.....1625 100th St., Chicago, Ill.  
 9AWO Central High Radio Club.....34th St. & S. 4th Ave., Minneapolis, Minn.  
 9AWP Joseph W. Young.....2315 College Ave., Indianapolis, Ind.  
 9AWQ G. L. Eldred.....714-6th St., Carrollton, Wis.  
 9AWR D. W. Livingston.....3609 Park Hill Ave., Milwaukee, Wisc.  
 9AWS George E. Zembal.....406 Buchanan St., Minneapolis, Minn.  
 9AWT Joseph Banks.....3255 Walter St., Maplewood, Mo.  
 9AWU Winburn R. Plerse.....10 6th St., Anderson, Ind.  
 9AWV Joseph H. Plasket.....1235 Organ St., Ft. Wayne, Ind.  
 9AWW Paul R. Thompson.....1320 W. Short St., Independence, Mo.  
 9AWX Allan F. Baird.....1946 Walling Court, Davenport, Iowa  
 9AWY Leon L. Kuempel.....3204 Park Ave., Minneapolis, Minn.  
 9AWZ Elmer Ballantyne.....Center and Fourth St., Hobart, Ind.  
 9AX Clarence W. Leininger.....2119 N. Tripp Ave., Chicago, Ill.  
 9AXA William G. Davis.....1025 S. 25th St., Ft. Dodge, Iowa  
 9AXB John W. Terry.....169 Grant St., Littleton, Colo.  
 9AXC Homer S. Harlan.....1600 S. Fourth Ave., Sloux Falls, S. D.  
 9AXD L. E. Seever, Jr.....126 N. 4th St., Clinton, Iowa  
 9AXE John K. Haddaway.....322 Clark Ave., Webster Grove, Mo.  
 9AXF Morris MacCabee.....4445 Broadway, Chicago, Ill.  
 9AXG T. O. McPherson.....2932 Dean Ave., Des Moines, Iowa  
 9AXH Frank J. Kormayer.....8601 Hermitage Ave., Chicago, Ill.  
 9AXI Edward A. Goodnow.....4467 Lake Park Ave., Chicago, Ill.  
 9AXJ D. H. Freeman.....2327 Osgood St., Chicago, Ill.  
 9AXK Otto Hartwig.....4430 Princeton St., Chicago, Ill.  
 9AXL Lyons Township High School.....LaGrange, Ill.  
 9AXM H. M. Parkhurst.....1304 Des Moines St., Webster City, Iowa  
 9AXN O. G. Peterson.....R.F.D. No. 1, Box 148, Lincoln, Neb.  
 9AXO Charles W. McCall, Jr.....514 N. Genesee St., Morrison, Ill.  
 9AXP Darl F. Wood.....S. State St., Jerseyville, Ill.  
 9AXQ Joseph J. Flaherty.....792 Capitol Heights, St. Paul, Minn.  
 9AXR Gaston Music & Furniture Co.....2d & Denver Sts., Hastings, Neb.  
 9AXS O. C. Miller.....R.F.D. No. L, Marshall, Minn.  
 9AXT Lloyd L. Beranek.....6742 Lakewood Ave., Chicago, Ill.  
 9AXU Erwin E. Ahrens.....1598 Crawford St., Boone, Iowa  
 9AXV Roy W. Russell.....319 N. Custer St., Colo. Springs, Colo.  
 9AXW Roy E. Bolin.....5519 Bartmer Ave., St. Louis, Mo.  
 9AXX Russell Callender.....1669 Princeton Ave., St. Paul, Minn.  
 9AXY John R. Exger.....North Liberty, Ind.  
 9AXZ Donovan Oglesve.....1548 30th St., Rock Island, Ill.  
 9AY Richard C. Buchols.....6208 University Ave., Chicago, Ill.  
 9AYA Eugene W. Ruppenthal.....774 3/4 36th St., Milwaukee, Wisc.  
 9AYB Cloyd E. Rheas.....683 E. Berrien St., Galesburg, Ill.  
 9AYC Guy Carlton.....528 N. Main St., Bloomington, Ill.  
 9AYD E. K. Warren.....No. 7 Murdock Flats, West Lafayette, Ind.  
 9AYE R. W. Fullerton.....Beaver Dam, Wisc.  
 9AYF Floyd E. Gray.....R. R. No. 1, Fulton, Ind.  
 9AYG Modern Electric Lab.....126 Main St., Orley, S. D.  
 9AYH Ray W. Hitchcock.....41 N. Arlington Ave., Indianapolis, Ind.  
 9AYI Cedi C. Barrette.....310 Second Ave. S.W., Watertown, S.D.  
 9AYJ R. T. Rumion.....1600 E. 8th St., Winfield, Kans.  
 9AYK C. Stuart Johnson.....Oakland, Nebr.  
 9AYL William H. DeBaum.....3872 62nd St., Kansas City, Mo.  
 9AYM Arthur Long.....1187 S. Gunderson St., Oak Park, Ill.  
 9AYN Edward T. Markowski.....1436 N. Ashland Ave., Chicago, Ill.  
 9AYO Joviet Township High School.....Jefferson St., Joliet, Ill.  
 9AYP R. B. Reed.....312 Pine St., Eureka, Kans.  
 9AYQ Curtis M. Cederstrom.....805 7th St. E., Minneapolis, Minn.  
 9AYR Leonard S. Wall.....5863 Kenmore Ave., Chicago, Ill.  
 9AYS Paul C. Rohwer.....2041 "K" St., Lincoln, Neb.  
 9AYT Charles C. Shutt.....412 Summit St., Marshalltown, Iowa  
 9AYU Aubrey H. Williams.....1630 Adams St., Denver, Colo.  
 9AYV R. H. Owen.....1400 Broadway, Boulder, Colo.  
 9AYW Edgar W. Freeman.....Elk Point, S. Dak.  
 9AYX Everett McFee.....2405 Portland Ave., Louisville, Ky.  
 9AYY McKinley High School.....Missouri & Russell Sts., St. Louis, Mo.  
 9AYZ Merion C. Harris.....Box 284, Willisca, Iowa  
 9AZ Harry J. Card.....2201 N. Tripp Ave., Chicago, Ill.  
 9AZA Kenneth C. Maas.....323 Jefferson St., Whitewater, Wisc.  
 9AZB W. A. Stone.....336 Broadway, Augusta, Kans.  
 9AZC Ira Williams, Jr.....Box 58, Maitland, Mo.  
 9AZD Lee N. Hamm.....Niederhous & State, Granite City, Ill.  
 9AZE Joseph D. Coates.....212 Sixth St., Muncie, Ind.  
 9AZF James C. Lewis.....849 E. Elm St., Canton, Ill.  
 9AZG James N. Guthrie.....R-1, Spg. Rd. Fox Pt., N. Milwaukee, Wis.  
 9AZH Sidney P. Stocking.....810 State St., Rolla, Mo.  
 9AZI James A. Galbraith.....2303 N. Dupont St., Minneapolis, Minn.  
 9AZJ Delmer Sandberg.....6523 Peoria St., Chicago, Ill.  
 9AZK Harold J. Vaughan.....2122 Lincoln Ave., Chicago, Ill.  
 9AZL Elbert H. Sykes.....300 W. Oak St., Carbondale, Ill.  
 9AZM Paul M. Jacobs.....571 Wauwatosa Ave., Wauwatosa, Wisc.  
 9AZN Albert D. Sanial.....608 S. Fourth St., LaCrosse, Wisc.  
 9AZO William C. Rosenberger.....678 N. Michigan Ave., Chicago, Ill.  
 9AZP James S. Moore.....4208 N. Clark St., Chicago, Ill.  
 9AZQ Harold Matson.....3569 Dickens Ave., Chicago, Ill.  
 9AZR Harold C. Armagost.....327 W. 4th St., Florence, Kans.  
 9AZS Frank Stude.....2252 Giddings St., Chicago, Ill.  
 9AZT Barnard & Wyatt.....64 Clay St., Mt. Sterling, Ky.  
 9AZV James W. Foraker.....1027 Maiden Lane, Galesburg, Ill.  
 9AZW Langdon Stout.....300 School St., Normal, Ill.  
 9AZX William E. Schendel.....5113 Wells Ave., St. Louis, Mo.  
 9AZY H. C. Tudor.....3620 S. Washington St., Marion, Ind.  
 9AZZ Alvin C. Spencer.....405 E. Green St., Champaign, Ill.  
 9BA Paul J. Mteska.....3438 Hamilton St., Chicago, Ill.  
 9BA John C. Walter.....Carroll Hall, Notre Dame, Ind.  
 9BAA Clifford Schoenhardt.....2251 "B" St., Granite City, Ill.  
 9BAB Unassigned  
 9BAC Alfred L. Stephenson.....738 68th Ave. West Ellis, Wisc.  
 9BAD Robert and Donald Cassels.....Ellendale, N. D.  
 9BAE Damon C. Borders.....1326 Olive St., Indianapolis, Ind.  
 9BAF C. Gilford Peterson.....401 S. Ninth St., Brainerd, Minn.  
 9BAG Frank E. Smolek.....4452 S. Troy St., Chicago, Ill.  
 9BAH Harold H. Halstone.....444 Orient Ave., Carlinville, Ill.  
 9BAI Bernhardt Brabender.....44 S. Fifth St., Evansville, Ind.  
 9BAJ Elmer E. Herring.....509 N. Second St., Marshalltown, Iowa  
 9BAC Crowley & Arnold.....800 Grand Ave., Menomonee, Mich.  
 9BAL Roy W. Pratt.....611 Pleasant St., Rockwell City, Iowa  
 9BAM F. A. Burrows.....2224 Giddings St., Chicago, Ill.  
 9BAN James B. McPherson.....524 S. 7th St., Brainerd, Minn.  
 9BAO Lewis W. Steck, Jr.....2000 Benton St., St. Louis, Mo.  
 9BAP Unassigned  
 9BAQ Clark Chandler.....304 First Ave., W., Cedar Rapids, Ia.  
 9BAR Unassigned  
 9BAS Carl H. Kaempfer.....322 Fourth Ave., West Bend, Wisc.  
 9BAT Warren G. Congram.....R.F.D. No. 3, Box 7, Francesville, Ind.  
 9BAU James L. Fetters.....516 N. Second St., Marshalltown, Iowa  
 9BAV Everett W. McQuillin.....701 S. 7th St., Brainerd, Minn.  
 9BAW Roscoe E. Pugh.....Allerton, Ill.  
 9BAX Burton F. Miller.....226 N. Orchard St., Madison, Wis.  
 9BAY William R. Perry.....737 California St., Columbus, Ind.  
 9BAZ John B. Wathan.....R-1, Box 97, M. B. V., Louisville, Ky.  
 9BB Harold J. Buckley.....716 N. Campbell Ave., Chicago, Ill.  
 9BBA Howard Roy Stacks, Jr.....928-61st St., Chicago, Ill.  
 9BBB Unassigned  
 9BBC Unassigned  
 9BBD Unassigned  
 9BBE Unassigned  
 9BBF Ernest T. Sperling.....21 S. Jefferson St., New Ulm, Minn.

9BBG	Unassigned		9BG	Wendell L. Holst	3619 N. St. Louis Ave., Chicago, Ill.
9BBH	Unassigned		9BGA	Edwin E. Morgan	846 Adams St., Oak Park, Ill.
9BBJ	Albert Kahn		9BGB	Herman A. Bahr	543 19th St., Oshkosh, Wis.
9BBK	James H. Freyeremuth	1069 Riverside Drive, South Bend, Ind.	9BGC	Theodore G. Vaky	212 Columbia Ave., Champaign, Ill.
9BBL	Unassigned	615 Lincoln Way, E., South Bend, Ind.	9BGD	Irving H. Cohen	214 E. 60th St., Chicago, Ill.
9BBM	Ralph Schwartz	616 Montgomery St., Shelbyville, Ind.	9BGE	Sterling Electric Co.	33 S. Fifth St., Minneapolis, Minn.
9BBN	Unassigned		9BGF	Edward H. Cook	1010 W. Wayne St., Ft. Wayne, Ind.
9BBO	Unassigned		9BGG	Sylvester B. Parr	2119 Lothrop St., Omaha, Nebr.
9BBP	Unassigned		9BGH	Jerry P. Gillett	R. R. No. 2, Rippey, Iowa
9BBQ	Stephe. J. Holland	101 Lincoln Way, W., South Bend, Ind.	9BGI	Evron M. Christeson	718 S. First St., Eagle Grove, Iowa
9BBR	Joseph A. Brence	920 Adams St., Waukegan, Ill.	9BGJ	Gustaf A. Gummeson	503 Third St., Clinton, Iowa
9BBS	Anton Mix	910 Adams St., Waukegan, Ill.	9BGK	Richard L. Duncan	Hancock, Minn.
9BBT	Unassigned		9BGL	Durant T. Rice	1321 S. 35th Ave., Omaha, Nebr.
9BBU	Unassigned		9BGM	Dave C. Flitz	Dallas Center, Iowa
9BBV	Unassigned		9BGN	Kenneth Van Atta	West Liberty, Iowa
9BBW	Unassigned		9BGO	Richard C. Lindsey	5012 Washburn Ave., Minneapolis, Minn.
9BBX	Unassigned		9BGP	Orville Crawley	Danville, Ind.
9BBY	Unassigned		9BGG	Albert J. Schroder	61 W. 112th St., Chicago, Ill.
9BBZ	Leslie Harlan	Hillsboro, Iowa	9BGR	William Trelease, Jr.	804 S. Lincoln Ave., Urbana, Ill.
9BC	Robert K. Karlowa	313 E. 29th St., Davenport, Iowa	9BGS	Lawrence E. Baker	Fairfax, Mo.
9BCA	John C. Kuesport	602 E. Haney Ave., South Bend, Ind.	9BGT	Paul Loyet	R. 1, Jersey Ridge Rd., Davenport, Iowa
9BCB	Roland G. Palmer	144 E. 16th St., Chicago Heights, Ill.	9BGU	Arthur Rekenhaller	622 21st St., Milwaukee, Wis.
9BCC	Dwight J. Stebbins	114 W. 10th St. (114), Morris, Minn.	9BGV	Ray M. Harding	864 20th St., Des Moines, Iowa
9BCD	Bendix J. Studeman	802 S. 6th St., Lyons, Iowa	9BGW	Ernest Grey	1234 W. 36th St., Indianapolis, Ind.
9BCE	Monroe C. Slesny, Jr.	411 Sycamore St., Carbonada, Ill.	9BGX	Oscar F. Bleckert	102 S. 8th St., Aberdeen, S. Dak.
9BCF	Elmer A. Gunther	514 S. 11th Ave., Fort Dodge, Iowa	9BGY	William N. Sweetland	516 N. Bradley St., Indianapolis, Ind.
9BCG	Unassigned		9BGZ	Paul I. Weinger	413 W. 8th St., Cresco, Iowa
9BCH	Erwin A. Rasmussen	205 N. Park Ave., Oshkosh, Wis.	9BH	Fred Gropp	2713 N. Racine Ave., Chicago, Ill.
9BCI	Arnold T. Teeter	Hillsboro, Iowa	9BHA	George G. Kibbet	Forest City, Iowa
9BCJ	Charles C. Messman	728 Atlanta Ave., Webster Groves, Mo.	9BHB	Herbert A. Lynes	906 Nichols St., Fulton, Mo.
9BCK	William Crowley, Jr.	800 Grand Ave., Menominee, Mich.	9BHC	Herman D. Elledge	Cincinnati, Iowa
9BCL	Richard F. Conner	620 E. Elm St., New Albany, Ind.	9BHD	Robert C. Kane	Warren, Ill.
9BCLM	Robert H. Smith	418 5th St., Ames, Iowa	9BHE	Ralph E. Turner	419 Cottage Ave., Glen Ellyn, Ill.
9BCN	Charles L. Valley	1109 Irving Place, Racine, Wis.	9BHF	Verdon Stones	571 Harper St., St. Louis, Mo.
9BCO	Eric William Johnson	Maysville, Mo.	9BHG	Warrick Anerson	2221 Dayton St., Chicago, Ill.
9BCP	John Alden Pfau	222 Clark St., Mankato, Minn.	9BHH	Unassigned	
9BCQ	Osman Y. Starner	1009 Fayette Ave., Effingham, Ill.	9BHI	Julius C. Claas	3531 Juniata St., St. Louis, Mo.
9BCR	Unassigned		9BHJ	Frederick Glaser	702 W. 8th St., Coffeyville, Kans.
9BCS	Frank E. Bollom, Jr.	1010 Washington Ave., Racine, Wis.	9BHK	A. Foster Sheller	Dallas Center, Iowa
9BCT	Clifford J. Kriel	1538 W. Vermont St., Indianapolis, Ind.	9BHL	Lawrence Topp	1033 N. Lawndale Ave., Chicago, Ill.
9BCU	Unassigned		9BHM	Truman Van Norman	R. F. D. 3, Box 109, Naperville, Ill.
9BCV	Joyce E. Prather	100 Oak St., Mounds, Ill.	9BHN	George D. Wilson	411 Osage St., Leavenworth, Kans.
9BCW	J. A. Slusser	4211 Bryant St., Denver, Colo.	9BHO	Reuber Schultz	R. No. 3, Box 109, Naperville, Ill.
9BCX	O. F. Kirchner	1326 Main St., Keokuk, Iowa	9BHP	William C. Bliss	4929 Lotus Ave., St. Louis, Mo.
9BCY	Marius Plumly	West Liberty, Iowa	9BHQ	Dallas W. Jansen	719 Oneida St., Appleton, Wis.
9BCZ	Anton Tomasek	1322 Lamt St., St. Louis, Mo.	9BHR	Leo A. Coash	594 Kimball St., Danville, Ill.
9BD	Dwight A. Myer	2614 E. 74th Place, Chicago, Ill.	9BHS	Arthur M. Bullock	3600 Gladstone Blvd., Kansas City, Mo.
9BDA	Leikh Meryl Matthews	McClure, Ill.	9BHT	Mark Waggoner	Waggoner, Ill.
9BDB	Gerard Harrington	202 N. 15th St., Richmond, Ind.	9BHU	Edward Thrash	713 S. Elm St., Champaign, Ill.
9BDC	Carl E. Johnson	503 Seventh Ave., S., Wausau, Wis.	9BHV	Robert B. Magor	106 S. Madison Ave., LaGrange, Ill.
9BDD	William Crouch	709 E. Broadway, Waukesha, Wis.	9BHW	Robert Pogue	367 W. Main St., Danville, Ind.
9BDE	Charles E. Weigel	R. F. D. No. 13, Jeffersonville, Ky.	9BHX	Erick Winter	1538 Marietta St., Decatur, Ill.
9BDF	Henry W. Hoffman	1826 N. Peoria St., Peru, Ill.	9BHY	Lane M. Artell	119 N. 32d Ave., Omaha, Nebr.
9BDG	Unassigned		9BHZ	Roy E. Olmstead	Wauwata, Nebr.
9BDH	Frank Kester	Elk Point, S. Dak.	9BI	Waldo E. Lisle	6507 Stewart Ave., Chicago, Ill.
9BDI	Unassigned		9BIA	Carl A. Bergfors	603 Carney Blvd., Marinette, Wis.
9BDJ	Unassigned		9BIB	Harold J. Pansch	1237 Blaine Ave., Racine, Wis.
9BDK	Lumir Dytrt	1707 "C" St., Cedar Rapids, Iowa	9BIC	Raymond A. Hunert	Minonk, Ill.
9BDL	Kendall M. North	5634 Winthrop Ave., Chicago, Ill.	9BID	Elvis G. Foley	Fairfax, Mo.
9BDM	Robert L. Bunch	519 N. Monroe St., Decatur, Ill.	9BIE	Robert D. Ferree	23 S. Elm Ave., Webster Groves, Mo.
9BDN	Julian A. Parvin	Avondale, Mo.	9BIF	Edwin F. Havens	1307 Des Moines St., Des Moines, Ia.
9BDO	Roland E. Grotzinger	101 W. Main St., Chilton, Wis.	9BIG	Robert Dunville	3144 S. Grand Ave., St. Louis, Mo.
9BDP	Vance Phillips	Missouri Military Academy, Mexico, Mo.	9BIH	Edward J. Haas	4934 Augusta St., Chicago, Ill.
9BDQ	Emmett E. Brown	Blockton, Iowa	9BII	Rudolph Bostleman	26 Elmwood Ave., LaGrange, Ill.
9BDR	H. M. Pirie	1317-1st Ave. N., Ft. Dodge, Iowa	9BIJ	Orin L. Denton	211 Foraday St., Peoria, Ill.
9BDS	Elmer P. Lind	213 S. Middle St., Cape Girardeau, Mo.	9BIK	Andrew G. Woolfries	141 Campus Ave., Ames, Iowa
9BDT	David W. Ferree	Main St., Sargent, Nebr.	9BIL	Russell A. Andrews	2345 Geddes Ave., Decatur, Ill.
9BDU	Henry C. Myers	1731 Washington St., Lincoln, Nebr.	9BIM	Harold R. Lisenby	411 W. Green St., Champaign, Ill.
9BDV	Faltine K. Billau	5855 Dewey Ave., Indianapolis, Ind.	9BIN	Joseph F. Schoffman	66 Lyndale Ave., Minneapolis, Minn.
9BDW	Andrew J. Brandell	3923 N. 17th St., Omaha, Nebr.	9BIO	Phillip B. Middleton	519 S. Eastern St., Eagle Grove, Iowa
9BDX	William C. Irwin	964 S. Sixth St., Louisville, Ky.	9BIP	William M. Stolle	Mokane, Mo.
9BDY	William P. Spain	3812 W. Ohio St., Chicago, Ill.	9BIQ	Frans Romadka	1403 W. Randolph St., Chicago, Ill.
9BDZ	Henry Stubenrauch, Jr.	3118 Park Ave., Kansas City, Mo.	9BIR	Robert E. Easton	2041 Lafayette St., Denver, Colo.
9BE	Malcolm H. Kromberg	6220 University Ave., Chicago, Ill.	9BIS	Charles Wood	639 15th Ave., Cedar Rapids, Iowa
9BEA	R. D. Wahlstrom	105 S. Babcock St., Urbana, Ill.	9BIT	Tom S. Clark	1280 Jasper St., Decatur, Ill.
9BEB	Linton H. Flocken	612 W. Illinois St., Urbana, Ill.	9BIU	Earl B. Sutherland	Route No. 1, Bainbridge, Ind.
9BEO	R. H. Miller	26 N. Anderson St., Aurora, Ill.	9BIV	Benjamin J. Palen	505 W. 5th St., Winona, Minn.
9BED	Leslie B. Essington	4412 Farin Ave., St. Louis, Mo.	9BIW	Leon E. Hammerly	404 E. 15th St., Kansas City, Mo.
9BEE	Forrest F. Spencer	219 Elm St., Mounds, Ill.	9BIX	Theodore C. Jacoby	801 W. Oakland St., Kirkwood, Mo.
9BEF	William Rundell	236 Wesley Ave., Oak Park, Ill.	9BIY	Harris H. Quick	830 Walnut St., Connersville, Ind.
9BEFQ	Ivan L. Ingraham	512 Third St., West Liberty, Iowa	9BIZ	Howard Powers	309 S. Pleasant St., Princeton, Ill.
9BEH	Chester E. Wolf	818 E. Burnett Ave., Louisville, Ky.	9BJ	Kenneth H. Goode	6227 Kimbark Ave., Chicago, Ill.
9BEI	Board of Education	Mason City, Iowa	9BJA	Merwyn H. Reed	1103 6th Ave., Sterling, Ill.
9BEJ	Raymond Kuhl	3124 Edgar St., Maplewood, Mo.	9BJB	Leon T. Noel	Tarkio, Mo.
9BEK	Thomas Dudman	281 Sumner St., Galesburg, Ill.	9BJC	John G. Carlisle	1308 Montgall Ave., Kansas City, Mo.
9BEL	Hiland B. Fillmore	386 Hendee St., Elgin, Ill.	9BJD	Carroll L. Duncan	1216 S. Lincoln St., Aberdeen, S. Dak.
9BELA	August R. Ryan	2347 S. 10th St., St. Louis, Mo.	9BJE	Alfred Baumgartner	Wartburg College, Clinton, Iowa
9BEN	Unassigned		9BJF	Northern Illinois Telephone Co.	213 Washington St., Mendota Ill.
9BEC	Russell H. Miller	Sheridan, Ill.	9BJG	H. Conrad Hoyer	R. F. D. 2, Box 39, Vermillion, S. D.
9BEP	John G. Princell	215 Birchwood Ave., Louisville, Ky.	9BJH	Thomas F. Drury	4221 Ridgeway Ave., Chicago, Ill.
9BEQ	Verner Rogers	3250 Bryant St., Denver, Colo.	9BJI	Fred L. Hicks	3935 W. 30th Ave., Denver, Colo.
9BER	Raymond O. Wise	2602 Lincoln Way, Ames, Iowa	9BJJ	Kenneth Mndrum	3208 S. Third Ave., Minneapolis, Minn.
9BES	Earl W. Springer	R. R. H., Box 364, Indianapolis, Ind.	9BJK	S. G. Ellis	625 Logan St., Denver, Colo.
9BET	Clayton M. Powell	1631 Nineteenth St., Boulder, Colo.	9BJL	David Middleton	5601 Lowell Ave., Indianapolis, Ind.
9BEU	Harold A. DePew	629 Market St., Iowa City, Iowa	9BJM	William H. Taussig	549 E. Argonne Drive, Kirkwood, Mo.
9BEV	Edgar O. Hansen	2168 Vinton St., Omaha, Nebr.	9BJN	Charles V. Dixon	411 Fannie Ave., Wichita, Kans.
9BEW	Edwin B. Streeter	211 Clark St., Mankato, Minn.	9BJO	Karl E. Wiese	R. F. D. No. 1, Lone Tree, Iowa
9BEX	Almon H. Coulter	1279 Marlon St., Denver, Colo.	9BJP	Paul Larson	2610 Polk St., Minneapolis, Minn.
9BEY	John L. Scroggin	Oak, Nebr.	9BJQ	Bertram S. Ellsworth	3830 Sheridan Blvd., Lincoln, Nebr.
9BEZ	Kenneth D. Fox	Dallas Center, Iowa	9BJR	Donald G. Lovelace	1465 Roosevelt Ave., Indianapolis, Ind.
9BF	Harry R. Ruesschau	3748 N. Clifton Ave., Chicago, Ill.	9BJS	Burt E. Moritz, Jr.	1664 Steele St., Denver, Colo.
9BFA	Joseph A. Hansman	1934 Lamt St., St. Louis, Mo.	9BJT	Harry M. McCormick	112 4th St., Streator, Ill.
9BFB	Marcus C. Osborn	1030 S. Eighth St., Lyons, Iowa	9BJU	A. J. Aleksonis	714 S. Victory St., Waukegan, Ill.
9BFC	Edmund C. Lipp	1018 Hillier Place, Racine, Wis.	9BJV	Raymond H. Hardenbergh	1017 N. Logan Ave., Minneapolis, Minn.
9BFD	J. H. Pendleton	633 Oakland Ave., Kansas City, Kans.	9BJW	Herbert W. Wengell	4816 N. 3d Ave., Omaha, Nebr.
9BFE	Laurence C. Hicks	1009 Grant St., Denver, Colo.	9BJX	Lloyd N. Wilhelm	4408 Farnum St., Omaha, Nebr.
9BFF	Lawrence F. Pelletier	2521 Ridgland Ave., Berwyn, Ill.	9BJY	C. G. Wagner	901 Mulberry St., Chicago, Ill.
9BFG	Robert H. Phillips	123 S. 4th St., Clear Lake, Iowa	9BJZ	Alfred H. Beech	240 E. Main St., Sleepy Eye, Minn.
9BFH	E. B. Robinson	26 N. Anderson St., Aurora, Ill.	9BK	Raymond F. Fowler	658 E. Armstrong St., Frankfort, Ind.
9BFI	Elroy Barnhart	617 N. First St., Aberdeen, S. Dak.	9BKA	Carl H. Phillips	1031 S. Emerson St., Denver, Colo.
9BFJ	James R. Frigon	834 S. Kenilworth Ave., Oak Park, Ill.	9BKB	Martin C. Rogers	23 18th Ave. N.E., No. St. Paul, Minn.
9BFK	Fred G. Harlow	2518 Magazine St., Louisville, Ky.	9BKC	Walter E. Zube	1208 S. Fifth St., LaCrosse, Wis.
9BFL	Ora J. Coppock	9 Court St., Tipton, Ind.	9BKD	F. J. Beck	Milbank, S. D.
9BFM	Gerald F. Hiday	1909 Helloway St., Indianapolis, Ind.	9BKE	Lorin C. Collins	4456 N. Monticello Ave., Chicago, Ill.
9BFN	Clifford McNally	1048 Hamilton Ave., Indianapolis, Ind.	9BKF	Thomas V. DeHaven	1114 S. Washington St., Denver, Colo.
9BFO	R. A. Braden	1814 E. First St., Duluth, Minn.	9BKG	E. W. Lewis	417 E. Carpenter St., Moberly, Mo.
9BFP	W. A. Mivelax	2218 Broadway, Louisville, Ky.	9BKH	Raymond Rathert	Cresco, Iowa
9BFQ	Gordon F. Laing	Courtenay, N. Dak.	9BKI	Arthur H. Chandler	506 S. Main St., Waupaca, Wis.
9BFR	James W. Van Schalk	Snlem, S. Dak.	9BKJ	John R. Morton	500 Lake Ave., White Bear Lake, Minn.
9BFS	Everett Trolander	4139 Pillsbury St., Minneapolis, Minn.	9BKK	Robert D. Baughman	711 E. 15th St., Kansas City, Mo.
9BFT	Ralph L. Hutchinson	815 Dayton Ave., St. Paul, Minn.	9BKL	Unassigned	
9BFU	George Ball	210 Kellogg Ave., Ames, Iowa	9BKM	Ralph W. George	1612 Arkansas Ave., Wichita, Kans.
9BFV	Oscar Horsteth	1521 Farnam St., LaCrosse, Wis.	9BKN	Miles S. Cooper	1713 Selby St., St. Paul, Minn.
9BFW	Francis P. Keegan	3323 "Q" St., Omaha, Nebr.	9BKO	Everett L. Dillard	300-A E. 33d St., Kansas City, Mo.
9BFX	Arthur J. Maus	2339 Cullom Ave., Chicago, Ill.	9BKP	Harold R. Dornquist	205 Front St., Owatonna, Minn.
9BFY	H. H. Kulick	525 W. 21st St., Connersville, Ind.	9BKQ	James M. Morris	115 Gaskins St., Harrisburg, Ill.
9BFZ	Jesse L. Worden	6918 Eggleston Ave., Chicago, Ill.	9BKR	Mile A. Podhorn	Box 85, Wood River, Ill.
			9BKS	Byron Carlisle	1308 Montgall Ave., Kansas City, Mo.



9BKT	Noel W. Harman	711 N. 28th St., Omaha, Nebr.	9BPM	Ben C. Shilling	Walton, Ind.
9BKJ	Sam F. Bowly	212 N. 10th St., LaCrosse, Wisc.	9BPN	Everett A. Reimers	661 McLean St., St. Paul, Minn.
9BKV	Alfred W. Kruse	R. F. D. No. 2, Alcester, S. Dak.	9BPO	James R. Burch	Waggoner, Ill.
9BKW	James A. Ostrand, Jr.	124 Arthur Av., S.E., Minneapolis, Minn.	9BPP	Unassigned	Box 232, Clifton, Ill.
9BKX	Victor H. Schleuder	605 S. Washington St., New Ulm, Minn.	9BPQ	Raymond Laurent	1030 Ridge Ave., Rockford, Ill.
9BKY	Herbert Graham	253 S. Locust St., Valparaiso, Ind.	9BPR	Wayne Wilson	1342 W. Pleasant St., Davenport, Iowa
9BKZ	Robert A. Wolfe	Park Ave., Bradford, Ill.	9BPS	Earl N. Schmor	6237 S. 18th Ave., Minneapolis, Minn.
9BL	R. F. Laidlaw	6110 S. Maplewood Ave., Chicago, Ill.	9BPT	Russell E. L. Peterson	2428 S. 42d St., Omaha, Nebr.
9BLA	David D. Jacobs	1012 W. Church St., Champaign, Ill.	9BPU	Eugene Nicholson	204 N. First St., Rockwell City, Iowa
9BLB	Virgil R. Ayer	4322 Virginia Ave., Rosedale, Kans.	9BPV	John R. Martin	2701 Western Ave., Mattoon, Ill.
9BLC	Leon M. Clearwaters	411 N. Salisbury St., W. Lafayette, Ind.	9BPW	John G. Waggoner	432 N. Park St., Lebanon, Ind.
9BLD	Fred W. Kinsey	McLean, Ill.	9BPX	Howard Harrison	Pillsbury Academy, Owatonna, Minn.
9BLE	Joseph C. Blair, Jr.	601 Michigan Ave., Urbana, Ill.	9BPY	Edward M. Van Duzee	347 Bond St., Covington, Ky.
9BLF	Harold R. Reiss	1545 25th St., Rock Island, Ill.	9BPZ	J. M. Brown	Logan, Iowa
9BLG	Karl Jansson	5868 Bartmer Ave., St. Louis, Mo.	9BQ	Bernard F. Hansen	757 Williams St., Denver, Colo.
9BLH	Russell C. Smart	164 Brown St., Columbus, Ind.	9BQA	Lee Ramsey, Jr.	815 Casspols St., Elkhart, Ind.
9BLI	Robert E. Stanton	227 Broadway, Denver, Colo.	9BQB	Robert H. Martin	770 Berrien St., Galesburg, Ill.
9BLJ	John E. Lett	1075 S. Emerson St., Denver, Colo.	9BQC	Charles L. Marvin	R. F. D. No. 2, Richmond, Ill.
9BLK	George R. Underwood	521 N. "L" St., College View, Nebr.	9BQD	Earl Hendrickson	614 Warren St., Davenport, Iowa
9BLL	Ogle L. Hull	707 S. Third St., Boonville, Ind.	9BQE	Walter H. Abraham	3112 Woolworth Ave., Omaha, Nebr.
9BLM	R. J. Lowden	New Southern Hotel, Muncie, Ind.	9BQF	Jack M. Hunt	705 Berlin St., Waupaca, Wisc.
9BLN	Clifford Rissman	4832 N. Sawyer Ave., Chicago, Ill.	9BQG	Kenneth E. Larson	406 N. Franklin St., Kirksville, Mo.
9BLO	Joseph R. Tate	Dorrisville, Ill.	9BQH	David A. Dreyer	604 Judson St., Evanston, Ill.
9BLP	Leonard P. Niessen	239 Percy St., Wauwatosa, Wis.	9BQI	Henry H. Taylor	801 S. Race St., Urbana, Ill.
9BLQ	Eugene F. Young	253 S. Webster St., Decatur, Ill.	9BQJ	Warren P. Knotts	408 W. Normal Ave., Fort Hays, Kans.
9BLR	Theodore A. Johnson	1018 Arkwright St., St. Paul, Minn.	9BQK	Lanning F. Rankin	408 W. Normal Ave., Fort Hays, Kans.
9BLS	Union High School	Madison Ave., Milton Junction, Wisc.	9BQL	James W. Haddock	Elm and 9th Sts., Hays, Kans.
9BLT	Lawrence B. Smith	184 N. 7th St., Osage, Iowa	9BQM	David M. Hedlund	Mudrid, Iowa
9BLU	Thomas B. Gibbs	255 Pearl St., Winchester, Ill.	9BQN	Edgar M. Darby	Russell, Kans.
9BLV	Harry L. Franc, Jr.	5414 Delmar Blvd., St. Louis, Mo.	9BQO	C. H. Shenberger	123 S. State St., Marengo, Ill.
9BLW	Jack Jones	R. F. D. No. 2, Liberty, Mo.	9BQP	Jack Parham	Hickman, Ky.
9BLX	Edward C. Meinholtz	9812 Green Ave., St. Louis, Mo.	9BQQ	Delmar H. Hiebert	4508 York Ave., Minneapolis, Minn.
9BLY	Lloyd K. Smith	1714 Plymouth St., Minneapolis, Minn.	9BQR	Harold K. Fisher	1801 Mulberry St., Muncie, Ind.
9BLZ	A. H. Carlson	1220 S. 22d St., Fort Dodge, Iowa	9BQS	A. J. Graves	709 Douglas St., Ames, Iowa
9BM	Unassigned	2815 Central Ave., Minneapolis, Minn.	9BQT	William C. Craner	841 Wellington St., Chicago, Ill.
9BMA	William G. Peaslee	103 N. 14th St., Richmond, Ind.	9BQU	Frank A. Miller	616 Lincoln Ave., St. Paul, Minn.
9BMB	William Huber	Box 402, Hopkins, Minn.	9BQV	Ralph C. Stoble	2248A S. Grand Ave., St. Louis, Mo.
9BMC	Charles Wise	124 13th St., Milwaukee, Wisc.	9BQW	Orval Whisman	1216 Preston St., Rockford, Ill.
9BMD	Hobart B. Stover	21 S. 14th St., Kansas City, Kans.	9BQX	John H. DuBois	1016 26th Ave. S.E., Minneapolis, Minn.
9BME	Jacob F. Hudlow	6 W. Delaware St., Knox, Ind.	9BQY	Paul A. Masters	210 S. 9th St., Fargo, N. Dak.
9BMF	W. Monfort Barr	1313 21st St., Des Moines, Iowa	9BQZ	Lucy V. Wilson	327 W. Second St., Ottumwa, Iowa
9BMG	Robert C. Sallenback	4308 University Ave., Des Moines, Ia.	9BR	Verner Bolin	3212 Marcy St., Omaha, Nebr.
9BMH	Maurice Fletcher	4308 University Ave., Des Moines, Ia.	9BRA	Stuart D. Clayton	159 E. 11th St., Chicago, Ill.
9BMI	Unassigned	R.F.D. No. 2, Cottonwood, Minn.	9BRB	Albert C. Baldwin	Crete, Nebr.
9BMJ	Theodore Graffunder	4000 Hartford St., St. Louis, Mo.	9BRC	Carl E. Swanson	1176 Lincoln Ave., St. Paul, Minn.
9BMK	George A. Renard	6154 S. Ashland Ave., Chicago, Ill.	9BRD	Henry C. Harvey	R. F. D. No. 4, Harvard, Ill.
9BML	Charles Jun	Winnepago, Minn.	9BRE	Alexander Maxwell	C-1, Park Apartments, Evanston, Ill.
9BMM	Edward F. Fakter	Y. M. C. A., Sedalla, Mo.	9BRF	Harold E. Smithson	628 10th Ave., Fargo, N. Dak.
9BMN	David T. Ferrier	High School, Grove St., Owatonna, Minn.	9BRG	Clair Leroy Stong	36 S. First St., Minneapolis, Minn.
9BMO	Frederick D. Joesting	4324 Colfax St., Minneapolis, Minn.	9BRH	John W. Schelen	1031 Case St., St. Paul, Minn.
9BMP	Glenn Jacobs	1210 Somerville Ave., Menominee, Mich.	9BRI	Ellison D. Lynn	Winnier, S. Dak.
9BMQ	Otto Jilek	316 N. 9th St., Breckenridge, Minn.	9BRJ	Rudolph Olson	Sharon, N. Dak.
9BMR	Florentine Rettig	Aurora, Nebr.	9BRK	Homar E. Ogden	1518 Spring St., Jeffersonville, Ind.
9BMS	Ashley Williams	Spring Grove, Minn.	9BRL	Lyman E. Webb	420 E. Main St., New Albany, Ind.
9BMT	Albert E. Vick	300 Huron Ave., Sheboygan, Wisc.	9BRM	R.lph Reed	315 Fifth St. S.E., Watertown, S. Dak.
9BMU	Willis W. Wick	Humboldt & Augusta St., St. Paul, Minn.	9BRN	William H. Myers	91 Douglas St., Hammond, Ind.
9BMV	Lennar R. Moeller	204 S. 9th St., Independence, Kans.	9BRO	Lewis Hickox	2123 E. State St., Rockford, Ill.
9BMW	H. L. Palmer	782 Cramer St., Milwaukee, Wisc.	9BRP	Howard E. Jennings	2312 Western Ave., Mattoon, Ill.
9BMX	Charles E. Knudsen	1437 Wisconsin St., Racine, Wisc.	9BRQ	Thadus E. Russell	Amity, Mo.
9BMY	Clement R. Robinson	1050 Buena Ave., Chicago, Ill.	9BRR	John A. Scorpil	R. F. D. No. 1, Fairfax, Iowa
9BMZ	Gerrest R. Marsh	1050 Buena Ave., Chicago, Ill.	9BRS	Jack H. Duncan	1357 E. 13th St., Des Moines, Iowa
9BN	Marcus Green	335 S. Taylor Ave., Oak Park, Ill.	9BRT	Ernest P. Buresh	R. F. D. No. 1, Fairfax, Iowa
9BNA	Harvey H. Dozols	590 Farwell Ave., Milwaukee, Wisc.	9BRU	Arthur C. Klust	1835 Quincy St., Minneapolis, Minn.
9BNE	George J. Mueller	1306 E. 19th St., Indianapolis, Ind.	9BRV	Donald Manshardt	16 Wright St., Naperville, Ill.
9BNC	Emil Bray	8127 S. 4th Ave., Minneapolis, Minn.	9BRW	James A. McBrien	304 Edwardsville St., Staunton, Ill.
9BND	Don R. Sell	218 1/2 First St., Columbus Jct., Ia.	9BRX	Emerson Squires	525 Wesley St., Wheaton, Ill.
9BNE	Karl-Fone Sales Co.	401 Manchester Ave., Maplewood, Mo.	9BRY	Robert D. Bell	620 Lexington St., Newport, Ky.
9BNF	Edward A. Schweigmann	Swanson and Kenyon Sts., Noringer, Mo.	9BRZ	Bertha Barr	427 N. Lott St., Gibson City, Kans.
9BNG	Cyrus R. Trullitt	1000 S. Phillips Ave., Sioux Falls, S.D.	9BS	Arthur Sanjal	1441 Plaisance Ct., Chicago, Ill.
9BNH	Charles Christopherson	2611 S. 3d Ave., Minneapolis, Minn.	9BSA	Otto A. Schmotz	R. R. No. 2, Bonner Springs, Kans.
9BNI	William R. Beamish	1119 N. 8th St., Independence, Kans.	9BSB	Russell S. Bledsoe	Elden, Ill.
9BNJ	Robert E. Flint	744 S. Blaisdell Av., Minneapolis, Minn.	9BSC	William R. Tydemann	814 Columbus St., Ottawa, Ill.
9BNK	Harrison W. McKenzie	2635 Sutton St., Maplewood, Mo.	9BSD	Harry Kazen	11247 Eggleston Ave., Chicago, Ill.
9BNL	Orcun K. Timm	352 19th St., Milwaukee, Wisc.	9BSE	Adolph Samuels	222 Woodbine Ave., Wilmette, Ill.
9BNM	Alfred G. Diehl	Rockford High Sch. Wireless Club, Rockford, Ill.	9BSF	Henry Bosch	4827 Ellis Ave., Chicago, Ill.
9BNN	William E. Johnson	315 N. Morgan St., Slater, Mo.	9BSG	Anthony Paone	606 S. E. First St., Des Moines, Iowa
9BNO	W. G. Elle	6607 Minnesota St., St. Louis, Mo.	9BSH	Albert B. Jordan	1014 G'd Hope St., Cape Girardeau, Mo.
9BNP	Theron A. Green	126 N. Main St., Sycamore, Ill.	9BSI	Paul Peltzman	415 Olive St., Kansas City, Mo.
9BNQ	Kenneth Blakely	R. R. No. 3, Greentown, Ind.	9BSJ	Ernest D. Ponzer	Main St., LaMoille, Ill.
9BNR	Laurence E. Tyrrell	1512 E. 5th, Muscatine, Iowa	9BSK	George C. Adams	Sebree, Ky.
9BNS	Earl Atkison	208 N. Locust St., Pana, Ill.	9BSL	S. H. Burke	5727 S. Sawyer Ave., Chicago, Ill.
9BNT	Bro. of St. Andrew	318 E. First Ave., Oskaolosa, Iowa	9BSM	Milo D. Grinnell	321 Adams St., Monroe, Wisc.
9BNU	Frederic O. Hall	107 S. 6th Ave., Canton, Ill.	9BSN	L. H. Howard, Jr.	409 Third St., Fulton, Ky.
9BNV	Boone National Bank	812 Eighth St., Boone, Iowa	9BSO	Gus G. Stark	527 Taylor St., Shelbyville, Ind.
9BNW	Henry J. Engleman	Orange City, Iowa	9BSP	Albert E. Mickel	308 First St., Marshalltown, Iowa
9BNX	John Ruffner	1312 Willow Ave., Louisville, Ky.	9BSQ	Leonard Hayes	715 32d St., Lincoln, Nebr.
9BNY	Leo B. Welch	115 West St., Waukegan, Ill.	9BSR	James S. Overly	Russell, Kans.
9B0	Paul R. Mangus	North Liberty, Ind.	9BST	John E. Van Tuyl	Com'l Sav. Bank Bldg., Monroe, Wisc.
9BOA	Louis C. Stroh	706 Constitution St., Emporia, Kans.	9BSU	G. E. Nicholson	1509 E. 13th St., Des Moines, Iowa
9BOB	Eugene Young, Jr.	2290 Commonwh Ave., St. Paul, Minn.	9BSV	Darwin H. Marker	1420 Gum St., Evansville, Ind.
9BOC	Cecil C. Clark	624 Tonawanda St., Rockwell City, Ia.	9BSW	Ralph R. Fowler	603 W. 27th St., Kearney, Nebr.
9BOD	Edward J. Borkman	963 Tuxedo St., Indianapolis, Ind.	9BSX	Byron B. Jeffrey	610 S. First Ave., Ft. Dodge, Iowa
9BOE	Bowen C. Huckleberry, Jr.	511 N. East St., Lebanon, Ind.	9BSY	Rollin H. Stewart	State St., West Lafayette, Ind.
9BOF	Adolph L. Sabs	Salem, S. Dak.	9BSZ	Donald D. Usher	3519 University Ave., Des Moines, Iowa
9BOG	Glen A. Case	3817 Carpenter St., Des Moines, Iowa	9BT	Cancelled	
9BOH	Charles D. Lawton	216 Cooper Ave., Hancock, Mich.	9BTA	John M. Pearce	14 Van Buren St., Ottawa, Ill.
9BOI	Harris A. Smith	Blockton, Iowa	9BTB	Tesia Marconi Club	68th and Nat'l Aves., West Allis, Wisc.
9BOJ	James C. Hyde	103 E. Hyde Park Ave., St. Joseph, Mo.	9BTC	Albert R. St. Cvr	335 Harrison St., Marquette, Mich.
9BOK	Thomas G. Brown	1203 E. First St., Duluth, Minn.	9BTD	Henry Levy	6729 Bosworth Ave., Chicago, Ill.
9BOL	Robert L. McIlvaine	204 S. Goodwin Ave., Urbana, Ill.	9BTE	John V. Hoffacker	9625 Prospect Ave., Chicago, Ill.
9BOM	Orrie F. Sayles	R. F. D. No. 2, Richmond, Ill.	9BTF	Robert J. Finne	2424 Burling St., Chicago, Ill.
9BON	Clarence H. Brown	255 Main St., Valparaiso, Ind.	9BTF	Arthur W. Swerine	Mahomen, Minn.
9BOO	J. B. Wisenall	1220 Highway Corinton, Ky.	9BTG	Joseph Truman Hazen	627 Fillmore St., Topeka, Kans.
9BOP	Theodore N. Rosser	615 E. Pike St., Crawfordville, Ind.	9BTH	George R. Metcalf	520 Grand Ave., St. Paul, Minn.
9BOQ	N. Giffard Garner	211 E. Front St., Blair, Nebr.	9BTJ	Stebio F. Tebben	722 3d St., Rochelle, Ill.
9BOR	Noel J. Lawson	1202 Third Ave., Aberdeen, S. Dak.	9BTK	Theodore W. Joslyn	309 California St., Sycamore, Ill.
9BOS	Donald Stacy	Walnut and Sixth Sts., Osage, Iowa	9BTL	George I. Chatfield	1015 Thomas Ave., Minneapolis, Minn.
9BOT	Leo Kemmeter	912 Racine St., Jefferson, Wisc.	9BTM	Eugene Hill	534 E. Chestnut St., Canton, Ill.
9BOU	James Eng	250 Illinois St., Chicago, Ill.	9BTN	Louis Philip Welner	401 E. 4th St., Blecknell, Ind.
9BOV	Merrill J. Swanson	417 S. 11th St., Minneapolis, Minn.	9BTO	Gustave W. Kormemann	3335 Madison St., Denver, Colo.
9BOW	Charles A. Swartz	204 East 5th St., Concordia, Kans.	9BTP	Helen Clare Long	121 Washington St., Champaign, Ill.
9BOX	Morgan L. Weed	115 W. Fulton St., Waupaca, Wisc.	9BTP	Karl W. Miller	Box 12 Millbank, S. Dak.
9BOY	Erwin C. Knight	Chain O Lakes R. 1, Waupaca, Wisc.	9BTR	Clyde A. Hummel	600 E. Chestnut St., Canton, Ill.
9BOZ	John K. Lowe	3038 Montgall St., Kansas City, Mo.	9BTS	Elbridge G. Brown	1424 Pine St., Boulder, Colo.
9BP	Esterly C. Page	725 Noyes St., Evanston, Ill.	9BTU	Lewis J. McKesson	Box 285, Excelsior, Minn.
9BPA	Kenneth Lee Storch	Becher, Ill.	9BTU	William J. Casey	5222 Minerva Ave., St. Louis, Mo.
9BPB	Homer Ingram	1430 E. 17th St., Omaha, Nebr.	9BTU	Alex Quirk	R. R. No. 3, Livia, Ky.
9BPC	Victor H. Kansier	Citizens Bank Bldg., Reedsburg, Wisc.	9BTW	North High School	Fremont Aves., Minneapolis, Minn.
9BPD	Darwin B. Apple	Main St., Walkerton, Ind.	9BTX	Gerald F. Smith	Akron, Iowa
9BPE	Franklin Wingard	635 W. 81st St., Chicago, Ill.	9BTY	Lamber G. Lynn	217 Selma Ave., Webster Groves, Mo.
9BPF	Walter C. Bucks	Elmwood, Kendallville, Ind.	9BTZ	Peter Keizer	2647 Southport Ave., Chicago, Ill.
9BPG	C. S. Dargy	4641-D Lake Park Ave., Chicago, Ill.	9BU	LeRoy A. Cleveland	374 Farwell Ave., Milwaukee, Wisc.
9BPH	Kernit C. Erickson	2641 Piere St., Minneapolis, Minn.	9BUB	Patrick Horn	North Liberty, Ind.
9BPI	Pearl Munden	708 W. Jackson St., Centerville Iowa	9BUC	Joseph B. Wagner	Main St., Warroad, Minn.
9BPJ	Kenneth N. Mott	208 N. 21st St., Richmond, Ind.	9BUD	Roy H. Browning	5735 Bartmer Ave., St. Louis, Mo.
9BPK	Barrell Holt	1345 Pennsylvania St., Lawrence, Kans.	9BUE	Leslie E. Crossman	Ogden, Iowa
9BPL	Albert C. Jorgensen	R.F.D. No. 1, Box 14, Waupaca, Wis.	9BUE	William H. Bussey	3721 S. Colfax Ave., Minneapolis, Minn.
			9BUE	Leo Weller	810 N. Minnesota Ave., Hastings, Nebr.

9BBG	Unassigned	
9BBH	Unassigned	
9BBI	Albert Kahn	1069 Riverside Drive, South Bend, Ind.
9BBJ	James K. Freyermuth	615 Lincoln Way, E., South Bend, Ind.
9BBK	Unassigned	
9BBL	Ralph Schwartz	616 Montgomery St., Shelbyville, Ind.
9BBM	Unassigned	
9BBN	Unassigned	
9BBO	Kermit R. McDermitt	1227 Center St., Milwaukee, Wis.
9BBP	Unassigned	
9BBQ	Stephe J. Holland	101 Lincoln Way, W., South Bend, Ind.
9BBR	Joseph A. Brence	920 Adams St., Waukegan, Ill.
9BBS	Anton Mix	910 Adams St., Waukegan, Ill.
9BBT	Unassigned	
9BBU	Unassigned	
9BBV	Unassigned	
9BBW	Unassigned	
9BBX	Unassigned	
9BBY	Unassigned	
9BBZ	Leslie Harlan	Hillsboro, Iowa
9BC	Robert K. Karlowa	813 E. 29th St., Davenport, Iowa
9BCA	John C. Kuesport	602 E. Haney Ave., South Bend Ind.
9BCB	Roland G. Palmer	144 E. 16th St., Chicago Heights, Ill.
9BCC	Dwight J. Stebbins	114 W. 10th St. (114) Morris, Minn.
9BCD	Bendix J. Studeman	802 S. 6th St., Lyons, Iowa
9BCE	Monroe C. Slesny, Jr.	411 Sycamore St., Carbondale, Ill.
9BCF	Elmer A. Gunther	514 S. 11th Ave., Fort Dodge, Iowa
9BCG	Unassigned	
9BCH	Erwin A. Rasmussen	205 N. Park Ave., Oshkosh, Wis.
9BCI	Arnold T. Teeter	Hillsboro, Iowa
9BCJ	Charles C. Messman	728 Atlanta Ave., Webster Groves, Mo.
9BCK	William Crowley, Jr.	800 Grand Ave., Menominee, Mich.
9BCL	Richard F. Conner	520 E. Elm St., New Albany, Ind.
9BCM	Robert H. Smith	418 1/2 St., Ames, Iowa
9BCN	Charles L. Valley	1100 Irving Place, Racine, Wis.
9BCO	Eric William Johnson	Maysville, Mo.
9BCP	John Alden Pfau	222 Clark St., Mankato, Minn.
9BCQ	Osman Y. Starner	1009 Fayette Ave., Effingham, Ill.
9BCR	Unassigned	
9BCS	Frank E. Bollom, Jr.	1010 Washington Ave., Racine, Wis.
9BCT	Clifford J. Kriegl	1538 W. Vermont St., Indianapolis, Ind.
9BCU	Unassigned	
9BCV	Joyce E. Prather	100 Oak St., Mounds, Ill.
9BCW	J. A. Slusser	4211 Bryant St., Denver, Colo.
9BCX	O. F. Kirchner	1326 Main St., Keokuk, Iowa
9BCY	Martus Plumly	West Liberty, Iowa
9BCZ	Anton Tomasek	1322 Lami St., St. Louis, Mo.
9BD	Dwight A. Myer	2614 E. 74th Place, Chicago, Ill.
9BDA	Leikh Meryl Matthews	McClure, Ill.
9BDB	Gerard Harrington	202 N. 16th St., Richmond, Ind.
9BDC	Carl E. Johnson	503 Seventh Ave., S., Wausau, Wis.
9BDD	William Crouch	703 E. Broadway, Waukesha, Wis.
9BDE	Charles E. Wetzel	R. F. D. No. 13, Jeffersonville, Ky.
9BDF	Henry W. Hoffman	1826 N. Peoria St., Peru, Ill.
9BDG	Unassigned	
9BDH	Frank Kester	Elk Point, S. Dak.
9BDI	Unassigned	
9BDJ	Unassigned	
9BDK	Lumir Dytrt	1707 "C" St., Cedar Rapids, Iowa
9BDL	Kendall M. North	5634 Winthrop Ave., Chicago, Ill.
9BDM	Robert L. Bunch	519 N. Monroe St., Decatur, Ill.
9BDN	Jullan A. Parvin	Arondale, Mo.
9BDO	Roland E. Grotzinger	101 W. Main St., Chilton, Wis.
9BDP	Vance Phillips	Missouri Military Academy, Mexico, Mo.
9BDQ	Emmett E. Brown	Blockton, Iowa
9BDR	H. M. Pirie	1317-1st Ave. N., Ft. Dodge, Iowa
9BDS	Elmer P. Lind	213 S. Middle St., Cape Girardeau, Mo.
9BDT	David W. Ferree	Main St., Sargent, Nebr.
9BDU	Henry C. Myers	1731 Washington St., Lincoln, Nebr.
9BDV	Faltime K. Billau	5855 Dewey Ave., Indianapolis, Ind.
9BDW	Andrew J. Brandell	3923 N. 17th St., Omaha, Nebr.
9BDX	William C. Irwin	964 S. Sixth St., Louisville, Ky.
9BDY	William P. Spain	3812 W. Ohio St., Chicago, Ill.
9BDZ	Henry Stubenrauch, Jr.	3118 Park Ave., Kansas City, Mo.
9BE	Maieolum H. Romberg	6220 University Ave., Chicago, Ill.
9BEA	R. D. Wahlstrom	105 S. Babcock St., Urbana, Ill.
9BEB	Linton H. Flocken	612 W. Illinois St., Urbana, Ill.
9BEO	R. H. Miller	26 N. Anderson St., Aurora, Ill.
9BED	Leslie B. Essington	4412 Farlin Ave., St. Louis, Mo.
9BEE	Forrest F. Spencer	219 Elm St., Mounds, Ill.
9BEF	William Rundell	238 Wesley Ave., Oak Park, Ill.
9BEH	Ivan L. Ingraham	512 Third St., West Liberty, Iowa
9BEI	Chester E. Wolf	818 E. Burnett Ave., Louisville, Ky.
9BEJ	Board of Education	Mason City, Iowa
9BEK	Raymond Kohl	3124 Edgar St., Maplewood, Mo.
9BEL	Thomas Dudman	281 Sumner St., Galesburg, Ill.
9BEM	Hiland B. Fillmore	386 Hendee St., Elgin, Ill.
9BEN	August R. Ryan	2347 S. 10th St., St. Louis, Mo.
9BEF	Unassigned	
9BEC	Russell H. Miller	Sheridan, Ill.
9BEP	John G. Princell	215 Birchwood Ave., Louisville, Ky.
9BEQ	Verner Rogers	3250 Bryant St., Denver, Colo.
9BER	Raymond O. Wise	2602 Lincoln Way, Ames, Iowa
9BES	Earl W. Springer	R. R. H., Box 364, Indianapolis, Ind.
9BET	Clayton M. Powell	1631 Nineteenth St., Boulder, Colo.
9BEU	Harold A. DePew	529 Market St., Iowa City, Iowa
9BEV	Edgar O. Hansen	2168 Vinton St., Omaha, Nebr.
9BEW	Edwin B. Streeter	211 Clark St., Mankato, Minn.
9BEX	Almon H. Coulter	1279 Marlon St., Denver, Colo.
9BEY	John L. Scroggin	Oak, Nebr.
9BEZ	Kenneth D. Fox	Dallas Center, Iowa
9BF	Harry R. Rueschau	3748 N. Clifton Ave., Chicago, Ill.
9BFA	Joseph A. Hansman	1834 Lami St., St. Louis, Mo.
9BFB	Marcus C. Osborn	1930 S. Eighth St., Lyons, Iowa
9BFC	Edmund C. Lipp	1018 Hilker Place, Racine, Wis.
9BFD	J. H. Pendleton	633 Oakland Ave., Kansas City, Kans.
9BFE	Laurence C. Hicks	1000 Grant St., Denver, Colo.
9BFF	Lawrence F. Peitler	2521 Ridgland Ave., Berwyn, Ill.
9BFG	Robert H. Phillips	123 S. 4th St., Clear Lake, Iowa
9BFH	E. B. Robinson	26 N. Anderson St., Aurora, Ill.
9BFI	Elroy Barnhart	617 N. First St., Aberdeen, S. Dak.
9BFJ	James R. Frigon	834 S. Kenilworth Ave., Oak Park, Ill.
9BFK	Fred G. Harlow	2518 Magazine St., Louisville, Ky.
9BFL	Ora J. Coppock	9 Jour St., Tipton, Ind.
9BFM	Gerald F. Hiday	1909 Holloway St., Indianapolis, Ind.
9BFN	Clifford McNally	1048 Hamilton Ave., Indianapolis, Ind.
9BFO	R. A. Braden	1814 E. First St., Duluth, Minn.
9BFP	W. A. Mirelas	2218 Broadway, Louisville, Ky.
9BFQ	Gordon F. Laing	Courtenay, N. Dak.
9BFR	James W. Van Schalk	Salem, S. Dak.
9BFS	Everett Trolander	4139 Pillsbury St., Minneapolis, Minn.
9BFT	Ralph L. Hutchinson	315 Dayton Ave., St. Paul, Minn.
9BFU	George Ball	20 Kellogg Ave., Ames, Iowa
9BFV	Oscar Horsteth	1521 Farnam St., LaCrosse, Wis.
9BFW	Francis P. Keegan	3323 "Q" St., Omaha, Nebr.
9BFX	Arthur J. Maus	2339 Cullom Ave., Chicago, Ill.
9BFY	H. H. Kulick	525 W. 21st St., Connersville, Ind.
9BFZ	Jesse L. Worden	6916 Eggleston Ave., Chicago, Ill.
9BG	Wendell L. Holst	3619 N. St. Louis Ave., Chicago, Ill.
9BGA	Edwin E. Morgan	648 Adams St., Oak Park, Ill.
9BGB	Herman A. Bahr	543 18th St., Oshkosh, Wis.
9BGC	Theodore G. Vaky	212 Columbia Ave., Champaign, Ill.
9BGD	Irving H. Cohen	214 E. 6th St., Chicago, Ill.
9BGE	Sterling Electric Co.	33 S. Fifth St., Minneapolis, Minn.
9BGF	Edward H. Cook	1010 W. Wayne St., Ft. Wayne, Ind.
9BGG	Sylvester B. Parr	2119 Lathrop St., Omaha, Nebr.
9BGH	Jerry P. Gillett	R. R. No. 2, Rippey, Iowa
9BGI	Evron M. Christeson	718 S. First St., Eagle Grove, Iowa
9BGJ	Gustaf A. Gummeson	503 Third St., Clinton, Iowa
9BGK	Richard L. Duncan	Hancock, Minn.
9BGL	Durant T. Rice	321 S. 35th Ave., Omaha, Nebr.
9BGM	Dave C. Filtz	Dallas Center, Iowa
9BGN	Kenneth Van Atta	West Liberty, Iowa
9BGO	Richard C. Lindsey	5012 Washburn Ave., Minneapolis, Minn.
9BGP	Orville Crawley	Danville, Ind.
9BQQ	Albert J. Schroder	61 W. 112th St., Chicago, Ill.
9BGR	William Trelease, Jr.	804 S. Lincoln Ave., Urbana, Ill.
9BGS	Lawrence E. Baker	Fairfax, Mo.
9BGT	Paul Loyet	R. 1 Jersey Ridge Rd., Davenport, Iowa
9BGU	Arthur Rekenhaier	622 21st St., Milwaukee, Wis.
9BGV	Ray M. Harding	864 20th St., Des Moines, Iowa
9BGW	Ernest Grey	1234 W. 38th St., Indianapolis, Ind.
9BGX	Oscar F. Bieckert	612 S. 8th St., Aberdeen, S. Dak.
9BGY	William N. Sweetland	106 N. Bradley St., Indianapolis, Ind.
9BGZ	Paul I. Welger	413 W. 8th St., Cresco, Iowa
9BH	Fred Groppe	2713 N. Racine Ave., Chicago, Ill.
9BHA	George G. Kibbee	Forest City, Iowa
9BHB	Herbert A. Lynes	908 Nichols St., Fulton, Mo.
9BHC	Herman D. Elledge	Cincinnati, Iowa
9BHD	Robert C. Kane	Warren, Ill.
9BHE	Ralph E. Turner	419 Cottage Ave., Glen Ellyn, Ill.
9BHF	Verdon Stones	571 Harper St., St. Louis, Mo.
9BHG	Warrick Amerson	2221 Dayton St., Chicago, Ill.
9BHH	Unassigned	
9BHI	Julius C. Claas	3531 Junata St., St. Louis, Mo.
9BHJ	Frederick Gieber	702 W. 8th St., Coffeyville, Kans.
9BHK	A. Foster Sheller	Dallas Center, Iowa
9BHL	Lawrence Topp	1033 N. Lawndale Ave., Chicago, Ill.
9BHM	Truman Van Norman	R. F. D. 3, Box 109, Naperville, Ill.
9BHN	George D. Wilson	411 Osage St., Leavenworth, Kans.
9BHO	Reuben Schultz	R. No. 3, Box 109, Naperville, Ill.
9BHP	William C. Bliss	4929 Lotus Ave., St. Louis, Mo.
9BHQ	Dallas W. Jansen	719 Oneda St., Appleton, Wis.
9BHR	Leo A. Coash	694 Kimball St., Danville, Ill.
9BHS	Arthur M. Bullock	3600 Gladstone Blvd., Kansas City, Mo.
9BHT	Mark Waggoner	Waggoner, Ill.
9BHU	Edward Thrash	713 S. Elm St., Champaign, Ill.
9BHV	Robert B. Magor	106 S. Madison Ave., LaGrange, Ill.
9BHW	Robert Pogue	367 W. Main St., Danville, Ind.
9BHX	Erick Winter	1538 Marietta St., Decatur, Ill.
9BHY	Lane M. Axtell	119 N. 32d Ave., Omaha, Nebr.
9BHZ	Roy E. Olmstead	Wauneta, Nebr.
9BI	Waldo E. Lisle	6507 Stewart Ave., Chicago, Ill.
9BIA	Carl A. Berkore	403 Carney Blvd., Marinette, Wis.
9BIB	Harold J. Pansch	1237 Blaine Ave., Racine, Wis.
9BIC	Raymond A. Hunert	Minonk, Ill.
9BID	Elvis G. Foley	Fairfax, Mo.
9BIE	Robert D. Ferree	23 S. Elm Ave., Webster Groves, Mo.
9BIF	Edwin F. Havens	1307 Des Moines St., Des Moines, Ia.
9BIG	Robert Dunville	3144 S. Grand Ave., St. Louis, Mo.
9BIH	Edward J. Haas	4934 Augusta St., Chicago, Ill.
9BII	Rudolph Bostleman	26 Elmwood Ave., LaGrange, Ill.
9BIJ	Orin L. Denton	211 Foraday St., Peoria, Ill.
9BIK	Andrew G. Woolfries	141 Campus Ave., Ames, Iowa
9BIL	Russell A. Andrews	2345 Geddes Ave., Decatur, Ill.
9BIM	Harold R. Lisenby	411 W. Green St., Champaign, Ill.
9BIN	Joseph F. Schoffman	66 Lyndale Ave., Minneapolis, Minn.
9BIO	Philip B. Middleton	519 S. Eastern St., Eagle Grove, Iowa
9BIQ	William M. Stolle	Mokane, Mo.
9BIR	Frank Romadka	1403 W. Randolph St., Chicago, Ill.
9BIS	Robert E. Easton	2041 Lafayette St., Denver, Colo.
9BIT	Charles Wood	639 15th Ave., Cedar Rapids, Iowa
9BIU	Tom S. Clark	1260 Jasper St., Decatur, Ill.
9BIW	Earl B. Sutherland	Route No. 1, Bainbridge, Ind.
9BIY	Benjamin J. Paen	505 W. 5th St., Wlona, Minn.
9BIZ	Leon E. Hammerly	404 E. 15th St., Kansas City, Mo.
9BJ	Theodore C. Jacoby	801 W. Oakland St., Kirkwood, Mo.
9BJA	Harris H. Quick	830 Walnut St., Connersville, Ind.
9BJB	Howard Powers	309 S. Pleasant St., Princeton, Ill.
9BJC	Kenneth H. Goode	6227 Kimbark Ave., Chicago, Ill.
9BJD	Mervyn H. Reed	1133 6th Ave., Sterling, Ill.
9BJE	Leon T. Noel	Tarkio, Mo.
9BJF	John G. Carlisle	1308 Montgall Ave., Kansas City, Mo.
9BJG	Carl L. Duncan	121 S. Lincoln St., Aberdeen, S. Dak.
9BJH	Alfred Baumgartner	213 Washington St., Mendota, Ill.
9BJI	Northern Illinois Telephone Co.	R. F. D. 2, Box 89, Vermilion, S. D.
9BJJ	H. Conrad Hoyer	R. F. D. 2, Box 89, Vermilion, S. D.
9BJK	Thomas F. Drury	4221 Ridgeway Ave., Chicago, Ill.
9BJL	Fred L. Hicks	3935 W. 30th Ave., Denver, Colo.
9BJM	Kenneth Mindrum	3208 S. Third Ave., Minneapolis, Minn.
9BJN	S. G. Ellis	625 Logan St., Denver, Colo.
9BJO	David Middleton	6601 Lowell Ave., Indianapolis, Ind.
9BJP	William H. Taussig	549 E. Argonne Drive, Klrkwood, Mo.
9BJQ	Charles V. Dixon	411 Fannie Ave., Wichita, Kans.
9BJR	Karl E. Wiese	R. F. D. No. 1, Lone Tree, Iowa
9BJS	Paul Larson	2610 Polk St., Minneapolis, Minn.
9BJT	Bertram S. Ellsworth	3330 Sheridan Blvd., Lincoln, Nebr.
9BJU	Donald G. Lovelace	1465 Roosevelt Ave., Indianapolis, Ind.
9BJV	Burt E. Moltz, Jr.	1664 Steele St., Denver, Colo.
9BJW	Harry M. McCormick	112 4th St., Strator, Ill.
9BJX	A. J. Aleksionis	714 S. Victory St., Waukegan, Ill.
9BJY	Raymond H. Hardenbergh	1017 N. Logan Ave., Minneapolis, Minn.
9BJZ	Herbert W. Wengell	4816 N. 3d Ave., Omaha, Nebr.
9BK	Lloyd N. Wilhelm	4408 Farnum St., Omaha, Nebr.
9BKA	C. G. Wagner	901 Mulberry St., Chicago, Ill.
9BKB	Alfred H. Beech	240 E. Main St., Sleepy Eye, Minn.
9BKC	Raymond F. Fowler	658 E. Armstrong St., Frankfort, Ind.
9BKD	Carl H. Phillips	1031 S. Emerson St., Denver, Colo.
9BKE	Marrin C. Rogers	23 18th Ave. N.E., No. St. Paul, Minn.
9BKD	Walter E. Zube	1208 S. Fifth St., LaCrosse, Wis.
9BKE	F. J. Beck	1664 Steele St., Denver, Colo.
9BKF	Lorin C. Collins	4458 N. Monticello Ave., Chicago, Ill.
9BKG	Thomas V. DeHaven	1114 S. Washington St., Denver, Colo.
9BKH	E. W. Lewis	417 E. Carpenter St., Moberly, Mo.
9BKJ	Raymond Rathert	Cresco, Iowa
9BKI	Arthur H. Chandler	506 S. Main St., Waupaca, Wis.
9BKJ	John R. Morton	500 Lake Ave., White Bear Lake, Minn.
9BKK	Robert D. Baughman	711 E. 15th St., Kansas City, Mo.
9BKL	Unassigned	
9BKM	Ralph W. George	1612 Arkansas Ave., Wichita, Kans.
9BKN	Miles S. Cooper	1713 Selby St., St. Paul, Minn.
9BKO	Everett L. Dillard	300-A E. 35d St., Kansas City, Mo.
9BKP	Harold R. Dornquist	205 Front St., Owatonna, Minn.
9BKQ	James M. Morris	115 Gaskins St., Harrisburg, Ill.
9BKR	Mike A. Podhorn	Box 85, Wood River, Ill.
9BKS	Byron Carlisle	1308 Montgall Ave., Kansas City, Mo.

9BKT	Noel W. Harman	711 N. 28th St., Omaha, Nebr.
9BKJ	Sam F. Bowlby	212 N. 10th St., LaCrosse, Wisc.
9BKV	Alfred W. Kruse	F. F. D. No. 2, Alcester, S. Dak.
9BKW	James A. Ostrand, Jr.	184 Arthur A. S.E., Minneapolis, Minn.
9BKX	Victor H. Schleuder	805 S. Washington St., New Ulm, Minn.
9BKY	Herbert Graham	253 S. Locust St., Valparaiso, Ind.
9BKZ	Robert A. Wolfe	Par. Ave., Bradford, Ill.
9BL	R. F. Laidlaw	6110 S. Maplewood Ave., Chicago, Ill.
9BLA	David D. Jacobs	1012 W. Church St., Champaign, Ill.
9BLB	Virgil R. Ayer	4322 Virginia Ave., Rosedale, Kans.
9BLC	Leon M. Clearwaters	411 N. Salisbury St., W. Lafayette, Ind.
9BLD	Fred W. Kinsey	McLean, Ill.
9BLE	Joseph C. Blair, Jr.	601 Michigan Ave., Urbana, Ill.
9BLF	Harold R. Reiss	1545 25th St., Rock Island, Ill.
9BLG	Karl Jansson	5868 Bartmer Ave., St. Louis, Mo.
9BLH	Russell C. Smart	144 Brown St., Columbus, Ind.
9BLI	Robert E. Stanton	227 Broadway, Denver, Colo.
9BLJ	John E. Lett	1075 S. Emerson St., Denver, Colo.
9BLK	George R. Underwood	521 N. "L" St., College View, Nebr.
9BLM	Ogle L. Hull	707 S. Third St., Boonville, Ind.
9BLN	R. J. Lowien	New Southern Hotel, Muncie, Ind.
9BLN	Clifford Rissman	4832 N. Sawyer Ave., Chicago, Ill.
9BLO	Joseph R. Tate	Durrisville, Ill.
9BLP	Leonard P. Nissen	239 Percy St., Wauwatosa, Wis.
9BLQ	Eugene F. Young	35 S. Webster St., Decatur, Ill.
9BLR	Theodore A. Johnson	1018 Arkwright St., St. Paul, Minn.
9BLS	Union High School	Madison Ave., Milton Junction, Wisc.
9BLT	Lawrence B. Smith	418 N. 7th St., Osage, Iowa
9BLU	Thomas B. Gibbs	255 Pearl St., Winchester, Ill.
9BLV	Harry L. Franc, Jr.	5414 Delmar Blvd., St. Louis, Mo.
9BLW	Jack Jones	R. F. D. No. 2, Liberty, Mo.
9BLX	Edward C. Melnholtz	9812 Green Ave., St. Louis, Mo.
9BLY	Lloyd K. Smith	1714 Plymouth St., Minneapolis, Minn.
9BLZ	A. H. Carlson	1220 S. 22d St., Fort Dodge, Iowa
9BM	Unassigned	
9BMA	William G. Peaslee	2815 Central Ave., Minneapolis, Minn.
9BMB	William Huber	103 N. 14th St., Richmond, Ind.
9BMC	Charles Wise	Box 402, Hopkins, Minn.
9BMD	Hobart B. Stover	124 13th St., Milwaukee, Wisc.
9BME	Jacob F. Hudlow	21 S. 14th St., Kansas City, Kans.
9BMF	W. Monfort Barr	6 W. Delaware St., Knox, Ind.
9BMG	Robert C. Sallenback	1313 21st St., Des Moines, Iowa
9BMH	Maurice Fletcher	4308 University Ave., Des Moines, Ia.
9BMI	Unassigned	
9BMJ	Theodore Graffunder	R.F.D. No. 2, Cottonwood, Minn.
9BMK	George A. Renard	4000 Hartford St., St. Louis, Mo.
9BML	Charles Jun	6154 S. Ashland Ave., Chicago, Ill.
9BMM	Edward F. Fakter	Winnebago, Minn.
9BMN	David T. Ferrler	Y. M. C. A., Sedalla, Mo.
9BMO	Frederick D. Joesting	High School, Grove St., Owatonna, Minn.
9BMP	Glenn Jacobs	4324 Colfax St., Minneapolis, Minn.
9BMQ	Otto Jilek	1210 Somerville Ave., Menominee, Mich.
9BMR	Florentine Rettig	316 N. 9th St., Breckenridge, Minn.
9BMS	Ashley Williams	Aurora, Nebr.
9BMT	Albert E. Wick	Spring Grove, Minn.
9BMU	Willis W. Wick	300 Huron Ave., Sheboygan, Wisc.
9BMV	Leonard R. Moeller	Humboldt & Augusta St., St. Paul, Minn.
9BMW	F. L. Palmer	204 S. 9th St., Independence, Kans.
9BMX	Charles E. Knudsen	782 Cramer St., Milwaukee, Wisc.
9BMY	Clement R. Robinson	1437 Wisconsin St., Racine, Wisc.
9BMZ	Gervest R. Marsh	1050 Buena Ave., Chicago, Ill.
9BN	Marvey Green	1050 Buena Ave., Chicago, Ill.
9BNA	Harvey H. Dorzls	335 S. Taylor Ave., Oak Park, Ill.
9BNB	George J. Mueller	590 Farwell Ave., Milwaukee, Wisc.
9BNC	Emil Bray	1306 E. 19th St., Indianapolis, Ind.
9BND	Don R. Selb	3127 S. 4th Ave., Minneapolis, Minn.
9BNE	Rail-Fone Sales Co.	2134 First St., Columbus Jct., Ia.
9BNF	Edward A. Schwegmann	401 Manchester Ave., Maplewood, Mo.
9BNG	Cyrus R. Truitt	Swanson and Kenyon Sts., Norwinger, Mo.
9BNH	Charles Christopherson	1000 S. Phillips Ave., Sioux Falls, S.D.
9BNI	William R. Beamish	261 S. 3d Ave., Minneapolis, Minn.
9BNJ	Robert E. Flint	1119 N. 8th St., Independence, Kans.
9BNK	Harrison W. McKenzie	744 S. Blaisdell Av., Minneapolis, Minn.
9BNL	Oreon K. Timm	2835 Stutton St., Maplewood, Mo.
9BNM	Alfred G. Diehl	352 19th St., Milwaukee, Wisc.
9BNN	Rockford High Sch. Wireless Club	S. Rockford, Ill.
9BNO	William E. Johnson	315 N. Morgan St., Slater, Mo.
9BNP	W. C. Elle	6607 Minnesota St., St. Louis, Mo.
9BNQ	Theron A. Green	126 N. Main St., Sycamore, Ill.
9BNR	Kenneth Blakely	R. R. No. 3, Greentown, Ind.
9BNS	Laurence E. Tyrrell	1512 E. 5th, Muscatine, Iowa
9BNT	Earl Attkin	208 N. Locust St., Pana, Ill.
9BNU	Bro. of St. Andrew	318 E. First Ave., Oskaaloosa, Iowa
9BNV	Frederic O. Hall	107 S. 6th Ave., Canton, Ill.
9BNW	Boone National Bank	812 Eighth St., Boone, Iowa
9BNX	Henry J. Engleman	Orange City, Iowa
9BNY	John Ruffner	1312 Willow Ave., Louisville, Ky.
9BNZ	Leo B. Welch	115 West St., Waukegan, Ill.
9BO	Paul R. Mangus	North Liberty, Ind.
9BOA	Louis C. Stroh	706 Constitution St., Emporia, Kans.
9BOB	Eugene Young, Jr.	2290 Commonwh' Ave., St. Paul, Minn.
9BOC	Cecil C. Clark	624 Tonawanda St., Rockwell City, Ia.
9BOD	Edward J. Bormann	963 Tuxedo St., Indianapolis, Ind.
9BOE	Bowen C. Huckleberry, Jr.	511 N. East St., Lebanon, Ind.
9BOF	Adolph L. Sabs	Salem, S. Dak.
9BOG	Glen A. Case	3817 Carpenter St., Des Moines, Iowa
9BOH	Charles D. Lawton	216 Cooper Ave., Hancock, Mich.
9BOI	Harris A. Smith	Blockton, Iowa
9BOJ	James C. Hyde	03 E. Hyde Park Ave., St. Joseph, Mo.
9BOK	Thomas G. Brown	1203 E. First St., Duluth, Minn.
9BOL	Robert L. McIlwaine	204 S. Goodwin Ave., Urbana, Ill.
9BOM	Orrie F. Sayles	R. F. D. No. 2, Richmond, Ill.
9BON	Clarence H. Brown	255 Main St., Valparaiso, Ind.
9BOO	J. E. Wisenall	1220 Highway Corvinton, Ky.
9BOP	Theodore N. Rosser	615 E. Pike St., Crawfordville, Ind.
9BOQ	N. Gifford Garner	211 E. Front St., Blair, Nebr.
9BOR	Noel J. Lawson	1202 Third Ave., Aberdeen, S. Dak.
9BOS	Donald Stacy	Walnut and Sixth Sts., Osage, Iowa
9BOT	Lee Kemmeter	912 Racine St., Jefferson, Wisc.
9BOU	James Eng	250 Illinois St., Chicago, Ill.
9BOV	Merrill J. Swanson	417 S. 11th St., Minneapolis, Minn.
9BOW	Charles A. Swartz	204 East 5th St., Concordia, Kans.
9BOX	Morgan L. Weed	115 W. Fulton St., Waupaca, Wisc.
9BOY	Erwin C. Knight	Chain O Lakes R. 1, Waupaca, Wisc.
9BOZ	John K. Lowe	3038 Montgall St., Kansas City, Mo.
9BP	Esterly C. Page	725 Eyster St., Eranston, Ill.
9BPA	Kenneth Lee Storch	Becher, Ill.
9BPB	Homer Ingram	1430 S. 17th St., Omaha, Nebr.
9BPC	Victor H. Kansler	Citizens Bank Bldg., Reedsburg, Wisc.
9BPD	Darwin B. Apple	Main St., Walkerton, Ind.
9BPE	Franklin Wingard	635 W. 61st St., Chicago, Ill.
9BPF	Walter C. Bucks	Elmwood, Kendallville, Ind.
9BPG	C. S. Daggy	4641-D Lake Park Ave., Chicago, Ill.
9BPH	Kermitt C. Erickson	2641 Piere St., Minneapolis, Minn.
9BPI	Pearl Munden	708 W. Jackson St., Centerville Iowa
9BPJ	Kenneth N. Mott	208 N. 21st St., Richmond, Ind.
9BPK	Darrell Holt	1345 Pennsylvania St., Lawrence, Kans.
9BPL	Alert C. Jorgensen	R.F.D. No. 1, Box 14, Waupaca, Wis.
9BPM	Ben C. Shilling	Walton, Ind.
9BPN	Everett A. Reimers	681 McLean St., St. Paul, Minn.
9BPO	James R. Burch	Wagoner, Ill.
9BPP	Unassigned	
9BPQ	Raymond Laurent	Box 232, Clifton, Ill.
9BPR	Wayne Wilson	1030 Ridge Ave., Rockford, Ill.
9BPS	Earl N. Schnoor	1342 W. Pleasant St., Davenport, Iowa
9BPT	Russell E. L. Peterson	8237 S. 18th Ave., Minneapolis, Minn.
9BPU	Eugene Nicholson	2428 S. 42d St., Omaha, Nebr.
9BPV	John R. Martin	204 N. First St., Rockwell City, Iowa
9BPW	John G. Waggoner	2701 Western Ave., Mattoon, Ill.
9BPX	Howard Harrison	432 N. Park St., Lebanon, Ind.
9BPY	Edward M. Van Duzee	Pillsbury Academy, Owatonna, Minn.
9BPZ	J. M. Brown	347 Bond St., Corvinton, Ky.
9BQ	Bernard P. Hansen	Logan, Iowa
9BQA	Lee Ramsey, Jr.	757 Williams St., Denver, Colo.
9BQB	Robert H. Martin	815 Cassopolis St., Elkhart, Ind.
9BQC	Charles L. Marvin	770 Berrien St., Galesburg, Ill.
9BQD	Earl Hendrickson	R. F. D. No. 2, Richmond, Ill.
9BQE	Walter H. Abraham	614 Warren St., Davenport, Iowa
9BQF	Jack M. Hunt	3112 Woolworth Ave., Omaha, Nebr.
9BQG	Kenneth E. Larson	705 Berlin St., Waupaca, Wisc.
9BQH	David A. Dreyer	406 N. Franklin St., Kirksville, Mo.
9BQI	Henry H. Taylor	604 Judson St., Evanston, Ill.
9BQJ	Warren Knotts	801 S. Race St., Urbana, Ill.
9BQK	Lanning P. Rankin	406 W. Normal Ave., Fort Hays, Kans.
9BQL	James W. Haddock	Elm and 9th Sts., Hays, Kans.
9BQM	David M. Hedlund	Madrid, Iowa
9BQN	Edgar M. Darby	Russell, Kans.
9BQO	C. R. Shenberger	123 S. State St., Marengo, Ill.
9BQP	Jack Farham	Hickman, Ky.
9BQQ	Delmar H. Hiebert	4508 York Ave., Minneapolis, Minn.
9BQR	Harold K. Fisher	1801 Mulberry St., Muncie, Ind.
9BQS	A. J. Graves	709 Douglas St., Ames, Iowa
9BQT	William C. Craner	841 Wellington St., Chicago, Ill.
9BQU	Frank A. Miller	616 Lincoln Ave., St. Paul, Minn.
9BQV	Ralph C. Stoble	2249A S. Grand Ave., St. Louis, Mo.
9BQW	Orval Whisman	1216 Preston St., Rockford, Ill.
9BQX	John H. DuBois	1016 26th Ave. S.E., Minneapolis, Minn.
9BQY	Paul A. Masters	110 S. 9th St., Fargo, N. Dak.
9BQZ	Lucy V. Wilson	327 W. Second St., Ottumwa, Iowa
9BR	Verner Bolin	3212 Marcy St., Omaha, Nebr.
9BRA	Stuart D. Clayton	159 E. 11th St., Chicago, Ill.
9BRB	Albert C. Baldwin	Crete, Nebr.
9BRC	Carl E. Swanson	1176 Lincoln Ave., St. Paul, Minn.
9BRD	Henry C. Harvey	R. F. D. No. 4, Harvard, Ill.
9BRE	Alexander Maxwell	C-1, Park Apartments, Evanston, Ill.
9BRF	Harold E. Smithson	628 First Ave., Fargo, N. Dak.
9BRG	Clair Leroy Stong	36 S. 10th St., Minneapolis, Minn.
9BRH	John W. Schelen	1031 Case St., St. Paul, Minn.
9BRI	Ellison D. Lynn	Winnier, S. Dak.
9BRJ	Rudolph Olson	Sharon, N. Dak.
9BRK	Homor E. Ogdin	1518 Spring St., Jeffersonville, Ind.
9BRL	Lyman E. Webb	420 E. Main St., New Albany, Ind.
9BRM	R.lob Reed	315 Fifth St. S.E., Watertown, S. Dak.
9BRN	William H. Myers	91 Douglas St., Hammond, Ind.
9BRP	Lewis Hickox	2123 E. State St., Rockford, Ill.
9BRQ	Howard B. Jennings	2312 Western Ave., Mattoon, Ill.
9BRR	Thadus E. Trussell	Amity, Mo.
9BRS	John A. Scorpil	R. 2, Box 155, Cedar Rapids, Iowa
9BRU	Jack H. Duncan	1357 E. 13th St., Des Moines, Iowa
9BRT	Ernest P. Buresh	R. F. D. No. 1, Fairfax, Iowa
9BRV	Arthur C. Klust	1835 Quincy St., Minneapolis, Minn.
9BRW	Donald Manshardt	16 Wright St., Naperville, Ill.
9BRX	James A. McBrien	304 Edwardsville St., Stanton, Ill.
9BRY	Emerson Squires	525 Wesley St., Wheaton, Ill.
9BRZ	Robert D. Bell	620 Lexington St., Newport, Ky.
9BS	Bertha Barr	427 N. Lott St., Gibson City, Ill.
9BSA	Arthur Sanial	1441 Plaisance Ct., Chicago, Ill.
9BSB	Otto A. Schmotz	R. R. No. 2, Bonner Springs, Kans.
9BSC	Russell S. Bledsoe	Eden, Ill.
9BSD	William R. Tydemann	814 Columbus St., Ottawa, Ill.
9BSE	Harry Kazen	11247 Eggleston Ave., Chicago, Ill.
9BSF	Adolph Samuels	222 Woodbine Ave., Wilmette, Ill.
9BSG	Henry Bosch	4827 Ellis Ave., Chicago, Ill.
9BSH	Anthony Paone	606 S. E. First St., Des Moines, Iowa
9BSI	Albert B. Jordan	1014 G'd Hope St., Cape Girardeau, Mo.
9BSJ	Paul Peltzman	415 Olive St., Kansas City, Mo.
9BSK	Ernest D. Ponzer	Main St., LaMolle, Ill.
9BSL	George C. Adams	Sebre, Ky.
9BSM	S. H. Burke	5727 S. Sawyer Ave., Chicago, Ill.
9BSN	Milo D. Grinnell	321 Adams St., Monroe, Wisc.
9BSO	L. H. Howard, Jr.	409 Third St., Fulton, Ky.
9BSP	Gus G. Stark	527 Taylor St., Shelbyville, Ind.
9BSQ	Albert E. Mickel	308 First St., Marshalltown, Iowa
9BSR	Leonard Hayes	715 32d St., Lincoln, Nebr.
9BST	James S. Overly	Russell, Kans.
9BSU	John E. Van Tuyl	Com'l Sav. Bank Bldg., Monroe, Wisc.
9BSV	G. E. Nicholson	1509 E. 13th St., Des Moines, Iowa
9BSW	Darwin H. Marker	1420 Gum St., Evansville, Ind.
9BSX	Ralph R. Fowler	603 W. 27th St., Kearney, Nebr.
9BSY	Carlton W. Tennant	1610 S. First Ave., Ft. Dodge, Iowa
9BSZ	Bryon B. Jeffrey	914 College Ave., Burlington, Iowa
9BT	Rollin H. Stewart	State St., West Lafayette, Ind.
9BT	Donald D. Usher	3519 University Ave., Des Moines, Iowa
9BT	Cancelled	
9BTA	John M. Pearce	14 Van Buren St., Ottawa, Ill.
9BTB	Tesla Marconi Club	68th and Nat'l Aves., West Allis, Wisc.
9BTC	Albert R. St. Cvr	335 Harrison St., Marquette, Mich.
9BTD	Henry Levy	6729 Bosworth Ave., Chicago, Ill.
9BTE	John V. Hoffacker	9625 Prospect Ave., Chicago, Ill.
9BTF	Robert J. Finne	2424 Burling St., Chicago, Ill.
9BTG	Arthur W. Swerine	Mahomen, Minn.
9BTH	Joseph Truman Hazen	627 Fillmore St., Topeka, Kans.
9BTI	George R. Metcalf	520 Grand Ave., St. Paul, Minn.
9BTJ	Siebo F. Tebben	722 3d St., Rochelle, Ill.
9BTK	Theodore W. Joslyn	309 California St., Sycamore, Ill.
9BTL	George I. Chatfield	1015 Thomas Ave., Minneapolis, Minn.
9BTM	Eugene Hill	534 E. Chestnut St., Canton, Ill.
9BTN	Louis Philip Weiner	401 E. 4th St., Blecknell, Ind.
9BTO	Gustave W. Kornemann	3335 Madison St., Denver, Colo.
9BTP	Helen Clare Long	121 Washington St., Champaign, Ill.
9BTQ	Karl W. Miller	Box 12 Millbank, S. Dak.
9BTR	Clyde A. Hummel	600 E. Chestnut St., Canton, Ill.
9BTS	Eldridge G. Brown	1424 Pine St., Boulder, Colo.
9BTT	Lewis J. McKesson	Box 285, Excelsior, Minn.
9BTU	William J. Casey	5222 Minerva Ave., St. Louis, Mo.
9BTV	Alex Quirk	R. R. No. 3, Livia, Ky.
9BTW	North High School	Fremont Aves., Minneapolis, Minn.
9BTX	Gerald F. Smith	Akron, Iowa
9BTY	Lamber G. Lynn	217 Selma Ave., Webster Groves, Mo.
9BTZ	Peter Kelzer	2647 Southport Ave., Chicago, Ill.
9BU	LeRoy A. Cleveland	374 Farwell Ave., Milwaukee, Wisc.
9BUB	Patrick Horn	North Liberty, Ind.
9BUC	Joseph B. Wagner	Main St., Warroad, Minn.
9BUD	Foy H. Browning	5735 Bartmer Ave., St. Louis, Mo.
9BUE	Leslie E. Crossman	Ogden, Iowa
9BUI	William H. Bussey	3721 S. Colfax Ave., Minneapolis, Minn.
9BUT	Leo Weller	810 N. Minnesota Ave., Hastings, Nebr.



9BUG Maurice S. Spats... Fairfield, Neb.  
 9BUI Julian A. Palmer... 757 Ave "B," Galesburg, Ill.  
 9BUJ Charles J. Schwars... 3807 N. 26th St., St. Louis, Mo.  
 9BUK Charles M. Guthell... 230 Short St., Winchester, Ind.  
 9BUL James Wilson... 610 Gary Ave., Wheaton, Ill.  
 9BUM Gerritt Vandekamp... 500 University St., Pella, Iowa  
 9BUN Bert A. Onam... Box 93, Glyndon, Minn.  
 9BUO Robert S. Chamberlin... 777 Marlon St., Denver, Colo.  
 9BUO Grant E. Peterson... 512 7th Ave., Sterling, Ill.  
 9BUP Phillip Lawton... 306 W. Lincoln St., Jefferson, Iowa  
 9BUQ Glenn K. Hurd... 420 Kansas Ave., El Dorado, Kans.  
 9BUR Lowell Kelly... R. R. No. 3, Russellville, Ind.  
 9BUS Max Wright... 4232 Farnam St., Omaha, Neb.  
 9BUT Elmer O. Eiseemann... 420 S. Jackson St., Green Bay, Wisc.  
 9BUU Francis J. Lander... 1802 Silver St., Wichita, Kans.  
 9BUV Christopher House Radio Club... 2502 Greenleaf St., Chicago, Ill.  
 9BUW Arthur Shaw... 7736 East End Ave., Chicago, Ill.  
 9BUX Burt A. Collins... 1815 E. 76th Place, Chicago, Ill.  
 9BUY Noble B. Watson... 722 Lincoln St., Indianapolis, Ind.  
 9BUZ Roland Noughton... 518 N. Jefferson St., Rockville, Ind.  
 9BV Chicago Telegraph Institute... 3400 Michigan Ave., Chicago, Ill.  
 9BVA Lyman G. Swenson... N. Main St., Amherst, Wisc.  
 9BVB Frederick T. Hyland... 613 W. Healy St., Champaign, Ill.  
 9BVC Hubert U. DeVore... 511 E. Myrtle St., Independence, Kans.  
 9BVD Edward J. Furlong... Perryville, Mo.  
 9BVE Roy Frazier... Bicknell, Ind.  
 9BVF Laurence L. Robinson... 1024 S. Water St., Wichita, Kans.  
 9BVG Clarence F. Rohlfing... Osman, Ill.  
 9BVH Schulte & Stanford... 547 Grand St., Delta, Colo.  
 9BVI Julius Andrae & Sons Co... 107 Eighth St. S.E., Mason City, Iowa  
 9BVJ Ralph H. Cramer... 2800 74th Court, Elmwood Park, Ill.  
 9BVK Proulx Township High School... Madison and First Aves., Maywood, Ill.  
 9BVL Caryl McIntyre... Belmond, Iowa  
 9BVM Harry Goodbar Barton... 5194 Maple Ave., St. Louis, Mo.  
 9BVN Virgil Lafferty... 306 S. Prairie St., Champaign, Ill.  
 9BVO Kenneth F. Smith... 1016 Pine St., Boulder, Colo.  
 9BVP Kenneth Heagy... 6138 Lowell Ave., Indianapolis, Ind.  
 9BVQ Norwin E. Pohlman... 1015 Everett Ave., Louisville, Ky.  
 9BVS Byron E. Fahl... Jamestown College, Jamestown, N. Dak.  
 9BVT Glenn L. Troyer... West Middleton, Ind.  
 9BVU Almo J. Gaubatz... 23 Main St., E. St. Louis, Ill.  
 9BVV Daniel H. Blom... Alta, Iowa  
 9BVW Daniel H. Sheets... 16 Wheeling St., Kansas City, Mo.  
 9BVX Fred W. Kitchner, Jr... 1208 E. Wash'n St., Des Moines, Iowa  
 9BVY Truman Waters... 407 Cottage St., Whitewater, Wisc.  
 9BVZ Norrell A. Canfield... 62 N. Freeman Ave., Luverne, Minn.  
 9BW Joseph T. Hood... 134 W. 34th St., Indianapolis, Ind.  
 9BWA Joseph Z. Winder... 413 N. 18th St., Richmond, Ind.  
 9BWB Wesley Peterson... Main and Chicago Sts., Geneseo, Ill.  
 9BWC Grant A. Horton... 215 Main St., Princeton, Ill.  
 9BWD Leo E. Eppard... 3810 High St., Denver, Colo.  
 9BWE Forest D. Ketterling... Cambridge, Ill.  
 9BWF James P. Kenney... R. F. D. No. 3, Fairfield, Neb.  
 9BWH Francis T. Lallak... 2518 S. Harrison St., Ft. Wayne, Ind.  
 9BWI Clarence B. Raymond... Kilmour, Wisc.  
 9BWJ H. George De Kay... Wausa, Neb.  
 9BWK Rolla E. Chapman... 115 N. Pearl St., McLeansboro, Ill.  
 9BWL Roy Hall Elliott... 2915 "R" St., Lincoln, Neb.  
 9BWM Rous A. Rouse... 1011 Colley St., Topeka, Kans.  
 9BWN David F. Indley... 185 Logan St., Noblesville, Ind.  
 9BWO Elvin E. Mahacek... R. No. 1, Crete, Neb.  
 9BWP George K. Eaton... 14 N. 15th St., Ft. Dodge, Iowa  
 9BWP Joseph A. Westerlund... Cambridge, Ill.  
 9BWP Edward J. Posselt... 5317 W. 25th St., Cicero, Ill.  
 9BWR Harry A. Monson... 4519 Virginia Ave., Chicago, Ill.  
 9BWS George B. James... 1414 S. Vermont St., Sedalia, Mo.  
 9BWT Elmer J. Gross... 4523 Campbell Ave. N., Chicago, Ill.  
 9BWX Clifford Huesgen... 1417 Laurel St., St. Louis, Mo.  
 9BWU Joseph E. Tomlinson... Grade Sch., Melvin St. Gibson City, Ill.  
 9BWV Joseph E. Davidson... N. Polk St., Albany, Mo.  
 9BWW Harold Jones... 603 E. Washington St., Washington, Iowa  
 9BWX Eugene G. Black... 4939 Hooker St., Denver, Colo.  
 9BWy Richard Wagner... 643 S. Main Ave., Sioux Falls, S. Dak.  
 9BWX Harold F. Woodbury... 219 Wiggins St., W. Lafayette, Ind.  
 9BX Harold Ristau... 3525 N. Leavitt St., Chicago, Ill.  
 9BXA Royal F. Fisher... 978 S. Vine St., Denver, Colo.  
 9BXC Vernon Corliss... Madison, Minn.  
 9BXD John W. Albert... 604 S. Cherry St., Jefferson, Iowa  
 9BXD Frank O. Denton... Main St., Rankin, Ill.  
 9BXE Leslie R. Simpson... 803 E. Walnut St., Bloomington, Ill.  
 9BXF Harold Young... 359 S. Second St., Frankfort, Ind.  
 9BXG Oswald C. Horn... 1021 Church St., Champaign, Ill.  
 9BXH Robert L. Montgomery... 555 S. Gilpin St., Denver, Colo.  
 9BXI Theodore Steegman... 61 S. Harrison St., Kansas City, Kans.  
 9BXJ Harold Cerny... 1511 5th Ave., Belle Plaine, Iowa  
 9BXK Charles E. Rabonecker... 20 24th St., Louisville, Ky.  
 9BXL James O. Barnes... 22 W. Maple Ave., Ottumwa, Iowa  
 9BXM Howard Warren... 2441 Race St., Denver, Colo.  
 9BXN James Vacca... 518 W. Erie St., Spring Valley, Ill.  
 9BXO Cecil W. Dorsett... Harper, Kans.  
 9BXP Walter K. Robinson... Gale St., Williamsford, Ill.  
 9BXQ Howard M. Williams... 3207 W. Lake Place, Denver Colo.  
 9BXR Gordon E. Prickett... 484 Addison St., Elgin, Ill.  
 9BXS Harold Hufnagle... Fremont, Ind.  
 9BXT Elvin B. Chapman... Giltner, Neb.  
 9BXU John E. Bredeken... Hills, Minn.  
 9BXV Oswald H. Johnson... 918 Elm St., Racine, Wisc.  
 9BXW Harold Goldwasser... 1820 S. Broadway, St. Louis, Mo.  
 9BXW Ross D. Whipple... 515 Illinois Ave., Ottawa, Ill.  
 9BXY Marshall W. Ayer... 612 N. 31st St., Lincoln, Neb.  
 9BXZ Fred Schmeller... 227 5th St., S.W., Mason City, Iowa  
 9BY Unassigned  
 9BYA Nelson C. Warner... 3301 Maple Ave., Berwyn, Ill.  
 9BYB Milo Rollins... 2630 Harriot Ave., Minneapolis, Minn.  
 9BYC Lee O. Wiese... 1314 Seventh St., Perry, Iowa  
 9BYD John H. Henderson, Jr... 401 W. Ashland Ave., Indianola, Iowa  
 9BYE Rexford H. Kundiger... R. No. 4, Box 9, Oshkosh, Wisc.  
 9BYF Turms and Holmig... 1527 8th St., Peru, Ill.  
 9BYG John C. Bonney... 911 Pine St., Boulder, Colo.  
 9BYH Dale T. Diefenderfer... 619 Hawthorne Ave., S. Milwaukee, Wisc.  
 9BYI Orland B. Banning... 217 Water St., Elkhart, Ind.  
 9BYJ George W. Kovell... Amherst Village, Wisc.  
 9BYK W. A. Coverdale... 7546 Clyde Ave., Chicago, Ill.  
 9BYL Clyde Crabtree... 908 15th St., Winfield, Kans.  
 9BYM Stuart F. Smith... 580 Washington St., Marsdesills, Ill.  
 9BYN Samuel G. Read... 205 N. High St., La Grange, Ind.  
 9BYO William L. Zednik... Wilber, Neb.  
 9BYP Frank E. Golder... 227 Maple St., Joplin, Mo.  
 9BYQ Louis Sacks... 4815 S. 26th St., Omaha, Neb.  
 9BYR Carl P. Berg... 518 N. Third Ave., Maywood, Ill.  
 9BYS Wilson N. Browning... 1124 Vine St., Newport, Ky.  
 9BYT Elmer F. Marshino... 405 Depot St., Vincennes, Ind.  
 9BYU Clarence E. Kelsey... 801 S. Durbin St., Bicknell, Ind.  
 9BYV Leonard M. Torrence... 623 Market St., Iowa City, Iowa  
 9BYW Benhart O. Tweet... Radcliffe, Iowa  
 9BYX Henry J. English... 844 W. College Ave., Jacksonville, Ill.  
 9BYZ Raymond F. Borgmann... Saut Center, Minn.  
 9BYZ Raymond Z. Brown... 207 Cole St., E. Peoria, Ill.

9BZ John J. McDowell... 6616 Minerva Ave., Chicago, Ill.  
 9BZA Joseph D. Joyce... 532 Madison St., Gary, Ind.  
 9BZB Howard A. Wilhelm... Jersey Ridge Rd., R. 4, Davenport, Ia.  
 9BZC Walter J. Cahill... Plainville, Neb.  
 9BZD S. M. and C. C. Wene... 455 Magnolia Ave., Chicago, Ill.  
 9BZE Lothrop Smith... 207 W. Court Ave., Winterset, Iowa  
 9BZF H. C. Smith... 516 Front St., Jamestown, N. D.  
 9BZG Everett A. Ludley... 847 E. Main St., Manchester, Iowa  
 9BZH F. B. Heselton... 520 S. Ball St., Webb City, Mo.  
 9BZI Robert W. Thielke... Ackley, Iowa  
 9BZJ Milard J. McCord... Main St., Beaver Crossing, Neb.  
 9BZK Glenn E. L. Anderson... Main St., Oakland, Neb.  
 9BZL Milford D. Bradley... 545 Adams St., Gary, Ind.  
 9BZM Wade Larson... 627 Higgins St., Neenah, Wisc.  
 9BZO Allan W. Willard... Riverside, Ill.  
 9BZP Pearson Borlander... 920 Lathrop Ave., Forest Park, Ill.  
 9BZQ Henry P. Michels... 6448 N. Clark St., Chicago, Ill.  
 9BZR Dale E. Lambert... 319 N. Valli St., Geneseo, Ill.  
 9BZS Richard B. Mossman... 711 1/2 W. 3d St., Davenport, Iowa  
 9BZT Leo F. Doelke... 1253 23d Ave., Rock Island, Ill.  
 9BZU John C. Salda... No. 8 Douglas St., Darlington, Ind.  
 9BZV Arthur J. Revell... Scammon, Kans.  
 9BZW Bert J. Graybill... 74 Cot. Grove Ave., South Bend, Ind.  
 9BZX Floyd B. Barrett... 1002 N. Moffat Ave., Joplin, Mo.  
 9BZY Riley H. Snedeker... 1802 Ohio St., Connersville, Ind.  
 9BZZ Carl C. Yeakley... 1214 S. 4th St., Springfield, Ill.  
 9CA Deen W. Imel... 901 W. Chestnut St., Independence, Kan.  
 9CAA George W. Bergman... 400 W. Chippewa St., Dwight, Ill.  
 9CAB Charles R. Stedman... 1841 Abbot St., Denver, Colo.  
 9CAC Maurice H. Nelles... 702 2d St. N. W., Madison, S. Dak.  
 9CAD Oren B. Gambill... 502 16th St., Independence, Kans.  
 9CAE Clayton A. Doolin... 531 W. Wood St., Decatur, Ill.  
 9CAF Marion Canham... Cabery, Ill.  
 9CAG William R. Calver, Jr... Box 16, Westervelt, Ill.  
 9CAH Charles S. Lang... Monticello, Iowa  
 9CAI Edward Wickland... 7223 Greenwood Ave., Chicago, Ill.  
 9CAJ Andrew M. Harvey, Jr... R. F. D. No. 3, Delavan, Wisc.  
 9CAK Kenneth Wolfe... 210 S. Helen St., Pipestone, Minn.  
 9CAL Earl V. Goodwin... 1721 Williams St., Great Bend, Kans.  
 9CAM Giendon A. Klein... Winnebago, Minn.  
 9CAN Doris F. Solney... 615 4th Ave., Belle Plaine, Iowa  
 9CAO Waldo W. Eaton... 4217 Douglas St., Omaha, Neb.  
 9CAP George W. Chamberlain... Rock Port, Mo.  
 9CAQ Albert C. Wachs... 109 E. 10th St., Paris, Ky.  
 9CAR John H. Lawrence... Springfield, S. Dak.  
 9CAS Richard P. Ballou... 1705 N. 8th Ave., Ft. Dodge, Iowa  
 9CAT Willy E. Miles... Box 182, Lewellen, Neb.  
 9CAU Glenn B. Winkler... 1201 E. Maple St., Columbus, Kans.  
 9CAV John G. Sinclair... 2017 Washington Ave., Alton, Ill.  
 9CAW Stanley C. Quinn... 410 S. 9th St., Brainerd, Minn.  
 9CAX Clifford P. Alsop... 423 Clark Ave., Edinham, Ill.  
 9CB Bob Okell... 607 Douglas St., Bloomington, Ill.  
 9CBA James Corridori... 105 E. Cahokia St., Centralia, Ill.  
 9CBB Malcolm L. Melville... Turner Ave., Glen Ellyn, Ill.  
 9CBC William C. Kohl... 210 N. Taylor Ave., St. Louis, Mo.  
 9CBB K. W. Clark... 547 W. Washington St., Winchester, Ind.  
 9CBB D. Redmond... 1120 Bertsch Ave., Waterloo, Iowa  
 9CBB Ellis L. Toyres... 422 N. Main St., Mt. Pleasant, Iowa  
 9CBB Anthony B. Kinney... Argentine Rd., Box 78, Rosedale, Kan.  
 9CBB Earl H. Craven... 519 Grand St., Grand Junction, Colo.  
 9CBB Alf N. Myhre... 420 4th St., Stillwater, Minn.  
 9CBB James E. Carter... Marshall, Ind.  
 9CBB Wesley A. Kauder... R. F. D. No. 1, Jamestown, N. Dak.  
 9CBB End Hamilton... Forrest, Ill.  
 9CBB Fred W. Oeter... 1507 Washington St., Muscatine, Iowa  
 9CBB J. Harland Platz... Clay Center, Neb.  
 9CBB Marshall F. Reed... Clay Center, Neb.  
 9CBB Frederick D. Weymouth... 417 N. Ridgeland Ave., Oak Park, Ill.  
 9CBB W. E. Florea... 10 W. Sycamore St., Vincennes, Ind.  
 9CBB Maurice McLeod... 406 Franklin St., Kirksville, Mo.  
 9CBB Malcolm W. McRae... 1028 Elgin Ave., Forest Park, Ill.  
 9CBB John Donald Burke... 105 S. Babcock St., Urbana, Ill.  
 9CBB Carroll A. Wilson... 1011 Rush St., Chicago, Ill.  
 9CBB Arthur W. Pike... 4622 N. Robey St., Chicago, Ill.  
 9CBB Melvin T. Anderson... 515 N. Grove St., Owatonna, Minn.  
 9CBB Louis R. Hosking... 826 Wolfe St., Muncie, Ind.  
 9CBB Allan E. Gower... 596 Cherokee Ave., St. Paul, Minn.  
 9CBB John Joseph King... 162 Morgan St., Tracy, Minn.  
 9CBB Otto Richardson... 203 Main St., Frankfort, Ky.  
 9CBB Harry Overturf... 115 S. Riverside Drive, Ames, Iowa  
 9CBB Harold S. Lewis... 1635 N. Carolina Ave., Mason City, Ia.  
 9CBB Joseph B. Swanson... 323 Wesley Ave., Oak Park, Ill.  
 9CBB Joseph B. Swanson... 3122 Sheridan Rd., Chicago, Ill.  
 9CBB Herbert James Parsh... 1730 Trlb. Bg., 7 S. Dearborn, Chgo.  
 9CBB Carl F. Williams... 427 Jackson St., Milwaukee, Wis.  
 9CBB Edward M. Toelner... 940-11th St., Boulder, Colo.  
 9CBB William E. Mueller... 309 N. Francis St., Madison, Wis.  
 9CBB Thaddeus Huen... 349 National Ave., Milwaukee, Wis.  
 9CBB Wesley Campbell... 613 Third Ave., Milwaukee, Wis.  
 9CBB Rodney Schroder... 387D Drexel Blvd., Chicago, Ill.  
 9CBB Leffingwell Drug Co... 1368 Osage St., Denver, Colo.  
 9CBB Adm. Joseph Spilman... Main & Chicago Sts., Evanston, Ill.  
 9CBB Myron Jennings Earl... Buffalo, Kans.  
 9CBB Paul Bjors... Dana, Ill.  
 9CBB Everett E. Gray... 328 E. 10th St., Lockport, Ill.  
 9CBB Michael Braz... Main St., Fulton, Ind.  
 9CBB Jerry Janita... R. R. No. 6, Waseca, Minn.  
 9CBB Mervin Lewis... 1409 Marquette St., Racine, Wisc.  
 9CBB Charles C. Nagel... 312 E. Rutledge St., Yates Ctr., Kans.  
 9CBB Raymond Schultz... Clay Center, Neb.  
 9CBB Ed Barrieklow... Henry, Ill.  
 9CBB Charles W. W. Scott... Courtland, Kans.  
 9CBB Raymond Pfisterer... 6026 Washington St., St. Louis, Mo.  
 9CBB Leslie B. Vennard... 220 Read St., Evansville, Ind.  
 9CBB A. Verne Roberts... Third St., Westington Springs, S. D.  
 9CBB Frederick J. Marco... 1241 Perry Ave., Wichita, Kans.  
 9CBB Ed Petzeld, Jr... 5723 Whitrop Ave., Chicago, Ill.  
 9CBB Earl B. Pickard... 1122 Milwaukee Av., S. Milwaukee, Wis.  
 9CBB Thomas S. Berry... Lens, Ill.  
 9CBB Kenneth Drago... 707 W. Ashland St., Indianola, Iowa  
 9CBB Meade O. Davis... 407 Willow St., Normal, Ill.  
 9CBB Middleton Lee Perry, Jr... 805 Carson Ave., La Junta, Colo.  
 9CBB Lawrence F. Madding... State Hospital, Topeka, Kans.  
 9CBB Lionell Schott... Colfax, Ind.  
 9CBB Ivan C. Tucker... 2104 W. 2d St., Sedalia, Mo.  
 9CBB Albert E. Woodruff... Tekamah, Neb.  
 9CBB Robert S. Campbell... 411 Walnut St., Glenwood, Iowa  
 9CBB Merritt S. Smith... 1926-32d St., Rock Island, Ill.  
 9CBB R. E. Hill... 1118 Jackson St., Ottawa, Ill.  
 9CBB Richard A. Pedersen... Low Moor, Iowa  
 9CBB Charles F. Shaw... 820-6th Ave., Brainerd, Minn.  
 9CBB Orille S. Daris... 1206 Walker St., Des Moines, Iowa  
 9CBB Edward J. Caveny... Luverne, Minn.  
 9CBB Albert M. Halstead, Jr... Main St., Luverne, Minn.  
 9CBB Robert Lyle Worrell... 401-5th Ave., S., Jamestown, N. Dak.  
 9CBB Unassigned... Walkerton, Ind.  
 9CBB William J. Zeldlik... 303 Domers Ave., E. Grd. Forks, Minn.

- 9CDW Glenn Fleming Barr.....212 Butler St., Manchester, Iowa
- 9CDX James G. Haub.....1526 Lincoln St., Racine, Wis.
- 9CDY Jerome Stansbury.....532 Glendals Rd., Webster Groves, Mo.
- 9CDZ Leonard M. Roeder.....202 North St., Dwight, Ill.
- 9CE Thomas H. Lokken.....162 Bluff St., Ishpeming, Mich.
- 9CEA Robert L. Gouglar.....Box 5, Ipara, Ill.
- 9CEB Jos. G. Buch.....McHenry, Ill.
- 9CEC Hilbert R. Moore.....334 Main St., Ottawa, Kans.
- 9CED Ivan M. Dexter.....207 E. Chautauquus St., Carbondale, Ill.
- 9CEE Horace J. Cornitius.....5045 Terry Ave., St. Louis, Mo.
- 9CEF Charles G. Knapp.....511 Duff Ave., Ames, Iowa
- 9CEG Springfield High School.....Benton & Center Sts., Springfield, Mo.
- 9CEH Percy Shurr.....802 N. Freeman St., Luverne, Minn.
- 9CEI Pierce F. Lippman.....Victor-Collins Rd., R. 13, Kirkwood, Mo.
- 9CEJ Rufus J. Harris.....6522 Evans Ave., Chicago, Ill.
- 9CEK Stanley F. Martin.....5528 Michigan Ave., Chicago, Ill.
- 9CEL William H. Stonerook.....Care Mrs. L. J. McCormack, Traer, Ia.
- 9CEM Harry O. Bercher.....204 Nevada St., Urbana, Ill.
- 9CEN Harold S. Good.....1912 Heidel St., Covington, Ky.
- 9CEO Unassigned
- 9CEP Leo Conroy.....1639 Ashland Ave., Indianapolis, Ind.
- 9CER Unassigned
- 9CES Scenic Highway Radio Club.....4th Ave. & 1st St., Clinton, Iowa
- 9CET Arne Arneson.....117 Vasa Ave., Fergus Falls, Minn.
- 9CEU George S. Baker.....2336 Tower Grove Av., St. Louis, Mo.
- 9CEV Milo M. Littleton.....1314 E. Washington Av., Madison, Wis.
- 9CEW George A. Schillkert.....1319 N. Crawford Ave., Chicago, Ill.
- 9CEX Illinois Fixture & Elec. Sup. Co.....56 W. Lake St., Chicago, Ill.
- 9CEY Richard C. Bird.....7307 Greenwood Ave., Chicago, Ill.
- 9CEZ Eloy W. Berglof.....174 N. Scoville Ave., Oak Park, Ill.
- 9CF Frank Preucil, Jr.....11515 Wallace St., Chicago, Ill.
- 9CFA Elroy H. Black.....Thoyer, Mo.
- 9CFB Hilton C. Ingle.....2445 Chicago Ave., Chicago, Ill.
- 9CFC Samuel S. Stoller.....Thompson, Iowa
- 9CFD Oral D. Florenco.....Prairie City, Iowa
- 9CFE William R. Cottrell.....221 Caldwell St., Jacksonville, Ill.
- 9CFF Rudolph W. Blucke.....441 Sherman Ave., Wichita, Kans.
- 9CFG Cletus Drakel.....209 N. 11th St., Mattoon, Ill.
- 9CFH William R. Welton.....128 N. Cedar St., Ottawa, Kans.
- 9CFI Wallace D. Wilson.....St. James, Minn.
- 9CFJ Harry O. Berg.....1203 S. Main St., Lewistown, Ill.
- 9CFK Clarence L. Rundale.....304 E. Washington St., Pontiac, Ill.
- 9CFL John C. McGregor.....902-4 Pine St., St. Louis, Mo.
- 9CFM Frank Asam Electric Co.....376 1/2 First Ave., Milwaukee, Wis.
- 9CFN Leonard B. Wilke.....1320 W. 44th St., Des Moines, Ia.
- 9CFO Donald Anderson.....634 Grace St., Chicago, Ill.
- 9CFP Malcolm W. McRae.....5612 W. 24th St., Cicero, Ill.
- 9CFQ Joseph J. Cery.....Piano II
- 9CFR Howard Frank.....3656 Pine Grove Ave., Chicago, Ill.
- 9CFS F. S. Palm.....Summer St., Schofield, Wis.
- 9CFT John F. Schneider.....2318 E. St., Granite City, Ill.
- 9CFU Jos Schindler.....341 S. 11th St., Havelock, Neb.
- 9CFV Earl C. Chandler.....Collegeville, Minn.
- 9CFW Patrick J. Dougherty.....426 N. Byers Ave., Joplin, Mo.
- 9CFX Ralph L. Nolan.....523 S. Hancock St., Colo. Socy., Colo.
- 9CFY Clarence O. Ford.....454 Newberry Blvd., Milwaukee, Wis.
- 9CFZ Clayton Fyfe.....422-16th Ave., Huron, S. Dak.
- 9CG Reginald J. Iverson.....677 Lawn Ridge, S. Milwaukee, Wis.
- 9CGA Merle F. Buck.....729 Montana Ave., S. Milwaukee, Wis.
- 9CGR Raymond J. LeDuc.....344 Lake Drive, Milwaukee, Wis.
- 9CGC Samuel R. Durand.....587-21st St., Milwaukee, Wis.
- 9CGD William E. Wierdema.....1405 Wisconsin St., Gladstone, Mich.
- 9CGE Raymond P. Matheon.....Milwaukee, Wis.
- 9CGF West Division High School.....Commonwealth Av., St. Paul, Minn.
- 9CGG James H. Palst.....1037 Van Wie St., Rockford, Ill.
- 9CGH Leroy Monosmeth.....Dougherty, Iowa
- 9CGI Joseph F. Hladky.....1300 S. Third St., Louisville, Ky.
- 9CGJ Edwin T. Bruce.....3518 Itaska St., St. Louis, Mo.
- 9CGK James W. Korman.....R. F. D. No. 1, Attica, Ind.
- 9CGL William S. Waldrip.....R. F. D. No. 2, West Frankfort, Ill.
- 9CGM W. E. Britton.....2550 N. Grand Ave., St. Louis, Mo.
- 9CGN Joseph A. Steinsage.....Box 5, Galatia, Ill.
- 9CGO Gilbert S. Jackson.....917 E. Henderson Ave., Decatur, Ill.
- 9CGP Ralph A. Bagley.....700 Baker Ave., Menominee, Mich.
- 9CGQ Ernest W. Kersten.....917 Blaine St., Peoria, Ill.
- 9CGR W. E. Riddle.....3071 S. 32d St., Omaha, Neb.
- 9CGS Rudolph E. Vostera.....2110 Clark St., Chicago, Ill.
- 9CGT George T. Eastland.....412 Windom St., Peoria, Ill.
- 9CGU Walter H. Bornholdt.....294 W. Bluff St., Marseilles, Ill.
- 9CGV Ralph C. Ankeny.....Fairfield, Neb.
- 9CGW Lorin K. Hill.....216 W. Beardsley St., Elkhart, Ind.
- 9CGX David F. Simonton.....1712 W. 14th St., Davenport, Iowa
- 9CGY Clarence M. Moulder.....2700 E. 13th St., Denver, Colo.
- 9CGZ Sanford Griffin.....Winnetka, Ill.
- 9CH New Tyler Radio Club.....Beaver Crossing, Neb.
- 9CHA Arthur G. Conson.....615 E. Morgan St., Dixon, Ill.
- 9CHB Richard H. Weyant.....820 N. Main St., Spencer, Iowa
- 9CHC Clark H. Johnston.....Lincoln St., Box 71, Malvern, Iowa
- 9CHD Donald R. Laird.....R.F.D., Arlington Twp., Poyntne, W.Va.
- 9CHE William C. Forrest.....625 Church St., Princeton, Ill.
- 9CHF Robert C. Lewis.....North Liberty, Ind.
- 9CHG Fred C. Krick.....121 McKay St., Frontenac, Kans.
- 9CHH Eugene E. Zimmerman.....Britt, Iowa
- 9CHI Gordon Armstrong.....Eastmoreland Place, Joplin, Mo.
- 9CHJ Herbert Schurr, Jr.....112 S. Hickory St., Plattville, Wis.
- 9CHK Paul T. Stephens.....751-39th St., Milwaukee, Wis.
- 9CHL Clarence E. Berg.....514 S. Jackson St., Belleville, Ill.
- 9CHM Frank B. Smalley.....St. Ansgar, Iowa
- 9CHN Oscar A. Rosal.....517 Ottumwa St., Ottumwa, Iowa
- 9CHO John A. Davies.....407 Church St., Champaign, Ill.
- 9CHP Robert L. Goodman, Jr.....1221 W. Johnson St., Madison, Wis.
- 9CHQ Theodore Kennedy.....Kirkland, Ill.
- 9CHR Kenneth D. Turner.....411 S. Main St., El Dorado Sngs. Mo.
- 9CHS Roy Emison.....32 Layman Ave., Indianapolis, Ind.
- 9CHT Melville W. Spencer.....228 Second Ave., E. Cresco, Iowa
- 9CHU Bruce R. Church.....108 W. Main St., Elmwood, Ill.
- 9CHV Harry E. Niece.....243 Crosat St., LaSalle, Ill.
- 9CHW Everett M. Strout.....1826 Ludlow Ave., Indianapolis, Ind.
- 9CHX Raymond T. Wheeler.....1623 St. Claire St., St. Paul, Minn.
- 9CHY Richard DuPuy.....3 Strand Apts., Ft. Dodge, Iowa
- 9CHZ H. E. Giltner.....214 S. Kinney St., Angola, Ind.
- 9CI Russell C. Cravens.....2239 Bellefontaine St., Indianapolis, Ind.
- 9CIA Winfield F. Smith.....Route No. 4, Box 23, Lexington, Ky.
- 9CIB Roy M. Hinkle.....222 S. Poplar St., Seymour, Ind.
- 9CIC C. M. Elsbach.....Parke Av. & Lynn St., Springfield, Mo.
- 9CID Kirk T. Pruss.....2214 D. St., Granite City, Ill.
- 9CIE Merrill F. Kottmeier.....706 N. Third St., Ft. Dodge, Iowa
- 9CIF Archie O. Peterson.....2204 W. 3d St., Duluth, Minn.
- 9CIG Irene G. Sennett.....Maitland, Mo.
- 9CIH Frederick M. Edwards.....820 Minnesota Ave., South Milwaukee, Wis.
- 9CII C. F. Quentin.....Lake City, Kans.
- 9CIJ Dan Lake.....1010 Michigan Ave., Menominee, Mich.
- 9CIK Ivar Nelson.....Britt, Iowa
- 9CIL Earl B. Dahl.....4160 Chicago St., Omaha, Neb.
- 9CIM Frank H. McIntosh.....3126 Kieckner Court, Lincoln, Neb.
- 9CIN Milo W. Utterback.....118 N. Main St., Nanerville, Ill.
- 9CIO Julian A. Dieter.....480 Grand Ave., St. Paul, Minn.
- 9CIP Frederick & Davis Weyerhaeuser.....Tombard, Ill.
- 9CIQ John Archie Mathis.....1922 Richard St., Chicago, Ill.
- 9CIR Central Radio Club.....216 W. Third St., Bicknell, Ind.
- 9CIS Murlin D. Hoover.....
- 9CIT Harry S. Carr.....421 W. Luverne St., Luverne, Minn.
- 9CIU Frederick C. Shidel.....Amherst, Wis.
- 9CIV Richard G. Brew.....4502 Beloit Rd., W. Milwaukee, Wis.
- 9CIW Ralph E. Carr.....417 E. College Ave., Waukesha, Wis.
- 9CIX Unassigned
- 9CIY Paul E. Teale.....1746 S. 27th St., Omaha, Neb.
- 9CIZ Kenneth A. Smith.....210 Railroad St., Percy, Ill.
- 9CJA Raymond Wahlmann.....3257 Fremont Ave., St. Louis, Mo.
- 9CJB Marlice E. Wells.....2145 Hazel Ave., Indianapolis, Ind.
- 9CJC Alvin Ebert.....920-20th Ave., Milwaukee, Wis.
- 9CJD John C. Mosby, Jr.....425 Fairlawn Av., Webster Groves, Mo.
- 9CJE Dewar B. Victor.....1102 Park Ave., Omaha, Neb.
- 9CJF Charles A. Pine.....R. F. D. No. 5, Coffeyville, Kans.
- 9CJG John N. Thompson.....749 Maryland St., Gary, Ind.
- 9CJH Franklin M. Henry.....108 Peadview Blvd., Manitou, Colo.
- 9CJI Harry Uebel.....2336 S. 18th St., St. Louis, Mo.
- 9CJL Radio Service Station.....1000 Sumner St., Berlin, Wis.
- 9CJM Floyd H. Arvanette.....First & Hastings Sts., Hastings, Neb.
- 9CJN Harry A. Wright.....256 Wabash Ave., Oakland, Kans.
- 9CJO Homer J. Graves.....Plainview, Neb.
- 9CJP Prescott D. Crout.....219-23d St., Milwaukee, Wis.
- 9CJQ Phillip F. Walker.....Toulon, Ill.
- 9CJR Ben J. Chromy.....Hopkins, Minn.
- 9CJS George L. Gerner.....2000 W. 41st St., Rosedale, Kans.
- 9CJT Edward L. Ruth.....R. R. No. 3, Freeport, Ill.
- 9CJU Edward L. Beaver.....910 Third St., Milwaukee, Wis.
- 9CJV Marion J. Junkins.....Bryant, S. Dak.
- 9CJW Harry Nielsen.....4708 N. 39th St., Omaha, Neb.
- 9CJX Karl K. Hoagland.....501 S. Race St., Urbana, Ill.
- 9CJY Earle F. East.....2141 G St., Lincoln, Neb.
- 9CJZ George L. Edwards.....Gibson, Mo.
- 9CK William J. O'Neill, Jr.....123 Summit St., Downers Grove, Ill.
- 9CKA Theodore P. Kinn.....1224 California St., Denver, Colo.
- 9CKB Marvin Fallcatter.....328 S. State St., Wanpa, Wis.
- 9CKC R. H. Radabaugh.....2909 Fremont Ave., Minneapolis, Minn.
- 9CKD Charles H. Guillaume.....Elk Point, S. Dak.
- 9CKE Edgar W. Hubbard.....517 Cimarron Ave., LaJunta, Colo.
- 9CKF John D. McLane.....113-8th Ave. N., West Bend, Wis.
- 9CKG William F. Mathemeter.....Sixth St., Webster, S. Dak.
- 9CKH Joseph L. Jenkins.....1104 Burham Ave., Johnson City, Ill.
- 9CKI Burrirt Robinson.....Route No. 2, Kansas City, Mo.
- 9CKJ George H. Smith.....871-41st St., Milwaukee, Wis.
- 9CKK Tom D. Fox.....1603 Shelby Place, New Albany, Ind.
- 9CKL Melvin G. Thomas.....306 Jackson Ave., Seward, Neb.
- 9CKM Alex R. Meler.....Box 253, Russell, Kans.
- 9CKN George E. Perkins.....803 Main St., Sac City, Iowa
- 9CKO Lloyd C. Bolin.....1106 Michigan Ave., Menominee, Mich.
- 9CKP Anthony E. Meditz.....623 Sandusky Ave., Kansas City, Kans.
- 9CKQ Willis H. Ellison.....1906 Thalman Ave., Indianapolis, Ind.
- 9CKR Arden F. Henry.....1518 Camp Ave., Rockford, Ill.
- 9CKS Everett Haven.....2040 G St., Granite City, Ill.
- 9CKT Delbert V. Cummins.....Willmot, S. Dak.
- 9CKU Gregory S. Mallarian.....11421 N. Broadway, Fargo, N. Dak.
- 9CKV S. Forrest Martin.....416 S. Buchanan St., Maryville, Mo.
- 9CKW W. Edward Marquart.....103 S. Union Ave., Madison, S. Dak.
- 9CKX Burgess Lee Willman.....3503 E. 25th St., Indianapolis, Ind.
- 9CKY Stanley Carroll.....3322 Oakland Ave., Minneapolis, Minn.
- 9CKZ George F. Metcalf.....57 W. Chestnut St., Wawatosa, Wis.
- 9CL Clint McCollister.....400 N. 8th St., Independence, Kans.
- 9CLA Leslie Davis.....Perry, Mo.
- 9CLB Wallace Howard.....101 Arapahoe Ave., Boulder, Colo.
- 9CLC Unassigned
- 9CLD Lawrence A. Gustafson.....237 Forest Ave., Oakland, Kans.
- 9CLE Warren E. Lane.....2311 Longest St., Louisville, Ky.
- 9CLF Clifford R. Garrison.....7 Dartford Place, St. Louis, Mo.
- 9CLG Fredk. V. Trueblood.....2534 Madison Ave., Granite City, Ill.
- 9CLH M. D. McComas.....Courtland, Kans.
- 9CLI Gordon J. Kineston.....Giltner, Neb.
- 9CLJ Madison High School Radio Club.....W Center St., Madison, S. Dak.
- 9CLK Lowell L. Lindstrom.....Gresham, Neb.
- 9CLL Jesse D. Baldrige, Jr.....602 W. 4th St., Webb City, Mo.
- 9CLM James Turner.....200 N. Oakland Ave., Decatur, Ill.
- 9CLN Jacob L. Perlman.....1928 N. 6th St., Sheboygan, Wis.
- 9CLO John W. Thomas.....Main St., Sisseton, S. Dak.
- 9CLP Lawrence Wolfe.....502 E. Gale St., Williamsfield, Ill.
- 9CLQ Arthur E. Thomson.....400 E. Main St., Gas City, Ind.
- 9CLR Sidney C. Farwell.....2215 W. 5th St., Sioux City, Iowa
- 9CLR Alvin F. Koch.....210 W. College St., Albert Lea, Minn.
- 9CLS J. M. Swigert.....919-42d St., Des Moines, Iowa
- 9CLT Charles H. Schaaf.....266 Juneau Ave., Milwaukee, Wis.
- 9CLU Dana McNeill.....152 Pleasant Drive, Pierre, S. Dak.
- 9CLV Pat Deal.....113 S. Third St., Lindseborg, Kans.
- 9CLW Lee Ross Watts.....2708 Mondamin Ave., Des Moines, Ia.
- 9CLX Glenn Northfield.....2543 Jackson, N.E., Minneapolis, Minn.
- 9CLY Ralph C. Olson.....Burlingame, Kans.
- 9CLZ Francis J. Cosella.....1028 Clinton Ave., Oak Park, Ill.
- 9CMA Frank G. Packwood.....202 W. Davidson Ave., Chaffee, Mo.
- 9CMB J. M. Martin.....447 East St., Jacksonville, Ill.
- 9CME Edward N. Fridgens.....Third St., Trempealeau, Wis.
- 9CMF Karl E. Emerson.....639 Arcade St., St. Paul, Minn.
- 9CMG Roger McGrey Bury.....National Home, Danville, Ill.
- 9CMH Homer A. Huber.....2424 State St., Granite City, Ill.
- 9CMI Alfred B. Jer.....103 Fayette St., Pittsfield, Ill.
- 9CMJ Albert K. Moore.....R. F. D. No. 8, Sedalia, Mo.
- 9CMK Ross F. Mahacek.....402 Alleghany St., Austin, Minn.
- 9CML Eugene C. Volz.....108 W. Pearl St., Winamac, Ind.
- 9CMN William H. Shely.....720 Grand St., Springfield, Mo.
- 9CMO George G. Shely.....705 S. Clark Ave., Mexico, Mo.
- 9CMP Lytton C. Hetland.....Audubon, Minn.
- 9CMQ Nieland B. Van Arsdale.....2864 Bristol St., Omaha, Neb.
- 9CMR Charles L. Hopper.....2154 E. Adams St., Springfield, Ill.
- 9CMS Paul B. Nelson.....622 Main St., Anoka, Minn.
- 9CMN Samuel J. Saegesser.....2505 E. St., Granite City, Ill.
- 9CMO Racine Electric Shop.....1403 Washington Ave., Racine, Wis.
- 9CMP Kenneth Bolish.....112 E. Clark St., Channahon, Ill.
- 9CMQ Clyde E. Miller.....Bradfall Ave., Wahoo, Neb.
- 9CMR Harry R. Likens.....1420 E. Winchester Ave., Ashland, Ky.
- 9CMS Butler A. Isaman.....1104 N. Kan. Ave., Hastings, Neb.
- 9CMT Clifford H. Kelch.....R. 1, Box 5, E. Clear Lake, Iowa
- 9CMU Clinton L. Bopp.....108 Grand St., Milwaukee, Wis.
- 9CMV Alfred Riedel.....1476-24th St., Milwaukee, Wis.
- 9CMW Lowell W. Mahon.....527 Smithland Ave., LaJunta, Colo.
- 9CMX L. C. Roemisch.....P. O. Box 207, W. McHenry, Ill.
- 9CMY Leo Ross Clark.....Forest, Ill.
- 9CMZ Leo G. Halm.....R. N. 4, Box 83, West Allis, Wis.
- 9CN B. E. Lindholm.....1443 Foster Ave., Chicaeo, Ill.
- 9CNA William A. Jacoby, Jr.....326 Leavenworth, Kans.
- 9CNB Frederick Buck, Jr.....Deering, N. Dak.
- 9CNC James B. Corum.....503 N. 2d Ave., Marshalltown, Iowa
- 9CND Earl L. Pickett.....North Liberty, Ind.
- 9CNE Bert Worster, Jr.....1444 Second Av. E. Cedar Rapids, Ia.
- 9CNF H. F. Paar.....3207 E. 27th St., Kansas City, Mo.
- 9CNG Keith LaBar.....327 S. Fifth St., Minneapolis, Minn.
- 9CNH Peerless Electrical Company.....322 Third Ave. W., Cedar Rapids, Ia.
- 9CNI Douglas M. Perham.....219 W. Chestnut St., Louisville, Ky.
- 9CNJ William Kavanaugh, Jr.....360 S. Corona St., Denver, Colo.
- 9CNK George A. Hawkins.....506 Division St., Indianapolis, Ind.
- 9CNL Harry A. Stewart.....319 E. 10th St., Topeka, Kans.
- 9CNN Sinclair T. Peaster.....1205 S. 4th St., Forest City, Iowa
- 9CNS Richard L. Jensen.....

9CNO	Cecil R. Putnam	1246 N. Meade St., South Bend, Ind.	9CTI	The Lake View Radio Shop	1604 Belmont Ave., Chicago, Ill.
9CNP	O. C. P. Connelly	1302 E. Main St., New Albany, Ind.	9CTJ	Victor E. Loufak	1212 Bank St., Keokuk, Iowa
9CNG	Burton E. Brilar	R. F. D. No. 2, Virginia, Ill.	9CTK	Charles Savage	2103 "G" St., Granite, Ill.
9CNR	Newton H. Willis	224 Hartwell St., Waukesha, Wis.	9CTL	Eugene Hermann	380 Delmar Blvd., St. Louis, Mo.
9CNS	T. C. Shipley	Rushville, Neb.	9CTM	Lawrence Bever	818 S. 18th St., Centerville, Iowa
9CNT	Leonard M. Border	601 Meyer Ave., Connersville, Ind.	9CTN	Harrison M. Park	1357-13th St. N., Fargo, N. Dak.
9CNU	Theodore R. Border	601 Meyer Ave., Connersville, Ind.	9CTO	Sylvan H. Frase	2641 Hennepin Ave., Minneapolis, Minn.
9CNV	Wilmer M. Gelschlaeger	1513 Runion Ave., Ft. Wayne, Ind.	9CTP	H. C. Barrett	702 Anthony Ave., Anthony, Kans.
9CNW	Eugene H. Bacon	5843 Bartmer Ave., St. Louis, Mo.	9CTQ	Redmond C. Faullin	203 Army Ave., Champaign, Ill.
9CNY	Kenneth Meyer	369-5th Ave. S., St. Cloud, Minn.	9CTR	Fred Feuerborn	4270 Clarence Ave., St. Louis, Mo.
9CNZ	Frederick P. Watts	512 Fourth St., Independence, Kans.	9CTS	Finley C. Peacock	915 Howard St., Green Bay, Wis.
9CO	Carl F. Anderson	1126 Gibbs Ave., St. Paul, Minn.	9CTT	W. A. Hayward	6639 Normal Blvd., Chicago, Ill.
9COA	Jerome F. Shannon	914-9th Ave., Duluth, Minn.	9CTU	Edward A. Willis	Tates Creek Park, Lexington, Ky.
9COB	Winford W. Brown	416-8th Ave. S. E., Minneapolis, Minn.	9CTV	Marquis H. Ervin	509 Central St., Peoria, Ill.
9COC	Cyril T. Wall	3546 Avilton Ave., Chicago, Ill.	9CTW	C. Lee Herron	937 Central Ave., Le Mars, Iowa
9COD	Russell M. Plank	4227 Abbott Ave. S., Minneapolis, Minn.	9CTX	Michael K. Goetz	518 N. 25th St., St. Joseph, Mo.
9COE	Phil W. Sayles	1219 Knoxville Ave., Peoria, Ill.	9CTY	Burnham Gossett	514 Garfield Ave., Topeka, Kans.
9COF	Frank W. Niskern	613 First Ave., St. Cloud, Minn.	9CTZ	Arthur W. Breyer, Jr.	1222 Norfolk Ave., Norfolk, Neb.
9COG	Edmund A. Hogbin	5658-A Coterbrilliant St., St. Louis, Mo.	9CU	W. A. Liggett	Viriden, Ill.
9COH	Elmer G. Leachman	R. R. No. 3 Lelia, Ky.	9CUA	Joel C. Livingston	402 W. Lynn St., Springfield, Mo.
9COI	Max R. Shepher	617 E. 13th St., Kansas City, Mo.	9CUB	Tom North	1510 Laurel Ave., St. Paul, Minn.
9COJ	Harold R. Nerger	Webster, S. Dak.	9CUC	George E. Johnson	2419 South St., Lincoln, Neb.
9COK	Donald Lee	111 E. 13th St., Harper, Kans.	9CUD	Fred W. DeZonia	1924 W. Logan St., Muncyboro, Ill.
9COL	Quentin Swigart	838 Avenue "A", Galesburg, Ill.	9CUE	Robert F. Gephart	R. R. No. 1, Edinburg, Ind.
9COM	Edwin W. Landgraf	Peachontas, Mo.	9CUF	Floyd E. Norwile, Jr.	7387 Maple St., Maplewood, Mo.
9CON	William W. Roper	410 E. Bryan St., Hopkinsville, Ky.	9CUG	Milton Welhelter	4250 Athlone Ave., St. Louis, Mo.
9COO	Mason B. Webb	946 S. Third St., Louisville, Ky.	9CUH	George P. Hizenbaugh	W. Church St., Dallas, Iowa
9COP	Freeman & Gabbert Radio Co.	Clay Center, Kans.	9CUI	Glenn H. Lihbine	2222 California Ave., Ft. Wayne, Ind.
9COQ	C. J. Bartling	1101 W. Poplar St., Taylorville, Ill.	9CIJ	Herbert S. Wilhelm	1817 Kansas Ave., E. St. Louis, Ill.
9COR	James L. Woods, Jr.	McGregor, Iowa	9CIK	Henry J. Ransom	321 Adams St., Jefferson City, Mo.
9COS	Florian J. Harriman	903 Perry St., Appleton, Wis.	9CIL	Cyril H. Smith	1713 S. 4th St., Madison, Ill.
9COT	George S. Banks	744 N. 3d St., Minneapolis, Minn.	9CUM	S. F. Bassett	433 2 Beverly Pl., St. Louis, Mo.
9COU	William J. Mueller	522 E. Boonville St., Sedalia, Mo.	9CUN	Michael Eblinger	4331 Gresham St., St. Louis, Mo.
9COV	F. Raymond Linda, Jr.	Gore Av. & Glendale Rd., Web. Gr. Mo.	9CUO	John D. Halmes	Lena, Ill.
9COW	Joseph L. Turre	706-18th St., Denver, Colo.	9CIW	Wallace T. Hansen	Ranchoft, Neb.
9COX	James H. Bell	2821 Prairie Ave., Mattoon, Ill.	9CIY	James B. Pollard	2951 E. 11th Ave., Denver, Colo.
9COY	James C. Banbow	Hubbard, Iowa	9CIZ	Francis J. Fox	3501-11th Ave., Minneapolis, Minn.
9COZ	Fred Post	R. D. 3, Box 2, North Rd., Auburn, Ill.	9CJA	Robert G. Laefel	25 Sarah Ave., Webster Groves, Mo.
9CP	John R. Miller	866 Calumet Ave., Hammond, Ind.	9CJB	Frank E. Erns	Dalavan, Minn.
9CPA	Corda DeLong	2217 Shelby Ave., Mattoon, Ill.	9CJC	Claude H. Ervin	1809 Broadway, Parsons, Kans.
9CPB	Ray E. Norene	2404 Crown Point Ave., Omaha, Neb.	9CJD	Charles H. Humes	1408 Custer Ave., Chicago, Ill.
9CPC	H. J. Nemece	816-14th St., Cedar Rapids, Iowa	9CJE	Vitrel Spear	Melcher, Iowa
9CPD	Leslie C. Adams	201 S. Vermont St., Mason City, Iowa	9CJF	C. C. Balnes	24 S. 8th St., Terre Haute, Ind.
9CPE	H. A. Wells	2147 Hazel St., Indianapolis, Ind.	9CJG	Paul E. Huston	3946 Guilford Ave., Indianapolis, Ind.
9CPF	W. Harry Jennings	1020 First Ave. E., Cedar Rapids, Ia.	9CJH	Howard L. Secrest	Castle Hill, Iowa
9CPG	Verne K. Reeder	4901 Fletcher Ave., Indianapolis, Ind.	9CJA	Roy L. Thorp	Second & Edith Sts., Muncyboro, Ill.
9CPH	Kenneth I. Waughal	1319 Elm Drive, Mason City, Iowa	9CJB	Phyllis A. Wachtell	123 W. Adams St., Muncie, Ind.
9CPI	Charles C. Mirick	Chelsea, Iowa	9CJC	Herbert Wall	1440 Oak St., Denver, Colo.
9CPI	Charles G. Pelton	420 Independence Ave., Waterloo, Iowa	9CJD	Joseph J. Bremken	217 N. 26th St., Omaha, Neb.
9CPK	Herschel O. Stoner	Fairfax, Mo.	9CJE	Dale M. Ashby	415 N. Church St., Glean City, Ill.
9CPL	Donald E. Wilson	1438 Newberry Ave., Marinette, Wis.	9CJF	Leonard M. Schwabe	509 N. William St., Columbia, Mo.
9CPM	Merrill A. Freeland	R. R. No. 1, Dalton City, Ill.	9CJG	Fred C. Helms	Wilson, Kans.
9CPN	Joseph P. Rilly, Jr.	R. F. D. No. 6, Park Av., Attica, Ind.	9CJH	Willis E. Ranney	1646 Beachwood Ave., Louisville, Ky.
9CPO	Norton H. Schensted	Broton, Minn.	9CJI	Edward T. Howell	641 Van Buren St., Milwaukee, Wis.
9CQP	Stanford R. Greer	St. Joseph, Minn.	9CJJ	Paul M. A. Miller	912 N. 8th St., Fargo, N. Dak.
9CQR	Herbert M. Hanson	810 McKenzie St., Luverne, Minn.	9CJK	Edwin J. DeCosta	Box 153 Lake Villa, Ill.
9CQS	Carl E. Rhode	128 N. Main St., Eureka, Kans.	9CJL	Carl P. Budka	Gore & Glendale Rd., Webster Gr. Mo.
9CPT	Victor Marlowe	128 N. Main St., Eureka, Kans.	9CJM	William R. Coyne	131 Sheridan Av. N., Minneapolis, Minn.
9CPT	Glen F. Franz	524 Bluff St., Beloit, Wis.	9CJN	John F. Palmquist	2908 S. 42d Ave., Minneapolis, Minn.
9CPU	L. J. Schnell	820 N. Pine St., Colorado Springs, Colo.	9CJO	Harold W. Stebens	5772 DeGruerville St., St. Louis, Mo.
9CPV	Harold A. Sears	Eureka, Kans.	9CJP	James P. Burke	3011 Union Ave., St. Louis, Mo.
9CPW	John E. Cook	R. F. D. 5 Box 154, Independence, Mo.	9CJQ	Noel Rader	4433 Clarence Ave., St. Louis, Mo.
9CPX	Everett L. Ware	R. F. D. No. 1, Stanford, Ky.	9CJR	Albert B. Marshall	950 S. 5th St., Louisville, Ky.
9CPY	Elmer A. Scheer	4453 Margaretta St., St. Louis, Mo.	9CJS	Frederick Mumm	7219 Jackson Blvd., Forest Park, Ill.
9CZZ	George R. Ceal	1529 Grandview Blvd., Sioux City, Iowa	9CJT	Bernhard W. Alden	723 N. 9th St., Kansas City, Kans.
9CR	Charles J. Reiss	1262 Argyle St., Chicago, Ill.	9CJU	Norbert W. Knoernschild	644-28th St., Milwaukee, Wis.
9CRA	Victor Sterninski	1506-4th Ave., Milwaukee, Wis.	9CJV	Richard D. Lesholm	2616-4th Ave. S., Minneapolis, Minn.
9CRB	Cornell College	Mount Vernon, Iowa	9CJW	Edward Goodberlet	3712 Finney Ave., St. Louis, Mo.
9CRC	Russell B. Remnaker	R. F. D. No. 3, Converse, Ind.	9CJX	Richard H. Fitch	1408 Canfield St., Yankton S. Dak.
9CRD	Leo Mancer	819 Rudd Ave., Canon City, Colo.	9CJY	Edward D. Lindsay	1017 Admiral Blvd., Kansas City, Mo.
9CRE	Ernest A. Kamp	701 Locust St., St. Louis, Mo.	9CJZ	L. M. Turner	412 State St., Beloit, Wis.
9CRF	Wasthous Electric & Mfg Co.	32 S. Pearl St., Chicago, Ill.	9CWA	Arthur J. Willing	325 Monroe Ave., River Forest, Ill.
9CRG	Clark B. Phillips	405 Lincoln Ave., Hot Springs, S. Dak.	9CWB	Orene G. Cathcart	1404 E. Third St., Winfield, Kans.
9CRH	Arthur M. Garrett	3014 Main St., Marvill, Mo.	9CWC	George Furtney	1302 Wilson Ave., Columbia, Mo.
9CRI	Ted Johnson	2419 South St., Lincoln, Neb.	9CWD	Lincoln J. Stims	850 Faulkner Ave., Wichita, Kans.
9CRJ	Lewis W. Bear	Newton, Ind.	9CWE	John R. Greene	Gore & Glendale Rd., Webster Gr. Mo.
9CRK	Edward W. Stone	3107 E. Harrison St., Springfield, Mo.	9CWF	Leo Conner	Broadway, Greenwood, Ind.
9CRL	George C. Wallace	2508 Taylor St. N.E., Minn. Polks, Minn.	9CWG	John N. Burnside	112 Boone St., Boone, Iowa
9CRM	Ronald F. Piner	307 W. 1st St., West Plains, Mo.	9CWH	Thomas J. Clinton	1206 S. 15th St., Springfield, Ill.
9CRN	Carl J. Madsen	Mermer, Neb.	9CWI	Norman J. Atwell	Dexter, Minn.
9CRO	Donald R. Gordon	1634 Ludlow Ave., Indianapolis, Ind.	9CWL	Everett Stone	90 Peaslee St., Houghton, Mich.
9CRP	Karl O. Pntinen	Hars. Co. 1st Bn. 3d Inf., Ft. Snelling	9CWM	T. R. Becker	1176 Gaylord St., Denver, Colo.
9CRQ	Erwin M. Vardon	702 Cottage Grove Av., South Bend, Ind.	9CWN	Vance E. Olson	847 E. 57th St., Chicago, Ill.
9CRS	John M. Stevenson	Tarkio, Mo.	9CWO	Edwin S. Van Buskirk	829-14th St., Denver, Colo.
9CRT	George V. Horne	711 Goodfellow St., St. Louis, Mo.	9CWP	Herbert T. Hingen	224 Dakota Ave., Wahpeton, N. Dak.
9CRU	George A. Scherer	117 N. McCann St., Kokomo, Ind.	9CWP	Harry Samuels	411 N. 7th St., St. Louis, Mo.
9CRV	Edgar W. Stewart	Fairfax, Mo.	9CWX	C. W. Otis	17 E. Washington St., Greencastle, Ind.
9CRW	Arthur Foster	517-5th Ave., Milwaukee, Wis.	9CWP	Thomas E. Lontcan	1247-6th St., Beloit, Wis.
9CRX	Thomas M. Edmunds	3017-10th Av. S., Minneapolis, Minn.	9CWX	David C. Maloney	1824 Pine St., Muncyboro, Ill.
9CRY	John H. Brining	111 E. Adams St., Havana, Ill.	9CWR	Edwin L. Benton	292 Main St., LaCrosse, Wis.
9CRZ	Joseph H. Mills, Jr.	302 Wadsworth Ave., Collinsville, Ill.	9CWS	Robert F. Edgar	3821 S. 4th Ave., Minneapolis, Minn.
9CS	Arthur E. Olson	54 W. American St., Freeport Ill.	9CWT	John H. Smith	986 E. Main St., Jeffersonville, Ind.
9CSA	Dan I. Bailey	525 Kenilworth Ct., Clinton, Iowa	9CWU	Henry S. Duttweiler	R. F. D. No. 1, Lockridge, Iowa
9CSB	Walter J. Muir	1831 W. Park Ave., Chicago, Ill.	9CWV	Verner Hicks	901 S. Merhanic St., Marion, Ill.
9CSB	John V. Butterfield	1614 W. Main St., Knoxville, Iowa	9CWW	Robert H. Freeman	Chicago Ranch, Briggsdale, Colo.
9CSB	Weldon N. Lambert	1910 Washington St., Columbus, Ind.	9CWX	Clarence A. Brockert	911 W. Main St., Plattville, Wis.
9CSB	Charles V. Meth	Arthur, Neb.	9CWX	Frank Ruhacek	R. F. D. No. 1, Cedar Rapids, Iowa
9CSF	Charles S. Powell	714 Locust St., St. Louis, Mo.	9CWX	Paul Wichman	Belmont, Wis.
9CSG	William Nassour	825 N. Nevada St., Colorado Spgs., Colo.	9CX	William P. Willing	610 N. Grove St., Oak Park, Ill.
9CSH	Radio Apparatus Co., Inc.	1625 Howard St., Omaha, Neb.	9CXA	Ben Herr	R. F. D. No. 3, Lebanon, Ind.
9CSH	Robert E. Burchard	6505 Hobart St., Wellston, Mo.	9CXB	Garvin H. Dvar	1321 Concord St., Springfield, Mo.
9CSI	Leo A. Hilde	201 Adams St., Oconto, Wis.	9CXC	Albert W. Brown	315 N. Meridian St., Lebanon, Ind.
9CSJ	Ralph Schlegel	2524 Portland Ave., Minneapolis, Minn.	9CXD	Robert Van Derwarr	1305 Park Ave., Racine, Wis.
9CSL	Harry G. Crofts	St. David, Ill.	9CXE	Carroll J. Burnside	322 Quiner St., Randolph Ctr., S. Dak.
9CSM	William Kennebeck	Main Ave., McHenry, Ill.	9CXF	Clemens E. Snellman	810 Ellis St., Bozette, Neb.
9CSM	Edward J. Bromley, Jr.	LaGrange, Wis.	9CXG	Robert F. Bartl	1515 State St., LaCrosse, Wis.
9CSO	Burr W. Deal	816 W. 10th St., Owensboro, Ky.	9CXH	Leo L. Drolet	265 Main St., Bourbans, Ill.
9CSO	Veris W. Williams	P. O. Box 182, Care City, Ky.	9CXI	A. G. Schwerling	733 Linden Ave., Newart, Ky.
9CSO	Rob R. Ronnman	R. F. D. No. 1, White Bear, Minn.	9CXJ	William L. Cobb	2908 Arsenal St., St. Louis, Mo.
9CSR	Herman Asmus	3002 Peters Ave., Sloux Ctr., Iowa	9CXK	William Barrett	3900 Gilham Rd., Kansas Ctr., Mo.
9CST	Harold L. Olesen	922 N. St. John's Av., Highl'd Pk., Ill.	9CXL	Theresa E. Finnell	621 E. Water St., Postle, Ill.
9CST	Henry H. Gutmann	2816 S. Park Ave., Chicago, Ill.	9CXM	Chester Roney	110 N. Hall St., Webb Ctr., Mo.
9CST	Lyvne B. Greene	4224 Harrison St., Kansas City, Mo.	9CXN	George E. Marshall	2045 S. Lawrence St., Wichita, Kans.
9CSU	Frederic A. Tull	Janel, Ind.	9CXO	Taylor H. Patsley	3706 Washington St., Kansas Ctr., Mo.
9CSV	Victor Stones	571 Harner Ave., Webster Groves, Mo.	9CXP	Eugene S. Strout, Jr.	303 W. 4th St., Waterloo, Iowa
9CSW	Harold McMaster	824 E. Thompson St., Taylorville, Ill.	9CXY	Harry R. Heuer	5666 Cabanne Ave., St. Louis, Mo.
9CSX	Emmet Platten	218 Oakland Ave. N., Green Bay, Wis.	9CXR	Elmer C. Madson	Wayne Block, Yankton, S. Dak.
9CSY	George R. Fike	4309 Pleasant St., Des Moines, Iowa	9CXS	Clolee Wagner	Main St., West McHenry, Ill.
9CSZ	Frank F. Schubert	4011 Magnolia St., St. Louis, Mo.	9CXT	Richard M. Purinton	154-9th St., Lincoln, Ill.
9CT	W. A. Holt	4295 Pearl St., Chicago, Ill.	9CXU	Roy E. Gorzney	512 Morris St., Wmrrison, Ill.
9CTA	J. Joe Graham	703 W. Court Ave., Winterset, Iowa	9CXV	William W. Eymmer	811 Douglas Ave., Yankton, S. Dak.
9CTB	Flored N. Newton	303 Martin St., Muncie, Ind.	9CXW	David E. Sparks	3638 Rakeby St., Chicago, Ill.
9CTC	Archib. H. Fitzleston	1115 N. 11th St., Springfield, Ill.	9CXX	William L. Perdue	104 Brown St., Hopkinsville, Ky.
9CTD	Archib. and Harold E. Pohl	310 Linn St., Boone, Iowa	9CXY	Fred L. Reed	29044 Arsenal St., St. Louis, Mo.
9CTE	Edward T. P. Niespodziany	2118 W. Kenwood St., So. Bend, Ind.	9CZZ	Hilton Hushower	722 Pennsylvania Ave., South Bend, Ind.
9CTF	Robert F. Allen	309 Indiana Ave., Mendota, Ill.	9CY	Walter A. Stenberg	2243 Roscoe St., Chicago, Ill.
9CTG	Ernest I. Nowak	1010 S. 18th St., St. Joseph, Mo.	9CYA	Clark Radio Shop	128-38 S. Second St., DeKalb, Ill.
9CTH	Lajoje Wenstern	Ellendale, N. Dak.	9CYB	Raymond L. Herebert	1619 Union Ave., St. Louis, Mo.



Table listing radio call letters (e.g., 9CYC, 9CDY, 9CDE) and corresponding names and addresses. The list is organized in two columns, with the right column starting at 9DCY. Each entry includes a call letter, a name, and a street address with city and state.

9DHS Marvin E. Haseltine..... 225 7th St. S. E., Minneapolis, Minn.  
 9DHU John A. Kinsella..... 1015 N. Wells St., Chicago, Ill.  
 9DHW John Stebley..... 926 S. Victoria St., Waukegan, Ill.  
 9DHY Richard J. Parker..... 8922 Lamin St., Chicago, Ill.  
 9EHW Eugene F. Dooley..... 6835 Chappel Ave., Chicago, Ill.  
 9DHX John G. Dougherty, Jr..... 420 W. Carpenter St., Jerseyville, Ill.  
 9DHY Robert L. Nolan..... 2455 Poplar St., Kansas City, Mo.  
 9DHZ Fay Sadorus..... 408 E. Oregon St., Urbana, Ill.  
 9DI Herbert J. Ellis..... 526 E. 63d St., Chicago, Ill.  
 9DIA Howard M. Woods..... 1003 E. Main St., Washington, Iowa  
 9DIB Gordon Knox..... 2503 E. 37th St., Kansas City, Mo.  
 9DIC Wilfred Grabner..... 612 W. Washington B'd., Ft. Wayne, Ind.  
 9DID John E. Erdman..... Webster, S. Dak.  
 9DIE Walter S. Huxford..... Box 136, Pawnee City, Nebr.  
 9DIF Richard B. Greig..... 1100 Wenonah Ave., Oak Park, Ill.  
 9DIG Ross W. Swift..... 10 Fifth St., LaGrange, Ill.  
 9DIH Ralph A. Dieksen..... 7318 Kingston Ave., Chicago, Ill.  
 9DIJ George J. Wood..... 1311 Margaret Place, Milwaukee, Wis.  
 9DIK Stanley Pachner..... 1917 Blue Island Ave., Chicago, Ill.  
 9DIL Unassigned..... 537 Elmwood St., Oak Park, Ill.  
 9DIM Herbert Nelson.....  
 9DOM Unassigned.....  
 9DIN Camp Roosevelt..... Rolling Prairie, Ind.  
 9DIO Oliver C. Kuehnel..... 408 19th St., Milwaukee, Wis.  
 9DIP Howard H. Dietrich..... 216 S. 15th St., Richmond, Ind.  
 9DIQ John Stapp..... 2323-12th St., Rock Island, Ill.  
 9DIR Hubert O. Carlson..... 4112 S. Bryant Ave., Minneapolis, Minn.  
 9DIS Robert Bartl..... 1515 State St., LaCrosse, Wis.  
 9DIT Robert D. Burghardt..... 2439 Laurel Ave., Omaha, Nebr.  
 9DIU Ralph F. Miner..... 430 Main St., Oshkosh, Wis.  
 9DIW Percy F. W. Bennett..... 1015 Ramsey St., St. Paul, Minn.  
 9DIY Hannibal High School..... 909 Bluff St., Hannibal, Mo.  
 9DIX Ernest D. Oakley..... 1608 Missouri Ave., Superior, Wis.  
 9DIY William A. Irvin..... 1708 W. 35th St., Kansas City, Mo.  
 9DIZ Raymond H. Bliesner..... 36th & National Aves., Milwaukee, Wis.  
 9DJ George H. Kenyon..... 4555 Ellis Ave., Chicago, Ill.  
 9DJA Robert Valentine, Jr..... 303 Jerome St., Marshalltown, Iowa  
 9DJB Richard W. Groendycke..... 3808 Wyoming St., Kansas City, Mo.  
 9DJC Donald Wangella..... 1309 31st St., Rock Island, Ill.  
 9DJD F. M. Blansett..... Cedar Gap, Mo.  
 9DJE Fred Pentlargo..... Box 24, Hanover, Ind.  
 9DJF John Schaefer.....  
 9DJG John W. Lozier..... 1017 Elgin Ave., Forest Park, Ill.  
 9DJH Hoyt Hustuller..... 226 Meacham Ave., Park Ridge, Ill.  
 9DJI Douglas W. Matthews..... 409 Euclid Ave., Pittsburg, Kans.  
 9DJJ Eugene S. Northrop..... 15 W. Fourth St., Junction City, Kan.  
 9DJK Lewis W. Florman..... 429 Benton Blvd., Kansas City, Mo.  
 9DJL Unassigned..... 213 Fisher Ave., McPherson, Kans.  
 9DJM Sherman Bros..... 01 1/2 S. Federal Ave., Mason City, Ia.  
 9DJN Russell Pelle..... 2704 Jefferson St., Louisville, Ky.  
 9DJO William E. Cheshire..... 513 10th St., Rockford, Ill.  
 9DJP Edward Allen..... 1710 Matheny Ave., Springfield, Ill.  
 9DJP Howard R. Slisson..... Maysville, Mo.  
 9DJR Lambert Jones..... 218 Election St., Benton, Ill.  
 9DJS Clarence Ellis..... 1215 S. 11th St., Terre Haute, Ind.  
 9DJT Forrest G. Eakman..... Main St., Keittsburg, Ill.  
 9DJU George E. M. Hoke..... 27 University St., W. Lafayette, Ind.  
 9DJV John F. F. Born..... 6042 Ingle-side Ave., Chicago, Ill.  
 9DJW Elliott K. Hayes..... 259 31st St., Milwaukee, Wis.  
 9DJX Pay W. Medhurst..... 500 Maple St., Red Oak, Iowa  
 9DJY Leland L. Rentschler..... 364 Day St., Galesburg, Ill.  
 9DZ James Delos Fender..... Box 614, Ashland, Nebr.  
 9DK William H. Hobbs..... 1463 S. 2d St., Louisville, Ky.  
 9DKA Chester John Corrigan..... 318 Sanders St., Indianapolis, Ind.  
 9DKB Leonard H. Weeks..... 908 Washington St., Detroit, Minn.  
 9DKC L. M. Endras..... 209 S. 36th St., Omaha, Nebr.  
 9DKD Leonard E. Whiting..... Mahanomen, Minn.  
 9DKE Stuart H. Pringle..... 811 7th St., Red Oak, Iowa  
 9DKF Roger I. Wilkinson..... 1112 12th St., N. E., Mason City, Ia.  
 9DKG Glenn S. Meader, 4740 S. Fremont Ave., Minneapolis, Minn.  
 9DKH Virgil Swearingen..... 501 N. Willis Ave., Champaign, Ill.  
 9DKI Edward Hardebeck..... Marissa, Ill.  
 9DKJ Burlington High School..... 920 University Place, Burlington, Iowa  
 9DKK Clarence E. Wright..... 4528 Claremont Ave., Chicago, Ill.  
 9DKL Konstantinos B. Dokas..... 622 S. 8th St., Minneapolis, Minn.  
 9DKM Richard A. Vanderlippe..... 1434 "O" St., Lincoln, Nebr.  
 9DKN Riley A. Key..... 204 Walnut Ave., Morocco, Ind.  
 9DKO Marguerite Marie Peterson..... 1524 Harrison St., Davenport, Iowa  
 9DKP William W. Daniel..... 430 Cedar St., Owensboro, Ky.  
 9DKQ Harry B. Manning..... 614 S. Main Ave., Sioux Falls, S. D.  
 9DKR William H. Dorval..... Caledonia, Minn.  
 9DKS Francis Perrin..... Velva, N. Dak.  
 9DKT Ted R. Gilliland..... 402 Avenue C, Danville, Ill.  
 9DKU Kenneth A. Snow..... 4916 Washington Blvd., St. Louis, Mo.  
 9DKV Vance R. Calvert..... Hobart, Ind.  
 9DKW Walter Marlin..... R. No. 5, Columbus Junction, Iowa  
 9DKX Lewis R. Jewell, Jr..... 3631 Lakota Ave., Kansas City, Mo.  
 9DKY Milton H. Decker..... 310 N. Georgia Ave., Mason City, Ia.  
 9DKZ O. W. Nelson..... 1528 E. 76th Pl., Chicago, Ill.  
 9DL Elmer I. Stein..... 4237 N. Lincoln St., Chicago, Ill.  
 9DLA Albert L. Woody..... Burr Oak Ave., Homewood, Ill.  
 9DLB East High School..... Cent'l Av & 4th S.E., Minneapolis, Minn.  
 9DLC Leslie Syaub..... 718 N. Hampshire St., Lawrence, Kans.  
 9DLD Bert E. Burdick, Jr..... 909 Washington Ave., Racine, Wis.  
 9DLE Merton S. Williams..... 4716 S. Colfax St., Minneapolis, Minn.  
 9DLF John A. Gargrave..... Box 135, Aneta, N. D.  
 9DLG Robert Hammersberg..... 1722 Charles St., LaCrosse, Wis.  
 9DLH Harold H. Wood..... 426 E. 4th St., New Albany, Ind.  
 9DLI Nedwin K. Raasen..... Aneta, N. D.  
 9DLJ Clement J. Kozlowski..... 704 Fifteenth Ave., West Allis, Wis.  
 9DLK Robert D. Clayton..... 2555 S. Bryant Ave., Minneapolis, Minn.  
 9DLL Averill Tucker..... R. F. D. No. 5, Box 81, York, Nebr.  
 9DLM Danforth Barney..... 1645 E. 7th Ave., Denver, Colo.  
 9DLN George P. Honold..... 420 Superior St., Sheboygan, Wis.  
 9DLO Andrew B. Cunningham..... 408 S. Iowa Ave., Washington, Iowa  
 9DLP Carl Sturdy..... 1513 Seventh St., Marinette, Wis.  
 9DLQ Noble C. Lippincott..... Barron, Wis.  
 9DLR Loren H. Neigen..... 530 W. 5th St., Mt. Carmel, Ill.  
 9DLS Stanley R. King..... 917 S. 16th St., Mattoon, Ill.  
 9DLT Malcolm B. Magers..... 2720 Patee St., St. Joseph, Mo.  
 9DLU Robert H. Wardle..... 706 Third St., Ft. Madison, Iowa  
 9DLV Henry Kowinski..... 1338 Fourth Ave., Milwaukee, Wis.  
 9DLW Charles R. Coogle..... 2615 Bank St., Louisville, Ky.  
 9DLX Melvin C. Lapp..... Kensington Ave., Plymouth, Wis.  
 9DLY Robert P. Struve..... 2810 Iowa St., Davenport, Iowa  
 9DLZ Eutelle W. Berg..... 2607 Banks Ave., Superior, Wis.  
 9DM Andrew Fischer, Jr..... 811 Cass St., Chicago, Ill.  
 9DMA Alva A. Smith..... Washington St., Caledonia, Minn.  
 9DMB Unassigned.....  
 9DMC Clarence E. Nash..... 113 First St., Neenah, Wis.  
 9DMD Lyons High School..... Main and Fifth Sts., Lyons, Iowa  
 9DME William A. Pringle..... 224 N. 6th St., Lyons, Iowa  
 9DMF Henry L. Marx..... 1541 Birchwood Ave., Chicago, Ill.  
 9DMG Unassigned.....  
 9DMH Celestine Tanck..... 609 Pearl St., Lyons, Iowa  
 9DMI Ralph W. Bittel..... 1411 E. High St., Davenport, Iowa  
 9DMJ Delmar W. Fowler..... 4940 Botanical Ave., St. Louis, Mo.

9DMK Harry N. Thompson..... 4710 Winthrop Ave., Chicago, Ill.  
 9DML Harry H. Lucker..... 1934 S. Hamlin Ave., Chicago, Ill.  
 9DMM George Kostka..... 2347 S. Ridgeway Ave., Chicago, Ill.  
 9DMN Elbert Thompson..... 239 Hickory St., Clinton, Iowa  
 9DMO LaCrosse High School..... 16th and Cass Sts., LaCrosse, Wis.  
 9DMP John M. Loyton..... Locust St., Minonk, Ill.  
 9DMQ Harold J. Prebensen..... 175 E. North Water St., Neenah, Ind.  
 9DMR Zinal Elton Bates..... 1680 Upper Second St., Evansville, Ind.  
 9DMS Charles G. Triem..... 1323 Canton St., Omaha, Nebr.  
 9DMT Gerhard O. Ovrebo..... Aneta, N. Dak.  
 9DMU G. L. Anderson..... 2020 Main St., Shelbyville, Ill.  
 9DMV Ira Paul Price..... 303 E. Main St., Odessa, Mo.  
 9DMW William K. Kennedy..... Main St., Mound City, Ill.  
 9DMX Milton Kallscher..... 6000 Mt. View Blvd., Denver, Colo.  
 9DMY Rhea Johnson..... 1322 Lunt Ave., Chicago, Ill.  
 9DMZ Earl O. Swickard..... Newman, Ill.  
 9DN Popini and Haupt..... 31 Morgan St., Chicago, Ill.  
 9DNA Jerome F. Smocina..... 4226 W. 26th St., Chicago, Ill.  
 9DNE James A. Madson..... 1324 S. Third Ave., Fargo, N. Dak.  
 9DNC Paul Palmer..... 3145 "S" St., Lincoln, Nebr.  
 9DND William F. Livingston..... High School Bldg., Stoughton, Wis.  
 9DNE Malcolm D. Arnett..... 1722 S. Nevada, Colorado Spgs., Colo.  
 9DNF Jacob G. Harden..... R. R. No. 3, Greenwood, Ind.  
 9DNG Clyde C. Stream..... 2377 Elmwood St., Kansas City, Mo.  
 9DNH Surefire Radio Lab..... 512 N. Randolph St., Macomb, Ill.  
 9DNI Robert E. Bartlett..... 317 S. Penn. Ave., Columbus, Kans.  
 9DNJ Donald E. Maxham..... 720 West Grove St., Mishawaka, Ind.  
 9DNK Richard H. Ferris..... Macon, Ill.  
 9DNL Elmer Engel..... 1227 S. 12th St., Mantowoc, Wis.  
 9DNM Lawrence F. Heck..... 1631 Packard Ave., Racine, Wis.  
 9DNN Walter Peterson..... 2101 Lynch St., East St. Louis, Ill.  
 9DNO Donald F. Silver..... 1117 California St., Columbus, Ind.  
 9DNP Nathan Strauss..... 1300 LaFayette St., Denver, Colo.  
 9DNQ Harold R. Phelps..... 2330 Carey Ave., Davenport, Iowa  
 9DNR Boy Scouts of America..... Mulberry St., Kokomo, Ind.  
 9DNS William Proudfoot..... 1135 Morse Ave., Chicago, Ill.  
 9DNT Oscar Larson..... 7400 Coles Ave., Chicago, Ill.  
 9DNU D. R. Burt..... Box 155, Brooklyn, Wis.  
 9DNV Clarence L. Beran..... Siemens St., Platteville, Wis.  
 9DNW Harold S. Williams..... 212 S. 5th St., Minneapolis, Minn.  
 9DNX Ervin C. Lix..... R. 1, Warrenton, Mo.  
 9DNY George C. Dyer..... Box 23, Warrenton, Mo.  
 9DNZ Eugene Fritschel..... Wartburg College, Clinton, Iowa  
 9DO James K. Douglas..... 85 Mason St., Milwaukee, Wis.  
 9DOA Louis R. Huber..... 502 Tilton, Iowa  
 9DOB Unassigned.....  
 9DOC Paul R. Kemper..... 502 5th Ave., S. E., Minot, N. Dak.  
 9DOD John C. Fisher..... Blandinsville, Ill.  
 9DOE Alfred Berktole..... 2107 E. 4th St., Duluth, Minn.  
 9DOF Otto L. Lühring..... Vine and 7th St., Hampton, Iowa  
 9DOG Harry Loudon..... 203 N. Randolph St., Champaign, Ill.  
 9DOI Gene J. McCully..... 1022 S. 16th St., Mantowoc, Wis.  
 9DOJ Horatio S. Jones..... 285 Linden Pk. Pl., Highland Park, Ill.  
 9DOK Unassigned.....  
 9DOK Benjamin J. Gilborne..... R. F. D., Winnebago, Minn.  
 9DOL Robert C. Hawn..... 2875 S. Holmes Av., Minneapolis, Minn.  
 9DOM Phil Konkle..... 53 Jefferson St., Winterset, Iowa  
 9DON R. D. Saragusa..... 1417 Morse Ave., Chicago, Ill.  
 9DOO Harry W. Olson..... 1335 Van Buren St., St. Paul, Minn.  
 9DOP Ernest L. Guttererson..... 2181 Doswell Ave., St. Paul, Minn.  
 9DOQ Floyd E. Parker..... 1563 Randolph St., St. Paul, Minn.  
 9DOR George F. Lytle..... 760 E. Elm St., Springfield, Mo.  
 9DOS Everett M. Renfro..... 6437 Langley Ave., Chicago, Ill.  
 9DOT Eugene Brautigan..... 1507 Selby Ave., St. Paul, Minn.  
 9DOU Arthur A. Morse, Jr..... 848 Goodrich Ave., St. Paul, Minn.  
 9DOV Ralph E. Goodwin..... Misonk, Ill.  
 9DOW T. L. Morris..... 555 College Ave., Valparaiso, Ind.  
 9DOX R. J. Sweeney..... 2418 Prairie St., Milwaukee, Wis.  
 9DOY Glenn E. Stombaugh..... North Liberty, Ind.  
 9DOZ William H. Flanagan..... 14 19th Place, Chicago Heights, Ill.  
 9DP Eugene H. Hartnell..... Salem, Wis.  
 9DPA John Liska..... 1611 Harvey Ave., Oak Park, Ill.  
 9DPB Floyd K. Johnston..... 3319 Larimore Ave., Omaha, Neb.  
 9DPC R. Curran Johnson..... 2629 Brighton Ave., Kansas City, Mo.  
 9DPE Marson High French..... 423 E. First St., Hutchinson, Kans.  
 9DPE Charles H. Siegfried..... 15 Quindaro Blvd., Kansas City, Kans.  
 9DPF Robert B. McCartney..... 3120 Vine St., Lincoln, Neb.  
 9DPG E. T. Mars..... 1114 Polk St., Omaha, Nebr.  
 9DPH F. L. Gaede..... W. Pearl St., Winamac, Ind.  
 9DPI John F. Leeder..... 3176 S. 13th St., Omaha, Nebr.  
 9DPJ Irvin N. Berens..... 570-27th Ave., Milwaukee, Wis.  
 9DPK J. C. Loebig..... Wesley, Iowa  
 9DPL Charles J. Bowers..... 1131 Virginia Ave., Kansas City, Kans.  
 9DPM Cyril J. Henry..... Brighton, Iowa  
 9DPN Raymond A. Osting..... 917 Hervey St., Indianapolis, Ind.  
 9DPO Samuel Porwancher..... 1624 St. Louis Ave., Chicago, Ill.  
 9DPP Herman D. Nelson..... R. R. No. 1, Fowler, Ind.  
 9DPE Paul L. Frykman..... 08 N. Melvin St., Gibson City, Ill.  
 9DPR Lee O. Blair..... 602 Winter St., Superior, Wis.  
 9DPS Clarence C. Ennes..... 4451 N. Tripp Ave., Chicago, Ill.  
 9DPT Clark W. Peterson..... 2121 Eastwood Ave., Chicago, Ill.  
 9DPU Glenn McCollough..... Fowler, Ind.  
 9DQ Roy W. Ide, Jr..... 326 Fourth St., Springfield, Ill.  
 9DQV William J. Kotera..... 1206 Dominion St., Omaha, Nebr.  
 9DQX Richard J. Cotton..... 1795 Lincoln Ave., St. Paul, Minn.  
 9DQY Robert R. Raiston..... 812 Pine St., Tarkio, Mo.  
 9DQZ Robert L. Stewart..... 214 S. Glenwood St., Peoria, Ill.  
 9QA Willard L. Birren..... 412 E. Arcadia St., Peoria, Ill.  
 9QAB Robert E. Taylor..... 307 W. Armstrong Ave., Peoria, Ill.  
 9QAC Unassigned.....  
 9QAD Loren H. Covey..... 902 S. Lincoln Ave., Urbana, Ill.  
 9QAE Carl W. Gartlein..... 1619 Grand Ave., Connersville, Ind.  
 9QAF Raymond E. McCormick..... 1450 "O" St., Lincoln, Neb.  
 9QAG Charles E. Bradich..... 1521 Market St., Wichita, Kans.  
 9QAH Howard Stanley..... 906 Monroe St., Kokomo, Ind.  
 9QAI Guerdon W. Smith..... 1143 Broadway, Boulder, Colo.  
 9QAJ G. A. Wade..... 1602 Hamilton St., Mantowoc, Wis.  
 9QAK Ole N. Berens..... 570-27th Ave., Milwaukee, Wis.  
 9QAL Maurice B. Miller..... Box 116, Sharon, N. Dak.  
 9QAM H. P. Sentman..... 1814 York St., Des Moines, Iowa  
 9QAN Samuel W. Crow..... 10 N. Main St., Fairmount, Minn.  
 9QAQ Richard Mates..... 410 Buchanan St., Topeka, Kans.  
 9QAR LeRoy R. Berglund..... 4123 N. Keeler Ave., Chicago, Ill.  
 9QAS Albert D. Malone..... 4117 N. Crawford Ave., Chicago, Ill.  
 9QAT William Lindberg..... 334 W. Malone Ave., Silkeston, Mo.  
 9QAU Felix Anderson..... 3018 14th Ave., Rockford, Ill.  
 9QAV Edward Victor Vasa..... 5567 Bowmanville St., Chicago, Ill.  
 9QAW Mark C. Spies..... 1320 S. Tripp Ave., Chicago, Ill.  
 9QAX Richard F. Fountain..... 1538 N. Edward St., Decatur, Ill.  
 9QAY Maplewood High School..... 1136 Talman Ave., Chicago, Ill.  
 9QAZ Benjamin McDonald..... Radio Club, Maplewood, Mo.  
 9QA0 Ralph E. Sanner..... 2406 St. Xavier St., Louisville, Ky.  
 9QA1 Gilbert L. Kelso..... Moweaqua, Ill.  
 9QA2 Unassigned..... Marengo, Iowa  
 9QA3 Leslie M. Scharfuch..... Marengo, Iowa  
 9QA4 Herman Van Allen..... 6713 N. Michigan Ave., St. Louis, Mo.  
 9QA5 W. B. Kenyon..... 3705 Paseo St., Kansas City, Mo.



Citizens Radio Call Book

9DRD	Emil A. W. Pits	1802 Wisconsin Av., New Holstein, Wisc.	9DW	Robert W. Carter	405 Whitley St., Jollet, Ill.
9DRR	Henry W. Rial	733 Vandalia St., Collinsville, Ill.	9DWA	Charles W. Lugar	R. No. 1, Box No. 1, Otterbein, Ind.
9DRF	Rudolph A. Froehlig	515 Garfield Ave., Milwaukee, Wisc.	9DWB	Thoburn T. Bender	216 N. Market St., Rockville, Ind.
9DRG	Melvin Redler	4182 Delmar Blvd., St. Louis, Mo.	9DWC	Unassigned	R. R. No. 1, Box 76, Winfield, Iowa
9DRH	Paul M. Blough	3228 W. 61st Place, Chicago, Ill.	9DWD	Phillip Ingmanson	1446 John Ave., St. Louis, Mo.
9DRI	Unassigned		9DWE	Harry J. Martin	620 S. Douglas St., Springfield, Ill.
9DRJ	Joseph Bernstein	1822 S. St. Louis Ave., Chicago, Ill.	9DWF	Stuart D. Park	40 E. Harrison St., Martinsville, Ind.
9DRK	Charles A. Hunter	804 Central Ave., Anderson, Ind.	9DWG	Nathaniel C. Norman	Main St., Groton, S. Dak.
9DRL	Harold E. Stepp	1810 Van Buren St., St. Paul, Minn.	9DWH	Earl R. Witzel	..... Polk, Neb.
9DRM	George C. Udry	122 E. 42d St., Corning, Ky.	9DWI	Earl Cole	..... Rockford, Iowa
9DRN	George S. Porter	R. R. No. 1, Lanesha, Ill.	9DWJ	C. M. Aurand	301 S. High St., Jackson, Mo.
9DRO	Roy J. Kuester	370 Naymut St., Menasha, Wisc.	9DWK	Alvin R. Uelete	701 S. Third St., Aberdeen, S. D.
9DRP	Charles A. Rosenbaum	683 29th St., Milwaukee, Wisc.	9DWL	Frank D. Chapman	518 N. Pine St., Seymour, Ind.
9DRQ	Jack W. Olsen	4124 Wyoming St., Marquette, Mich.	9DWM	Elbert S. Welch	1518 Hall St., East St. Louis, Ill.
9DRR	Robert S. Rose	410 E. Ridge St., Freeport, Ill.	9DWN	William Holzhauser	Pearl St., Mound City, Ill.
9DRS	Dana G. Bertalet	1327 S. Carroll Ave., Freeport, Ill.	9DWO	Charles R. Rice	712 Prairie Ave., Kenosha, Wisc.
9DRT	Norrelle R. DeRuy	801 S. Broadway, Pittsburg, Kans.	9DWP	William W. Vincent, Jr.	4541 Beacon St., Chicago, Ill.
9DRU	Garet Denise	1005 Cleveland Ave., Decatur, Ill.	9DWW	John MacCorkle	500 Jackson St., Negaunee, Mich.
9DRV	Jack Shafer	713 S. Dakota Av., Sioux Falls, S. D.	9DWR	Gordon C. Blee	805 S. 2d St., Champaign, Ill.
9DRW	Frank J. Whalen	1627 S. 10th St., St. Joseph, Mo.	9DWS	Fred R. Wiley	609 Division St., Webster City, Iowa
9DRX	Frank Seymour	308 S. Florida Ave., Columbus, Kans.	9DWT	Everett E. Richardson	855 Water St., Webster City, Iowa
9DRY	Oscar K. Rawson	R. F. D. No. 3, Woodstock, Ill.	9DWU	William C. Plumt	1117 Spies Ave., Menominee, Mich.
9DRZ	John M. Dawley	2183 Commonwealth Ave., St. Paul, Minn.	9DWW	Raymond A. Flankuch	2115 California St., Ft. Wayne, Ind.
9DS	Raymond E. Breunig	2252 Roscoe St., Chicago, Ill.	9DWW	William S. Winfield	4740 N. Ashland Ave., Chicago, Ill.
9DSA	Forrest Bryant	120 S. Arch St., Aberdeen, S. Dak.	9DXX	William F. Marquardt	353 Hartman St., Nappanee, Ind.
9DSB	Bonnie J. Tucholski	711 16th St., Racine, Wisc.	9DXY	Lemar Stoops	2720 Farnam St., Davenport, Iowa
9DSC	O. Willard Knauss	1406 Midway Parkway, St. Paul, Minn.	9DYZ	John L. Siegle	1124 University Ave., Denver, Colo.
9DSD	Phillip V. Wiley	612 Ave. A East, Hutchinson, Kans.	9DX	Jay F. Carpenter	1539 E. 83d St., Chicago, Ill.
9DSE	Unassigned		9DXA	Harold R. Hammond	.....
9DSF	Lloyd E. Nelson	1096 22d Ave. S.E., Minneapolis, Minn.	9DXB	Unassigned	608 S. 1st St., Eagle Grove, Iowa
9DSG	Elmer H. O'Neill	123 Summit St., Downer's Grove, Ill.	9DXC	Orval Hanson	517 Gertrude St., Burlington, Iowa
9DSH	Earl Sullaway	212 N. Clinton St., Collinsville, Ill.	9DXD	C. E. McGulgan	47 W. Main St., Mooresville, Ind.
9DSI	Herbert Carter	R. R. No. 2, Russierville, Ind.	9DXE	Kenneth M. White	Box 16, McClure, Ill.
9DSJ	Everitt Stewart	Keota, Iowa	9DXF	F. H. Hedges	756 Harvard Ave., University City, Mo.
9DSK	Fred V. Hines	1225 Davess St., Owensboro, Ky.	9DXG	Nyle H. and Karl Miller	303 N. Anthony Ave., Anthony, Kans.
9DSL	James H. Best	Cincinnati, Iowa	9DXH	Harold Huff	629 Carney Blvd., Marinette, Wisc.
9DSM	John B. Platner	110 N. 54th St., Omaha, Nebr.	9DXI	Paul Arvidson	608 Lowell St., Sifenandot, Iowa
9DSN	Claude Winslow	Box 301, Tonganoxie, Kans.	9DXJ	Wilton G. Harlow	1317 Darlington Av., Crawfordville, Ind.
9DSO	Robert A. Barrett	2235 E. 67th St., Chicago, Ill.	9DXK	Norman L. Jacklin	218 S. Vermilion St., Streator, Ill.
9DSP	Lloyd Randaue	1200 Merryman St., Marinette, Wisc.	9DXL	Rollin H. Stewart	3023 Blvd. Place, Indianapolis, Ind.
9DSQ	Milan J. Boer	527 Vroman St., Green Bay, Wisc.	9DXM	William F. Schoening	5010 Gravois Ave., St. Louis, Mo.
9DSR	William G. Pattison	730 Brown St., Columbus, Ind.	9DXN	Virlian F. Munson	328 Willard St., Kewanee, Ill.
9DSS	Charles W. Roeder	508 S. Jackson St., Bloomington, Ill.	9DXO	Unassigned	
9DST	Edmund B. Faslay	306a Poynts St., Manhattan, Kans.	9DXP	Herbert J. Meyer	Route 5, Box 25, Plymouth, Wisc.
9DSU	Elmer O. Carlson	3429 Palmer St., Chicago, Ill.	9DXQ	Erwin Bach	322 S. Willard St., Kewanee, Ill.
9DSV	Fred Cunningham	1200 8th St., Muncie, Ind.	9DXR	V. W. Kalvin	1419 Michigan Ave. S., Milwaukee, Wis.
9DSW	Gordon M. Larson	854 Park St., Fairmont, Minn.	9DXS	Frank Schachtely	79th and Summit Aves., Eagle Grove, Iowa
9DSX	Earl W. Rohling	Bellaflower, Ill.	9DXT	Everett D. Blackmann	114 S. Gadowell Ave., Eagle Grove, Iowa
9DSY	Wesley T. Miller	4904 Chicago St., Omaha, Nebr.	9DXU	John G. Bain	202 Coleman St., Clayton, Mo.
9DSZ	Walter G. Modlin	R. R. No. 1, Marion, Ind.	9DXV	Theodore Hansen	810 First St., Rockwell City, Iowa
9DT	Francis Johnson	Broadview Theo. Sem. La Grange, Ill.	9DXW	Paul A. Bloom	Winfield, Iowa
9DTA	Clifford M. Peters	Tonganoxie, Kans.	9DXX	Peter H. Quinby	Lot 111, Benson Gardens, Omaha, Neb.
9DTB	Unassigned		9DXY	George H. Riggle	388 S. Pearl St., Denver, Colo.
9DTC	Joseph A. Stoes	R. F. D. No. 3, Naperville, Ill.	9DZ	Boyd W. Nestlerode	Jackson and 17th Sts., Sioux City, Iowa
9DTD	Robert C. Wickwire	R. F. D., Dow City, Iowa	9DYA	Clarence H. Powell	916 S. Western Ave., Mexico, Mo.
9DTE	Joe E. Finch	1158 Ogden St., Denver, Colo.	9DYB	C. M. Smith	1018 W. 5th St., Dubuque, Iowa
9DTF	Carroll R. Preiss	216 E. 6th St., West Liberty, Iowa	9DYC	Kemper Smith	813 N. Mulberry St., Muncie, Ind.
9DTG	John A. Abbott	318 Elem St., West Liberty, Iowa	9DYD	R. D. Barnard	1527 Farwell Ave., Milwaukee, Wis.
9DTH	Randolph W. Gutshall	1638 Galena St., Aurora, Colo.	9DYE	Elbert M. Shideler	Manson, Iowa
9DTI	George C. Hume, Jr.	151 School St., Chilton, Wisc.	9DYF	Charles C. Welker	Pike and Brown, Vernon, Ind.
9DTJ	Herbert L. Wesolowski	Montgomery St., Francesville, Ind.	9DYG	Rudolph Pasternak	1018 Bay St., Superior, Wisc.
9DTK	Roman L. Wesolowski	4714 S. 26th St., Omaha, Nebr.	9DYH	Clifford H. Hurst	Long Point, Ill.
9DTL	Raymond A. Schults	121 1/2 S. 2d St., LaCrosse, Wisc.	9DYI	Joel F. Hanes	858 19th St., Milwaukee, Wis.
9DTM	William L. Fick	3391 W. Hayward Place, Denver, Colo.	9DYJ	Ernest M. Campbell	Steam at Springs, Colo.
9DTN	Arthur V. Raught	1006 Grand Ave., Racine, Wisc.	9DYK	George T. Fletcher	834 Federal St., Mason City, Iowa
9DTP	Irwin Truman	17 5th Ave. S.W., Aberdeen, S. Dak.	9DYL	Elmer J. Jaeger	Stambaugh Springs, Colo.
9DTP	John W. Ritchey	Main St., El Dorado, Kans.	9DYM	Carl L. Halden	Stromburg, Nebr.
9DTQ	Harry L. Ide	800 S. 4th St., Springfield, Ill.	9DYN	Delbert and Martin Koerner	Kempton, Ill.
9DTR	Frank T. Carter	Forrest, Ill.	9DYO	Nervel A. Cool	317 W. South St., Warrensburg, Mo.
9DTS	Edwin L. Early	1009 S. Locust St., Ottawa, Kans.	9DYP	John F. Martin	2350 S. Lawndale Ave., Chicago, Ill.
9DTT	Donald R. Hinkston	1020 Magnolia St., St. Paul, Minn.	9DYQ	Unassigned	2196 Cante Ave., St. Paul, Minn.
9DTU	Arthur G. Hebb, Jr.	2535 Washington St., Lincoln, Nebr.	9DYR	Monroe E. Freeman	303 Monroe St., Valparaiso, Ind.
9DTV	Russell L. Schoene	409 Harrison St., West Lafayette, Ind.	9DYS	Norville Joshua Rich	8649 Bloomington Av., Minneapolis, Minn.
9DTW	Donald A. Tucker	R. F. 2, No. 8, R. 12, Greencastle, Ind.	9DYT	Gerald B. Joyce	649 Crothersville, Ind.
9DTX	Donald Case	1625 Platte St., Denver, Colo.	9DYU	Charles J. Butler	Palmer, Ill.
9DTY	Ralph C. Eddy	Ladora, Iowa	9DYV	Jas. Carroll Corn	303 Cherry St., Mt. Carmel, Ill.
9DTZ	Ralph A. Hook	R. R. No. 3, Box 2, Eaton, Ind.	9DYW	Daniel & Bruce Pickrell	1116 Franklin St., Evansville, Ind.
9DUA	John W. Tucker	Peotone, Ill.	9DYX	Russell Phelps	605 Columbia Terrace, Peoria, Ill.
9DUB	Charles D. Flett	Milbank, S. Dak.	9DYY	J. F. Melody	048 Marshall St., St. Paul, Minn.
9DUC	Kenneth L. Cook	538 Pearl St., Denver, Colo.	9DYZ	Paul V. Brobst	Delafield, Wisc.
9DUD	Phillip R. Harrington	206 Pendleton St., Independence, Mo.	9DZ	St. Johns Military Academy	Manson, Iowa
9DUE	Unassigned		9DZA	Russell Virt	3722 Concord Place, Chicago, Ill.
9DUF	Vernon W. Palen	500 Pearl St., Sparta, Wisc.	9DZB	Sidonio L. DuBuclet	4451 Magnolia St., Chicago, Ill.
9DUG	Carol C. Paris	823 Sherman St. E., Hutchinson, Kans.	9DZC	Henry A. Holland	100 39th St., Milwaukee, Wisc.
9DUH	Lyle Bismar	109 S. Washington St., Green Bay, Wisc.	9DZD	Walter Friedrich	.....
9DUI	Theodore F. Anderson	911 6th Ave. S.W., Aberdeen, S. Dak.	9DZE	Unassigned	
9DUJ	Clarence J. Keller	1309 N. Illinois St., Belleville, Ill.	9DZF	Unassigned	
9DUK	James C. Evans	203 W. Quincy St., Pittsburg, Kans.	9DZG	Earl R. Linder	713 St. Louis Ave., E. St. Louis, Ill.
9DUL	Kempster W. Pyle	1308 Wilson Ave., Webster City, Iowa	9DZH	Unassigned	
9DUM	William E. Houk	1331 12th St., Eldora, Iowa	9DZI	L. J. Gates	507 Winona St., Winona, Minn.
9DUN	Unassigned		9DZJ	Unassigned	
9DUO	Henry Coudrier	2513 "J" St., Omaha, Nebr.	9DZK	Charles E. Armstrong	535 College St., Peoria, Ill.
9DUP	Roland A. Anderson	454 E. 15th St., Wahoo, Nebr.	9DZL	Unassigned	
9DUQ	Unassigned		9DZM	Unassigned	
9DUR	Harold C. Diddel	3433 Madison St., Denver, Colo.	9DZN	Unassigned	
9DUS	Agnes Mae Graham	Wisner, Nebr.	9DZO	Unassigned	
9DUT	Herbert A. Perry	520 S. Sherman St., Denver, Colo.	9DZP	Unassigned	
9DUU	Francis H. Tratt	705 Main St., Whitewater, Wisc.	9DZQ	George G. Thomas	412 1/2 Washington Ave., Iowa Falls, Ia.
9DUV	Hollis S. Banning	Union, Nebr.	9DZR	Unassigned	
9DUW	Berkley R. Lewis, Jr.	717 W. Olive St., Stillwater, Minn.	9DZT	Unassigned	
9DUX	Unassigned		9DZU	John M. Maurer, Jr.	405 W. Cleveland St., Spring Valley, Ill.
9DUY	Arthur F. Boyd	51 Watson Ave., Wauwatosa, Wisc.	9DZV	James Togols	624 W. Cleveland St., Spring Valley, Ill.
9DUZ	Fred G. Enzinger	Ellendale, N. Dak.	9DZW	Unassigned	
9DV	Homer U. Bishop	210 E. 4th Ave., Neenah, Wisc.	9DZX	Orville M. Kimball	802 7th Ave., Sterling, Ill.
9DVA	Royal Chew Wilson	2318 E. 12th Ave., Denver, Colo.	9DZY	Ira H. Hektor Basson	807 Walnut St., Connersville, Ind.
9DVB	Raymond A. Abbott	409 Harrison St., W. Lafayette, Ind.	9DZZ	Paul L. Chamberlain	7435 Hazel Ave., Maplewood, Mo.
9DVC	Allan B. Morton	Clay St., Mt. Carroll, Ill.	9EAA	Royal Riedelbauch	1806 Locust St., Milwaukee, Wisc.
9DVD	George A. Ruger	1200 Highland Ave., Racine, Wisc.	9EAB	William D. Wagner	123 W. Fourth St., Duluth, Minn.
9DVE	Melvin Todd	2024 Brookside Ave., Ft. Wayne, Ind.	9EAC	Harry Needham	R. F. D. No. 6, Virginia, Ill.
9DVF	Byron T. Cox	R. F. D. No. 1, Tonganoxie, Kans.	9EAD	Paul Jensen	4931 Hamlin Ave., Chicago, Ill.
9DVG	E. A. Meisenheimer	534 Mineral St., Milwaukee, Wis.	9EAE	Joe Clark	328 N. Main St., Carrollton, Ill.
9DVH	Frank H. Hollingsworth	203 E. Main St., Russierville, Ind.	9EAF	Dudley Andrews	1721 Somerset Ave., Indianapolis, Ind.
9DVI	Kenneth L. Reiter	1002 S. 6th St., Lyons, Iowa	9EAG	Ronald S. McEwan	619 Tillotson St., Trinidad, Colo.
9DVJ	M. E. Ford	6010A Suburban Ave., St. Louis, Mo.	9EAH	C. L. Gelsler	5055 Geraldine St., St. Louis, Mo.
9DVK	Darwin R. Kiser	Okoboi, Iowa	9EAI	Lawrence Jacobsen	Care Western Military Acad., Alton, Ill.
9DVL	George R. Goets	Chicago Ave., Naperville, Ill.	9EAJ	Richard C. Wells	424 E. 63d St., Chicago, Ill.
9DVM	Thomas G. Colvin	2d & Elizabeth Sts., Augusta, Ky.	9EAK	Chester C. Grey	610 S. 10th St. E., Cedar Rapids, Ia.
9DVN	Raymond P. Martens	3303 S. Claremont Ave., Chicago, Ill.	9EAL	Edgar R. Fawcett	4557 St. Louis Ave., St. Louis, Mo.
9DVO	Bertram A. Gooch	1903 W. 23d St., Des Moines, Iowa	9EAM	Ernest M. Helmdorfer	147 N. Second St., Seward, Neb.
9DVP	H. B. Clark	4130 Ashland Ave., St. Louis, Mo.	9EAN	Vernon H. Wallace	1017 Lee St., Ottumwa, Iowa
9DVQ	Lester Sparks	Main St., Fulton, Ind.	9EAO	Edwin M. Nissen	2544 Washington St., Denver, Colo.
9DVR	John Crosby, Jr.	2608 E. Superior St., Duluth, Minn.	9EAP	LaVerne Wilson	2144 Washington St., Granite City, Ill.
9DVS	R. N. Daniel	Morton, Ill.	9EAS	J. Norval Saylor	..... Hopkins, Mo.
9DVT	Lester Litchell	Morton, Ill.	9EAT	Maurice M. Wold	918 E. 36th St., Minneapolis, Minn.
9DVU	W. T. Fishback	3100 S. Douglass Ave., Springfield, Ill.	9EAV	Joe John's Radio Co.	216 S. Main St., Huntsville, Mo.
9DVV	Joseph G. Behrendt	1849 W. Superior St., Chicago, Ill.	9EAW	Richard Schweiger	709 S. Spring St., Beaver Dam, Wis.
9DVVV	F. W. Kirchner, Jr.	2105 W. 20th St., Des Moines, Iowa	9EAX	Oliver P. Robinson	Calumet Harbor Lighthouse, Chicago, Ill.
9DVBX	Burton E. Greenleaf	34 Walnut St., Savannah, Ill.	9EAS	Chester E. Doerr	5152 N. Market St., St. Louis, Mo.
9DVY	Marvin Elchorst	858 N. 15th St., Mantowoc, Wis.	9EAT	Independent School Dist. No. 40	3rd & Hemlock Sts., Chisholm, Minn.
9DVZ	M. G. Hickenlooper	712 W. Main St., Marshalltown, Iowa	9EAU		



9EAV Otto A. Buder.....611 Commercial Ave., Cairo, Ill.  
 9EAW Joseph E. Harlan.....335 Askew St. S., Kansas City, Mo.  
 9EAX Thomas M. Breen.....2421 S. First Ave., Minneapolis, Minn.  
 9EAY Hllary J. Schenk.....417 Seventh St., Calumet, Mich.  
 9EAZ Vermillion High School.....Church St., Vermillion, S. Dak.  
 9EB Richard R. Roby.....312 E. Keowa St., Colorado Spgs., Colo.  
 9EBA Wesley E. Kidd.....487 Hawthorne St., Glen Ellyn, Ill.  
 9EBB Robert Brunke.....1017 Glen Rock Ave., Waukegan, Ill.  
 9EBC Charles W. Slaney.....612-5th Ave., St. Cloud, Minn.  
 9EBD Claude Romjue.....LaPlata, Mo.  
 9EBE Oscar Ottelle, Jr.....125 S. Oxford St., St. Paul, Minn.  
 9EBF Murray W. Thorne.....333 W. Laurence St., Mishawaka, Ind.  
 9EBG Maurice Locker.....2608 Irving Ave. S., Minneapolis, Minn.  
 9EBH Edward Gleske.....312 S. Liberty St., Elgin, Ill.  
 9EBI Delbert E. Richardson.....Round Lake, Ill.  
 9EBJ Carl R. Hart.....Main St., Markle, Ind.  
 9EBK Phillip E. Okerberg.....3718 Shenfield Ave., Chicago, Ill.  
 9EBL Morris Lotterman.....3018 Fullerton Ave., Chicago, Ill.  
 9EBM Edward Proskie.....1407-a Arlington Ave., St. Louis, Mo.  
 9EBN Clarence L. Smith.....211-7th St., Fairbury, Ill.  
 9EBO Lester L. Holmes.....1502 Washington St., Knoxville, Iowa  
 9EBP Harold M. Wallace.....106 E. 5th St., Mendota, Ill.  
 9EBQ George F. Hightower.....Coulterville, Ill.  
 9EBR George D. Carpenter.....665 South St., Elgin, Ill.  
 9EBS Jasper L. Brubaker.....709 E. Euclid St., McPherson, Kan.  
 9EBT Harry R. Drew.....1208 First Ave. N., Fargo, N. Dak.  
 9EBU Ulrich J. Barbel.....1616 Xanthia St., Denver, Colo.  
 9EBV Robert Junior Davis.....412 E. McPherson St., Kirksville, Mo.  
 9EBW Gareth G. Somerville.....1216 N. East St., Bloomington, Ill.  
 9EBX Otto A. Garnett.....Menlo, Iowa  
 9EBY Gerald E. Knox.....701 Third St., Knoxville, Iowa  
 9EBZ Warren G. Baker.....2819 Kenwood Ave., Indianapolis, Ind.  
 9EC B. E. McDowell.....R. R. No. 7, Kokomo, Ind.  
 9ECA Gerald R. Fitzgerald.....Hamilton, Ill.  
 9ECB Robert G. Duffield, Jr.....225 Franklin St., Wheaton, Ill.  
 9ECC Harry D. Jehring.....2028 Myrtle St., Davenport, Iowa  
 9ECD Joseph A. Hills.....858-40th St., Milwaukee, Wis.  
 9ECE Edward P. Kennedy.....24 Erlanger Rd., Erlanger, Ky.  
 9ECF Manual Radio Club of Sch. D. 1.....2655 Franklin St., Denver, Colo.  
 9ECG Horace L. Hamilton.....823 N. Jefferson Ave., Mason City, Ia.  
 9ECH Robert Reed.....285 Fulton Place, Canton, Ill.  
 9ECI Kenneth Hart.....3024 S. Webster St., Ft. Wayne, Ind.  
 9ECJ Andrew A. Gusak.....1644 W. 20th St., Chicago, Ill.  
 9ECK Ellisworth K. Shinn.....2423-19th Av. N., Minneapolis, Minn.  
 9ECL Glen E. Martin.....553 W. 4th St., Spencer, Iowa  
 9ECM John T. Fox.....Box 272, R. R. "F", Indianapolis, Ind.  
 9ECN Walter L. Troxel.....1107 N. Jefferson Av., Mason City, Ia.  
 9ECO Elmer C. Sutton.....1137 Avon Court, Rockford, Ill.  
 9ECP William P. Humston.....Bosworth, Mo.  
 9ECQ Saml. S. Stoller & J. P. Magos.....7516 N. Murphy Ave., Chicago, Ill.  
 9ECR William P. Hilliard.....7801 Clyde Ave., Chicago, Ill.  
 9ECS George W. Kimball, Jr.....846 Lexington Ave., Hastings, Neb.  
 9ECT Cornelius MacCarthy.....1029 N. Keller Ave., Chicago, Ill.  
 9ECU Harry G. Elfring.....Center St., Bensenville, Ill.  
 9ECV Hamilton Tobin.....906 "A" Ave., Vinton, Iowa  
 9ECW Donald Johnson.....722 N. McArthur St., Macomb, Ill.  
 9EX Horace Lund.....3501 Tenth Av. S., Minneapolis, Minn.  
 9EY Harvey F. Schowe.....4212 Penrose St., St. Louis, Mo.  
 9EZ Ernest Smith.....1315 Greeley St., Kansas City, Kans.  
 9EDA Robert C. Grozier.....100 N. Grand St., Chariton, Iowa  
 9EDB Orville R. Toman.....215 Court St., Bedford, Iowa  
 9EDC Thomas J. Innis.....Clarion, Iowa  
 9EDD Rudolph M. Crandall.....123 N. 21st St., Richmond, Ind.  
 9EDE O. S. Parker.....4700 N. Campbell Ave., Chicago, Ill.  
 9EDF David Abernathy.....304 S. 13th St., Cedar Rapids, Iowa  
 9EDG Wayne S. Sappenfield.....410 Parrett St., Evansville, Ind.  
 9EDH Lowell Peterson.....1018 Foster St., Evanston, Ill.  
 9EDI Gustav Cook.....1313 Dodge Ave., Evanston, Ill.  
 9EDJ Albert B. Ellcock.....5614 Maple Ave., St. Louis, Mo.  
 9EDK Philo J. Rapp.....705 W. 38th St., Kansas City, Mo.  
 9EDL C. M. Ellcock.....5768 Kingsbury St., St. Louis, Mo.  
 9EDM Harley E. Olson.....1398 Semple Ave., St. Louis, Mo.  
 9EDN Clyde M. Houldson.....902 W. 4th St., Mt. Carmel, Ill.  
 9EDP Theodore L. Swansen.....904 Summit Ave., Milwaukee, Wis.  
 9EDO Howard M. Howell.....706 N. 10th St., Vincennes, Ind.  
 9EDQ Marian E. Tracy.....2002 Maple St., Wichita, Kans.  
 9EDR George W. Erickson.....626-3d Ave. S., St. Cloud, Minn.  
 9EDS Clifford H. Sedwick.....114 Farley Pl., Downers Grove, Ill.  
 9EDT Verne A. Swensen.....1317 Jenifer St., Madison, Wis.  
 9EDU Edwin W. Murphy.....5961 Plymouth Ave., St. Louis, Mo.  
 9EDV Loren Sherwood.....R. F. D. No. 1, Box 22, Coleman, Wis.  
 9EDW Harold J. Perschbacher.....421 Chestnut St., West Bend, Wis.  
 9EDX Henry C. Thompson.....4133 DeTonty St., St. Louis, Mo.  
 9EDY Richard U. Cochran.....Lembke Hall, Valparaiso, Ind.  
 9EDZ Phil F. Petersen.....727 Northwestern Ave., Ames, Iowa  
 9EE Herbert B. Jacobson.....1928 Sherman Ave., Evanston, Ill.  
 9EEA Herbert J. Goddard.....Main St., Ellendale, N. D.  
 9EEB F. M. Segal.....2518 Race St., Denver, Colo.  
 9EEC Ernest E. Dinsmore.....111 S. Maple St., Ottawa, Kans.  
 9EED Waldo C. Shoemaker.....338 E. 2d St., Ottumwa, Iowa  
 9EEE Jesse L. Holliday.....R. F. D. No. 3, Auburn, Ill.  
 9EEF Arthur Hady.....1304 Marquette St., Racine, Wis.  
 9EEG James F. Abbott.....1103 Cleveland St., Evanston, Ill.  
 9EEH D. Wesley Correll.....1311 Frederica Pl., Milwaukee, Wis.  
 9EEI Frank C. Schnepfer.....326 Second St. S.E., Cresco, Iowa  
 9EEJ Ralph W. Smyth.....N. Main St., Park Rapids, Minn.  
 9EEK Benjamin F. Adcock, Jr.....116 W. Hickman St., Winchester, Ky.  
 9EEL Ralph Lampe.....819-4th Ave. E., Duluth, Minn.  
 9EEM Charles E. Wells.....505 E. Court St., Richland Ctr., Wis.  
 9EEN Henry D. Robb.....H. C., Hutshell Apts., Winchester, Ill.  
 9EEO Reginald Bates.....866 Calumet Ave., Hammond, Ind.  
 9EEP Alfred Haegenson, Jr.....Barnesville, Minn.  
 9EEQ Holland O. Watson.....713 Oregon St., Hlawatha, Kans.  
 9EER Lowell S. Orth.....1412 N. Adams St., Mason City, Iowa  
 9EES Arthur Myers.....1451 S. 15th St., Omaha, Neb.  
 9EET Frederick L. Cason.....Dewitt, Mo.  
 9EEU Aloysius J. Weiss.....5335 Adams St., Chicago, Ill.  
 9EEV Harry W. Rublnstein.....777 26th St., Milwaukee, Wis.  
 9EEW Robert Bowman.....1011 S. Main St., Ottawa, Kans.  
 9EEX James Frantz.....1510 E. 63d Place, Chicago, Ill.  
 9EEY Max H. Edwards.....148 W. Gilman St., Madison, Wis.  
 9EEZ Lancaster V. Pottlinger.....518 W. 9th St., Owensboro, Ky.  
 9EF George H. Machlin.....716 E. North St., Kokomo, Ind.  
 9EFA Hugh J. Jesson.....203 E. Third Ave., Caney, Kans.  
 9EFB Archibald M. Bryan.....1405 S. Carr Ave., Caney, Kans.  
 9EFC Cunningham Bros.....404 Price St., Sedalia, Mo.  
 9EFD Hopkinsville H. S. Radio Club.....Box 208, Hopkinsville, Mo.  
 9EFE Robert E. McCullough.....712 E. 7th St., Coffeyville, Kans.  
 9EFF Marshall C. Ferguson.....703 Marquette Av., S. Milwaukee, Wis.  
 9EFG Rodney S. Starkweather.....1044 Lake Shore Blvd., Evanston, Ill.  
 9EFH Charles H. Moran.....905 S. 6th Ave. W., Newton, Ill.  
 9EFI Theodore B. Lowell.....Nat. Bldg. & Flor. Rds., Normandy Mo.  
 9EFJ Ralph Lloyd White.....3916 Labadie Ave., St. Louis, Mo.  
 9EFK Herbert R. Hopfinger.....1829 Arizona St., Oshkosh, Wis.  
 9EFL Adlie W. Brady.....1205 E. Madison St., South Bend, Ind.  
 9EFM John Alden.....723 N. Ninth St., Kansas City, Kans.  
 9EFN George R. Moir.....Wolverton, Minn.  
 9EFO Standish J. Lambert.....713 Washington St., Iowa City, Iowa

9EFP Albert G. Ericksson.....828 N. Third St., Marquette, Mich.  
 9EFQ Lester Layzell.....620 Oak St., Taylorville, Ill.  
 9EFR William W. Pearce.....427 Steels Ct., Waukegan, Ill.  
 9EFS Lee Jensen.....109 N. 7th St., Marshalltown, Iowa  
 9EFT Howard R. Robertson.....Hubbard, Iowa  
 9EFU Lynne H. Hull.....R. F. D. No. 1, Eureka, Kans.  
 9EFV Friends University.....Wichita, Kans.  
 9EFW Raymond G. Shmel.....602 E. Main St., Casey, Ill.  
 9EFX Robert V. Stratford.....411 High St., Beatrice, Neb.  
 9EFY Harry Hoshell.....6000 Normal Blvd., Chicago, Ill.  
 9EFZ John S. Surber.....Francesville, Ind.  
 9EG William D. Devore.....Melvin St., Gibson City, Ill.  
 9EGA Paul D. Maxwell.....2212 Douglas St., Omaha, Neb.  
 9EGB Caesar Almone.....408-4th St., Iron Mountain, Mich.  
 9EGC Gordon Ferrin.....1449-15th St., Milwaukee, Wis.  
 9EGD Cullen Harris.....1602-a Semple Ave., St. Louis, Mo.  
 9EGE Rola Brown.....3261 S. Jefferson Ave., St. Louis, Mo.  
 9EGF William Jackson.....311 Fayal Road, Eveleth, Minn.  
 9EGG Clarence R. Rogness.....Kenneth, Minn.  
 9EGH Reginald H. Jackson, Jr.....415 N. Carroll St., Madison, Wis.  
 9EGI Granville P. Ward.....236 W. State St., Springfield, Mo.  
 9EGJ Edgar M. Knepper.....Box 97, Maitland, Mo.  
 9EGK George Scheuer.....Monterey, Ind.  
 9EGL Norman B. Jones.....1218 N. 11th Ave., Fargo, N. Dak.  
 9EGM Malcolm L. Brown.....1316 National Ave., Rockford, Ill.  
 9EGN Winston F. Meyers.....R. F. D. No. 1, Box 90, Freeport, Ill.  
 9EGO John W. McManigal.....113 W. 8th St., Horton, Kans.  
 9EGP Sidney E. Cleveland.....Goldfield, Iowa  
 9EGQ Joseph G. Boehm.....3534 Narragansett St., Chicago, Ill.  
 9EGR Joseph Ottobell.....604 Douglas Ave., Eveleth, Minn.  
 9EGS H. Edward Carpenter.....3403 S. Third Ave., Minneapolis, Minn.  
 9EGT Ervin E. Trommer.....2516 Chestnut St., Milwaukee, Wis.  
 9EGU C. L. Baker.....Henning, Minn.  
 9EGV George H. Powers.....312 Oak St., Evansville, Ind.  
 9EGW Robert T. Inman.....Riverside Drive, Beloit, Wis.  
 9EGX Frank M. Redman.....No. 6 Wellington Apts., Fargo, N. D.  
 9EGY Unassigned  
 9EZ Conrad Anians.....2329 W. 33d Ave., Denver, Colo.  
 9EH Glenn E. Vogel.....249 S. Wayne St., Danville, Ind.  
 9EHA Harry J. Palmer.....425 1/2 S. Front St., Mankato, Minn.  
 9EHB William Barnes.....R. F. D. No. 2, Sta. "B", Dewey, Wis.  
 9EHC Ellyer L. Plots.....Hampton, Neb.  
 9EHD Louis E. Newman.....6100 Pershing St., St. Louis, Mo.  
 9EHE Roger H. Gales.....910 College Ave., Davenport, Iowa  
 9EHF Leroy R. Lesch.....Rockford, Iowa  
 9EHG Verne Goldin.....R. R. No. 2, Mellette, S. D.  
 9EHH A. J. Simandl and E. F. Preuss.....751-16th St., Milwaukee, Wis.  
 9EHI Charles F. Pippen.....403 E. Centennial St., Nappanee, Ind.  
 9EHJ William P. Meyer.....Murdock, Neb.  
 9EHK Lyle R. Walker.....5650 Miami St., Benson, Neb.  
 9EHL G. T. Bennett.....Rockford, Iowa  
 9EHM Raymond T. Peschek.....1620 Walnut St., Milwaukee, Wis.  
 9EHN Eldon E. Roth.....W. Fifth St., Villisca, Iowa  
 9EHO William L. Sharp.....E. Main St., Greenwood, Ind.  
 9EHP Vernon A. Bloomquist.....510 Sherman St., South Bend, Ind.  
 9EHQ John L. Donner.....Lena, Ill.  
 9EHR Francis Melcher.....6609 Normal Blvd., Chicago, Ill.  
 9EHS Lawrence F. Pfeiler.....1810 N. 5th St., Sheboygan, Wis.  
 9EHT Norvel Douglas.....1622 New Hampshire St., Lawrence, Kans.  
 9EHU Harry E. Rardin.....225 Nelson Ave., St. Paul, Minn.  
 9EHV Samuel L. Ecker.....Sedan, Kans.  
 9EHW Archie M. Crozier.....Weeping Water, Neb.  
 9EHX Jewell R. Benson.....618 W. 4th St., Topeka, Kans.  
 9EHY Lawrence A. Stineman.....428 W. 72d St., Chicago, Ill.  
 9EHZ Edward C. Crossett.....936 Lake Shore Drive, Chicago, Ill.  
 9EIA Joseph C. Anderson.....Gengary Farm, Lexington, Ky.  
 9EIB Elmer Holehouse.....472 North Ave., Wauwatosa, Wis.  
 9EIB Robert L. Stewart.....214 S. Glenwood St., Peoria, Ill.  
 9EIC H. L. Perrine.....McCune, Kans.  
 9EID Louis R. Hull.....3107 Broadway, Ft. Wayne, Ind.  
 9EIE John Henry Wood.....Walhalla, N. D.  
 9EIF George Gasper.....948 W. 27th St., Indianapolis, Ind.  
 9EIG Wayne G. Eaton.....107 S. 4th Ave., Brighton, Colo.  
 9EIH Eugene Hodson.....361-4th Ave., Milwaukee, Wis.  
 9EII George W. Pilgram.....205 S. 18th St., St. Joseph, Mo.  
 9EIJ John H. Miner.....858 N. Columbia St., Frankfort, In.  
 9EIK Idean H. Paulson.....Sharon, N. D.  
 9EIL Clyde S. Van Gordon.....7th & Harmony Sts., Osseo, Wis.  
 9EIM Edson Travis.....1208 N. Evans St., Bloomington, Ill.  
 9EIN John F. Martin.....2350 Lawndale Ave., Chicago, Ill.  
 9EIO A. Howard Case.....805 N. Main St., Charles City, Iowa  
 9EIP Earl R. Murray.....851 W. Green St., Decatur, Ill.  
 9EIQ Charles W. Newhall, Jr.....Shattuck School, Fairbault, Minn.  
 9EIR Laurence Imel.....Malvern, Iowa  
 9EIS Westinghouse Elec. & Mfg. Co.....717 S. 12th St., St. Louis, Mo.  
 9EIT Tom S. Nichols.....607 Gilman St., Moberly, Mo.  
 9EIU Birely Whaley.....123 Conroy St., Shelbyville, Ind.  
 9EIV Paul A. Robblee.....5145 Lyndale Ave. S., Minneapolis, Minn.  
 9EIW Charlie Miller.....Numa, Iowa  
 9EIX Charles E. Slater.....1604-4th St., Boone, Iowa  
 9EJ Judson Anderson.....3629 Blaisdell Ave., Minneapolis, Minn.  
 9EJX Marion W. Smith.....5621 Waterman Ave., St. Louis, Mo.  
 9EJY Robert E. Compton.....Quincy, Ill.  
 9EJA Albert W. Strommeyer.....1128 Bacon St., Indianapolis, Ind.  
 9EJB John B. Young.....411 S. State St., Yates Center, Kans.  
 9EJC Harold A. Jackson.....307 N. Prairie St., Yates Center, Kans.  
 9EJD Stanley Lersch.....5063 W. 30th Pl., Cicero, Ill.  
 9EJE Michael Strutzel.....Delmar, Iowa  
 9EJF Wayne E. Granger.....1022-12th St., Golden, Colo.  
 9EJG Bertram R. Shilts.....North 3d St., Tecumseh, Neb.  
 9EJH Hubert Williams.....341 Bowen St., Savanna, Ill.  
 9EJI Robert Stark.....3921 Boulevard Pl., Indianapolis, Ind.  
 9EJJ Mutual Telephone Co.....Traer, Iowa  
 9EJK Melville A. Metz.....602 W. 15th St., Davenport, Iowa  
 9EJL John W. Appleton.....3440 Elliott Ave., Berwyn, Ill.  
 9EJM Richard F. Handlos.....Centuria, Wis.  
 9EJN Harold C. Helkes.....Minneapolis, Kans.  
 9EJO Clyde C. Young.....3911 W. 8th St., Duluth, Minn.  
 9EJP Harry C. Kauna.....Francesville, Ind.  
 9EJQ Rupert P. Griffith.....S. Water St., Goldfield, Iowa  
 9EJR Willard C. Kamberg.....4245 Wyoming St., Kansas City, Mo.  
 9EJS R. L. St. John.....Bethany, Ill.  
 9EJT Harry Caskey.....618 Brotherton St., Muncie, Ind.  
 9EJU Donald A. Burton.....2224 Jefferson St., Muncie, Ind.  
 9EJV Robert C. Gore.....26 Malison Ave., Evansville, Ind.  
 9EJW Joseph C. Hromada.....1320 Clinton Ave., Oak Park, Ill.  
 9EJX Laurence H. Norton.....7030-34th St., Berwyn, Ill.  
 9EJY Leonard Tulaucas.....9323 Rhodes Ave., Chicago, Ill.  
 9EJZ Stanley A. Vye.....3734 Pleasant Ave., Minneapolis, Minn.  
 9EK Charles A. Kelso.....4769 Labadie Ave., St. Louis, Mo.  
 9EKA Raymond F. Wilmert.....R. R. No. 4, Lincoln, Ill.  
 9EKB Merrill Shum.....415 W. Main St., Clarinda, Iowa  
 9EKC Robert C. Pote.....4925 Park View Pl., St. Louis, Mo.  
 9EKE Harold W. Betz.....106 N. Fair St., Champaign, Ill.  
 9EKF William Davis, Jr.....231 Stanley Ave., Canon City, Colo.  
 9EKG Loren W. Wood.....5522 Waterman St., St. Louis, Mo.  
 9EKH Jack E. Wheeler.....1102 Mathewson St., Wichita, Kans.  
 9EKI Danforth Barney.....1645 E. 7th Ave., Denver, Colo.  
 9EKJ Leon B. Shettle.....R. F. D. No. 4, Correctionville Rd., Sioux City, Iowa

9EKJ	George E. Ganss	5323 Minerva St., St. Louis, Mo.	9IQ	Merrill H. Klassy	1970 Penn Ave., S., Minneapolis, Minn.
9EKK	Walter Schormann	Staplehurst, Neb.	9IR	Harold Hultgren	6324 Honore St., St. Chicago, Ill.
9EKL	Charles M. Lindsay	Altamont, Mo.	9IS	Lester C. Blood	11165 Esmond St., Chicago, Ill.
9EKM	Joseph Hovorka	1409 Wisconsin Ave., Oak Park, Ill.	9IT	Herbert D. Norvell	1127 Arrow Ave., Anderson, Ind.
9EKN	Darrell D. Gretorex	125 E. 2d St., Blue Earth, Minn.	9IU	Paul C. Patterson	320 W. 12th St., Anderson, Ind.
9EKO	Clifford Caldwell	501 N. Wade St., Mexico, Ill.	9IV	Carl W. Ulrich	520 Grant St., Chicago, Ill.
9EKP	Harry S. Scott	329 W. 6th St., Chanute, Kans.	9IW	Adolph E. Haupt	2442 Ogden Ave., Chicago, Ill.
9EKQ	Gordon G. Gladson	329 W. 6th St., Nicollet, Minn.	9IX	West and Dedricks	1404 Michigan Ave., Manitowish, Wisc.
9EKR	Max F. Joern	3829 Paseo St., Kansas City, Mo.	9IY	Gerald Becker	E. 30th and Dean Ave., Des Moines, Ia.
9EKS	Paul C. Hanger	2585 Pratt St., Omaha, Neb.	9IZ	Harry A. Silcox	1516 Madison Ave., Indianapolis, Ind.
9EKT	Lyndon J. Osterholm	3d St., Devils Lake, N. Dak.	9JA	P. A. Stover	Marengo, Iowa
9EKU	Floyd E. Moffet	R.F.D. No. 3, Mendota, Ill.	9JB	Waldo E. Propst	Geneta, Neb.
9EKV	Ellis L. Miller	204 E. 15th St., University Place, Neb.	9JC	Stanley J. Drenk	1030 Edwardsburg Ave., Elkhart, Ind.
9EKW	Merlin O. Reese	5809 DeGwerville Ave., St. Louis, Mo.	9JD	Harold E. B. Gary	600 Main St., Aurora, Ill.
9FKX	Garland S. Dutton	13th & "P" Sts., Lincoln, Neb.	9JE	Phillip S. Westcott	1244-39th St., Milwaukee, Wisc.
9FKY	Richard K. Rohan	822 East Main St., Topeka, Kans.	9JF	Courtland B. Frain	6221 University Ave., Chicago, Ill.
9EKZ	Archie P. Fenner	4427 Lee Ave., St. Louis, Mo.	9JG	Henry Barth	3723 S. Jefferson St., St. Louis, Mo.
9EL	Howard L. Owens	2912 N. Racine Ave., Chicago, Ill.	9JH	Forbes Babcock, Inc.	4113 Irving Park Blvd., Chicago, Ill.
9ELA	Richard Klein	4605 San Francisco St., St. Louis, Mo.	9JI	Lawrence Dutton	940 37th St., Milwaukee, Wisc.
9ELB	Carl H. Nicholson	Unassigned	9JJ	Arthur L. Pierce	1109 Ferry St., LaCrosse, Wisc.
9ELC	Fred Kell	5829 Dorchester Ave., Chicago, Ill.	9JK	Richard Smith	3108 S. 19th St., Omaha, Neb.
9EM	Unassigned	1710 Lackawanna Ave., Superior, Wisc.	9JL	Frank E. Breen	419 N. Clinton St., Iowa City, Iowa
9EN	Clifton M. Utley	211 N. Broadway, Lexington, Ky.	9JM	William G. Broughton	442 Rose Lane, Ames, Iowa
9EO	Eugene J. Krusel	1408 East Grand St., St. Louis, Mo.	9JN	Leonard S. Stenerson	N. Grand St., Kansas City, Kans.
9EP	John W. Coleman	Ninth and Cincinnati, Lafayette, Ind.	9JO	Ralph E. Rehm	1102 N. Third St., Kansas City, Kans.
9EQ	Paul F. Ring	1938 Cornelia Ave., Chicago, Ill.	9JP	J. Walter Bauernfeind	802 Sixth St., Menasha, Wisc.
9ER	Jacob Jordan	1163 N. Broad St., Galesburg, Ill.	9JQ	George Weber, Jr.	5579 Chamberlain St., St. Louis, Mo.
9ES	Charles Jaeger	Grimes, Iowa	9JR	James L. Bush	Tuscola, Ill.
9ET	E. R. Thompson	4816 N. Hoyle Ave., Chicago, Ill.	9JS	Harold Bjorkquist	409 26th Ave., Milwaukee, Wisc.
9EV	Willard L. Thurnburg	308 N. 27th Ave., Omaha, Neb.	9JT	William N. Perry	815 Lake Ave., Racine, Wisc.
9EW	Harry W. Wahn	819 N. 23d St., St. Joseph, Mo.	9JU	Reynold Worqitsky	2141 Sedgwick St., Chicago, Ill.
9EX	Edwin R. Anderson	4745 N. Campbell Ave., Chicago, Ill.	9JV	Charles E. Parson	305 College Ave., DeKalb, Ill.
9EY	Julius Abercromble	1534 Locust St., W. Davenport, Iowa	9JW	Ivan L. Willey	Secor, Ill.
9EZ	Roy E. Lindquist	1716 S. 20th St., St. Joseph, Mo.	9JX	Ned Van Campe	6035 Honore St., Chicago, Ill.
9FA	William A. Groth	23 Merriam Place, St. Paul, Minn.	9JY	Calvin J. Collins	2322 Newland Ave., Chicago, Ill.
9FB	Lloyd A. Walker	1808 Thompson St., Lafayette, Ind.	9JZ	Waukegan High School	Waukegan, Ill.
9FC	Unassigned	725 Lake Drive, Milwaukee, Wisc.	9KA	Theodore C. Combs	1540 Lawrence St., Wichita, Kans.
9FD	Harlan K. Hall	912 S. Second St., Champaign, Ill.	9KB	Walter C. Evans	2202 W. 110th Place, Chicago, Ill.
9FE	John Fetzer	718 Jefferson St., Goshen, Ind.	9KC	Louis A. Pease	1927 W. 22d Place, Chicago, Ill.
9FF	Ewing D. Nunn	Pitt, Minn.	9KD	Joseph F. Bltson	2641 Clifton Park Ave., Chicago, Ill.
9FG	Burnham S. Rock	394 24th Ave., Milwaukee, Wisc.	9KE	Edwin A. Beane	912 E. 61st St., Chicago, Ill.
9FH	Jerry Raffensperger	5058 N. Lincoln St., Chicago, Ill.	9KF	John A. Goorlich	2316 Clybourn Ave., Chicago, Ill.
9FI	John B. Imsdahl	Wartburg College, Clinton, Iowa	9KG	Harold Larson	Viborg, S. Dak.
9FJ	LeRoy A. Degner	205 S. 18th St., St. Joseph, Mo.	9KH	Unassigned	6828 Luffin St., Chicago, Ill.
9FK	Norval Richardson	3930 Campbell St., Kansas City, Mo.	9KI	Edmond B. Mangan	901 W. Green St., Urbana, Ill.
9FL	Conrad S. Fritschel	1419 S. 9th St., Sheboygan, Wisc.	9KJ	Willard L. McEwen	205 S. Ave. "F", Washington, Iowa
9FM	John Carl Pilgram	216 S. Fifth St., Minneapolis, Minn.	9KK	James A. Work, Jr.	209 E. White St., Champaign, Ill.
9FN	Sidney J. Blum	1309 Lincoln Way, East South Bend, Ind.	9KL	Carmi E. Miller	442 Bosart Ave., Indianapolis, Ind.
9FO	Melvin Herman	Unassigned	9KM	Lawton Biddle	442 Boston Ave., Indianapolis, Ind.
9FP	Findley Electric Co., Inc.	4021 W. Kinzie St., Chicago, Ill.	9KN	Lawton Biddle	4334 Mozart St., Chicago, Ill.
9FQ	C. B. Stelle	208 Wiggins St., West Lafayette, Ind.	9KO	Richard H. Boettcher	4880 Margaretta St., St. Louis, Mo.
9FR	Joy and Kelsey	101 N. Pleasant St., Kansas City, Mo.	9KP	John A. Fritz	4801 Woodlawn Ave., Chicago, Ill.
9FS	E. E. Pippenger	4976 W. Pine Blvd., St. Louis, Mo.	9KQ	A. G. Leonard, Jr.	430 Harrison Ave., Burlington, Iowa
9FT	George A. Plank	3439 Grove St., Denver, Colo.	9KR	Kermit R. Bloomer	503 S. West St., Lebanon, Ind.
9FU	Howard Lee May	810 Cowles Ave., Joliet, Ill.	9KS	Bayard S. Shumate	1217 12th St., Des Moines, Iowa
9FV	Allen T. Law	College Heights, Jamestown, N. Dak.	9KT	Frank W. Webster	2800 E. 26th St., Minneapolis, Minn.
9FW	Grover B. Hamman	4454 Sheridan Road, Chicago, Ill.	9KV	Paul E. Johnson	2609 Olive St., Kansas City, Mo.
9FX	Thomas W. Jackson	1818 Eddy St., Chicago, Ill.	9KW	Irring R. Loosen	4031 S. Campbell Ave., Chicago, Ill.
9FY	Unassigned	Box 850, R. R. 1, Mt. Washington, Mo.	9KX	Joe J. Novak	234 Walnut St., Westville, Ill.
9FZ	Randall C. Ballard	414 N. Broad St., Lenark, Ill.	9KY	Unassigned	124-3d Ave., Mt. Vernon, Iowa
9GA	Ernest H. Gager	4315 S. Brent Ave., Minneapolis, Minn.	9KZ	Eberett Anderson	301 Holt St., Ashland, Ky.
9GB	John Hay S. Lawson	604 Best Bldg., Rock Island, Ill.	9LA	J. L. Taverner	The Benwood Company, Inc., 13th and Olive Sts., St. Louis, Mo.
9GC	Edward H. Giddings	4923 Vincennes Ave., Chicago, Ill.	9LB	Frank Fanning	2210 W. Douglas Ave., Wichita, Kans.
9GD	Harold D. Jones	623 Olson St., Hickman, Ky.	9LC	Charles H. Lander	4 Jefferson Road, Webster Groves, Mo.
9GE	Motor Boat Pierre (Karlowa Radio Corp.)	608 E. 7th St., White Bear Lake, Minn.	9LD	William E. Woods	Unassigned
9GF	Arthur Elkins	Weedman, Ill.	9LE	Unassigned	2331 N. New Jersey St., Indianapolis, Ind.
9GG	Charles K. Davis	Borden, Ind.	9LF	Charles W. Brestle	1613 Smith St., Peoria, Ill.
9GH	Edward C. Varney	117 Broadway, Fargo, N. D.	9LG	E. F. Wurzbarger	Bloomington, Ind.
9GI	Everett C. Smith	4221 Carroll Ave., Chicago, Ill.	9LH	Darl F. Wood	161 London Ave., Lexington, Ky.
9GJ	Nitie E. Nofrey	Dodge St., DeWitt, Iowa	9LI	Lee R. Penny	2125 Claussen St., Davenport, Iowa
9GK	Fargo Radio Service Co.	5900 W. Cabanne Pl., St. Louis, Mo.	9LJ	Orville J. Rohlf	208 S. 5th St., Norfolk, Neb.
9GL	Charles Trittelne	5740 Bartner Ave., St. Louis, Mo.	9LK	Edwin V. Jordan	306 W. Breckenridge, Louisville, Ky.
9GM	Donald A. and Gordon L. Kent	818 Sheridan Road, Kenosha, Wisc.	9LL	Unassigned	6518 Kimbark Ave., Chicago, Ill.
9GN	Arthur B. Heman	51 Washenaw St., Chicago, Ill.	9LM	Harold H. Leighton	3214 S. Colfax St., Minneapolis, Minn.
9GO	Donald H. C. O'Neil	5608 S. Franklin St., Polo, Ill.	9LN	Waldo C. Grover	717 N. Broad St., Mankato, Minn.
9GP	Ralph Martin	Nashville, Ill.	9LO	Arnold H. Bergmann	Indianapolis Radio Association, Room 73, 312 N. Illinois, Indianapolis, Ind.
9GQ	Victor A. Nissen, Jr.	Highland Park, Ill.	9LP	Unassigned	Care T & H Radio Co., Anthony, Kans.
9GR	Donald R. Graybill	153 Sheeth St., W. Lafayette, Ind.	9LQ	Perry E. Thurman	1522 Tallendale Ave., Chicago, Ill.
9GS	James Benjamin Holston	6205 Washington St., St. Joseph, Mo.	9LS	Lawrence R. Schmitt	703 Lincoln St., Topeka, Kans.
9GT	Randall Wright	1538 Kentucky St., Lawrence, Kans.	9LT	Joseph S. Robb	109 W. Winfield St., Morrison, Ill.
9GU	Etham M. Turley	888 S. 39th St., Louisville, Ky.	9LU	Otis C. Bruhaker	1414 W. Adams St., Chicago, Ill.
9GV	C. A. Wegner	2220 58th St., Omaha, Neb.	9LV	J. L. Gallagher	Dakota Ave., Wahpeton, N. Dak.
9GW	Schiller Kruse	1224 LaSalle Ave., Minneapolis, Minn.	9LW	Wets & Nolan	Unassigned
9GX	Eddie Smith	Main St., Harlan, Ky.	9LX	Unassigned	4245 S. Mozart St., Chicago, Ill.
9GY	Ross T. Hatton	1844 S. Lawrence Ave., Wichita, Kans.	9LY	Adolph E. Gersch	4423 LaPorte St., Chicago, Ill.
9GZ	Richard E. Mathes	4118-A DeTonty St., St. Louis, Mo.	9MZ	Tom G. Seese	815 N. Lombard Ave., Oak Park, Ill.
9HA	John Lackey	734 N. Pine Ave., Chicago, Ill.	9MB	Kenneth D. Downs	Minneapolis Y.M.C.A. Radio Club (M.H. Klassey), Minneapolis, Minn.
9HB	Bert F. Callender	219 S. 5th Ave., Oelwein, Iowa	9MC	Albert H. Cain	Roadhouse, Ill.
9HC	James P. Wilson	Main & Division Sts., E. St. Louis, Ill.	9MD	John E. Sutcliffe	1394 South First St., Louisville, Ky.
9HD	Robert S. Hale	4820 Wakely St., Omaha, Neb.	9ME	Lavern S. Slagle	530 Masterson Ave., Ft. Wayne, Ind.
9HE	G. R. Hammond	609 30th St., Indianapolis, Ind.	9MF	Edmund H. Scholz	324 14th St., St. Cloud, Minn.
9HF	Boy Scouts of America	2056 Buchanan St., Topeka, Kans.	9MG	Roland D. Reed	302 Van Rensselaer St., Rensselaer, Ind.
9HG	Harold Jay Griffin	Barr and Lewis Sts., Ft. Wayne, Ind.	9MH	Charles S. Maxson	Milton, Wisc.
9HH	E. Raymond Churchill	728 Bluff Blvd., Clinton, Iowa	9MI	Earl D. Billiter	Box 167, Dell Rapids, S. Dak.
9HI	Bert Von Wolf	R. R. No. 5, Columbus Junction, Iowa	9MJ	Myron Dale Piersol	3227 Edgar Ave., Maplewood, Mo.
9HJ	Ft. Wayne High School	1655 Wesley Ave., St. Paul, Minn.	9MK	Unassigned	2856 St. Vincent Ave., St. Louis, Mo.
9HK	Frank E. Phillips	5519 Bartmer St., St. Louis, Mo.	9ML	Kenneth McLeod	2102 N. Sixth St., Sheboygan, Wisc.
9HL	Herschel Stults	817 Rollins St., Columbia, Mo.	9MM	Valentine C. Guenther	213 W. Galena St., Freeport, Ill.
9HM	Otterholm & Miller	401 Chicago St., Dolton, Ill.	9MN	Marvin Messing	230 Thomas St., St. Paul, Minn.
9HN	Ray E. Bolin	548 E. Union St., Blue Island, Ill.	9MO	Walter F. Kannenberg	Virginia St., St. Louis, Mo.
9HO	Otto S. McDaniel	Middlebury, Ind.	9MP	Cleveland High School	4209 Mason St., Omaha, Neb.
9HP	Edward C. Silcox	502 McIndee St., Wausau, Wisc.	9MQ	Eugene M. Ruede	3122 Sheridan Road, Chicago, Ill.
9HQ	John N. Becker	6406 Maple St., Omaha, Neb.	9MR	Harold H. Powell	1012 E. High St., Davenport, Iowa
9HR	Maxwell W. Hutchinson	5116 Harriet Ave., Minneapolis, Minn.	9MS	Reeder W. Shears	Unassigned
9HS	Walter Blissell	593 Cass St., Milwaukee, Wisc.	9MT	Unassigned	Main St., Genoa, Ill.
9HT	John G. O'Rourke	1117-A Clara Ave., St. Louis, Mo.	9MU	Earle Russell	Glendon City, Ill.
9HU	Lorenzo D. Smith	6027 Kimbark Ave., Chicago, Ill.	9MV	John H. Shamel	419 E. Sixth St., Sedalia, Mo.
9HV	Unassigned	5527 Lowe Ave., Chicago, Ill.	9MW	Patrick J. Handley	2309 Poreland Ave., Minneapolis, Minn.
9HW	Clarence F. Bates	2114 Telegraph St., Davenport, Iowa	9MX	Dean F. Cottem	1035 Main St., Quincy, Ill.
9HX	Thomas G. Crabb	1159 E. 54th Place, Chicago, Ill.	9MY	Unassigned	1775 S. Colfax Ave., Minneapolis, Minn.
9HY	Jesse H. Jay	1032 Lincoln Ave., St. Paul, Minn.	9NA	John Lind, Jr.	614 9th Ave. S.E., Minneapolis, Minn.
9HZ	George A. Sim, Jr.	8023 Kingsbury St., St. Louis, Mo.	9NB	Merle A. Ture	6312 Washington St., University City, Mo.
9IA	Lee H. Larson	Gilmer, Neb.	9NC	Merle C. Barnes, Jr.	765 Vernon Ave., Glencoe, Ill.
9IB	Unassigned	1242 N. Knox Ave., Minneapolis, Minn.	9ND	Alex J. H. Smith	1418 N. 10th St., St. Joseph, Mo.
9IC	Albert E. Jeffrey	4451 Westminster Place, St. Louis, Mo.	9NE	Harold F. Watts	1906 N. 22d St., St. Joseph, Mo.
9ID	Frank J. Rens	2133 Weisser Pk. Ave., Ft. Wayne, Ind.	9NF	Tom Logan	1224 W. Broadway, Centralia, Ill.
9IE	Marshall H. Trump	1716 N. 8th St., Terre Haute, Ind.	9NG	Marion W. Beebe	1131 N. Sixth St., Terre Haute, Ind.
9IF	John A. Wanek	619 Dunham St., Burlington, Iowa	9NH	William Waltman	723 Lockwood St., Chicago, Ill.
9IG	Martin W. Swanson	1637 Parkside Ave., Chicago, Ill.	9NI	Kenneth E. Evans	3554 S. Halsted St., Chicago, Ill.
9IH	Walter H. Rozler	4336 N. Lowell Ave., Chicago, Ill.	9NJ	Bruno W. Stolte	Unassigned
9II	George D. Bauer	922 Washington Ave., Newport, Ky.	9NK	Unassigned	418 Second Ave., Albia, Iowa
9IJ	Howard A. Derry	170 Elm St., Elgin, Ill.	9NL	David L. Waters	1431 St. James Court, Louisville, Ky.
9IK	Arnold W. Fehse	Unassigned	9NM	William Jarvis, Jr.	1330 W. 60th St., Chicago, Ill.
9IL	Robert E. Schwach	Unassigned	9NN	Charles R. Jarosewicz	Unassigned
9IM	Donald A. Weller	Unassigned			
9IN	Unassigned				
9IO	Arthur C. Hengelbrok				
9IP	Earle M. Peck				

9NO Frank M. Harris.....1710 Buchanan St., Topeka, Kans.  
 9NP Thomas C. Maffet.....Opal, Colo.  
 9NQ J. H. Burke.....564 E. Second St., Galesburg, Ill.  
 9NR Myron L. Goding.....301 E. Third St., Holsington, Kans.  
 9NS Joseph P. Snorie.....1220 W. 52d St., Chicago, Ill.  
 9NT Unassigned  
 9NU Henry C. Thotapson.....4133 De Tonty St., St. Louis, Mo.  
 9NV Unassigned  
 9NW Edward C. Slicer.....930 W. 30th St., Chicago, Ill.  
 9NX Quido M. Shuttice.....128 N. Lorraine St., Wichita, Kans.  
 9NY Francis W. Ewing.....740 W. Pleasant St., Springfield, Ohio  
 9NZ Ralph Peterson.....2322 N. Avers Ave., Chicago, Ill.  
 9OA James F. Dobyns.....623 39th St., Des Moines, Iowa  
 9OB Carl A. Mathison.....Onawa, Iowa  
 9OC Lawrence W. Andrews.....1315 E. High St., Davenport, Iowa  
 9OD G. Sheridan Ihl.....3834 N. 25th St., St. Louis, Mo.  
 9OE Paul Willis.....846 Carter Ave., Wichita, Kans.  
 9OF C. A. Krapf.....718 Murtle St., Waukegan, Ill.  
 9OG Perry E. Johnson.....251 E. 16th St., Des Moines, Iowa  
 9OH Lee Mosclecke.....2915 N. Southport Ave., Chicago, Ill.  
 9OI H. Douglas Smith.....4652 Emerson St., Minneapolis, Minn.  
 9OJ David R. Dunlap.....Westboro, Mo.  
 9OK Louis E. Madison.....516 N. 19th St., St. Joseph, Mo.  
 9OL D.A.R. Radio Club of Menominee, State St., Menominee, Mich.  
 9OM Raymond H. Perl.....4053 Greenview Ave., Chicago, Ill.  
 9ON C. Frank Smiley.....7834 Lagoon Ave., Chicago, Ill.  
 9OO Harold E. Wilcox.....1113 Eleventh St., Boone, Iowa  
 9OP Thane H. Malins.....Y. M. C. A., South Bend, Ind.  
 9OQ Vincent Johnson.....1921 Champa St., Denver, Colo.  
 9OR A. F. Marthens.....731 Lincoln St., Evanston, Ill.  
 9OS Richard S. Rea.....628 Center St., Elgin, Ill.  
 9OT W. T. Wiseman.....1119 Villet St., Milwaukee, Wis.  
 9OU Phillip M. Kopley.....425 Bank St., New Albany, Ind.  
 9OV L. E. Oldfield.....36 Thacher Ave., River Forest, Ill.  
 9OW Elder W. Bates.....440 E. 110th Place, Chicago, Ill.  
 9OX Carl L. Pfum.....1944 Deerwood Ave., Louisville, Ky.  
 9OY Walfred W. Swanson.....1912-5th Ave. S., Minneapolis, Minn.  
 9OZ Unassigned  
 9PA Unassigned  
 9PB Harold D. Barton.....107 E. Franklin St., Crawfordsville, Ind.  
 9PC Ralph H. Meyer.....2137 Oakley St., Fort Wayne, Ind.  
 9PD Maurice Druley.....317 20th St., Richmond, Ind.  
 9PE Harry R. and Orval T. Conley.....618 Metropolis St., Metropolis, Ill.  
 9PF Robert A. Pence.....4120 Guilford St., Indianapolis, Ind.  
 9PG Conant Manning.....431 Linden Ave., Highland Park, Ill.  
 9PH Homer E. Crandall.....2114 Oak St., New Albany, Ind.  
 9PI Edward R. Isaak.....Eureka, S. Dak.  
 9PJ Herbert H. Spencer.....2148 Marshall Ave., St. Paul, Minn.  
 9PK Phil Kappa Sigma.....3420 Michigan Ave., Chicago, Ill.  
 9PL Henry M. Ennis.....334 West Fourth St., Ottumwa, Iowa  
 9PM W. H. Pennant.....5028 Cabanne Ave., St. Louis, Mo.  
 9PN Edward N. Hagen.....2326 John St., Superior, Wisc.  
 9PO Arthur Swindin.....630 Kenilworth St., Oak Park, Ill.  
 9PP Harry F. Wilson.....1105 Franklin Ave., Normal, Ill.  
 9PQ Langford T. Bourland.....239 N. Garfield St., Peoria, Ill.  
 9PR Warren R. Ferris.....2011 7th St., Terre Haute, Ind.  
 9PS Ray Youngmeyer.....125 N. Volusia St., Wichita, Kans.  
 9PT William Frits.....3586 Costello Ave., Chicago, Ill.  
 9PU Carl Mueller.....3941 Greenview Ave., Chicago, Ill.  
 9PV Cancelled  
 9PW Harold J. Becker.....3495 Itaska St., St. Louis, Mo.  
 9PX Unassigned  
 9PY Unassigned  
 9PZ Unassigned  
 9QA Arthur B. Johnson.....1703 W. 103d St., Chicago, Ill.  
 9QB Sam Burdett.....4464 Dorchester Ave., Chicago, Ill.  
 9QC Fred R. Clark.....26 S. 11th St., Richmond, Ind.  
 9QD Raymond Keogh.....634 Lorel Ave., Chicago, Ill.  
 9QE Ivan Bulock.....718 E. Second St., Fairmont, Minn.  
 9QF Harold J. Boyce.....188 Juneau Ave., Milwaukee, Wisc.  
 9QG Robert E. Hughes.....519 Ashbury Ave., Evanston, Ill.  
 9QH Harold Newman.....504 N. Vermillion St., Danville, Ill.  
 9QI Burnett A. Bignall.....1109 Lincoln Blvd., Freeport, Ill.  
 9QJ John Vandornick, Jr.....806 Spies Ave., Menominee, Mich.  
 9QK Ray Hecht.....5612 Renwood Ave., Chicago, Ill.  
 9QL Carl W. Schuimecht.....2839 Wyandot St., Denver, Colo.  
 9QM Robert C. Riseling.....239 N. 15th St., Murphysboro, Ill.  
 9QN Austin High School.....5417 Fulton St., Chicago, Ill.  
 9QO Guy May.....616 Kentucky St., Lawrence, Kans.  
 9QP Unassigned  
 9QQ Unassigned  
 9QR William M. Ensen, Jr.....2216 Fairfield Ave., Fort Wayne, Ind.  
 9QS Robert H. White.....1525 Banks Ave., Superior, Wisc.  
 9QT J. Earl Goodwin.....429 Garfield Ave., Indianapolis, Ind.  
 9QU Unassigned  
 9QV Unassigned  
 9QW Norman E. Wunderlich.....4533 N. Sawyer Ave., Chicago, Ill.  
 9QX Fred W. Caleson.....244 W. 7th St., Superior, Wisc.  
 9QY Central Radio Service.....211 N. Main St., Decatur, Ill.  
 9QZ Earl V. Johnson.....938 Johnson St., Madison, Wisc.  
 9RA John J. LeSage.....1010 Webster Ave., Chicago, Ill.  
 9RB R. W. Burns.....304 Masterson Ave., Ft. Wayne, Ind.  
 9RC Clarke and Wahlstrom.....1711 Estes Ave., Chicago, Ill.  
 9RD Unassigned  
 9RE W. E. Monigan.....1818 Oliver St., South Bend, Ind.  
 9RF Frederick L. Shaw.....2411 15th St., Denver, Colo.  
 9RG Jerry Baird, Jr.....1714 Iowa Ave., Superior, Wisc.  
 9RH Leon R. Silvernall.....131 S. Main St., Canton, Ill.  
 9RI Unassigned  
 9RJ O. W. Peterson.....204 Lake Side Dr., Fergus Falls, Minn.  
 9RK LeRoy F. Dalley.....4422 9th Ave., Rock Island, Ill.  
 9RL Kenneth J. Schneiderman.....1401 S. Webster St., Kokomo, Ind.  
 9RM William H. Earle.....21 River St., Iowa Falls, Iowa  
 9RN Jesse Huber Jay.....Cruiser Vacuum II, Vicinity of Chicago  
 9RO Laurence E. Dutton.....1340 N. Homan Ave., Chicago, Ill.  
 9RP Unassigned  
 9RQ Radio Equipment & Mfg. Co.....113 E. Second St., Davenport, Iowa  
 9RS L. B. Lalsure.....1117 Askew Ave., Kansas City, Mo.  
 9RT Kenneth G. Dacy.....336 Dean St., Woodstock, Ill.  
 9RU Jack C. Gnas.....1901 Louisiana St., Evansville, Ind.  
 9RV Robert E. Griffiths.....4704 Fulton St., Chicago, Ill.  
 9RW Franklin A. Miller.....202 W. 13th St., Emporia, Kans.  
 9RX Clarence C. Klantz.....546 E. 40th St., Chicago, Ill.  
 9RY Citizens Radio Service Bureau.....416 S. Dearborn St., Chicago, Ill.  
 9RZ Owen A. Kimball.....1812 Bolles Ave., Topeka, Kans.  
 9SA Braaten, Henry.....Dalton, Minn.  
 9SB George G. Postals.....823 Mill St., W., Bloomington, Ill.  
 9SC Sidney L. Booth.....1314 Addison St., Chicago, Ill.  
 9SD Fred R. Bullis.....3532 N. 53d St., Omaha, Nebr.  
 9SE William J. McLain.....334 S. Topeka St., Wichita, Kans.  
 9SF Saynor A. Schink.....18 Main St., Chilton, Wisc.  
 9SG Herbert Tizor.....1815 Willis Ave., Omaha, Nebr.  
 9SH W. E. Hiller.....1032 Lincoln Ave., St. Paul, Minn.  
 9SH Richard S. Reynolds.....464 60th St., Chicago, Ill.

9SI Layton Siebotham.....126a Newstead Ave., St. Louis, Mo.  
 9SJ George F. Grossman.....Carrollton Radio Shop, Carrollton, Mo.  
 9SK James F. West.....Auburn, Ill.  
 9SL Jay Nagle Edmondson.....Parsons College, Fairfield, Iowa  
 9SM Paul A. Perry.....604 N. Grove Ave., Oak Park, Ill.  
 9SN Herbert B. Froelich.....R.F.D. No. 88, Box 105, Anklam, Mo.  
 9SO George H. Goddard, Jr.....4370 McPherson St., St. Louis, Mo.  
 9SP Sewell P. Wright.....408 W. Monroe St., Springfield, Ill.  
 9SQ Unassigned  
 9SG Unassigned  
 9SH Snelling Radio Club.....3115 Snelling Ave., Minneapolis, Minn.  
 9SI William W. Weedfall.....3407 Olive St., Kansas City, Mo.  
 9SJ Adelaide Greenleaf.....708 Clay St., Woodstock, Ill.  
 9SK Robert B. Witschen.....1419 St. Germain St., St. Cloud, Minn.  
 9SL Theodore H. Lutes.....2601 E. 8th St., Duluth, Minn.  
 9SM Harold G. Hickox.....501 E. Fayette St., Manchester, Iowa  
 9SN Carl E. Goddard.....Shawnee, Kans.  
 9SO Robert E. Pirtle.....218 Columbia St., Council Grove, Kan.  
 9SP Grafton H. King.....212 Elgin St., Forest Park, Ill.  
 9SQ Ludwig D. Dimndorf.....Albany, Minn.  
 9SR Vinton L. Cooley.....6427 Harvard Ave., Chicago, Ill.  
 9ST Robert D. Ashlock.....729 S. 10th St., Noblesville, Ind.  
 9SU Anthony J. McEntee.....244 Green St., Tipton, Ind.  
 9SV Richard A. Gatzek.....317 S. 5th St., Richmond, Ind.  
 9SW Herbert R. Hoos.....1812 Sergeant St., Joplin, Mo.  
 9SX Frederick V. Lammy.....1840 Capitol Ave., Des Moines, Ia.  
 9SY Irving T. Patridge.....Milbank, S. D.  
 9SZ George T. Hancock.....R. F. D. 1, Box 36, Fairfield, Nebr.  
 9TA Ralph E. Foss.....1321 E. 53d St., Chicago, Ill.  
 9TB William T. Lewis.....1032 Park Ave., Racine, Wisc.  
 9TC Elmer A. Koch.....2103 Albany Ave., Chicago, Ill.  
 9TD Western Military Academy.....Alton, Ill.  
 9TE Lynn H. Matthias.....717 South Ave., Antigo, Wisc.  
 9TF Wm. R. Smith.....3401 Parnell Ave., Chicago, Ill.  
 9TG Unassigned  
 9TH Richard H. Burr.....1300 Grattan St., St. Louis, Mo.  
 9TI Joseph Swelch.....4015 Oak St., Calumet, Mich.  
 9TJ Carl H. Knieckrehm.....1113 Elgin Ave., Forest Park, Ill.  
 9TK Humboldt High School.....Humboldt & Augusta Sts., St. Paul, Minn.  
 9TL C. E. Wood.....220 W. Main St., Taylorville, Ind.  
 9TM Robert Parmenter, Jr.....601 S. Broad St., Knoxville, Ill.  
 9TN Colorado Springs Radio Company.....201 N. Cascade St., Colorado Spgs., Colo.  
 9TO Roy C. Frey.....2215 Spring St., New Albany, Ind.  
 9TP W. H. Ahrensfield.....201 N. Prospect Ave., Park Ridge, Ill.  
 9TQ John Weber.....R. F. D. No. 1, Spirit Lake, Iowa  
 9TR Charles L. MacBrace.....9237 Houston Ave., South Chicago, Ill.  
 9TS Charles W. Kronmiller.....2908 Welser Park Ave., Ft. Wayne, Ind.  
 9TU Sigurd Srenungsens.....3944 Montrose Ave., Chicago, Ill.  
 9TV Jackman Electric Co.....924 Central Ave., Ft. Dodge, Iowa  
 9TW David Levy.....1338 Kedvale Ave., Chicago, Ill.  
 9TX Lynn P. Lewis.....1103 E. High St., Davenport, Iowa  
 9TY Vernon R. Lucas.....820 N. 4th St., Fargo, N. Dak.  
 9TZ Unassigned  
 9UA John E. Strecker.....217 Cullen St., Rensselaer, Ind.  
 9UB Karl A. Hawkinson.....1302 Rosemont Ave., Chicago, Ill.  
 9UC Carl Sherman Tunwall.....11th & 1st Ave. N., Ft. Dodge, Iowa  
 9UD George L. LaPlant.....St. Anthony, Iowa  
 9UE Clyde E. Wiley.....28 Barker St., Tuscola, Ill.  
 9UF Roy L. Black.....1271 S. Lincoln St., Denver, Colo.  
 9UG Adolph Z. Zeltzhammel.....1358 S. Keeler Ave., Chicago, Ill.  
 9UH Unassigned  
 9UI Carl W. Dean.....3151 Boulevard Place, Indianapolis, Ind.  
 9UJ Vernon A. Kamin.....3353 Polk St., Chicago, Ill.  
 9UK Grant E. Brown.....910 W. 12th St., Stour Falls, S. Dak.  
 9UL Roy W. Weisbach.....6727 Yale Ave., Chicago, Ill.  
 9UM Unassigned  
 9UN William Symons.....1018 5th St., Anderson, Ind.  
 9UO Leroy M. Glodell, Jr.....Market St., Wabash, Ind.  
 9UP Harry Kozel.....945 North Ave., Waukegan, Ill.  
 9UQ Enwid L. Carlson.....634 N. Harrey Ave., Oak Park, Ill.  
 9UR William C. Moore.....1009 19th St., Manitowoc, Wisc.  
 9US Junior Capen.....203 Broadway, Sedalia, Mo.  
 9UT Herman G. Foster.....Moraqueva, Ill.  
 9UV Clarence N. Crapo.....1175 Second St., Milwaukee, Wisc.  
 9UU Ronald J. Rockwell.....5019 Capitol Ave., Omaha, Nebr.  
 9UW Paul E. Harmegnies.....730 Wisconsin St., Oak Park, Ill.  
 9UX John L. Greene.....1307 Fourth St., Louisville, Ky.  
 9V Unassigned  
 9VA Hale T. Cottrell.....115 E. 13th St., Owensboro, Ky.  
 9VB Palmer Nelson.....1405 First Ave., Fargo, N. Dak.  
 9VC F. H. Lester.....1155 Wisconsin Ave., Oak Park, Ill.  
 9VD Luther M. Allman.....158 N. Main St., Crown Point, Ind.  
 9VE Unassigned  
 9VF Hobart Freiburghouse.....Goff, Kans.  
 9VG R. J. Lyons.....Area, Ill.  
 9VH Richard A. Craig.....202 Littleton St., W. LaFayette, Ind.  
 9VI Grove W. Weston.....341 S. Homan Ave., Chicago, Ill.  
 9VJ Othello M. Smith.....1327 Lake Ave., Kansas City, Mo.  
 9VK Malcolm H. Ramberg.....Yacht, 64th St. and Lake, Chicago, Ill.  
 9VL Ralph W. Elliott.....308 S. First St., Independence, Kans.  
 9VM Unassigned  
 9VN Joseph Fairhall, Jr.....6 S. Gilbert St., Danville, Ill.  
 9VW Unassigned  
 9VX Frank E. Knaeck.....842 Grand Ave., Waukegan, Ill.  
 9VY Dale Roger Clemons.....820 Lincoln Ave., Valparaiso, Ind.  
 9VZ Unassigned  
 9WA Roy H. Owen.....627 Frederica St., Owensboro, Ky.  
 9WB Lawrence R. McDowell.....903 Bartlett Ave., Milwaukee, Wisc.  
 9WC Robert L. Clark.....125 Williams St., Richmond, Ind.  
 9WD William D. Pyle.....429 S. Sherman St., Denver, Colo.  
 9WE Noble B. Watson.....1238 Evison St., Indianapolis, Ind.  
 9WF Y.M.C.A. Radio Club.....8th and Cedar Sts., St. Paul, Minn.  
 9WG Paul Dicker.....116 Fowler Ave., W. LaFayette, Ind.  
 9WH Daniel B. Gould.....1436 Birchwood Ave., Chicago, Ill.  
 9WI William C. Hild.....429 York Ave., York, Nebr.  
 9WJ Jiran D. Cole, Jr.....810 Vernon Ave., Glencos, Ill.  
 9WK George H. Lantz.....487 Kenilworth Ave., Elmhurst, Ill.  
 9WL William C. Behmer.....1336 Kolin Ave., Chicago, Ill.  
 9WM A. J. Losinski.....3527 11th Ave. S., Minneapolis, Minn.  
 9WN Carroll R. Whitney.....714 Vinton St., Waterloo, Iowa  
 9WO Carl A. Stahl.....804 W. 13th St., Anderson, Ind.  
 9WP Arthur B. Berresford.....201 Prospect Ave., Milwaukee, Wisc.  
 9WQ LeRoy Schilling.....3956 Zuni St., Denver, Colo.  
 9WR Halle C. Garrett.....810 E. 40th St., Kansas City, Mo.  
 9WS Charles E. Harrison.....7561 Ellis St., Maplewood, Mo.  
 9WT Kent Ravenscroft.....4944 Lindell Blvd., St. Louis, Mo.  
 9WU E. S. Leavenworth.....Ellendale, N. Dak.  
 9WV William I. Alstead.....617 Western Ave., Topeka, Kans.  
 9WW Unassigned  
 9WX Robert H. Winston.....258 S. York St., Elmhurst, Ill.  
 9WY Edmund H. Lee.....113 1st Ave., N. W., Watertown, S. D.  
 9WZ Charles E. Morton.....2218 Hickory St., St. Louis, Mo.



# Special Radio Stations of the Ninth District

9XA	The United Telephone Co.....	Monroe, Wisc.	9YAJ	Colorado State Normal School...Ohio St., Gunnison, Colo.
9XAA	Unassigned .....		9YAJ	St. Olaf College, Dept. of Physics, Manitou Heights, Northfield, Minn.
9XAC	Karlawa Radio Corporation.....	611 Best Bldg., Rock Island, Ill.	9YAK	Yankton College.....
9XAE	The Cosradio Company.....	1725 Fairmont Ave., Wichita, Kans.	9YAL	Y.M.C.A. Radio Tele. & Tel. Sc 18th Av. & Lincoln St, Denver, Colo.
9XAG	Harry H. Buckwalter.....	713 Lincoln St., Denver, Colo.	9YAM	University of South Dakota.....
9XAI	Colorado School of Mines.....	Golden, Colo.	9YAN	Unassigned
9XAJ	Unassigned		9YAO	Des Moines University.....
9XAN	Unassigned		9YAP	Cancelled
9XAO	Unassigned		9YAR	Lawrence College .....
9XAQ	University of Colorado.....	Dept. of Elec. Eng., Boulder, Colo.	9YB	Purdue University .....
9XB	City of Chicago.....	814 City Hall, Chicago, Ill.	9YC	University of Kentucky.....
9XC	The Colorado College.....	Colorado Springs, Colo.	9YD	Nebraska Wesleyan University, 18th and S Sts., University Place, Nebr.
9XD	Dodge's Institute of Telegraphy.....	Valparaiso, Ind.	9YE	Tilden Technical High School, 47th and Union Aves., Chicago, Ill.
9XE	William H. Kirwan.....	1416 Pleasant St., Davenport, Iowa.	9YF	Unassigned
9XF	A. V. Tronske.....	2920 State St., Rockford, Ill.	9YG	North Dakota Agricultural Col... Fargo, N. Dak.
9XG	Unassigned		9YH	Robt. E. Hughes, Evanston Township H.S., 1220 Elmwood Evanston, Ill.
9XI	University of Minnesota.....	Dept. of Elec. Eng., Minneapolis, Minn.	9YI	Iowa State College.....
9XJ	University of Illinois.....	University Campus, Urbana, Ill.	9YJ	DePauw Univ. ....
9XK	Robert R. Moore.....	200 E. Armour Blvd., Kansas City, Mo.	9YK	The St. Louis University.....
9XL	North Western Radio Co., Inc.....	250 State St., Madison, Wis.	9YL	Armour Institute of Technology.....
9XM	University of Wisconsin.....	Physics Bldg., Madison, Wisc.	9YM	University of Missouri.....
9XN	Leroy M. E. Clausing.....	4545 Whipple St., Chicago, Ill.	9YN	Missouri Sch. of Mines & Met... Rolla, Mo.
9XQ	Quincy Electric Supply Co.....	1033-35 Maine St., Quincy, Ill.	9YO	Unassigned
9XR	Unassigned		9YP	High School of Commerce.....
9XT	St. Johns University.....	Collegeville, Minn.	9YQ	Culver Military Academy.....
9XU	Midwest Rdllo Central, Inc.....	140 E. Walton Pl., Chicago, Ill.	9YR	Westminster College .....
9XV	Samuel E. Adair.....	Union Station Plaza, Kansas City, Mo.	9YS	Illinois Wesleyan University.....
9XW	Lombard College .....	Galesburg, Ill.	9YT	State Normal School.....
9XZ	Paul G. Busey.....	1001 W. Nevada St., Urbana, Ill.	9YZ	Unassigned
9YA	State University of Iowa.....	Physics Bldg., Iowa City, Iowa	9ZE	Unassigned
9YAA	College of Emporia.....	College Campus, Emporia, Kans.	9ZT	Unassigned
9YAB	Washington University.....	Skinker and Lindell, St. Louis, Mo.	9ZY	B. A. Ott.....
9YAC	Superior State Normal School.....	18th & Grand Sts., Superior, Wis.	9ZZ	Unassigned
9YAE	Western Union College.....	Tenth St., LeMars, Iowa	9ZAE	Unassigned
9YAF	Pembina High School.....	Pembina, N. D.	9ZAH	Unassigned
9YAG	Indiana University .....	Dept. of Physics, Bloomington, Ind.	9ZAG	Unassigned

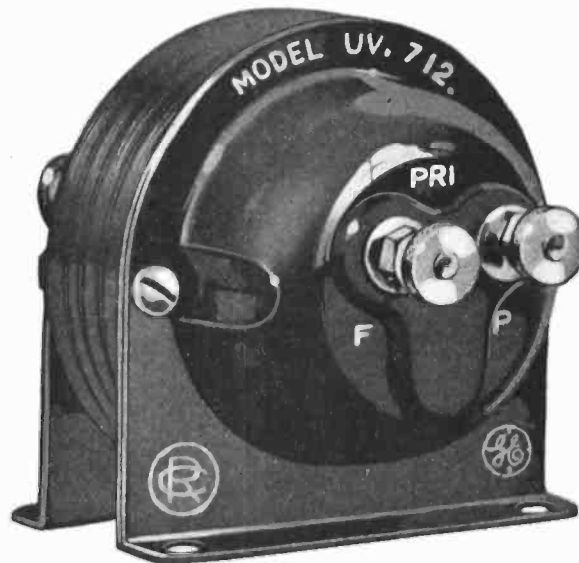
## Announcement



Our Service Department, in charge of competent Radio Engineers, will be glad to answer any questions of a technical nature. Tell us your Radio troubles and send in your suggestions for the improvement of the **CITIZEN'S RADIO CALL BOOK**, which is your book.

Inclose self addressed stamped envelope for your reply

# For Audio Frequency



Model UV-712  
\$7.00

## Physical Characteristics

1. Base Dimensions 2 9/16 in. x 1 11/16 in.
2. Overall height, 2 3/4 in.
3. Net weight, 7 oz.
4. Shipping weight, 10 oz.

## Electrical Characteristics

1. Tap on each winding provides for two wave length ranges: 200 to 500 meters and 500 to 5000 meters.
2. Especially designed for use with Radiotron amplifier tube UV-201-A.

**A** MPLIFICATION in radio reception means increased signal audibility. The current developed in a radio receiving set from a distant transmitting station is not always of sufficient intensity to operate a telephone or a loud speaker.

The radio frequency method of amplification increases the

strength of the incoming antenna current through successive stages until it becomes of sufficient intensity to enable detection to take place. Then with the addition of one or two stages of audio frequency amplification a current of sufficient strength will be generated which may be used to actuate either telephone receivers or loud speaking devices.

**Radio**  **Corporation**  
of America

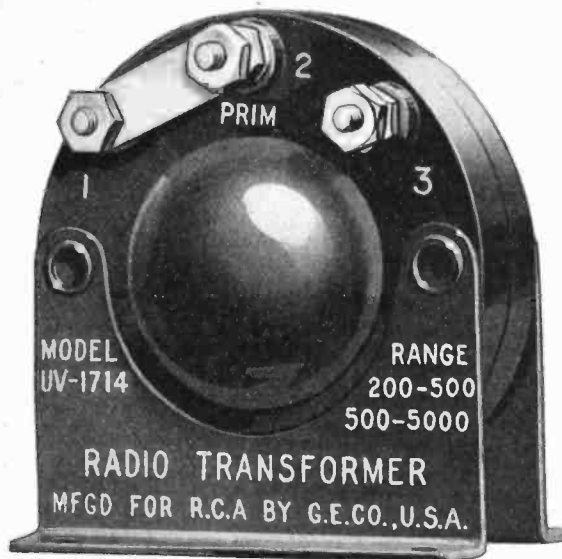
Sales Dept. Suite 2095  
233 Broadway  
New York

District Sales Offices  
10 So. La Salle Street  
Chicago, Ill.

433 California Street  
San Francisco, Cal.

# For Radio Frequency

Model UV-1714  
\$6.50



## Physical Characteristics

1. Totally enclosed
2. Net weight, 1 lb. 4½ oz.
3. Shipping weight, 1 lb. 7 oz.
4. Overall length, 3⅞ in.
5. Overall height, 2¾ in.
6. Base area, 2 x 2¾ in.

## Electrical Characteristics

1. Useful frequency range, 60/3000 cycles.
2. Allowable current on each winding, 10 milliamperes.
3. Test voltage between windings and between core and windings, 300 volts at 60 cycles.
4. Terminal voltage limit of secondary windings, 300 volts.

IT IS a well known fact that for maximum amplification the characteristics of an inter-valve tone frequency amplifying transformer must be such as to fit the output impedance of the preceding tube in a cascade amplifying set. There is an allowable variation of the constants of the transformer when loaded on the secondary by an amplifying tube,

but nevertheless, the maximum signal is obtained from a transformer designed especially to fit the output impedance of the tubes with which it is used.

Transformer UV-712 not only has been designed to fit Radiotron vacuum tubes, but special care has been taken to reduce the transformer losses to the lowest possible minimum.

**Radio**  **Corporation**  
*of America*

Sales Dept. Suite 2095  
233 Broadway  
New York

District Sales Offices  
10 So. La Salle Street  
Chicago, Ill.

433 California Street  
San Francisco, Cal.

Tell 'Em You Saw It in the Citizens Radio Call Book



# Canadian Amateur Radio Stations

General Headquarters: Ottawa, Canada

Department of Marine and Fisheries



## Canadian Amateur Stations of the First District

Which Comprises Nova Scotia, New Brunswick and Prince  
Edward Island.

1AA	H. E. Gaudet	Box 192, Summerside, P.E.I.
1AB	C. W. Alexander	Patterson St., Campbellton, N.B.
1AC	J. A. Hogg	35 Argyle St., Sydney, N.S.
1AD	J. S. Perry	Queen Hotel, Summerside, P.E.I.
1AE	H. Holden	Bay St., Glace Bay, N.S.
1AF	J. L. Fenderson	Jacquet River, N.B.
1AG	R. O. McCurdy	102 Willow St., Truro, N.S.
1AH	G. A. Sandoz	Emstote C., Franklin St., Halifax, N.S.
1AI	P. L. Whitman	63 Victoria Rd., Halifax, N.S.
1AJ	S. Jones	Beech St., Sydney Mines, N.S.
1AK	A. L. Atkinson	Little River, St. John, N.B.
1AL	F. Harrington	41 Cranston Ave., St. John, N.B.
1AM	E. C. Oiding	340 Forbes St., New Glasgow, N.S.
1AN	W. L. Codner	3 Cranston Ave., St. John, N.B.
1AO	University of King's College	Physics Department, Windsor, N.S.
1AP	P. F. McCully	Woodburne, Pictou Co., N.S.
1AQ	R. T. Wetmore	80 Cobourst St., St. John, N.B.
1AR	J. J. Fassett	Pleasant St., Dartmouth, N.S.
1AS	E. F. Burke	Joggin Mines, N.S.
1AT	R. C. Peters	Westmount, Sydney, N.S.
1AU	L. C. Batho	105 1/2 Cedar St., Halifax, N.S.
1AV	J. B. Calder	Stellarton, N.S.
1AW	G. A. Edwards	North Sydney, N.S. (Box 155)
1AX	J. H. McCulloch	New Glasgow, N.S.
1AY	A. P. Watson	166 Union St., Sydney, N.S.
1AZ	E. R. Quilter	Glacis Barracks, Halifax, N.S.
1BA	S. K. Wetmore	175 Canterbury St., St. John, N.B.
1BB	C. A. Barbour	90 Pitt St., St. John, N.B.
1BC	R. H. Williams	148 Durham St., St. John, N.B.
1BD	J. F. Greene	29 Portland St., Dartmouth, N.S.
1BE	G. R. Erb	39 Metcalf St., St. John, N.B.
1BF	S. Rafferty	228 Waterloo St., St. John, N.B.
1BG	F. Henry	Southport, P.E.I.
1BH	C. C. Gaudet	Box 679, Summerside, P.E.I.
1BI	J. A. Martin	98 1/2 Edward St., Halifax, N.S.
1BJ	J. A. Johanson	Box "G," Pleasant St., Truro, N.S.
1BK	Unassigned	
1BL	L. C. Young	345 Bentinck St., Sydney, N.S.
1BM	G. D. Crowell	305 Bentinck St., Sydney, N.S.
1BN	F. A. A. Mutch	132 Water St., Charlottetown, P.E.I.
1BO	R. S. Hart	86 Mecklenburg St., St. John, N.B.
1BP	J. H. P. Matheson	74 Temperance St., New Glasgow, N.S.
1BQ	A. W. Greig	142 North St., Halifax, N.S.
1BR	W. S. Trotter	308 George St., New Glasgow, N.S.
1BS	Unassigned	
1BT	J. J. Holmes	436 Lingan Rd., Wh. Pr., Sydney, N.S.
1BU	W. G. Cook	298 Oxford St., Halifax, N.S.
1BV	Unassigned	
1BW	G. Charlton	Bridgetown, N.S.
1BX	L. A. Snow	191 Union St., Sydney, N.S.
1BY	W. A. Noble	105 Carmarthen St., St. John, N.B.
1BZ	F. W. Hyndman	119 Rochford St., Charlottetown, P.E.I.
1CA	G. G. Houston	4 Grafton St., Charlottetown, P.E.I.
1CB	R. H. Ellis	Brunswick Hotel, Kensington, P.E.I.
1CC	G. S. Coleman	William St., N. Sydney, N.S. Bx. 172
1CD	W. E. Davison	Commerill St., Berwick, N.S.
1CE	A. A. Gayton	411 Townsend St., Sydney, N.S.
1CF	Unassigned	
1CG	R. D. Stiles	Pictou, N.S.
1CH	F. E. Caswell	273 Sydney St., Charlottetown, P.E.I.
1CI	A. T. Mackay	Box 163, Summerside, P.E.I.
1CJ	A. E. MacPhail	Southport, P.E.I.
1CK	W. E. Burke	36 Up. Hillsboro, Charlottetown, P.E.I.
1CL	G. B. Ingraham	41 Rodney St., W. St. John, N.B.
1CM	C. H. L. Baker	8 South Bland St., Halifax, N.S.
1CN	H. C. Whitney	Summerside, P.E.I.
1CO	A. H. Mackie	Cottage Lane, Summerside, P.E.I.
1CP	R. G. Moffat	Cottage Lane, Glace Bay, N.S.
1CQ	M. J. Cleary	Box 312, North Sydney, N.S.
1CR	C. C. Mader	Mahone Bay, N.S.
1CS	G. I. Langille	Mahone Bay, N.S.
1CT	R. R. Brady	Richmond St., Charlottetown, P.E.I.
1CU	H. B. Torrey	Brookside Ave., New Glasgow, N.S.
1CV	M. P. Ernst	Mahone Bay, N.S.
1CW	J. L. MacDonald	Westmount, Sydney, N.S.
1CX	A. B. Campbell	Cottage Lane, Glace Bay, N.S.
1CY	Wm. Fredwell	Bay St., Glace Bay, N.S. (Box 38)
1CZ	D. C. Ellis	Port William, N.S.
1DA	J. T. Martell	Box 872, Newton St., Glace Bay, N.S.
1DB	A. P. W. Prichard	Summerside, P.E.I.
1DC	J. S. Kirt	Porter St., Yarmouth, N.S.
1DD	W. C. Borrett	14 Sinclair St., Dartmouth, N.S.
1DE	C. A. Landry	Portland St., Dartmouth, N.S.
1DF	C. C. Curran	124 Edward St., Halifax, N.S.
1DG	C. L. Baird	Kentville, N.S.
1DH	P. Jess	Brook St., Kentville, N.S.
1DI	F. U. Mader	Mahone Bay, N.S.
1DJ	E. S. Campbell	92 Beach St., Halifax, N.S.
1DK	G. F. Spencer	Port Morien, N.S.
1DL	N. T. Worgan	208 Whitney Ave., Sydney, N.S.
1DM	S. H. Appleton	101 Morien Hill, C. M. (C.B.) N.S.

1DN	F. E. Harrington	16 Wellington Row, St. John, N.B.
1DO	University of New Brunswick	Physics Dept., Fredericton, N.B.
1DP	G. C. Laurence	63 Le Marchant St., Halifax, N.S.
1DQ	A. M. Crowell	18 Thompson St., Dartmouth, N.S.
1DR	H. L. Northrup	129 King St. E., St. John, N.B.
1DS	D. F. Love	West Side, New Glasgow, N.S.
1DT	H. Lardner	69 Inglis St., Halifax, N.S.
1DU	N. G. Smith	3 Carleton St., St. John, N.B.
1DV	R. Wood	Summerside, P.E.I.
1DW	T. G. Lantz	Mahone Bay, Lunenburg Co., N.S.
1DX	R. Ramsay	King St., Summerside, P.E.I.
1DY	K. M. Harrison	8 Simonds St., St. John, N.B.
1DZ	C. F. Hutchinson	Commercial St., Berwick, Kings Co., N.S.

## Canadian Amateur Stations of the Second District

Comprises the Province of Quebec.

2AA	J. Picard	Le Banque Nationale, Bienville
2AB	J. D. Jarest	51 Fraser St., Levis
2AC	F. H. Allcorn	99 Selby St., Westmount
2AD	Unassigned	
2AE	S. Jacobs	30 Lincoln Ave., Montreal
2AF	P. E. Lesage	255 Laval St., Montreal (Loc.)
2AG	R. M. Foster	379 Selby Ave., Westmount
2AH	G. Palmer	Apt. 226, 1074 Greene Av., Westmount
2AI	A. C. McKim	648 Roslyn Ave., Westmount
2AJ	W. Parenteau	8 Bellerive St., Cap. Madeline
2AK	W. Quenneville	1078 Blvd. Gouin W., Montreal
2AL	H. A. Robinson	4455 St. Catherine St., W. Montreal
2AM	A. E. Rowland	684 Cuvillier St., Hochelaga, Montreal
2AN	H. A. Harries	705 Grosvenor Ave., Westmount
2AO	C. Patchell	23A Lafayette Ave. S., Montreal
2AP	R. St. Jacques	Lakeside
2AQ	G. N. Booth	Farnham
2AR	F. Renaud	707 Laval Ave., Montreal
2AS	G. H. C. Buzzell	Cowanville
2AT	J. O. H. Ricard	Mauricie & St. Catherine Sts., Grand Mero
2AU	H. McRobb	3023 Notre Dame St. E., Montreal
2AV	C. C. Cornelle, Jr.	4289 Western Ave., Westmount
2AW	H. G. Robitaille	265 Delnelle St., St. Henry, Montreal
2AX	G. H. Barnes	Stanbridge, East
2AY	Bro. Dominique	Athabaska College, Athabaska
2AZ	W. Hinde, Jr.	227 Anger St., Montreal
2BA	J. L. P. Landry	Mont Joli
2BB	R. M. Brophy	39 York Ave., Westmount
2BC	N. MacLennan	843 Evelyn St., Verdun
2BD	E. Desroches	459 Cartier St., Montreal
2BE	A. Reid	202 Birch Ave., St. Lambert
2BF	O. DeCelles	400 Rachel St. E., Montreal
2BG	T. H. Letts	97 Quinn Ave., Longueuil
2BH	H. W. Forsyth	2593a Park Ave., Montreal
2BI	G. A. Boon	84 St. James St., Longueuil
2BJ	C. E. Heroux	55 Rue St. Roch, Three Rivers
2BK	J. A. Lacerte	Yamachiche
2BL	H. E. Coram	168 Milton St., Montreal
2BM	G. D. Poole	481 Argyle Ave., Westmount
2BN	J. L. Miller	136 Vendome Ave., N.D.G., Montreal
2BO	H. Racine	2264 Frontenac St., Montreal
2BP	D. Sharpe	126 Lewis Ave., Westmount
2BQ	A. Palchoud	392 Durocher Ave., Outremont
2BR	M. L. R. Hersey	13 Rosemont Ave., Westmount
2BS	Brossard Elec. Service & Repair Co.	173 Park G. E. Cartier, Montreal
2BT	F. A. A. Bailly	Cadastral 162—Lot 352, N.D.G., Mont.
2BU	E. P. Hobart	5607 Western Ave., N.D.G., Montreal
2BV	C. H. R. Bird	337B Selby Ave., Westmount
2BW	H. H. Walker	4339 Westmount Ave., Westmount
2BX	J. H. Laporte	351 Sanguinette St., Montreal
2BY	J. C. Bernier	2590 Park Ave., Montreal
2BZ	L. M. A. Paquin	152 Marquette, Montreal
2CA	Rev. Father Benoit	695 Academie Melleur, Montreal
2CB	C. H. Bushell	28 Quinn Ave., Longueuil
2CC	H. H. Wardleworth	168 Cote St. Antoine Rd., Westmount
2CD	T. H. Smyth	4822 Western Ave., Westmount
2CE	H. S. Walker	1123a Bordeaux St., Montreal
2CF	J. Gibbons	2378 Mance St., Montreal
2CG	J. V. Artye	493 Decarie Blvd., Montreal
2CH	E. L. Glassford	165 Northcliffe Ave., Montreal
2CI	E. W. Farmer	Farnham
2CJ	P. L. Desaulniers	Port Rouge, Station
2CK	J. J. Miller	44 Sunnyside Ave. W., Westmount
2CL	E. E. Robinson	286 Regent Ave., N.D.G., Montreal
2CM	J. A. Adam	83 Cherrier St., Montreal
2CN	F. G. Todd, Jr.	597 Argyle Ave., Westmount
2CO	S. H. Wetzler	119 Lewis Ave., Westmount
2CP	J. H. Bolton	394 Reconsfield Ar., N.D.G., Montreal
2CQ	B. A. Norman	250 De Villiers St., Cote St. Paul, Montreal
2CR	J. M. McConnell	360 Elm Ave., Westmount
2CS	A. G. P. Ledue	466 Delorimier Ave., Montreal
2CT	Unassigned	
2CTV	A. J. Millikan	108 Edison Ave., St. Lambert
2CV	A. K. Almon	608 Grosvenor Ave., Westmount
2CW	R. Thornton	487 Notre Dame St., St. Lambert
2CX	E. Plow	316 Kensington Ave., Westmount
2CY	R. I. Beall	327 Roslyn Ave., Westmount
2CZ	Unassigned	
2DA	Bro. Adolphe	420—6th Ave., Rosemont, Montreal

# Canadian Amateur Stations of the Third District

Comprises the Province of Ontario.

2DB	Bro. Amanitus	St. Antoine Acad., LaBale, Yamaska, Co.
2DC	T. R. Keene	164 Marlowe Ave., Montreal
2DD	H. Stethem	Cavalry Barracks, St. Johns
2DE	D. O. Bremner	374 Roslyn Ave., Westmount
2DF	Unassigned	
2DG	Rev. L. Perron	Charney, Lewis
2DH	H. A. Buckle	175 Willbrod Ave., Verdun
2DI	F. O. Stredder	Central Branch, Y.M.C.A., Montreal
2DJ	G. L. Marler	Grantam Hall, Drummondville
2DK	T. G. Borlight	Martins Hotel, Farnham
2DL	A. G. Kerr	24 Mercille Ave., St. Lambert
2DM	H. Shehyn	139 Grande Allee, Quebec
2DN	G. Hebert	102-2nd Ave., Vlauville, Montreal
2DO	T. C. Darling	78 St. Matthew St., Montreal
2DP	F. X. Frechette	117 De Courcelles St., Montreal
2DQ	L'Abbe H. Simard	L'Universite Laval, Quebec
2DR	Unassigned	
2DS	F. W. Gross	539 Grosvenor Ave., Westmount
2DT	Unassigned	
2DU	W. E. Gerrard	222 Mercille Ave., St. Lambert
2DV	R. O. Calder	4084 Tupper St., Westmount
2DW	A. S. Sault	E. T. C. Co., Coronation Bldg., Mont.
2DX	G. J. Matheson	464 Strathcona Ave., Westmount
2DY	G. E. Findlay	238 Redfern Ave., Westmount
2DZ	K. E. Clare	361 Victoria Ave., St. Lambert
2EA	J. T. Thompson	249 Edison Ave., St. Lambert
2EB	Unassigned	
2EC	J. A. Rutherford	49 Aberdeen Ave., Westmount
2ED	Unassigned	
2EE	P. A. Brault	405 Durocher Ave., Outremont
2EF	J. C. Binne	563 Grosvenor Ave., Westmount
2EG	A. P. O'Connor	157 LaPorte Ave., Montreal
2EH	Unassigned	
2EI	C. S. Miller	96 Grande Blvd., Montreal
2EJ	Unassigned	
2EK	G. A. Kemp	20 Laviolette, Three Rivers
2EL	D. Rhodes	469 Melrose Ave., N.D.G., Montreal
2EM	V. Sharpe	62 St. Julia St., Quebec
2EN	Unassigned	
2EO	S. M. Nesbitt	La Tuque
2EP	J. W. Strachan	118 Brewster Ave., Montreal
2EQ	T. HDL	741 Evelyn St., Verdun
2ER	Unassigned	
2ES	Unassigned	
2ET	G. B. Campbell	233 Westminster Ave., Montreal
2EU	S. Eitman	74 Willbrods Ave., Verdun
2EV	J. E. Dussault	469 Chambrod St., Montreal
2EW	O. Yates	81 Springland Av., Ville Emard, Mont.
2EX	Frere Renus Raymond	Commercial College, Ste. Marie, Beauce Co.
2EY	B. Keates	2466 Hutchison St., Montreal
2EZ	A. E. Gogo	2454 Hutchison St., Outremont, Mont.
2FA	H. E. Blachford	Rosemere
2FB	H. S. Matthews	52 McGill College Ave., Montreal
2FC	H. A. Hall	Rock Island
2FD	Frere Aubert	Col. Com., St. Jerome Co., Terrebonne
2FE	Bro. Hadulphe	Drummondville
2FF	L. B. Campbell	609 Victoria Ave., Westmount
2FG	R. S. Irving	83 Stanley Ave., St. Lambert
2FH	A. Senecal	274 Galt Ave., Verdun
2FI	C. F. Loucks	98 Somerville Ave., Westmount
2FJ	A. Robert	1109 Ethel St., Verdun
2FK	E. Fontaine	251 Richardson St., Quebec
2FL	G. G. Wilding	2041 Bourdeau St., Montreal
2FM	R. R. Hanna	5069 Sherbrooke St. W., Montreal
2FN	H. D'Aray	604 Sherbrooke St. E., Montreal
2FO	R. MacDonald	4383 Westmount Ave., Westmount
2FP	P. A. Le Bel	College de St. Laurent, Montreal
2FQ	T. V. Alder	425 Nicolet St., Montreal
2FR	Unassigned	
2FS	Frere Flavius	College de Sacre Coeur, Granby
2FT	J. Bradley	c-o Canada Paint Co., Ltd., Redmill
2FU	W. G. Southam	617 Roslyn Ave., Westmount
2FV	F. V. Farmer	74 Bonaventure St., Three Rivers
2FW	J. MacPherson	696 Gordon Ave., Verdun
2FX	W. H. Champagne	1089 Notre Dame, W. Montreal
2FY	H. H. Rowland	1768 Delorimier St., Montreal
2FZ	T. Brisechois	St. Vincent de Paul
2GA	A. Cadieux	600 De La Naudierre, Montreal
2GB	F. W. McCrea	85 Melbourne St., Sherbrooke
2GC	P. L. Rivard	56 De Larocbe, Montreal
2GD	J. E. Lanorte	28 1/2 Ste. Marie St., St. Hyacinthe
2GE	C. L. Ransom	18 Melbourne Ave., Westmount
2GF	J. Lamore	14 St. Louis St., Three Rivers
2GG	R. Veilliers	Ste. Gertrude Co., Nicolet
2GH	J. E. McCrea	Lennoxville
2GI	P. Jackson	437 Grosvenor Ave., Westmount
2GJ	H. Beswick	670-9th Ave., Rosemount, Montreal
2GK	W. S. Vipond	192 St. Joseph Blvd. W., Montreal
2GL	J. A. Hope	2165 Waverly St., Montreal
2GM	M. Nathanson	1803 St. Urbain St., Montreal
2GN	A. Gendron	235 Fulham St., Montreal
2GO	W. R. J. Oliver	525 Clarke Ave., Westmount
2GP	G. Caron	Nicolet
2GQ	J. Lavergne	23 Hebert, Quebec
2GR	J. A. Marquis	(P. O. Box 232), Montmagny
2GS	I. Lupien	Plessis St. Nicolet
2GT	K. H. Wigget	19 Marquette St., Sherbrooke
2GU	T. C. Lindsay	631 Church Ave., Verdun
2GV	F. Giroux	Joliette
2GW	W. H. C. Jarand	56 Willowdale, Outremont
2GX	British Colonial Contracting Co.	318 Lagachebriere St., Montreal
2GY	J. I. Clairmont	La Rock House, Valleyfield
2GZ	S. D. Long	102a Ash Ave., Montreal
2HA	J. G. McMurtie	80 Gifroud Ave., Montreal
2HB	J. Touchette	153 Concord St., St. Hyacinthe
2HC	C. S. V. Hawkins	5 King George Ave., Kenogami
2HD	E. R. Quilter	
2HE	M. Ducharme	245 Fulham St., Montreal
2HF	W. E. Keyes	190 Woodland Ave., Verdun
2HG	O. Ball	704 Louis Veillot, Montreal
2HH	D. F. Blakie	290 Marlowe Ave., Montreal
2HI	B. M. Bloomfield	4019 Dorchester St. W., Westmount
2HJ	Rev. L. M. Destroismaisons	St. Croix Co., Lotbiniere
2HK	T. Byrne	93 Quesnel St., Montreal
2HL	Can. Wireless & Elec. Co., Ltd.	36 Palace Hill, Quebec
2HM	G. S. Johnston	St. Hyacinthe
2HN	G. D. Paradis	Grand Ligne
2HO	H. H. Camarlain	421 Notre Dame St., St. Lambert
2HP	G. Payette	594 Dorlon St., Montreal
2HQ	J. S. Wright	519 Clarke Ave., Westmount
2HR	T. Lioneis	80 Lanorte Ave., St. Henry, Montreal
2HS	R. J. Duggan	2594 Park Ave., Apartment 8, Montreal
2HT	R. Larin	310 Patricia St., Montreal
2HU	J. Lavole	165 Amherst St., Montreal
2HV	F. W. Heavysage	96a Lafayette Ave., Montreal
2HW	R. G. Johnston	33 Chesterfield Ave., Westmount
2HX	D. Pommerville	813 Cartier St., Montreal
2HY	R. R. Gates	3014 Ontario St. E., Maisonneuve, Montreal

3AA	W. L. Love	136 Main St., Galt
3AAA	F. G. A. Phillip	65 Concession St., Galt
3AAB	H. R. Werner	120 1/2 Wharf Rd. S., London
3AC	J. K. Montgomery	152 Pearson Ave., Toronto
3AAD	H. M. Wilby	3 Elsmere Ave., Weston
3AAE	A. J. Knowlton	2 Silver Birch Ave., Toronto
3AAF	F. Bing	90 Gledhill Ave., Toronto
3AAG	P. N. Maignuy	171 Victoria Rd., Walkerville
3AAH	P. N. Maignuy	171 Victoria Rd., Walkerville
3AAI	J. H. Towers	2986 Dundas St. W., Toronto
3AAJ	C. R. Harrison	48 Carleton St., St. Catharines
3AAK	W. S. Scott	Box 50, Corunna
3AAL	H. L. G. Westland	58 Lorne Ave., Hamilton
3AAM	F. W. Wilkins	235 Victoria St., N. Woodstock
3AAN	The Beaver Club	74 Brooke St., Galt
3AAO	L. D. Sherwin	742 Dovercourt Rd., Toronto
3AAP	D. W. Hatch	583 George St., Woodstock
3AAQ	T. V. Parker	Stoney Creek
3AAR	C. Hitchcock	147 Sandvich St., Walkerville
3AAS	L. E. Flewelling	46 Owen St. E., Toronto
3AAT	M. A. Summer	39 Metcalfe St., Toronto
3AAU	J. K. Lee	245 Howland Ave., Toronto
3AAV	A. T. Jones	325 Kingswood Rd., Toronto
3AAW	R. J. Nelles	1328 King St. W., Toronto
3AAX	A. Warwick	34 Hillcrest Ave., St. Catharines
3AAY	Canada Radio Stores	269 1/2 Princess St., Kingston
3AAZ	L. H. Kerr	1121 Ford St. W., Fort William
3AB	A. G. McLerie	Camp Borden
3ABA	Kitchener & Waterloo Rad. Club	Y. M. C. A. Bldg., Kitchener
3ABB	Wm. Hohlsteln	158 Walmer Rd., Toronto
3ABC	V. Raham	192 Dowling Ave., Toronto
3ABD	H. G. Smith	627 Arthur St., Windsor
3ABE	J. M. Brownlee	Elphn
3ABF	Wm. Geo. Cousins	31 Lett St., Ottawa
3ABG	R. O. Popham	66 Kains St., St. Thomas
3ABH	O. E. Fleming	"Kittiwake" C.A. Victoria Bg. Windsor
3ABI	O. E. Fleming	Goderich
3ABJ	C. Venn	65 Knox Ave., Sault Ste. Marie
3ABK	W. S. Phelps	134 Prince Rd., Sandvich
3ABL	J. W. McCutcheon	50 Rochampton Ave., Toronto
3ABM	S. E. Millin	376 Queen St., Chatham
3ABN	J. H. Fowler	R. R. No. 1, Goderich
3ABO	G. Garroch	304 N. Mitten St., Sarnia
3ABP	R. Norwood	413 Confederation St., Sarnia
3ABQ	W. C. C. Duncan	196 Elsworth Ave., Toronto
3ABR	G. W. Cushnie	Mount Forest
3ABS	J. V. Elliot	30 Kensington Ave. N., Hamilton
3ABT	M. L. Doyle	577 Bloor St. W., Toronto
3ABU	Moffat Motor Sales, Ltd.	Oshawa
3ABV	K. Walker	123 Margueretta St., Toronto
3ABW	W. A. Paterson	17 Douglas St., Woodstock
3ABX	W. Hadden	292 Rhodes St., Toronto
3ABY	C. E. Cousins	187 Crawford St., Toronto
3ABZ	A. A. Parkinson	539 Parkmont Road, Toronto
3ACA	W. J. Cleveland	12 Mill St., Kingsville
3ACB	P. A. Boisseau	12 Bellevue Ave., Sault Ste. Marie
3ACD	W. B. Bangay	60 Golfview Ave., Toronto
3ACD	J. C. Cox	29 Jones St., St. Catharines
3ACE	J. H. Mitchell	11 Ontario St. S., St. Catharines
3ACF	H. I. Cohen	209 Queen St., Kingston
3ACG	M. I. Higgins	151 Ontario St., Stratford
3ACH	H. T. Lewis	416 Westmoreland Ave., Toronto
3ACI	C. N. Gardo	1267 College St., Toronto
3ACJ	St. Catharines Radio Studios	St. Paul St., St. Catharines
3ACK	A. Letty	R.R. No. 4, St. Catharines
3ACL	H. H. McGarry	77 Clifton Ave., Niagara Falls
3ACM	W. A. Potts	98 1/2 Courcellette Road, Toronto
3ACN	W. B. Whitfield	729 Pellissier Ave., Windsor
3ACO	A. J. Green	104 Francis St., Galt
3ACP	C. A. Pollock	68 Benton St., Kitchener
3ACQ	A. A. Massingham	271 Booth Ave., Toronto
3ACR	M. J. S. McNiben	124 Northumberland St., Guelph
3ACS	C. A. Dann	158 Major St., Toronto
3ACT	F. Humphries	461 Dorinda St., London
3ACU	G. D. Crowther	280 Bloor St. W., Toronto
3ACV	F. Marconi	1169 Dufferin St., Toronto
3ACW	S. J. Deemert	34 Pauline Ave., Toronto
3ACX	W. Reid	361 Division St., Kingston
3ACY	B. S. Graham	269 Wortley Road, London
3ACZ	G. A. Thurling	57 Frederic St., Eumbar Bay
3AD	L. W. Sproule	57 Beaconsfield Ave., Toronto
3ADA	G. A. Trimble	5 Ontario Ave., Sault Ste. Marie
3ADE	F. H. Pearce	88 Queenstown St., St. Catharines
3ADD	R. G. Buckingham	102 North St. Vincent St., Stratford
3ADE	H. L. Wusdell	80 Emerald St. S., Hamilton
3ADF	H. L. Brignall	608 Windermere Ave., Toronto
3ADG	W. R. McCullagh	43 Rusholme Park Crescent, Toronto
3ADH	E. Frank Smith	67 Belhaven Road, Toronto
3ADI	C. B. Gibson	10 Vancouver Ave., Toronto
3ADJ	H. E. Bickmore	Muskoka St., Gravenhurst
3ADK	C. W. Mitchell	Elm St., Huntsville
3ADL	F. Reynolds	48 Lockwood Road, Toronto
3ADM	L. H. Westwood	214 Grace St., Toronto
3ADN	W. H. M. Thomson	18 Erie Ave., London
3ADO	D. T. Lawrie	101 Beechwood Ave., Hamilton
3ADP	C. J. L. Zryd	27 Close Ave., Toronto
3ADQ	J. Herring	123 Orchard View Blvd., Toronto
3ADR	F. C. Dunn & R. B. Grimm	119 William St., Kingston
3ADS	J. A. Thatcher	37 Cowan Ave., Toronto
3ADT	P. T. Fleischer	Thames St. N., Ingersoll
3ADU	D. Lang	150 Queen St. S., Kitchener
3ADV	C. S. Brown	Caroline St., Huntsville
3ADW	G. H. D. Stull	1 Richardson St., Guelph
3ADX	H. W. Cooper	Cor. Hamilton & Victoria St., Goderich
3ADY	J. E. C. Kossatz	431 Mary St., Pembroke
3ADZ	R. S. Hurst	241 McCaul St., Toronto
3AE	C. M. Bunt	759 Second Ave. W., Owen Sound
3AF	J. Henderson	Dominion Observatory, Ottawa
3AG	E. Shulver	914 Carlow Ave., Toronto
3AH	R. D. and E. A. Huestis	54 Huntley St., Toronto
3AI	G. N. Jennings	322 Church St., Weston
3AJ	L. H. Nash	80 Bellwoods Ave., Toronto
3AK	N. M. Burgess	150 College Ave., N. Sarnia
3AL	H. B. McKenzie	366 Sadna Rd., Toronto

3AM C. A. Rose.....25 Wilkins St., Brantford  
 3AN B. A. McClellan.....Wheatley  
 3AO H. W. Newman Electric Co.....167 Princess St., Kingston  
 3AP A. G. Webb.....110 Loretta Ave., Ottawa  
 3AQ D. O. Parks.....689 Ossington Ave., Toronto  
 3AR Bernard Spratt.....193 Perth Ave., Toronto  
 3AS A. Pritchard.....611 Simcoe St., London  
 3AT P. E. Bernard.....177 Ann St., Toronto  
 3AU H. L. Loughheed.....6 Garnock Ave., Toronto  
 3AV D. Borrowman.....Leamington  
 3AW J. Williams.....20 Stanley Ave., Toronto  
 3AX H. W. Murray.....Box 2, Goderich  
 3AY F. J. Williams.....Capreol  
 3AZ C. P. Tuckett.....Homeood Sanitarium, Guelph  
 3BA O. G. and W. K. Mitchell.....104 Pearl St., Brantford  
 3BB R. E. Cropper.....267 Dunsmuir Ave., Hamilton  
 3BC L. A. Thompson.....100 Merrick St., Toronto  
 3BD R. H. Stainton.....521 Gladstone Ave., Toronto  
 3BE R. R. Love.....136 Main St., Galt  
 3BF E. B. Sisley.....1363 King St. W., Toronto  
 3BG A. M. Hale.....166 Kohler St., Sault Ste. Marie  
 3BH L. K. McKenzie.....152 Kohler St., Sault Ste. Marie  
 3BI J. N. McGrigge.....54 Cambridge St., Galt  
 3BJ J. M. Fenlin.....927 Richmond St., London  
 3BK W. D. Bennett.....30 Albany Ave., Toronto  
 3BL W. D. Brown.....157 Cumberland St., Toronto  
 3BM F. W. Hindon.....147 Bedford Road, Toronto  
 3BN F. E. Calvert.....625 Bay St., Ottawa  
 3BO C. M. Stork.....133 Beecker Ave., Belleville  
 3BP E. S. Rogers.....49 Nanton Ave., Toronto  
 3BQ H. M. Linke.....80 Wellington St., Kitchener  
 3BR W. A. Bernhardt.....112 Queen St., South Kitchener  
 3BS W. R. Brown.....167 Robinson St., Niagara Falls  
 3BT B. O. Wallace.....232 Soudan Ave. N., Toronto  
 3BU C. G. Ginac.....Cor. Coyeau & Shepard, Windsor  
 3BV R. Bertrand.....307 Chatham St., Windsor  
 3BW G. R. Weese.....53 Adelaide St. W., Toronto  
 3BX C. E. G. Molony.....177 Brock St., Sault Ste. Marie  
 3BY T. E. Reeves.....487 Ossington Ave., Toronto  
 3BZ C. F. Henry.....22 Division St., St. Catharines  
 3CA J. H. Hunt.....5 Pine St., Merrinton  
 3CB W. G. Connor.....240 Pinnacle St., Belleville  
 3CC A. L. Street.....157 Beckwith St., Smith Falls  
 3CD T. S. Welsman.....12 Walmer Rd., Toronto  
 3CE W. R. Carruthers.....5 Wells St., Toronto  
 3CF F. Murch.....Goderich  
 3CG C. W. Boughner.....57 Cedar St., Galt  
 3CH C. Colchester.....201 Brant Ave., Brantford  
 3CI R. J. Adams.....264 Erie Ave., Brantford  
 3CJ H. E. Taylor.....557 Gladstone Ave., Toronto  
 3CK G. N. Middleton.....173 Glenrose Ave., Toronto  
 3CL H. and J. Montagnes.....134 Howland Ave., Toronto  
 3CM W. A. Dusky.....437 Sandwich St., Windsor  
 3CN W. S. Newsome.....17 Joseph St., Windsor  
 3CO G. Fowler.....28 Royce Ave., Toronto  
 3CP W. F. Chot.....241 Robert St., Toronto  
 3CQ C. A. Clarke.....R. R. No. 1, Ingersoll  
 3CR A. J. O'Donnell.....21 Carol St., Toronto  
 3CS S. J. Metzler.....Burwash Hall, Toronto  
 3CT A. E. Hagarty.....6 Chestnut Park Rd., Toronto  
 3CU S. M. Jones....."Lisnadd," Ava Road, Brantford  
 3CV F. Everett.....Front St., Thorold  
 3CW F. Boley, Jr.....Lorne & Caroline Sts., Huntsville  
 3CX P. A. Clark.....18 McMillan Ave., Toronto  
 3CY W. H. Kelterborn.....137 Gladstone Ave., Hamilton  
 3CZ H. H. Moor.....63 Tranby Ave., Toronto  
 3DA E. J. Bowers.....37 Lowther Ave., Toronto  
 3DB A. E. Sole.....184 Stewart St., Sarnia  
 3DC J. R. Bain.....65 Carfield Ave., S. Hamilton  
 3DD W. G. Wastell.....704 Portage Ave. N., Fort Frances  
 3DE H. G. Smith.....531 Ossington Ave., Toronto  
 3DF E. Fowler.....28 Royce Ave., Toronto  
 3DG A. G. Shearer.....12 Hewitt Ave., Toronto  
 3DH A. F. W. Lyons.....26 Dufferin Ave., Brantford  
 3DI W. J. Carter.....512 Niagara St., Windsor  
 3DJ H. M. Overholt.....43 Beech St., St. Catharines  
 3DK R. E. Irving.....483-5th Ave. E., Owen Sound  
 3DL C. L. W. Fraser.....John St., Arnprior  
 3DM C. B. Patridge.....944 Colborne St., London  
 Unassigned  
 3DN J. E. Dowsley.....Box 473, Gananoque  
 3DO F. R. Young.....3 Glebe Rd., Toronto  
 3DP R. H. Leeson.....47 Barrington Ave., Toronto  
 3DQ C. J. Reed.....142 Penrose St., Sarnia  
 3DR W. S. Clark.....296 Coxwell Ave., Toronto  
 3DS Unassigned  
 3DT A. S. McDonald.....35 McGee St., Toronto  
 3DU D. S. Hutchinson.....424 Horton St., London  
 3DV J. D. Payne.....268 E. Main St., Welland  
 3DW G. E. Farquhar.....18 Albert St., Hamilton  
 3DX L. Taylor.....Midlothian Wharf, Parry Sound  
 3DY J. H. Swallow.....Dawson St. & Governmt Rd., Thessalon  
 3EA A. N. Densum.....257 Beatrice St., Toronto  
 3EB C. G. Fisher.....105 Anburn Ave., Toronto  
 3EC F. Lawrence.....394 S. Russell St., Sarnia  
 3ED A. Murr.....156 Norfolk Ave., Galt  
 3EE G. Moran.....61 Symington Ave., Toronto  
 3EF W. R. Irving.....1170-3rd Ave. E., Owen Sound  
 3EG D. R. Naim.....Box 131, Blenheim  
 3EH F. J. Stodgell.....Goderich  
 3EI W. C. Wood.....106 Devonshire Rd., Walkerville  
 3EJ H. B. Arndt.....547 Main St. E., Hamilton  
 3EK W. L. Bentley.....155 1/2 Euclid Ave., Toronto  
 3EL C. Winans.....158 Hallam St., Toronto  
 3EM H. F. McLachlin.....John St. N., Arnprior  
 3EN E. T. Scholey.....64 Withrow Ave., Toronto  
 3EO W. G. Mahaffy.....15 Winchester St., Toronto  
 3EP C. H. Beddingfield.....Maple  
 3EQ R. S. Martin.....654 College St., Toronto  
 3ER C. Overall.....103 Enworth Circle, Niagara Falls  
 3ES A. L. London.....507 George St., Sarnia  
 3ET W. C. Little.....Leamington  
 3EU J. R. Fraser.....10 Sylvan Ave., Toronto  
 3EV W. E. Gilpin.....303 1/2 Crawford St., Toronto  
 3EW A. A. Stacey.....80 Edgemont Ave., Hamilton  
 3EX L. Ernst.....Mount Forest  
 3EY T. H. Quilpp.....83 Bloor St. W., Toronto  
 3EZ S. Shepherd.....42 Baltic Ave., Toronto  
 3FA F. H. Moyer.....9 Charles St. N., St. Thomas  
 3FB R. B. Lamb.....79 Morrison St., Niagara Falls  
 3FC E. C. Thompson.....866 Carlow Ave., Toronto  
 3FD J. C. Taylor.....167 Silver Birch Ave., Toronto  
 3FE W. A. Caton.....Napanee  
 3FF G. M. Ray.....521 Victoria Ave., Windsor  
 3FG G. H. Daly.....Napanee  
 3FH J. E. Darbyshire.....Point Edward  
 3FI W. F. Tollervey.....58 Balliol St., Toronto

3FJ W. Tait.....Cor. Queen & Albert Sts., Thorold  
 3FK W. F. Cross.....42 Vermont Ave., Toronto  
 3FL H. L. Vaughan.....123 William St., Chatham  
 3FM W. M. Gray.....Box 118, Bothwell  
 3FN I. F. Johnston.....90 Dunvegan Rd., Toronto  
 3FO J. G. Best.....198 Marguerita St., Toronto  
 3FP C. W. Speer.....122 Borden St., Toronto  
 3FQ H. W. Graham.....183 Rouessalles Ave., Toronto  
 3FR S. Goldhamer.....183 Milner & Burns St., Strathroy  
 3FS G. Lythgoe, Jr.....Cor. George St., Peterboro  
 3FT G. R. Powell.....590 Ontario St., St. Catharines  
 3FU J. Price.....183-4th Ave. W., Owen Sound  
 3FV E. J. Dedrick.....1080-422 North St., Sault Ste. Marie  
 3FW Ontario Radio Laboratory.....Roseneath Ave., Toronto  
 3FX S. J. E. Vipond.....46 Leuty Ave., Kew Beach, Toronto  
 3FY H. T. Peeters.....65 Orchard St., London  
 3FZ J. Jeffrey.....145 Cameron Ave., Windsor  
 3GA G. W. Spracklin.....Leamington  
 3GB G. W. Newland.....Unassigned  
 3GC Unassigned  
 3GD J. H. Maughan.....33 Albany Ave., Toronto  
 3GE G. W. McClain.....342 Brunswick Ave., Toronto  
 3GF L. Cross.....158 Morley Ave., Toronto  
 3GG W. E. Weaver.....Cor. Cedar & Queen Sts., Hespeler  
 3GH Unassigned  
 3GI W. C. Coloff.....Lisgar Ave., Tillsonburg  
 3GJ J. Kane.....65 Ferguson St., Niagara Falls  
 3GK C. M. Smith.....24 Boswell St., Toronto  
 3GL W. W. Merris.....293 N. Milton St., Sarnia  
 3GM A. R. Tomlin.....230 Walmer Rd., Toronto  
 3GN H. L. Byerlay.....21 Benson St., Ingersoll  
 3GO G. G. Dando.....223 N. Water St., Galt  
 3GP C. Gammage.....131 Joseph St., Chatham  
 3GQ H. G. Pallin.....78 Quebec Ave., Toronto  
 3GR Wm. R. Pritchard.....91 Dearbourne Ave., Toronto  
 3GS W. N. Braund.....319 Matchedash St., Orillia  
 3GT A. R. Glauden.....277 Crichton St., Ottawa  
 3GU H. A. Manor.....148 Durand St., Sarnia  
 3GV H. P. Folger.....1 Emily St., Kingston  
 3GW R. S. Coate.....74 Melbourne Ave., Toronto  
 3GX H. T. Houser.....Lyned  
 3GY A. H. Rabb.....Wilson St., Perth  
 3GZ W. D. Sheldon.....Cedar St., Galt  
 3HA W. S. Phippen.....Napanee  
 3HB A. N. Liley.....173 Wyld St., North Bay  
 3HC Unassigned  
 3HD C. E. Ledgley.....Ingersoll  
 3HE O. H. Donnelly.....118 Wellington St., Kingston  
 3HF G. A. Thompson.....247 Earl St., Kingston  
 3HG G. H. Deane.....385 Wellesley St., Toronto  
 3HH C. Hensworth.....Main St., Listowel  
 3HI L. R. Thompson.....Inkerman St., Listowel  
 3HJ E. A. Wade.....45 Oxford St., London  
 3HK J. L. Danner.....Perth  
 3HL F. R. Gibbons.....Rockwood  
 3HM N. A. Good.....16 Barthe St., Chatham  
 3HN A. E. W. Ada.....51 Arch St., Kingston  
 3HO K. A. MacKinnon.....447 Abbert St., Kingston  
 3HP J. A. Hamilton.....424 Jones Ave., Toronto  
 3HQ C. F. Wilson.....Napanee  
 3HR F. R. Sparling.....163 Close Ave., Toronto  
 3HS H. H. Maeers.....37 Mount Pleasant Rd., Toronto  
 3HT H. Richardson.....92 E. Ave. N., Hamilton  
 3HU E. O. Swan.....156 Ellen St., Midland  
 3HV R. E. Richardson.....103 St. Clair Ave. W., Toronto  
 3HW H. V. Leech.....Cor. Main & Sunset Sts., Westboro  
 3HX Unassigned  
 3HY H. H. Price.....35 Hannaford Ave., Toronto  
 3HZ G. W. Griggs.....298 Dalhousie St., Brantford  
 3IA J. A. McArthur.....19 Wilson Ave., St. Thomas  
 3IB S. J. Hungerford.....69 Wells Hill Ave., Toronto  
 3IC R. M. Robbins.....Thames & Catharine Sts., Ingersoll  
 3ID H. P. Kennedy.....Aglincourt  
 3IE Unassigned  
 3IF R. H. Hender.....34 Stanley Ave., Hamilton  
 3IG J. M. McBean.....Georgetown  
 3IH O. Sinclair.....John St., Gananoque  
 3II W. S. Cocks.....65 Empire Ave., Toronto  
 3IJ G. L. Bissett.....18 Huron St., Niagara Falls  
 3IK S. A. E. Groat.....384 St. Clarence Ave., Toronto  
 3IL R. M. Davis.....210 Union St., Kingston  
 3IM W. A. U'Ren.....137 1/2 Queen St., Toronto  
 3IN G. E. Pipe.....1049 Dufferin St., Toronto  
 3IO J. G. Tizzard.....944-4th Ave., Owen Sound  
 3IP J. A. Murphy.....43 Miller Ave. W., Toronto  
 3IQ D. C. Kerr.....P. O. Building, Woodstock  
 3IR A. C. Stewart.....(Box 249), Leamington  
 3IS J. D. Green.....130 Arvis Rd., Walkerville  
 3IT E. V. Grainger.....1360 Yonge St., N. Toronto  
 3IU G. H. Rennie.....Aglincourt  
 3IV J. R. Cooper.....157 Fine St., Toronto  
 3IW J. Fallon.....48 Murray St., North Bay  
 3IX J. F. Alexander.....10 Tondal Ave., Toronto  
 3IY W. T. White.....105 Kildare Rd., Walkerville  
 3IZ E. E. Davis.....1759 Dufferin St., Toronto  
 3JA O. R. Forsyth.....31 Margaret Ave., Kitchener  
 3JB J. R. Loeck.....626 Gladstone Ave., Toronto  
 3JC H. Switzer.....263 Glenholme Ave., Toronto  
 3JD F. E. Packard.....176 Penrose St., Sarnia  
 3JE C. Start.....105 Melville Ave., Toronto  
 3JF F. Blak.....Mill St. W., Kingsville  
 3JG W. J. Watling.....30 Auburn Ave., Toronto  
 3JH G. A. Plafar.....38 Roseneath Ave., Toronto  
 3JI F. H. R. Pounsett.....21 Trande Crescent, Toronto  
 3JJ A. E. Rea.....1 Sherman Ave., Toronto  
 3JK University of Toronto Schools.....Physic Dept., Bloor & Spadina, Toronto  
 3JL F. G. Paterson.....Aglincourt  
 3JM H. Lytle.....122 Kenwood Ave., Toronto  
 3JN R. T. Penhorwood.....174 Woodward Ave., Sault Ste. Marie  
 3JO E. W. Snelcht.....763 Markham St., Toronto  
 3JP A. E. Orchard.....241 Mitchell St., Guelph  
 3JQ S. H. Dale.....579 Huron St., Toronto  
 3JR S. H. Rennie.....1 Block East, Main St., Markham  
 3JS H. M. Cox.....91 Rowmore Rd., Toronto  
 3JT F. W. Hartley.....63 Bellwoods Ave., Toronto  
 3JU W. J. M. Barwick.....89 Britannia Ave., Hamilton  
 3JV A. J. Wilson.....251 Grace St., Toronto  
 3JW Unassigned  
 3JX Unassigned  
 3JY W. W. Lockhart.....77-5th Ave., Ottawa  
 3JZ L. F. Knight.....King St., Prescott  
 3KA Unassigned  
 3KB Unassigned  
 3KC S. Molr.....35 Livedean Ave., Chatham  
 3KD A. A. Edwards.....38 Selkirk St., Chatham  
 3KE Unassigned  
 3KF A. Van Sickle.....11 Terrace Hill St., Brantford  
 3KG W. M. MacKay.....Box 368, Ingersoll



3KH G. R. Brett.....491 Ouelette Ave., Windsor  
 3KI H. F. F. Pole.....32 Cornish Rd., Toronto, Ont.  
 3KJ F. O. Gallagher.....50 Foxbar Rd., Toronto  
 3KK W. L. Laurie.....R. R. No. 1, Agincourt  
 3KL E. E. Mock.....634 Hamilton St., Preston  
 3KM Unassigned  
 3KN E. Davey.....87 Emma St., Chatham  
 3KO H. Jackson.....183 King St. E., Chatham  
 3KP G. A. Threader.....9 Ida St., St. Catharines  
 3KQ Unassigned  
 3KR C. V. Bell.....Florence St., Highland Park, Westboro  
 3KS Unassigned  
 3KT J. A. Ross.....Ship Canal Residence, Sault Ste. Marie  
 3KU Unassigned  
 3KV H. R. Parker.....513 Adelaide St., Woodstock  
 3KW Unassigned  
 3KX V. Shipman.....77 Hastings Ave., Toronto  
 3KY L. G. Gilbert.....247 Flora St., Ottawa  
 3KZ R. B. Richardson.....182 Rusholme Rd., Toronto  
 3LA J. W. Bellamy.....488 McLeod St. (Tel. C. 799), Ottawa  
 3LB F. I. Collins.....R. R. No. 1, Chatham  
 3LC L. F. Atkinson.....35 Havelock St., Toronto  
 3LD W. C. K. Wright.....Wellesly & Sherbourne Sts., Toronto  
 3LE G. D. Thomas.....153 Glenholme Ave., Toronto  
 3LF J. H. Cookson.....197 Thames St., Chatham  
 3LG Unassigned  
 3LH W. J. Anderson.....934 College St., Toronto  
 3LI R. O. B. Fletcher.....58 Thomas St., St. Catharines  
 3LJ J. N. Coady.....43 Victor Ave., Toronto  
 3LK D. N. Culver.....160 North St., Orillia  
 3LL W. P. Langford.....241 Wright Ave., Toronto  
 3LM A. B. Ellis.....Box 502, Leamington  
 3LN A. C. Phinney.....Box 82, Vaughan Rd., Richmond Hill  
 3LO D. Travers.....78 Devonshire Rd., Walkerville  
 3LP W. J. Stallart.....990 Lorne Ave., London  
 3LQ Unassigned  
 3LR G. Christopherson.....140 Arcyle Ave., Ottawa  
 3LS J. G. C. Wright.....Cor. Scott & McKellar, Strathroy  
 3LT K. B. Campbell.....39 Church St., Weston  
 3LU E. K. Stachler.....Box 625, Gananoque  
 3LV H. E. Blackmore.....Box 150, Huntsville  
 3LW R. H. Gurd.....187 Elmwood Ave., London  
 3LX J. E. O'Brien.....501 Parkside Drive, Toronto  
 3LY K. B. Andras.....28 McMaster Ave., Toronto  
 3LZ J. D. Harris.....Scarboro Junction  
 3MA R. E. Barrett.....Barrett & Martin Block, Galt  
 3MB Unassigned  
 3MC W. D. MacClement.....Queen's University Grounds, Kingston  
 3MD J. D. Burbank.....36 Close Ave., Toronto  
 3ME Unassigned  
 3MF C. Howarth.....14 Junkin St., St. Catharines  
 3MG Unassigned  
 3MH Unassigned  
 3MI A. C. Eastman.....46 Leopold St., Toronto  
 3MJ N. Etheridge.....34 Bursell St., Brantford  
 3MK H. H. Minshall.....Box 270, Tillsonburg  
 3ML W. A. Shane.....5 Northumberland St., Toronto  
 3MM C. W. Lynden.....Port Colborne  
 3MN T. C. Chittin.....Box 41, Hens Park  
 3MO C. R. Boneburg.....Kent St., Port Colborne  
 3MP Unassigned  
 3MQ B. P. Shea.....28 Chanlin Ave., St. Catharines  
 3MR M. Killen.....364 Ossington Ave., Toronto  
 3MS Unassigned  
 3MT H. G. Spence.....58 Millicent St., Toronto  
 3MU A. L. Lealle.....685 Shaw St., Toronto  
 3MV H. G. Ford.....32 Salem Ave., Toronto  
 3MW G. E. Hare.....291 Queen St., Toronto  
 3MX R. L. Runt.....5 Birch Ave., Kingston  
 3MY J. R. Tuck.....Clarence St., Port Colborne  
 3MZ I. R. Gray.....521 Brunswick Ave., Toronto  
 3NA Unassigned  
 3NB F. G. Smith.....302 S. Christina St., Sarnia  
 3NC J. R. Mauchan.....211 Water St., Sarnia  
 3ND C. L. McPhee.....Blenheim  
 3NE K. L. McAlpine.....380 Brock St., Kingston  
 3NF H. H. Stewart.....404 Albert St., Kingston  
 3NG R. C. Greig.....41 Arville Ave., Ottawa  
 3NH C. H. Griffey.....C. P. R. Station, Point au Baril  
 3NI Wm. M. Sutton.....  
 3NJ Unassigned  
 3NK C. W. Ratley.....346 Clinton St., Toronto  
 3NL Unassigned  
 3NM W. E. Chapman.....431 George St., Sarnia  
 3NN Unassigned  
 3NO Unassigned  
 3NP C. W. J. Tuer.....302 Midland Ave., Midland  
 3NQ W. B. McKav.....150 Cottingham St., Toronto  
 3NR H. E. S. Hamilton.....597 Bathurst St., Toronto  
 3NS Unassigned  
 3NT J. E. Morris.....114 Barrle St., Kingston  
 3NU E. B. Mulkins.....120 Lewis St., Ottawa  
 3NV C. H. Shedden.....387 Dundas St., Woodstock  
 3NW D. I. Matheson.....Alice St., Kingston  
 3NX C. D. Sladen.....R.R. No. 2, Billings Bridge  
 3NY Unassigned  
 3NZ J. W. C. Lindsay.....1170 Florence St., London  
 3OA A. C. Glions.....207 Beverley St., Toronto  
 3OB R. A. Marshall.....Temagami  
 3OC G. N. McLaughlin.....70 Crawford Ave., Windsor  
 3OD C. C. McFarquhar.....156 Beverley St., Toronto  
 3OE G. H. Yeates.....363 Soudan Ave., Toronto  
 3OF H. R. Yeomans.....48 Brownlow Ave., Toronto  
 3OG Unassigned  
 3OH R. C. McMichael.....10 Delisle Ave., Toronto  
 3OI C. A. Baker.....334 Bathurst St., Toronto  
 3OJ Unassigned  
 3OK R. A. Pearson.....94 Rrter St., Toronto  
 3OL W. E. Newton.....28 Blake St., Stratford  
 3OM Unassigned  
 3ON W. E. Rieley.....50 Emille St., Brantford  
 3OO A. W. L. East.....218 Front St., Stratford  
 3OP R. S. Hutt.....Oxford St., Ingersoll  
 3OQ Unassigned  
 3OR S. R. Moore and R. A. Blakely.....213 and 241 George St., Belleville  
 3OS F. Cook.....30 Brant St., Brantford  
 3OT H. H. Lang.....Cor. Charlotte & Elm, Port Colborne  
 3OU Unassigned  
 3OV E. M. Berry.....454 Oxford St., London  
 3OW W. E. Linton.....40 Russell St., Toronto  
 3OX R. A. Pearson.....30 Electric Park, Welland  
 3OY S. A. Allan.....233 Herkimer St., Hamilton  
 3OZ D. A. Langford.....33 Lynwood Ave., Simcoe  
 3PA A. Eadie.....14 Carrai Crescent, London  
 3PB E. W. Ainslie.....116 Trafalgar St., London  
 3PC W. McD. Angus.....277 N. Harold St., Fort William  
 3PD H. L. Wyatt.....113 Pine St., Sault Ste. Marie  
 3PE W. M. Campbell.....24 Earl St., Toronto

3PF Unassigned  
 3PG L. Horton.....395 Soudan Ave., Toronto  
 3PH Unassigned  
 3PI H. A. Dyer.....476 Huron St., Toronto  
 3PJ R. J. Little.....377 Brunswick Ave., Toronto  
 3PX H. R. Elliott.....82 Hogarth Ave., Toronto  
 3PL E. E. Little.....McDonald's Corners  
 3PM Unassigned  
 3PN E. Perkin.....1134 Ossington Ave., Toronto  
 3PO M. I. S. Robertson.....5 Haverden Ave., Brantford  
 3PP D. J. Green.....57 Dougall Ave., Windsor  
 3PQ G. B. Mitchell.....76 Brownlow Ave., Toronto  
 3PR J. A. MacGregor.....496 Waterloo St., London  
 3PZ J. T. Scott.....104 Bernard Ave., Toronto, Ont.  
 3PT E. C. Day.....79 Bartlett Ave., Toronto  
 3PU W. F. Hersee.....Woodstock Armouries, Woodstock  
 3PV Unassigned  
 3PW G. D. T. Merritt.....North Grimsby  
 3PX T. J. Brooke.....385 Markham St., Toronto  
 3PY A. V. Bellamy.....22 Victoria Park Ave., Scarboro Twp.  
 3PZ J. T. Scott.....171 Roxborough St. W., Toronto  
 3QA A. E. Parsons.....42 Winnifred St., Smith's Falls  
 3QB Unassigned  
 3QC P. J. V. Mulvey.....45 William St., St. Thomas  
 3QD G. G. Bain.....R. R. No. 5, Hamilton  
 3QE D. C. Winget.....Ridgeway  
 3QF R. S. Robinson.....109 Melville Ave., Toronto  
 3QG J. B. Hardy.....29 Radford Ave., Toronto  
 3QH Y. M. C. A. Radio Club.....Wellington St., London  
 3QI H. G. Dikeman.....Aylmer  
 3QJ Unassigned  
 3QK A. B. Morgan.....45 Union St., Simcoe  
 3QL C. A. Ackert.....William St., Ingersoll  
 3QM B. Robinson.....444 Piccadilly St., London  
 3QN C. R. Wodge.....547 Sandwich St., Sandwich  
 3QO W. H. Schultz.....203 Dufferin Ave., Brantford  
 3QP K. S. Atkinson.....169 Elm Ave., Windsor  
 3QQ W. R. Moggridge.....77 Victoria Ave. S., Hamilton  
 3QR S. A. E. Merritt.....71 Chelsea Ave., Toronto  
 3QS Unassigned  
 3QT Miss M. C. Cross.....Bolton  
 3QU E. C. Stewart.....22 Pipe Line Rd., London  
 3QV D. K. Newbigging.....642 Brock Ave., Toronto  
 3QW J. E. Dowsley.....High School, Gananoque  
 3QX A. J. Windell & G. R. McQueen.....H. L. I. Armouries, Galt  
 3QY Unassigned  
 3QZ T. B. Gleave.....12 Alhambra Ave., Toronto  
 3RA Chatham Radio Club.....Central School, Chatham  
 3RB W. E. Phillips.....153 Crawford St., Sarnia  
 3RC H. C. Dell.....Box 609, Leamington  
 3RD Unassigned  
 3RE W. E. Balsdon.....733 Palmerston Ave., Toronto  
 3RF H. M. Tattersall.....14 Victoria Park Ave., Scarboro Twp.  
 3RG Unassigned  
 3RH E. D. Brooke.....101 Emery St., London  
 3RI J. M. Spence.....32 Hawthorne Ave., Toronto  
 3RJ G. L. Edwards.....132 Leo Ave., Sault Ste. Marie  
 3RK T. W. Lovell.....58 Lymptone Ave., Toronto  
 3RL R. J. Blain.....Stiverdale Station  
 3RM C. R. Riehorough.....Blenheim  
 3RN J. W. Strong.....304 Rushton Rd., Toronto  
 3RO Unassigned  
 3RP R. M. Blain.....5 Crombie St., Galt  
 3RQ E. A. Rieast.....308 Inehiel St., Renfrew  
 3RR G. L. Evans.....581 Huron St., Toronto  
 3RS G. W. Grainger.....322 Clinton St., Toronto  
 3RT L. Blakely.....Burk's Falls  
 3RU J. Metcalf.....Burk's Falls  
 3RV R. J. Sinclair.....Box 351, Tillsonburg  
 3RW Unassigned  
 3RX H. D. Wales.....663 Manning Ave., Toronto  
 3RY Wm. H. Gillard.....114 Aberdeen Ave., Hamilton  
 3RZ G. A. Rider.....436 Westmoreland Ave., Toronto  
 3SA W. G. MacVicar.....R. R. No. 2, Ingersoll  
 3SB G. H. Hainsworth.....82 Simons St., Kitchener  
 3SC F. F. Edmondson.....70 Centre St., Chatham  
 3SD W. E. Scott.....472 Queen St. E., Sault Ste. Marie  
 3SE Unassigned  
 3SF H. G. Maccock.....Mary St., Milton  
 3SG P. R. Saxon.....Streetsville  
 3SH The Telephone City Radio Ass'n.....Y.M.C.A. Bldg., Carling St., Brantford  
 3SI H. R. Stevens.....117 Melrose Ave., Toronto  
 3SJ J. R. Murray.....253 Russell Hill Rd., Toronto  
 3SK A. E. Brnokes.....66 Fizzell Ave., Toronto  
 3SL H. M. Smith.....516 Albert St., Sault Ste. Marie  
 3SM W. H. Brown.....284 Coxwell Ave., Toronto  
 3SN C. G. Stevenson.....300 Queen St., Sarnia  
 3SO G. R. Waring.....19 Callender St., Toronto  
 3SP H. S. Matthews.....50 Lorne Ave., Toronto  
 3SR G. H. E. Jamieson.....94 Raglan Ave., Toronto  
 3SS G. H. Mimms.....380 Concord Ave., Toronto  
 3ST H. B. Porter.....913 Gladstone Ave., Windsor  
 3SU F. A. Taylor.....38 Greenlaw Ave., Toronto  
 3SV Unassigned  
 3SW G. M. Jehb.....396 Concord Ave., Toronto  
 3SX M. C. Preston.....141 W. Main St., Galt  
 3SY W. R. McLaughlin.....33 Burlington Crescent, Toronto  
 3SZ C. W. Barrett.....155 Lincoln Rd., Walkerville  
 3TA A. C. Paet.....24 Bormley Ave., Toronto  
 3TB J. C. Elchenberg.....Concession St. W., Tillsonburg  
 3TC N. W. Roome.....378 Central Ave., London  
 3TD A. D. McGiffin.....161 James St., Ottawa  
 3TE S. Acornley.....30 St. Georges Ave., Sault Ste. Marie  
 3TF Rev. Bro. T. Philip.....69 Bond St., de la Salle Col., Toronto  
 3TG F. Miles.....259 Westmoreland Ave., Toronto  
 3TH S. G. McCleaban.....55 Argyle Ave., Ottawa  
 3TI Unassigned  
 3TJ H. Urquhart.....2191 Queen St. E., Toronto  
 3TK W. E. J. White.....359 Glenlake Ave., Toronto  
 3TL A. F. Haggood.....49 Queen St., Niagara Falls  
 3TM R. W. Ross.....213 Talbot St. W., Leamington  
 3TN R. Ansell.....105 Ontario St., St. Catharines  
 3TO F. C. Bentley.....155 1/2 Euclid Ave., Toronto  
 3TP H. H. Brown.....12 Terrace Hill St., Brantford  
 3TQ J. P. Beaty.....133 Ulster St., Toronto  
 3TR M. G. Flegehen.....37 Grenadier Rd., Toronto  
 3TS A. D. McPhee.....302 Grace St., Toronto  
 3TT C. R. Hill.....20 Hillcrest Rd., Weston  
 3TU J. Parker.....44 1/2 Applegrove Ave., Toronto  
 3TV G. H. Hill.....131 Spring St., Sault Ste. Marie  
 3TW F. E. Holliday.....66 Walmsley Blvd., Toronto  
 3TX G. Gauld.....26 Bay St. S., Hamilton  
 3TY H. S. Gowan.....120 King St. W., Kitchener  
 3TZ S. R. Bartlett.....1459 Main St. E., Hamilton  
 3UA D. G. Haines.....677 Broadview Ave., Toronto  
 3UB H. F. English.....Supt. Res., Ontario Hosp., Hamilton  
 3UC H. J. Shoemaker.....21 Park Ave., Brantford

3UD	Unassigned	
3UE	H. W. Wilson	26 Gladstone Ave., Windsor
3UF	F. O. Hicks	791 Gladstone Ave., Windsor
3UG	Unassigned	
3UH	P. J. Hester	578 Hillsdale Ave., Toronto
3UI	J. S. Boyd	89 Talbot St. N., Simcoe
3UJ	F. Howe	493 King St., London
3UK	H. A. Hammond	Richmond Hill
3UL	T. K. Rodger	314 Nelson St., Sudbury
3UM	C. Gorb	33 Ainslie St., Galt
3UN	J. G. Galloway	15 Chestnut Ave., Brantford
3UO	Y. M. C. A.	Toronto Central Branch, Toronto
3UP	H. Pollock	Sunnyside Av. & Marmaduke St., Toronto
3UQ	A. E. Wilkinson	53 Triller Ave., Toronto
3UR	Ed. Fenn	15 Gilholm Ave. W., Galt, Ont.
3US	R. A. Batten	1 Rathnally Ave., Toronto
3UT	W. and G. Brown	50 Radford Ave., Toronto
3UU	J. R. White	504 King St., London
3UV	L. W. Ray	4 Carling Ave., Toronto
3UW	C. A. Ebbingshans	423 Lincoln Rd., Walkerville
3UX	C. H. Gauthier	French River
3UY	Unassigned	
3UZ	H. R. Springer	716 Dovercourt Rd., Toronto
3VA	A. F. Rouse	16 Havill St., Galt
3VB	J. Young	724 Dovercourt Rd., Toronto
3VC	E. M. Manning	23 Nanton Ave., Toronto
3VD	G. S. Hyde	382 Hamilton Rd., London
3VE	H. Thomson	Pemberton Ave., Newtonbrook
3VF	W. J. Palmer	691 Brock Ave., Toronto
3VG	H. W. J. Coomb	859 Carlow Ave., Toronto
3VH	A. R. Williams	56 Madison Ave., Toronto
3VI	J. McIntosh, Jr.	68 Bruce St., London
3VJ	H. H. Hagen	125 Dorothy St., Welland
3VK	Unassigned	
3VL	L. S. Harland	Box 31, O.A.C., Guelph
3VM	A. G. Wood	439 Walmer Rd., Toronto
3VN	E. L. Evans	95 Runnymede Rd., Toronto
3VO	J. P. Henderson	Dominion Observatory, Ottawa
3VP	A. B. MacKenzie	373 Palmerston Blvd., Toronto
3VQ	J. A. Jeans	Schomberg
3VR	J. M. Paquin	787 Queen St. W., Toronto
3VS	H. L. Oulrk	70 Nickel St., Cobalt
3VT	W. A. Fisher	Orange St., Coburg
3VU	M. C. Shearing	Broadway St., Tillsonburg
3VV	J. S. Burkitt	Empire Theatre Bldg., Madoc
3VW	E. Joiner	Ostrander
3VX	J. H. Volter	25 Wvatt St., London
3VY	R. D. Ramsay	Cor. Hall and King Sts., Ingersoll
3VZ	L. L. Hicks	Kempville
3WA	N. L. Bonnell	10 Olive Ave., Toronto
3WB	H. J. Hartley	2355 Dundas St. W., Toronto
3WC	A. H. Newell	512 Delaware Ave., Toronto
3WD	N. Joiner	R. R. No. 1, Ostrander
3WE	M. A. Twidale	30 College Ave., Niagara Falls
3WF	L. J. Roy	1088 Bathurst St., Toronto
3WG	H. R. Peal	25 Robinson Ave., Guelph
3WH	G. A. Lynn	23 Howie Ave., Toronto
3WI	A. N. Sühler	116 Blanche St., Sarnia
3WJ	J. H. Mazze	199 Mutual St., Toronto
3WK	A. G. Palmer	44 Dixon Ave., Toronto
3WL	D. S. Jackson	Schumacher
3WM	E. E. Crane	1248 Pape Ave., Todmorden, Toronto
3WN	R. F. Hall	45 Argyle Ave., Ottawa
3WO	C. R. VanChan	59 Melville Ave., Toronto
3WP	L. E. Daykin	Box 54, Leamington
3WQ	E. M. Hess	Hastings
3WR	R. W. Addison	7 Tullier Ave., Toronto
3WS	S. G. Vicars	355 Dufferin St., Port Arthur
3WT	C. H. Alexander	153 Bedford Rd., Toronto
3WU	H. Earnshaw	32 East Bend Ave. N., Hamilton
3WV	J. A. Bevan	4 Lorne Ave., Collingwood
3WW	G. C. Gladman	232 Lander Ave., Toronto
3WX	R. C. Hart	595 Sandwich St., Sandwich
3WY	W. M. Goring	264 Ridge St., Niagara Falls
3WZ	H. Hamblin	Warsaw
3XA	R. C. Cambell	423 Palmerol Ave., Toronto
3XB	C. P. Welch	Abrichton
3XC	J. H. Hart	141 Rieglnz Ave., Sault Ste. Marie
3XD	R. Roehlin	165 Manning Ave., Toronto
3XE	A. Carrithen	50 Westlake Ave., Toronto
3XF	H. Ewen	Gore Block, Main St., Galt
3XG	I. A. Heuchan	47 Callender St., Toronto
3XH	W. C. Downing	112 Tilsar St., Toronto
3XI	J. E. Havne	303 N. Brock St., Sarnia
3XJ	L. Rosebrich	Leamington
3XK	J. W. Rowson	Box 724, King St. W., Ingersoll
3XL	W. C. Lock	333 Orange St., Leamington
3XM	W. D. Gledhill	403 Salem Ave., Toronto
3XN	G. H. Langford	258 Chesapeake St., London
3XO	E. M. Wilson	In village of Saltford, Goderich
3XP	H. T. Marted	83 Mulberry Ave., Toronto
3XQ	A. B. Morgan	48 Union St., Simcoe
3XR	J. M. Atchinson	Norfolk Golf & Country Club, Simcoe
3XS	H. Noble	619 St. Clarens Ave., Toronto
3XT	A. S. Brav	Lot 12, West 7th, Midland
3XU	A. Sheppard	70 Rideau Terrace, Ottawa
3XV	F. Fecteau	108 Berkley St., Toronto
3XW	D. W. Spurling	40 Foxbar Rd., Toronto
3XX	L. G. Troup	R. R. No. 1, Port Colborne
3XY	J. W. Sale	172 Sandwich St. E., Ford
3XZ	W. G. Pettit	Box 429, Port Colborne, Humberstone
3YA	I. L. McKenzie	129 Stanley Ave., Hamilton
3YB	W. F. Jones	Lorne St., Thessalon
3YC	C. Jackson	120-1st Ave., Niagara Falls
3YD	D. J. Vallee	Box 503, Tillsonburg
3YE	J. Goreham	1163 Dovercourt Rd., Toronto
3YF	T. C. VanAlstine	26 Dennison Ave., Weston
3YG	A. R. McCulloch	125 N. Harold St., Fort William
3YH	C. Robinson	23 Scott St., Kitchener
3YI	E. T. Shobridge	93 Crawford St., Toronto
3YJ	C. F. Sweet	Silverado Mine, Gowanda
3YK	A. F. Fleming	R. R. No. 1, Paxlinch
3YL	H. H. Berry	18 Toronto St., Guelph
3YM	W. J. Ure	35 1/2 Duvernay Ave., Toronto
3YN	Unassigned	
3YO	P. F. Wiser	Presentt
3YP	H. S. MacBride	331 Delaware Ave., Toronto
3YQ	Unassigned	
3YR	H. F. LeMaurier	17 Clark St., Toronto
3YS	J. W. F. Chipman	103 Spadina Rd., Toronto
3YT	G. A. Coulter	1621 Queen St. W., Toronto
3YU	W. D. Bradley	210 Waverlay Rd., Toronto
3YV	J. E. McDonald	458 Darts St., Sarnia
3YW	J. M. Wallace	148 Springhurst Ave., Toronto
3YX	C. J. Paisley	R. R. No. 1, Markham
3YY	J. E. Jarvis	1st No. 4, Denison
3YZ	B. Stoner	137 Elm Ave., Windsor
3ZA	W. E. Nesbitt	16 Oak St., Merriton

3ZB	J. A. Varey	17 Napier St., St. Catharines
3ZC	F. L. Brearley	120 Paisley St., Guelph
3ZD	F. C. Rutherford	111 Queen St., St. Catharines
3ZE	H. A. Courtice	27 Sandford Ave., Toronto
3ZF	S. Kells	218 Dalhousie St., Brantford
3ZG	J. L. Bluestein	997 Lansdowne Ave., Toronto
3ZH	J. C. E. Holmes	338 Somerset St., Ottawa
3ZI	W. R. Fellows, Jr.	Talbot St., Blenheim
3ZJ	A. B. McCallum	380 Queens Ave., London
3ZK	A. Clifford	R. R. No. 1, Kingsville
3ZL	F. G. Sutton	114 Arundel Ave., Toronto
3ZM	S. L. O'Neill	Charles St., Point Edward
3ZN	Sudbury Tech. & Mining School	Sudbury
3ZO	E. R. Beatty	4 Grant Ave., Hamilton
3ZP	R. Harvey	560 Ontario St., London
3ZQ	The Southern Ont. Radio Ass'n	20 Ferry St., Windsor
3ZR	G. Crawford	78 Clyde St., Hamilton
3ZS	J. A. Hutchison	290 Inglewood Drive, Toronto
3ZT	W. D. Nesbit	31 Forley St., Toronto
3ZU	B. Brisco	27 Brisco Apartment, Chatham
3ZV	S. W. Pearce	Golden Ave., South Porcupine
3ZW	C. W. Beach	Cornwall
3ZX	J. W. Corbett	573 Euclid Ave., Toronto
3ZY	C. P. Warren	Raglan St., Collingwood
3ZZ	C. Withers	98 Lydia St., Sarnia

## Canadian Amateur Stations of the Fourth District

Includes Manitoba, Saskatchewan and Alberta.

4AA	H. E. Smith	1522 Richard St., N. Battleford, Sask.
4AB	D. C. Jones	Vulcan, Alta.
4AC	E. A. Anderson	54 New St. E., Calgary, Alta.
4AD	W. M. Cummings	391 Simcoe St., Winnipeg, Man.
4AE	L. B. Vallancourt	Lajord, Sask.
4AF	J. L. Binder	622 Avenue H. S., Saskatoon, Sask.
4AG	G. F. W. Reynolds	457 Spence St., Winnipeg, Man.
4AH	Frank G. A. Makepeace	7543-88th Ave., Edmonton, S. Alta.
4AI	H. T. Kempton	Box 180, Weyburn, Sask.
4AJ	J. F. Hill	2990 Albert St., Regina, Sask.
4AK	F. J. North	293 Martin Ave., Moose Jaw, Sask.
4AL	F. Meadows, Jr.	677 Hochelaga St. E., Moose Jaw, Sask.
4AM	W. G. Buchanan	227 Ash St., Winnipeg, Man.
4AN	W. F. Wolfe	Elk Point, Vermilion, Alta.
4AO	W. R. Pottle	1164 Willow Ave., Moose Jaw, Sask.
4AP	R. D. Lister	290 Martin Ave., Winnipeg, Man.
4AQ	R. E. Middleton	3002-14th Ave., Regina, Sask.
4AR	C. V. Antenbring	27 Atlantic Ave., Winnipeg, Man.
4AS	E. West	807 Corydon St., Regina, Sask.
4AT	H. Miller	2226 Scarth St., Winnipeg, Man.
4AU	M. R. Smith	30 Hart Ave., Winnipeg, Man.
4AV	R. E. Allan	6800 Jessie Ave., Winnipeg, Man.
4AW	G. A. Humphries	78 Cote St. St. Boniface, Man.
4AX	A. V. Evans	1501-22d Ave., West Calgary, Alta.
4AY	E. V. N. Kennedy	214 Spence St., Winnipeg, Man.
4AZ	G. Speechly	232 Home St., Winnipeg, Man.
4BA	W. B. McLellan	677 Mulvey Ave., Winnipeg, Man.
4BB	A. K. Mather	1051 Willow Ave., Moose Jaw, Sask.
4BC	Prince Albert Radio Club	907 Central Ave., Prince Albert, Sask.
4BD	C. R. M. Bell	1863 Midway Ave., Brooklands, Winnipeg
4BE	L. H. W. Buck	1824 College Ave., Brandon, Man.
4BF	E. Brewer	1824 College Ave., Brandon, Man.
4BG	H. D. Clarke	Box 326, Ft. Garry Drive, Winnipeg
4BH	R. F. Bonnett	101 Cathedral Ave., Winnipeg, Man.
4BI	E. S. Riley	701-19th St., Brandon, Man.
4BJ	L. V. Platt	Padding Lake, P. O. Shelbrook, Sask.
4BK	A. G. Pugh	675 Macbray Ave., Winnipeg, Man.
4BL	J. M. F. Wilson	861 Fleet Ave., Winnipeg, Man.
4BM	W. C. Gordon	821 Grosvenor Ave., Winnipeg, Man.
4BN	C. J. Dee	319 Fairford St. E., Moose Jaw, Sask.
4BO	D. Craven	445 Coteau St. W., Moose Jaw, Sask.
4BP	J. H. Cuthbert, Jr.	350 Robert Ave., East Kildonan, Man.
4BQ	J. E. Young	627-2d Ave. N.W., Calgary, Alta.
4BR	G. J. Shadick	2079 Rae St., Regina, Sask.
4BS	J. J. Dohry	10023-116th St., Edmonton, Alta.
4BT	G. D. Main	113 Bryce St., Ft. Rouge, Winnipeg
4BU	A. Roszell	888 Grey Ave., Moose Jaw, Sask.
4BV	P. and K. Socolofsky	Loreburn, Sask.
4BW	J. V. C. Hill	593 Gertrude Ave., Winnipeg, Man.
4BX	E. G. Ezzerston	766 Victor St., Winnipeg, Man.
4BY	B. W. Allen	Whyte Ave., Edmonton, Alta.
4BZ	D. O. Snroule	Grand Prairie, Alta.
4CA	E. E. Fanks	10509-74th Ave. S., Edmonton, Alta.
4CB	J. E. Maynard	Morse, Sask.
4CC	E. Lachanelle	Grand Prairie City, Alta.
4CD	R. P. Hinton	604 Strathrook Ave., Winnipeg, Man.
4CE	V. T. Thomas	33 Rosewary Ave., St. Vital, Man.
4CF	W. R. O'Neill	65 Inster Ave., Winnipeg, Man.
4CG	G. H. Perry	Timber Military Barracks, Winnipeg
4CH	R. H. Ross	638 Jubilee Ave., Winnipeg, Man.
4CI	L. B. New	87 Linton St., Winnipeg, Man.
4CJ	T. J. H. Leitch	279 Cathedral Ave., Winnipeg, Man.
4CK	M. J. C. Lazler	786 Jessie Avenue, Winnipeg, Man.
4CL	A. A. Field	10434-69th Ave., Edmonton, Alta.
4CM	J. J. Street	334 Wellington Crescent, Winnipeg
4CN	T. Goodmanson	14 Claremont Ct., Ellis Av., Winnipeg
4CO	F. L. Nicholson	397 Burnell St., Winnipeg, Man.
4CP	T. T. Pyfe	1020 Avenue R N., Saskatoon, Sask.
4CR	B. G. Jones	588 Lipton St., Winnipeg, Man.
4CS	Unassigned	
4CS	F. G. Hubbard	204 Bell Ave., Winnipeg, Man.
4CT	E. M. Fletcher	123 Lewis St., Winnipeg, Man.
4CU	J. Hibner	1343 Pritchard Ave., Winnipeg, Man.
4CV	H. W. G. Kirk	886 Home St., Winnipeg, Man.
4CW	B. C. Cool	1601-28rd Ave. N.W., Calgary, Alta.
4CX	A. F. J. Heather	263 Burrows Ave., Winnipeg, Man.
4CY	A. Tomlinson	808-7th Ave. W., Calgary, Alta.
4CZ	Unassigned	
4DA	W. J. Walker	628-17th Ave. W., Calgary, Alta.
4DB	T. P. Wolf	Elk Point, Alta.
4DC	E. W. Rutherford	409 Linton St., Winnipeg, Man.
4DD	H. W. G. Hawkes	1116 Ingersoll St., Winnipeg, Man.
4DE	F. E. Rutland, Jr.	452 St. John Ave., Winnipeg, Man.

4DF	E. M. Jarvis	1821 Bannatyne Ave., Winnipeg, Man.
4DG	W. R. Hart	411-18th St. W., Prince Albert, Sask.
4DH	R. Whittia	72 Kingsway, Winnipeg, Man.
4DI	E. B. Tuck	479 Raglan Rd., Winnipeg, Man.
4DJ	G. W. Parkinson	Franklin Av. & Park St., Yorkton, Sask.
4DK	A. J. R. Simpson	408 McGee St., Winnipeg, Man.
4DL	J. Green, Jr.	Strathclair, Man.
4DM	W. L. Martin	2920 Regina Ave., Regina, Sask.
4DN	L. D. Smith	246 Oxford St. W., Moose Jaw, Sask.
4DO	C. C. Franks	Strathclair, Man.
4DP	J. Francis	Indianhead, Sask.
4DQ	A. J. Ober	Cor. Minerva & Main St., Vulcan, Alta.
4DR	L. E. Ashby	644 Beresford Ave., Winnipeg, Man.
4DS	W. J. Kellett	407 Lipton St., Winnipeg, Man.
4DT	R. S. Strong	27 Frederick Ave., St. Vital, Man.
4DU	G. M. Grassby	160 Yale Ave., Winnipeg, Man.
4DV	E. Stapleford	Regina College, Regina, Sask.
4DW	S. T. Fisher	10953-123rd St., Edmonton, Alta.
4DX	J. A. Girvin	34 Mager Drive, St. Vital, Man.
4DY	S. G. Paterson	612 Beresford Ave., Winnipeg, Man.
4DZ	C. M. Adams	714 McMillan Ave., Winnipeg, Man.
4EA	E. Dusang	487 Rosedale Ave., Winnipeg, Man.
4EB	J. A. O'Connor	73 Furby St., Winnipeg, Man.
4EC	B. D. F. Bayly	1135-2nd Av. N.W., Moose Jaw, Sask.
4ED	J. W. F. Carleton	333-13th St. N.W., Calgary, Alta.
4EE	W. S. Armstrong	1131-8th Ave. W., Calgary, Alta.
4EF	A. F. Irwin	155 Stadacona St. W., Moose Jaw, Sask.
4EG	W. V. Honeysett	Box 107, Strasbourg, Sask.
4EH	Lajord Radio Club	Lajord, Sask.
4EI	Chas. R. Smith	Algonquin Apartments, Edmonton, Alta.
4EJ	R. P. Fraser	26 Tache Ave., Norwood Gr., Winnipeg
4EK	E. V. Hunt	63 Tache Ave., Norwood, St. Boniface
4EL	W. R. Ceaborn	1106 Clifton Ave., Moose Jaw, Sask.
4EM	H. T. House	662 Hochelega W., Moose Jaw, Sask.
4EN	Unassigned	
4EO	T. H. Holthy	1167 Henleaze Ave., Moose Jaw, Sask.
4EP	L. B. Giesler	1113 Grafton Ave., Moose Jaw, Sask.
4EQ	J. Moysse	334 College Ave., Winnipeg, Man.
4ER	D. B. Stewart	829-4th Ave. N.W., Moose Jaw, Sask.
4ES	Unassigned	
4ET	C. Potter	North Battleford, Sask.
4EU	G. E. S. Taylor	175 Athabasca St. W., Moose Jaw, Sask.
4EV	J. H. Sinclair	933 Stadacona St. E., Moose Jaw, Sask.
4EW	R. K. Campbell	1121 Willow Av. N.E., Moose Jaw
4EX	Unassigned	
4EY	W. S. Weber	Landis, Sask.
4EZ	H. N. Stenen	Stenen, Sask.
4FA	E. B. Grimes	26 W. 2nd Rd., St. Louis, Sask.
4FB	Saskatoon Radio Club	Y. M. C. A., Saskatoon, Sask.
4FC	W. J. Pickering	514-19th St. W., Prince Albert, Sask.
4FD	E. W. Burke	10109-124th St., Edmonton, Alta.
4FE	S. S. Howard	North Battleford, Sask.
4FF	S. B. Sturrock	2008-21st Ave. W., Calgary, Alta.
4FG	F. E. Vincent	1712 Frederick St. N., Battleford, Sask.
4FH	P. Pride	229 Oxford St., Prince Albert, Sask.
4FI	H. A. Irvine	512-20th Ave. W., Calgary, Alta.
4FJ	D. G. M. Fraser	1235-14th Ave. W., Calgary, Alta.
4FK	H. E. Stevenson	123 Edmonton St., Winnipeg, Man.
4FL	A. Matz	Box 326, Rosetown, Sask.
4FM	C. F. B. Waddington	Box 51, Churchbridge, Sask.
4FN	G. Stevenson	600 Queen St., Saskatoon, Sask.
4FO	R. C. Sibley	316-18th Ave. W., Calgary, Alta.
4FP	C. W. Cooper	1018 Chestnut Ave., Moose Jaw, Sask.
4FQ	R. Punshon	1118-8th St. E., Calgary, Alta.
4FR	C. McKinnon	2208 McIntyre St., Regina, Sask.
4FS	J. E. Hanning	12th Av. & 10th St. W., Calgary, Alta.
4FT	E. W. Beard	802-1st W., Calgary, Alta.
4FU	H. P. Gregory	1814-13th St. E., Calgary, Alta.
4FV	L. H. Perras	1944 McIntyre St., Regina, Sask.
4FW	R. A. Skeele	Lajord, Sask.
4FX	G. C. White	1221-11th Ave. W., Calgary, Alta.
4FY	R. Lees	122 Omnica St. W., Moose Jaw, Sask.
4FZ	R. J. McLean	Manchester Av., Ft. Garry Dr., Ft. Garry
4GA	G. C. Hamilton	9827-103d St., Edmonton, Alta.
4GB	T. W. Brown	214 C.P.R. Bldg., Saskatoon, Sask.
4GC	H. E. Beddingfield	6th St. W., High River, Alta.
4GD	J. W. Thornton	1322 Montreal Ave., Calgary, Alta.
4GE	H. Walker	11044-107th St., Edmonton, Alta.
4GF	H. W. Wardle	OuAppelle, Sask.
4GG	W. A. Gregory	1104-8th St. E., Calgary, Alta.
4GH	P. H. Jones	Buchanan, Sask.
4GI	E. J. Taylor	10107-87th Ave., Edmonton, Alta.
4GJ	R. Sandercrock	215 Central Av., Swift Current, Sask.
4GK	P. C. Stewart	1086 Alder Ave., Moose Jaw, Sask.
4GL	M. L. G. Alway	Ford Garage, 1st S.E., Red Deer, Alta.
4GM	R. S. MacDonald	Boyle, Alta.
4GN	K. W. F. Cooper	326 River St. W., Prince Albert, Sask.
4GO	G. I. Strachey	1701-2nd Ave. S.W., Calgary, Alta.
4GP	D. L. Richards	11 New Street E., Calgary, Alta.
4GQ	E. S. Hillis	65 Home St. W., Moose Jaw, Sask.
4GR	N. A. J. Dadswell	120-12th St. W., Prince Albert, Sask.
4GS	L. B. Eddleston	8723-101A Ave., Edmonton, Alta.
4GT	A. Asmussen	Stettler, Alta.
4GU	R. G. Hlder	9835-88th Ave. S., Edmonton, Alta.
4GV	P. Jones	Kinkitnik P. O., Alta.
4GW	W. J. Huntingford	Second Ave., Wainwright, Alta.
4GX	J. S. Laurie	157 Tupper St. N., Pgs. LaPrairie, Man.
4GY	L. A. De Savoye	10630-74th Ave., Edmonton, Alta.
4GZ	A. Deshamais	Entice, Alta.
4HA	W. J. Gresham	Morris, Man.
4HB	H. L. Hamersley	524 Spadina Cres. E., Saskatoon, Sask.
4HC	D. G. Sissons	5-1st St., Medicine Hat, Alta.
4HD	A. E. Hoare	706-2nd St. W., Calgary, Alta.
4HE	E. C. Strachey	3508-21st St. S.W., Calgary, Alta.
4HF	E. Sacker	11822-78th St., Edmonton, Alta.
4HG	B. C. Thomson	2141 Victoria Ave., Regina, Sask.
4HH	J. E. Brickett	260 Athabasca St. E., Moose Jaw, Sask.
4HI	D. Matushynce	Davidson, Sask.
4HJ	H. Mortimer	337 Alder Ave., Moose Jaw, Sask.
4HK	G. C. M. Lewis	2227-16th St. E., Calgary, Alta.
4HL	S. Russell	1615-11th Ave., Calgary, Alta.
4HM	F. Hollingsworth	1804 Centre St. S., Calgary, Alta.
4HN	J. E. Palmer	1235-6th Ave., South Lethbridge, Alta.
4HO	H. S. Bell	624-10th Ave. N.E., Moose Jaw, Sask.
4HP	A. Taylor	C.P.R. Station, Wask. Waskada, Man.
4HQ	N. T. Peters	R.C.M.P. Barracks, Prince Albert, Sask.
4HR	G. R. Lenton	S. 12, The Strathmore, Hargrave & Brd., Winnipeg, Man.
4HS	E. J. M. Mehlfior	Bateman, Sask.
4HU	J. Woslyng	Cardston, Alta.
4HV	C. H. Pirle	500 Avenue "T" N., Saskatoon, Sask.

# Canadian Amateur Stations of the Fifth District

Includes British Columbia, Yukon and Northwest Territories.

5AA	F. F. Cooper	James Island, B.C.
5AB	W. E. Nelson	221 Queensboro, New Westminster, B.C.
5AC	R. C. Bodie	1290-11th Ave. W., Vancouver, B.C.
5AD	H. Balfe	Cloverdale, B.C.
5AE	F. Fong	426 Hastings St. E., Vancouver, B.C.
5AF	R. S. Ingram	2075-6th Ave. W., Vancouver, B.C.
5AG	V. F. Allardyce	974-12th Ave. W., Vancouver, B.C.
5AH	C. E. Longley	3351 Quebec Pl., Vancouver, B.C.
5AI	E. C. Bayliss	1037 Pendergast St., Victoria, B.C.
5AJ	A. V. Thomas	Empire Theatre Bldg., North Vancouver, B.C.
5AK	J. T. North, Jr.	2017-15th Ave. W., Vancouver, B.C.
5AL	J. K. Cavalsky	P. O. Box 134, Nanaimo, B.C.
5AM	R. F. Newton	2017-15th Ave. W., Vancouver, B.C.
5AN	F. P. Sparus	829-14th Ave. E., Vancouver, B.C.
5AO	J. T. Allan	2540 Tanner St., Vancouver, B.C.
5AP	G. R. Robinson	956-19th Ave. W., Vancouver, B.C.
5AQ	H. S. Rounding	3212 Maple St., Victoria, B.C.
5AR	W. G. MacPherson	1936-7th Ave. W., Vancouver, B.C.
5AS	C. E. Trott	Cor. Reece Ave. & Robson, Chilliwack, B.C.
5AT	A. D. Baillie	Port Hammond, B.C.
5AU	C. Lyle	1049 Nelson St., Vancouver, B.C.
5AV	W. A. Jones	2085-6th Ave. W., Vancouver, B.C.
5AW	Prince Rupert Radio Club	P. O. Box 1644, Prince Rupert, B.C.
5AX	G. Lyons	1300 Robson St., Vancouver, B.C.
5AY	J. J. Sprott	North Arm of Burrard Inlet, Vancouver, B.C.
5AZ	Department of Physics	University of British Columbia, Vancouver, B.C.
5BA	W. B. Patrick, Jr.	1930-16th Ave. W., Vancouver, B.C.
5BB	L. Galvin	2216 Stephens St., Vancouver, B.C.
5BC	H. S. Telford	3890 Cartier Ave., Vancouver, B.C.
5BD	C. G. L. Reid	4675 Kingsway, Burnaby, B.C.
5BE	J. F. Tener, Jr.	1722 Rocky Mt. Rang., Armstrong, B.C.
5BF	E. G. Kidd	650-12th Ave. E., Vancouver, B.C.
5BG	W. G. Lloyd	834 Seymour St., Vancouver, B.C.
5BH	G. A. Playfair	2324 McNeill Ave., Oak Bay, B.C.
5BI	R. J. Mellin	Quamichan Lake, Duncan P. O., B.C.
5BJ	E. S. Brooks	1209-5th Ave. New Westminster, B.C.
5BK	W. M. Matheson	876-12th Ave. W., Vancouver, B.C.
5BL	J. Landrin	3290 Granville St., Vancouver, B.C.
5BM	J. L. R. Nesbitt	1023 Harwood St., Vancouver, B.C.
5BN	R. L. Gray	Tranquille, B.C.
5BO	R. E. V. Pottruff	Port Alberni, Victoria, B.C.
5BP	R. L. Freeman	2171 First Ave. W., Vancouver, B.C.
5BQ	Sun Wah Bun	269 Pender St. E., Vancouver, B.C.
5BR	W. D. Wood	Shaughnessy Heights, Vancouver, B.C.
5BS	N. A. Hughes	1034 Nicola St., Vancouver, B.C.
5BT	R. H. Feilding	George Park, Victoria, B.C.
5BU	J. K. Kirkham	962-21st Ave. E., Vancouver, B.C.
5BV	E. A. Phillips	3648-20th Ave. W., Vancouver, B.C.
5BW	G. H. Dunn	L. 15, B. 6, R. P. 348, Kelowna, B.C.
5BX	K. M. Durkee	3046 Granville St., Vancouver, B.C.
5BY	R. J. Sprott	North Arm of Burrard Inlet, Vancouver, B.C.
5BZ	W. J. Frampton	Mt. Toimie & Comaught, Victoria, B.C.
5CA	J. F. Whalen	2036-15th Ave. W., Vancouver, B.C.
5CB	N. J. Smith	902 Cook St., Victoria, B.C.
5CC	R. A. Coute	121 Nicola St., Kamloops, B.C.
5CD	G. Newman	1439 Comox St., Vancouver, B.C.
5CE	A. J. Davidson	373-29th Ave. E., S. Vancouver, B.C.
5CF	D. C. Schubert	Queen Charlotte City, B.C.
5CG	G. Kerr	895 Bordon St., Prince Rupert, B.C.
5CH	P. T. Black	Central Hotel, Prince Rupert, B.C.
5CI	Unassigned	
5CK	C. H. D. Hill	2133 Cedar St., Vancouver, B.C.
5CL	D. R. Heritage	1072-25th Ave. E., Vancouver, B.C.
5CM	V. R. K. Dafee	R.R. 1, Skaha L. Rd., Penticton, B.C.
5CN	R. Baird	1847 Broadway W., Vancouver, B.C.
5CO	C. O. West	3290 Granville St., Vancouver, B.C.
5CP	A. W. Terro	1325 Johnson St., Victoria, B.C.
5CQ	E. W. Neilson	705-17th Ave. E., Burnaby, B.C.
5CR	D. Jenkins	416 Lyons Pl., North Vancouver, B.C.
5CS	V. J. Bond	1320 Yates St., Victoria, B.C.
5CT	L. A. Coburn	Chase, B.C.
5CU	W. F. Reeves	Tel Operator C. P. R., Duncan, B.C.
5CV	H. O. Kobold	866 Cordova St. E., Vancouver, B.C.
5CW	J. A. Alken	Box 518, Kelowna, B.C.
5CX	Unassigned	
5CY	G. C. Bulger	3rd Av. & 6th St., Prince Rupert, B.C.
5CZ	J. G. M. Lock	1026 Park Blvd., Victoria, B.C.
5DA	S. V. Crompton	937-17th Ave. W., Vancouver, B.C.
5DB	E. Bun	269 Pender St. E., Vancouver, B.C.
5DC	S. S. Tufts	2544 Cornwall St., Vancouver, B.C.
5DD	A. W. Mable	223 Russell St., Victoria, B.C.
5DE	Unassigned	
5DF	G. Bonavia	1421 Mitchell St., Victoria, B.C.
5DG	J. R. Humble	1330-59th Ave. W., Vancouver, B.C.
5DH	J. Peck	417 Queens, New Westminster, B.C.
5DI	H. B. Elworthy	59 Menzies St., Victoria, B.C.
5DJ	R. Black	2950 Albina St., Victoria, B.C.
5DK	Unassigned	
5DL	R. C. Hammond	1290-12th Ave. W., Vancouver, B.C.
5DM	J. W. Watson	3620 Mayne Ave., McKay, B.C.
5DN	H. E. Walsh	2691 43rd Ave. W., Vancouver, B.C.
5DO	J. A. L. Adamson	1155 Monterey, Oak Bay, Victoria, B.C.
5DP	J. A. Clements	2148-13th Ave. W., Vancouver, B.C.
5DQ	E. P. Mason	4968 Commercial St. S., Vancouver, B.C.
5DR	Unassigned	
5DS	T. H. G. Sterling	2072-3rd Ave. W., Vancouver, B.C.
5DT	Unassigned	
5DU	G. C. Cunningham	Richester St., Kelowna, B.C.
5DV	F. Saunders	2905 Hemlock St., Vancouver, B.C.
5DW	J. W. Kinnarty	Western Colleg. Inst., Vancouver, B.C.
5DX	R. M. Morton	3148-2nd Ave., Vancouver, B.C.
5DY	H. Burton	2740 Asquith St., Vancouver, B.C.
5DZ	W. N. Moss	4055 Alice St., Vancouver, B.C.
5EA	Unassigned	
5EB	C. G. Trotter	1886-12th Ave. W., Vancouver, B.C.
5EC	E. B. Marshall	23-14th Ave. W., Vancouver, B.C.
5ED	C. H. Patrick	1440 Clifford St., Victoria, B.C.
5EE	J. S. Cull	1137 Balfour Ave., Vancouver, B.C.
5EF	E. H. Harris	1347 Wining St., Victoria, B.C.
5EG	H. E. Parsons	4172 Welwyn St., S. Vancouver, B.C.
5EH	H. K. Bamford	1902 Blenheim Rd., Vancouver, B.C.
5EJ	F. Crisp	1451 Balfour Ave., Vancouver, B.C.



5EK	W. H. Brakes	2023 Belmont Ave., Victoria, B.C.
5EL	G. S. Armstrong	304-6th Ave. W., Vancouver, B.C.
5EM	D. R. V. Blair	2910-3rd Ave. W., Vancouver, B.C.
5EN	W. E. Magee	1922-8th Ave. W., Vancouver, B.C.
5EO	W. H. Morris	1906-15th Ave. W., Vancouver, B.C.
5EP	H. R. L. Micheltore	51-26th Ave. E., S. Vancouver, B.C.
5EQ	H. B. Mowatt	3550-1st Ave. W., Vancouver, B.C.
5ER	J. Crockett	167-17th Ave. W., Vancouver, B.C.
5ES	H. F. Hanna	1324-18th Ave. E., Vancouver, B.C.
5ET	H. P. Weaver	Chase, B.C.
5EU	H. V. Warren	925 Nicola St., Vancouver, B.C.
5EV	W. E. A. Chatwin	2061-3rd Ave. E., Vancouver, B.C.
5EW	H. D. Johnston	2555-6th Ave. W., Vancouver, B.C.
5EX	A. J. W. Porter	711 London St., Esq., Victoria, B.C.
5EY	Unassigned	
5EZ	R. B. Lamb	1356-11th Ave. W., Vancouver, B.C.
5FA	W. F. Humphrey	1916-7th Ave. W., Vancouver, B.C.
5FB	L. King	445 Main St., Vancouver, B.C.
5FC	A. E. Peck	417 Queens Av., New Westminster, B.C.
5FD	J. B. Collin	4462 John St., Vancouver, B.C.
5FE	N. A. Good	1016 Dublin St., N. Westminster, B.C.
5FF	N. A. Good	
5FG	Vancouver Island Radio Club	Box 472, Victoria, B.C.
5FH	W. H. Breeden	6145 Balsam St., Vancouver, B.C.
5FI	F. J. Neilson	208 Agnes St., New Westminster, B.C.
5FJ	J. Hurd	223-47th Ave. E., S. Vancouver, B.C.
5FK	E. E. Robson	201 Broadway W., Vancouver, B.C.
5FL	J. L. Weir	543-17th Ave. W., Vancouver, B.C.
5FM	W. K. Labron	2157-5th Ave. W., Vancouver, B.C.
5FN	O. K. Honeyford	155-6th Ave. W., Vancouver, B.C.
5FO	S. F. Kelly	6329 McDonald St., Vancouver, B.C.
5FP	A. W. Mark	707 Agnes St., New Westminster, B.C.
5FQ	B. W. Muford	1750 Fourth St., Victoria, B.C.
5FR	J. M. Buck	2233 Columbia St., Vancouver, B.C.
5FS	Kamloops Junior Brotherhood	121 Nicola St., Kamloops, B.C.
5FT	C. J. Grey	1512 Yew St., Vancouver, B.C.
5FU	E. A. Westlake	8696 Oak St., Marpole, B.C.
5FV	H. A. Morrison	Chase, B.C.
5FW	F. H. Curran	1336 Pendrell St., Vancouver, B.C.
5FX	C. G. Greuell	Vernon, B.C.
5FY	A. W. McConachie	A.B., M.I., Queen Charlotte Is., B.C.
5FZ	W. S. Puris	1330 Penurell St., Vancouver, B.C.
5GA	W. N. McDonald	1191-12th Ave. W., Vancouver, B.C.
5GB	R. Barlow	45th Av. & Balsam St., Kerrisdale, B.C.
5GC	H. W. Vosper	1616 Napier St., Vancouver, B.C.
5GD	H. V. Darts	50 W. 2nd St., Revelstoke, B.C.
5GE	E. H. Hawkins	1451 Hamely St., Victoria, B.C.
5GF	W. J. Rowan	1928 Pender St. E., Vancouver, B.C.
5GG	E. R. Casselman	510-12th Ave. W., Vancouver, B.C.
5GH	W. R. Turton	2004-36th Ave. W., Vancouver, B.C.
5GI	J. S. Pulton	733 Oliver St., Oak Bay, B.C.
5GJ	A. S. Morrow	1923 Waterloo Rd., Vancouver, B.C.
5GK	P. A. Leonard	2616 Work St., Victoria, B.C.
5GL	E. H. Nunn	959-23rd Ave. W., Vancouver, B.C.
5GM	R. Elliot	2431 Currie Rd., O.B., Victoria, B.C.
5GN	K. M. Rayner	Francis Lake, Endako, B.C.
5GO	E. Chang	466 Pender St. E., Vancouver, B.C.
5GP	L. Muir	2761 Kitchener St., Vancouver, B.C.
5GQ	H. V. Stevens	Dartford St., Hammond, B.C.
5GR	E. Henry	1524 Charles St., Vancouver, B.C.
5GS	R. Telford	3489 Osler Ave., Vancouver, B.C.
5GT	F. E. Batt	429-5th W. B. (79), Pr. Rupert, B.C.
5GU	Cope and Sons, Ltd.	150 Hastings St. W., Vancouver, B.C.
5GV	J. W. Bridge	2027-36th Ave. W., Vancouver, B.C.
5GW	W. S. Cornyn	1144 Bidwell St., Vancouver, B.C.
5GX	G. H. Coussens	1763-8th Ave. E., Vancouver, B.C.
5GY	B. C. Radio Association	336 Hastings St., Vancouver, B.C.
5GZ	E. W. Tyers	1803-7th Ave. E., Vancouver, B.C.
5HA	J. R. Arnold	26th Ave. & Cartier, Vancouver, B.C.
5HB	F. Elliot	3423 Pender St. E., Vancouver, B.C.
5HC	A. Lettich	950-12th Ave. E., Vancouver, B.C.
5HD	S. E. Clark	112-2nd Ave. W., Vancouver, B.C.
5HE	D. J. Neilson	128 Agnes St., New Westminster, B.C.
5HF	T. West, Jr.	5849 St. Margarets St., Vancouver, B.C.
5HG	R. B. Lanskill	1212 Pendrell St., Vancouver, B.C.
5HH	W. G. Gregory	1437 Matthews Ave., Vancouver, B.C.
5HI	A. E. Evans	3317 Fleming St., Vancouver, B.C.
5HJ	W. Galpin	Whitehorse, Yukon

9AW	W. C. C. Duncan	196 Ellsworth Ave., Toronto, Ont.
9AX	Sprott Shaw School	336 Hastings St. W., Vancouver, B.C.
9AY	Canadian Radio Electric Co.	782 Logan Ave., Toronto, Ont.
9AZ	R. Letts	282 1/2 Oxford St., Halifax, N.S.
9BA	A. L. Almsworth	2 Mesgber Ave., Toronto, Ont.
9BB	Unassigned	
9BC	Marcod Wireless Tel. Co. of Can.	La Prairie, Que.
9BD	W. D. Woods	R. 500, Barron Hotel, Vancouver, B.C.
9BE	Sprott Shaw Business Inst., Ltd.	New Weller Bldg., Victoria, B.C.
9BF	F. A. Wade	7 Summit Ave., London, Ont.
9BG	K. G. Moffatt	1216 Broad St., Victoria, B.C.
9BH	F. A. Burgess	8 Glengrove Ave. W., Toronto, Ont.
9BI	F. P. Vaughan	269 Charlotte St., St. John, N.B.
9BJ	W. Y. Sloan	167 Close Ave., Toronto, Ont.
9BK	The Vimy Supply Co.	567 College St., Toronto, Ont.
9BL	F. G. O'Brien	Nova Scotia Tech. Col., Halifax, N.S.
9BM	Northern Electric Co., Ltd.	121 Shearer St., Montreal, Que.
9BN	Marconi W. T. Co. of Can., Ltd.	Newcastle, N.B.
9BO	J. K. Cooper	2937-49th Ave. W., Prince Rupert, B.C.
9BP	J. Barnsley	409-4th Ave. W., Kelowna, N.S.
9BQ	M. B. Baird	621 Talbot St., St. Thomas, Ont.
9BR	G. A. McMurtry Co.	21 Benson St., Ingersoll, Ont.
9BS	H. LeR. Byerlay	Fleming Hall, O. Un., Kingston, Ont.
9BT	Queens University	1 Shorncliffe Ave., Toronto, Ont.
9BU	A. E. Res. Jr.	38 Howland Ave., Toronto, Ont.
9BV	K. S. Hall	
9BW	Unassigned	
9BX	J. E. Maynard	Morse, Sask.
9BY	Unassigned	
9BZ	Toronto University Electrical Engineers Dept.	Toronto, Ont.
9CA	Radio Supply Co., Ltd.	10008-101 A. Ave., Edmonton, Alta.
9CB	E. A. Smallwood	1942 Queen St. E., Toronto, Ont.
9CC	J. P. Henderson	88 Rosemount Ave., Ottawa, Ont.
9CD	G. W. McLain	342 Brunswick Ave., Toronto, Ont.
Reception only	Northern Electric Co., Ltd.	700 Aberdeen Ave., Westmount, Que.
Reception only	Pacific Cable Board	Spencer Bldg., Halifax, N.S.

## Canadian Telephone Broad-casting Stations

CFAC	Western Radio Co., Ltd., Calgary, Alta., Can. Daily ex Sun. 3:30-4:30 pm. Daily, 7:45-8:45 pm.
CFCA	Toronto Star, Toronto, Ont., Can. Daily ex Sun, 12 m, weather: 2:30-3:30 pm, news, music; 5:30-6, news; 8-9, concert. Sun, 8:30-9:30 pm, concert.
CFCB	Marconi Co., Vancouver, B. C., Can. Daily ex Wed, Sun, 3:30-4:30 pm. Daily, 8:30-9:30 pm, reports, news, music.
CFCE	Marconi Co., Halifax, N. S., Can. Mon, Wed, Sun night, music, entertainment.
CFCF	Marconi Co., Montreal, P. Q., Can. Daily ex Sun, 1-1:30 pm. Mon, Wed, Fri, 7:30-9 pm.
CFCH	Abitibi Power & Paper Co., Ltd., Iroquois Falls, Ont., Can.
CFCI	Motor Products Corp., Walkerville, Ont., Can.
CFCN	W. W. Grant Radio, Ltd., Calgary, Alta., Can. Experimental Station. Sat, Sun, after 11:30 pm.
CFCX	The London Advertiser, London, Ont., Can.
CFPC	International Radio Develop. Co., Fort Frances, Ont., Can.
CFTC	The Bell Telephone Co., Toronto, Ont., Can.
CFYC	Victor Wentworth Odlum, Vancouver, B. C., Can.
CFZC	Can. Westinghouse Co., Montreal, Que., Can.
CHBC	W. W. Grant Radio, Ltd. (Morning Albertan), Calgary, Can. Daily, 8:45-10 pm, news, stock quotations, music.
CHCA	Radio Corp. of Vancouver, Ltd., Vancouver, B. C., Can.
CHCB	Marconi Co., Toronto, Can.
CHCC	Can. Westinghouse Co., Ltd., Edmonton, Alta., Can.
CHCF	Radio Corp. of Winnipeg, Ltd., Winnipeg, Man., Can.
CHCQ	Western Radio Co., Ltd., Calgary, Alta., Can. Daily ex Sun, 3:30-4:30 pm. Daily, 7:45-8:45 pm.
CHCS	London Radio Shoppe, London, Ont., Can.
CHCX	B. L. Silver, Montreal, Que., Can.
CHCZ	Globe Printing Co., Toronto, Ont., Can.
CHOC	Can. Westinghouse Co., Ltd., Vancouver, B. C., Can.
CHVC	Metropolitan Motors Co., Toronto, Can. Daily ex Sat and Sun, 5:30-3 pm, news concert.
CHXC	J. R. Booth, Jr., Ottawa, Ont., Can. Mon, Wed, Sat, 8:30-10 pm, music, entertainment.
CHYC	Northern Elec. Co., Montreal, Que., Can.
CJBC	Dupuis-Freres, Montreal, Que., Can. Wed, Fri, 9-10 pm, music.
CJCA	Edmonton Journal, Ltd., Edmonton, Alta., Can. Daily ex Sun, 12 m reports, concert; 8:30-10 pm, concert.
CJCB	James Gordon Bennett, Nelson, B. C., Can. Daily, 8-9 pm, music, news, reports.
CJCD	T. Eaton Co., Toronto, Can. Daily ex Sat and Sun, 4-4:30 pm, concert. Sat, 12-12:30 pm, concert.
CJCE	Vancouver Sun, Vancouver, B. C., Can. Daily ex Sun, 12:30-1:30 pm, 3:30-5, 8-10, music, news.
CJCF	The News Record, Ltd., Kitchener, Ont., Can. Thurs, 9-11 pm.
CJCG	Manitoba Free Press, Winnipeg, Can. Daily ex Sun, 10-10:30 am, news; 12-1 pm, reports. Mon, Thurs, 8-10 pm, concert. Tues, 7-8 pm, music. Fri, 5:30-6:45 pm, music. Sun, 8 pm, every other week starting August 20.
CJCH	United Farmers of Ontario, Toronto, Ont., Can.
CJCI	McLean, Holt & Co., Ltd., St. John. N. B., Can. Daily, 8-9 pm, music, news, weather.
CJCN	Simons, Agnew & Co., Toronto, Ont., Can.
CJCS	Eastern Telephone & Telegraph Co., Halifax, N. S., Can.
CJCY	Edmund Taylor, Calgary, Alta., Can.
CJCG	London Free Press, London, Ont., Can. Daily ex Sun, 9:30-10 am; 12-1 pm, news; 8:30-6 pm, weather, news; 8-9, music, entertainment.
CJNC	Tribune Newspaper Co., Winnipeg, Man., Can. Daily ex Sun, 9:30-10 am, 1-2 pm. Mon, 5:30-6:45 pm. Tues, 8-10 pm. Fri, 7-8 pm. Sun, 3-4 pm.
CJSC	Evening Telegram, Toronto, Ont., Can.
CKAC	La Presse, Montreal, Can. Daily, 2 pm, reports; 3:30, markets; 4:45, musical teas, news; 5:30, specials. Tues, Thurs, Sat, 7 pm, kiddies' stories; 7:30-9:30, music, entertainment. Sun, 4 pm, sacred concert.
CKCB	T. Eaton Co., Ltd., Winnipeg, Man., Can.
CKCD	Vancouver Daily Province, Vancouver, B. C., Can. Daily ex Sun, 8:30-9:30 pm, music, entertainment, news.
CKCE	Can. Ind. Telephone Co., Toronto, Ont., Can.
CKCK	Leader Pub. Co., Regina, Sask., Can. Daily ex Sun, 10-10:30 am, news; 1:15-2 pm, markets, news, music. Mon, Wed, Thurs, 7:30-8:15 pm, sports, music. Tues, Fri, 7:30-9 pm, concert.
CKCR	Jones Elec. Radio Co., Ltd., St. John, N. B., Can. Daily 4-5 pm, concert, reports.
CKCS	The Bell Telephone Co., Montreal, Que., Can.
CKCZ	Westinghouse Co., Ltd., Toronto, Ont., Can.
CKKC	Radio Equipment & Supply Co., Ltd., Toronto, Ont., Can.
CKOC	Wentworth Radio Supply Co., Ltd., Hamilton, Ont., Can. Mon, Wed, Fri, 8:30-9:30 pm, concert. Sun, church services.
CKQC	Radio Supply Co., London, Ont., Can. Mon, Wed, Fri, 7:30-8:30 pm, music, entertainment.
CKZC	Salton Radio Eng. Co., Winnipeg, Man., Can.

## Canadian Training School

6AA	Unassigned	
6AB	Kelvin Technical High School	
6AC	Mount St. Bernard College	Academy Rd. & Harrow St., Winnipeg
6AD	Vancouver Technical High School	Ramsay St., Sorel, Que.
6AE	L'Academie Girouard	411 Dunsmuir St., Vancouver, B.C.
6AF	McGill University C.O.T.C.	St. Hyacinthe, Que.
6AG	McGill University C.O.T.C.	Montreal, Que.
6AH	Commercial & Scientific College	Montreal, Que.
6AI	Success Business College	200 Galt Ave., Verdun, Que.
6AJ	Academie du Sacre Coeur	Banner Block, Regina, Sask.
6AK	Canada School of Telegraphy	55 Prince St., Sorel, Que.
6AL	University of Toronto	Queen Bldg., Halifax, N.S.
6AX	St. John Technical High School	Toronto, Ont.
6AY	Frere Irene	Church & Salter Sts., Winnipeg, Man.
6AZ	Maritime Radio Institute	83 College St., Halifax, N.S.

## Experimental Stations

9AA	T. Robb	
9AB	G. Desilets	520 Argyle Ave., Westmount, Que.
9AC	W. W. Grant Radio, Ltd.	Nicolet, Que.
9AD	Unassigned	511 Lougheed Block, Calgary, Alta.
9AE	Unassigned	
9AF	Unassigned	
9AG	Unassigned	
9AH	Canadian Independent Tel. Co.	Wallace Av. & Ward St., Toronto, Ont.
9AI	Unassigned	
9AJ	Unassigned	
9AJ	R. A. H. Galbraith	57 Regal Rd., Toronto, Ont.
9AK	K. S. Rogers	53 Bayfield St., Chaffottetown, P.E.I.
9AL	A. H. K. Russell	11 Pinewood Ave., Toronto, Ont.
9AM	Marconi W. T. Co. of Can., Ltd.	173 William St., Montreal, Que.
9AN	J. Z. Helmosse	10 Hemlock Av., Shawinigan Falls, Que.
9AO	Hydro Electric Pwr. Commission	London, Ont.
9AP	Hydro Electric Pwr. Commission	Queenston, Ont.
9AQ	Hydro Electric Pwr. Commission	Niagara Falls, Ont.
9AR	Hydro Electric Pwr. Commission	Dundas, Ont.
9AS	Hydro Electric Pwr. Commission	Toronto, Ont.
9AT	Acadia University	Wolfville, N.S.
9AU	University of Alberta	Physics Dept., Edmonton, Alta.
9AV	C. A. L. Lowry	219 Robert St., Toronto, Ont.

HIRAM PERCY MAXIM, PRESIDENT  
CHAS. H. STEWART, VICE-PRESIDENT

F. H. SCHNELL, TRAFFIC MANAGER

A. A. HEBERT, TREASURER  
K. B. WARNER, SECRETARY



# THE AMERICAN RADIO RELAY LEAGUE



EXECUTIVE HEADQUARTERS  
HARTFORD, CONNECTICUT

OFFICIAL ORGAN: QST  
KENNETH B. WARNER, EDITOR

Dear Fellow Amateur;

Are you interested in joining the largest, active amateur organization in the country? The American Radio Relay League, Inc. is a national, non-commercial association of radio amateurs bonded for the more effective relaying of friendly messages between their stations, for legislative protection, for orderly operation, and for the improvement of practical, two-way, short-wave radiotelegraphic communication.

It is an incorporated association without capital stock, chartered under the laws of Connecticut. Its affairs are governed by a Board of seventeen Directors, elected every two years by the general membership. The officers, in turn, are elected by the Directors from among their number. The League is non-commercial and no one commercially engaged in the manufacture, sale or rental of radio apparatus is eligible to membership on the Board.

"Of, by and for the amateur", it numbers within its ranks practically every worth-while amateur in the United States, Canada and many in foreign countries, and has a history of glorious achievement as the standard bearer in amateur affairs.

QST, the premier amateur radio magazine, is the official organ of the League. Published exclusively by and for the amateur, it contains news of everything of interest to him that occurs in the amateur field; articles dealing with all phases of technical radio as related to amateur reception and transmission are regularly published.

The only essential requirement for membership in the League is a BONA-FIDE INTEREST in radio. Station ownership, while desirable, is not necessary. The dues for membership, which also includes a years subscription to QST, are \$2.00 a year. Inquiries regarding the League and QST are invited and correspondence should be addressed to the Secretary.

We are interested in you - vitally, and we hope you are interested in us. We want to hear from you.

Yours sincerely,

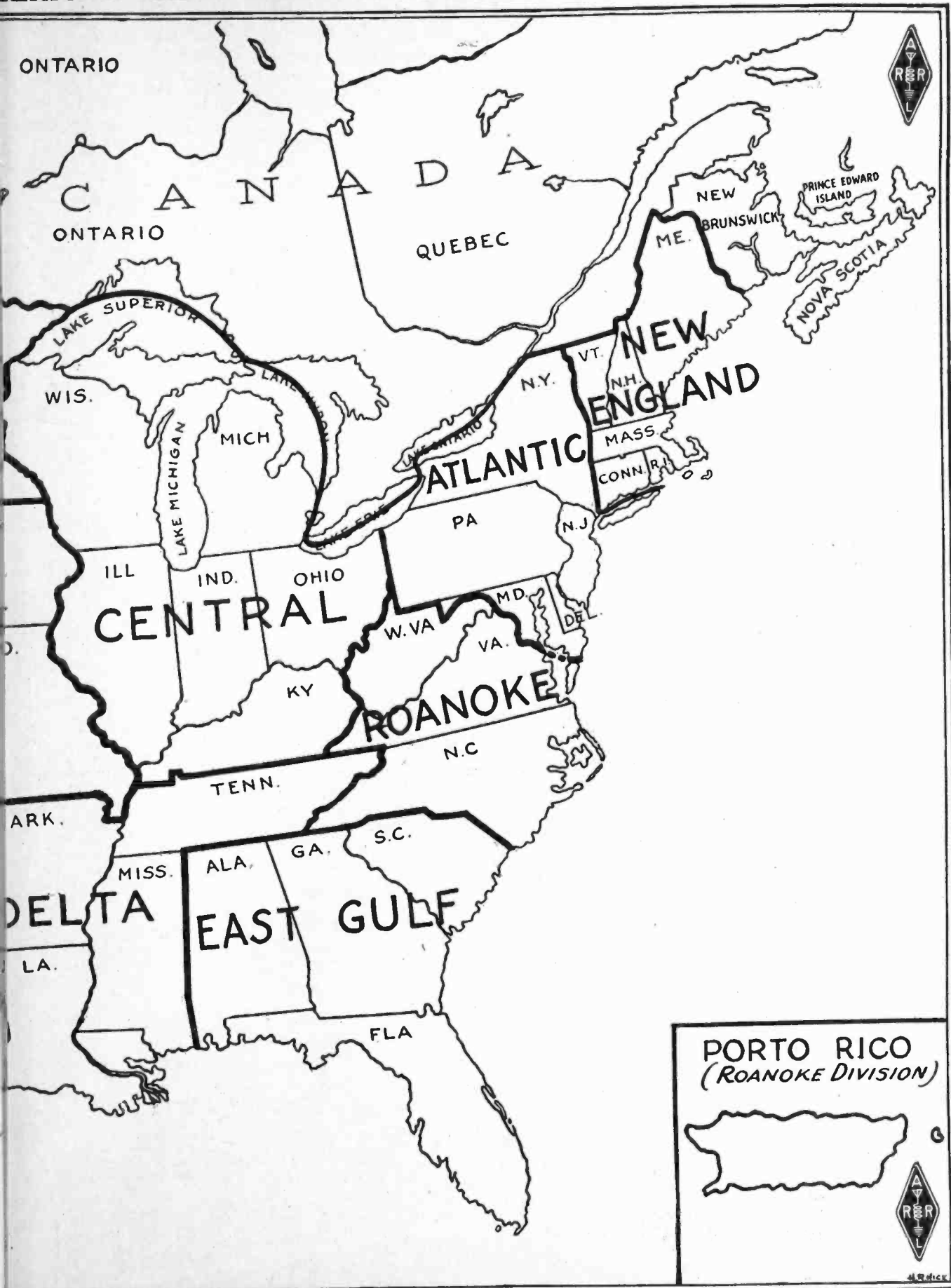
*K. B. Warner*  
Secretary - Editor.

# DIVISIONAL MAP OF THE





# AMERICAN RADIO RELAY LEAGUE



# A.R.R.L. DIRECTORY

## OFFICERS

*President*  
**HIRAM PERCY MAXIM**  
 Hartford, Conn.

*Vice President*  
**CHAS. H. STEWART**  
 St. David's, Pa.

*Traffic Manager*  
**F. H. SCHNELL**  
 1045 Main St.  
 Hartford, Conn.

*Treasurer*  
**A. A. HEBERT**  
 Nutley, N. J.

*Secretary*  
**K. B. WARNER**  
 Hartford, Conn.

## DIRECTORS

**H. M. ANTHONY**  
 Muncie, Ind.

**H. A. BEALE, Jr.**  
 Parkesburg, Pa.

**A. H. BABCOCK**  
 Berkeley, Calif.

**V. F. CAMP**  
 Brightwaters, L. I.

**F. M. CORLETT**  
 Dallas, Tex.

**C. E. DARR**  
 Detroit, Mich.

**W. C. C. DUNCAN**  
 Toronto, Ontario

**A. A. HEBERT**  
 Nutley, N. J.

**H. B. JOY**  
 Grosse Pointe, Mich.

**S. KRUSE**  
 Hartford, Conn.

**S. M. MATHES**  
 Bremerton, Wash.

**H. P. MAXIM**  
 Hartford, Conn.

**F. H. SCHNELL**  
 Hartford, Conn.

**C. H. STEWART**  
 St. David's, Pa.

**C. A. SERVICE**  
 Hartford, Conn.

**K. B. WARNER**  
 Hartford, Conn.

**M. B. WEST**  
 Chicago, Ill.

## ADVISORY TECHNICAL COMMITTEE

**C. S. BALLANTINE**  
**WM. C. BALLARD, Jr.**  
**LEROY M. E. CLAUSING**  
**FRANK CONRAD**  
**LEO C. YOUNG**  
**GERALD M. BEST**

**MINTON CRONKHITE**  
**J. H. DELLINGER**  
**C. L. FARRAND**  
**PAUL F. GODLEY**  
**F. C. BLAKE**  
**MELVILLE EASTHAM**

**D. G. McCAA**  
**L. A. HAZELTINE**  
**C. D. TUSKA**  
**R. H. G. MATHEWS**  
**S. KRUSE**

Address General Correspondence to Executive Headquarters, Hartford, Conn.

## OPERATING DEPARTMENT

### ATLANTIC DIVISION

Manager..... C. H. Stewart, St. David's, Pa.  
 A.D.M. Dist. of Col..... H. J. Wadsworth, 70 V St. N. W., Washington  
 A.D.M. Maryland..... G. L. Delchmann, Jr., Park Hts. & Bancroft Ave., Balto.  
 A.D.M. No. N. J..... R. S. Johnson, Red Bank  
 A.D.M. So. N. J.....  
 A.D.M. East N. Y..... Dr. E. A. Cyriax, 219 E. 71st St., New York City  
 A.D.M. West N. Y..... Samuel Woodworth, 425 Brownell St., Syracuse  
 A.D.M. East. Penna..... James F. Rau, 2085 E. Kingston St., Philadelphia  
 A.D.M. West. Penna..... W. K. Thomas, 17 Emerson Ave., Crafton

### CENTRAL DIVISION

Manager..... R. H. G. Mathews 332 S. Michigan Ave., Chicago, Ill.  
 A.D.M. Michigan..... C. E. Darr, 137 Hill Ave., Detroit  
 A.D.M. Ohio..... Mrs. C. Candler, 106 S. Ash St., St. Mary's  
 A.D.M. Illinois..... N. C. Smith, 513 E. Seminary St., Hoopeson  
 A.D.M. Wisconsin..... B. A. Ott, c/o Segelke & Kohlhaus, La Crosse  
 A.D.M. No. Indiana..... M. W. Hutchinson, Middlebury  
 A.D.M. So. Indiana..... J. E. Hall, c/o Seymour Elec. Co., Seymour  
 A.D.M. Kentucky..... J. A. Kolb, 1101 E. Broadway, Louisville

### DAKOTA DIVISION

Manager..... N. H. Jensen, Box 894, Sioux Falls, S. D.  
 A.D.M. Minnesota..... Don C. Wallace, 54 N. Penn Ave., Minneapolis  
 A.D.M. So. Dakota..... E. W. Freeman, Elk Point  
 A.D.M. No. Dakota..... Bert Wick, 835 Broadway, Fargo

### DELTA DIVISION

Manager..... J. M. Clayton, 1301 Welch St., Little Rock, Ark.  
 A.D.M. Louisiana..... F. L. Pullen, Houma  
 A.D.M. Mississippi..... Univ. of Mississippi (W. L. Kennon), University, Miss.  
 A.D.M. Tennessee..... W. C. Hutcheson, Wind Rock

### EAST GULF DIVISION

Manager..... B. W. Cochran, Palmetto, Ga.  
 A.D.M. So. Carolina..... W. C. Etheredge, Jr., 36 E. Georgia St., Woodruff  
 A.D.M. Alabama..... V. C. McIlvane, Box 12, Auburn  
 A.D.M. Georgia..... W. B. Pope, 197 Dearing St., Atlanta, Ga.

### MIDWEST DIVISION

Manager..... G. S. Turner, 314 E. Hocker St., Independence, Mo.  
 A.D.M. Missouri..... Dr. C. R. Klenk, 420 Metropolitan Bldg., St. Louis  
 A.D.M. Nebraska..... J. G. O'Rourke, 6406 Maple St., Omaha  
 A.D.M. Iowa..... Donald E. Watts, 502 N. Fourth St., Clear Lake  
 A.D.M. Kansas..... C. Himos, 739 Ohio St., Lawrence

### NEW ENGLAND DIVISION

Manager..... I. Vermilya, 23 N. Water St., New Bedford, Mass.  
 A.D.M. Connecticut..... J. L. Rehnartz, 271 Hartford Rd., So. Manchester  
 A.D.M. Rhode Island..... F. S. Huddy, 304 Bowen St., Providence  
 A.D.M. Vermont..... R. P. Slayton, Burlington  
 A.D.M. Maine..... F. H. Pierce, Jordan High School, Lewiston  
 A.D.M. New Hampshire..... H. R. McLane, Laconia  
 A.D.M. West. Mass..... A. S. McLean, 288 Main St., Springfield, Mass.  
 A.D.M. East. Mass..... P. F. Robinson, 149 Hollis Ave., Braintree

### NORTHWESTERN DIVISION

Manager..... B. B. Bliss, Jr., 417 Bannock St., Boise, Idaho  
 A.D.M. Montana..... H. E. Cutting, Box 517, Bozeman  
 A.D.M. Washington..... K. W. Weingarten, 3219 North 24th St., Tacoma  
 A.D.M. Idaho.....

### PACIFIC DIVISION

Manager..... J. V. Wise, Bisbee Highway, Walnut Grove, Calif.  
 A.D.M. Arizona..... H. L. Gooding, 221 West St., Douglas  
 A.D.M. Nevada..... G. M. Lewis, 812 North Virginia St., Reno

### ROANOKE DIVISION

Manager..... W. T. Gravely, 854 Main St., Danville, Va.  
 A.D.M. West Va..... A. G. Heck, 410 Fairview, Mannington  
 A.D.M. Virginia..... J. F. Wohlford, 118 Cambridge Ave., Roanoke  
 A.D.M. No. Carolina..... T. M. Simpson, Peoples Nat. Bank, Winston  
 A.D.M. Porto Rico..... Louis Rexach, Box 319, San Juan

### ROCKY MOUNTAIN DIVISION

Manager..... N. R. Hood, 1022 S. Ash St., Casper, Wyo.  
 A.D.M. Utah..... M. E. Johnson, 1 E. Second St., Ephraim  
 A.D.M. Colorado..... J. L. Turre, 706—18th St., Denver  
 A.D.M. Wyoming..... P. N. Mitchell, Greybull

### WEST GULF DIVISION

Manager..... F. M. Corlett, 1101 E. 8th St., Dallas, Texas  
 A.D.M. New Mexico..... Louis Falconi, Box 421, Roswell  
 A.D.M. Oklahoma..... M. L. Prescott, 426 Euflala St., Norman  
 A.D.M. N. Texas..... R. L. Chikseales, 3913 Hamilton St., Dallas  
 A.D.M. So. Texas..... A. P. Daniel, 2504 Bagby St., Houston

### MARITIME DIVISION

Manager..... K. S. Rogers, 19 Upper Prince St., Charlottetown, P.E.I.

### ONTARIO DIVISION

Manager..... A. H. K. Russell, 11 Pinewood Ave., Toronto, Ont.

### QUEBEC DIVISION

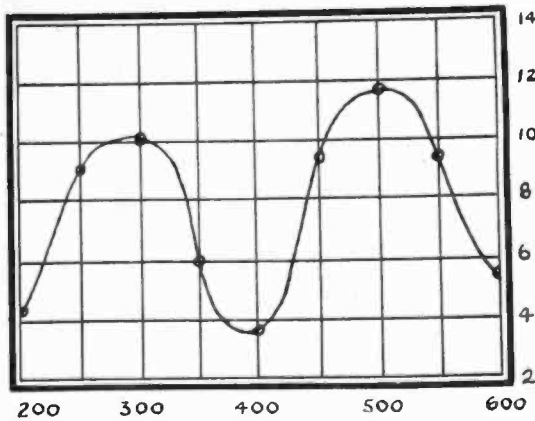
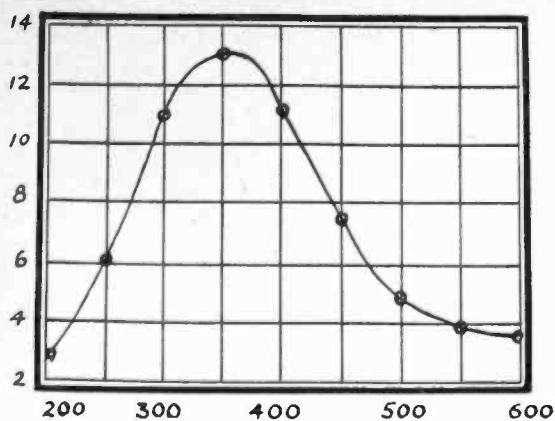
Manager..... A. J. Lorimer, Buzzell-Lorimer Co., Cowansville, Que.

### VANCOUVER DIVISION

Manager..... J. T. North, Jr., 2017—15th Ave. W., Vancouver, B. C.

### WINNIPEG DIVISION

Manager..... P. Socolofsky, Loreburn, Sask, Canada  
 A.D.M. Saskatchewan..... J. F. Maynard, Rm. 214 C. R. R. Bldg., Saskatchewan  
 A.D.M. Manitoba..... Vincent Thomas, 33 Roseworn St., St. Vital



# Find this out

## before you choose your radio frequency transformers

**DOES** it have marked depressions and peaks in its amplification range curve between 200 and 600 meters (indicating absence of amplification at the depressions)—or does it keep the amplification range curve uniform with its maximum efficiency around 360 meters—the place you need it most.

### A Test

The two charts above tell a graphic story of tests made on radio frequency transformers in the laboratories of a well known concern. The chart at the left plots the amplification range curve of an Acme R-2 taken from stock. The chart at the right represents a composite plot of the curves of 6 ordinary types of different makes taken from stock. The superiority of the Acme R-2 is self-evident.

Note its steadily increasing amplification curve with its maximum at 360 meters—just where it is most needed.

### Getting greater distances

**EQUALLY** important is the greater distances over which you can get broadcasting when using the

Acme R-2. The R-2 used in a radio frequency amplifier builds up wave energy before passing it on to the detector. You hear signals that would ordinarily be inaudible. Even the simplest and most elementary type of set, either vacuum tube or crystal receiver type, will have its range tremendously increased when the Acme R-2 is employed in conjunction with a vacuum tube.

### The best method

To secure maximum results over long distances use both Acme Radio and Acme Audio Frequency Transformers. This insures maximum sensitivity and intensity, quietness in operation and freedom from distortion. A small indoor antenna or loop may be used and sufficient intensity obtained to operate the Acme Kleerspeaker,

providing perfect entertainment for a roomful of people.

You can get these and all other Acme Products at radio, electrical and many hardware stores.

Write for booklet R-2 showing proper hook-ups and other information.



ACME R-2 Frequency Amplifying Transformer  
Price \$5 (East of Rocky Mts.)

ACME APPARATUS COMPANY, Cambridge, Mass.  
New York, 1270 Broadway Chicago, 184 W. Washington St.

Pioneer transformer and radio engineers and manufacturers

# ACME ~ for amplification

Tell 'Em You Saw It in the Citizens Radio Call Book



# MURDOCK

**F**IVE dollars is a very low price to pay for Murdock Headphones—known the world over for their high quality, clear reproduction, and lasting service. Only our huge production makes such a price possible.

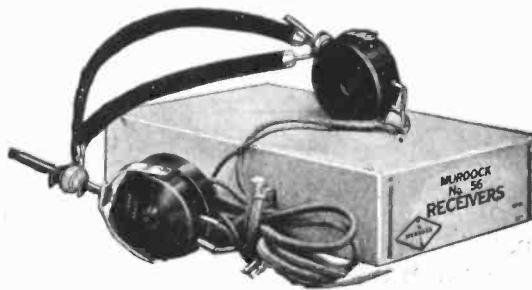
Many Murdock Headphones have been in constant use for over 15 years and are still giving the same satisfaction as when new.

If you want headphones that will last, that don't easily get out of order, insist on getting Murdock—backed by a guarantee of absolute satisfaction, or your money back.

*SOLD BY DEALERS EVERYWHERE*

**\$5<sup>00</sup>**

**No. 56  
2000  
Ohms**



**\$5<sup>50</sup>**

**No. 56  
3000  
Ohms**

**WM. J. MURDOCK COMPANY**  
GENERAL OFFICES AND FACTORY  
352 Washington Ave. Chelsea, Mass.

SALES OFFICES  
New York Chicago San Francisco

# HEADPHONES

STANDARD APPARATUS SINCE 1904

*Tell 'Em You Saw It in the Citizens Radio Call Book*

# MURDOCK

**T**HINK of it—only \$5 for a Murdock Loudspeaker—less than one-third the price of most loudspeakers. No need to pay more.

It is complete with the new adjustable Murdock Loudspeaker phone unit—fibre horn, aluminum tone chamber and molded base.

You need no extra batteries to use it. Works splendidly with amplification.

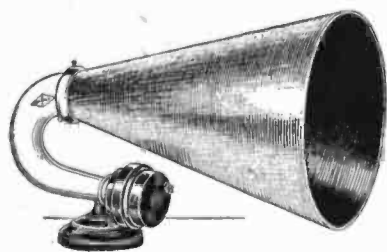
Made by the oldest and largest manufacturer of Radio Headphones.

You should have one to get the fullest enjoyment from your receiving set.

Not for use on crystal set.

*FOR SALE BY DEALERS EVERYWHERE*

**\$5**



**\$5**

**WM. J. MURDOCK COMPANY**

GENERAL OFFICES AND FACTORY

352 Washington Ave.

Chelsea, Mass.

SALES OFFICES

New York

Chicago

San Francisco

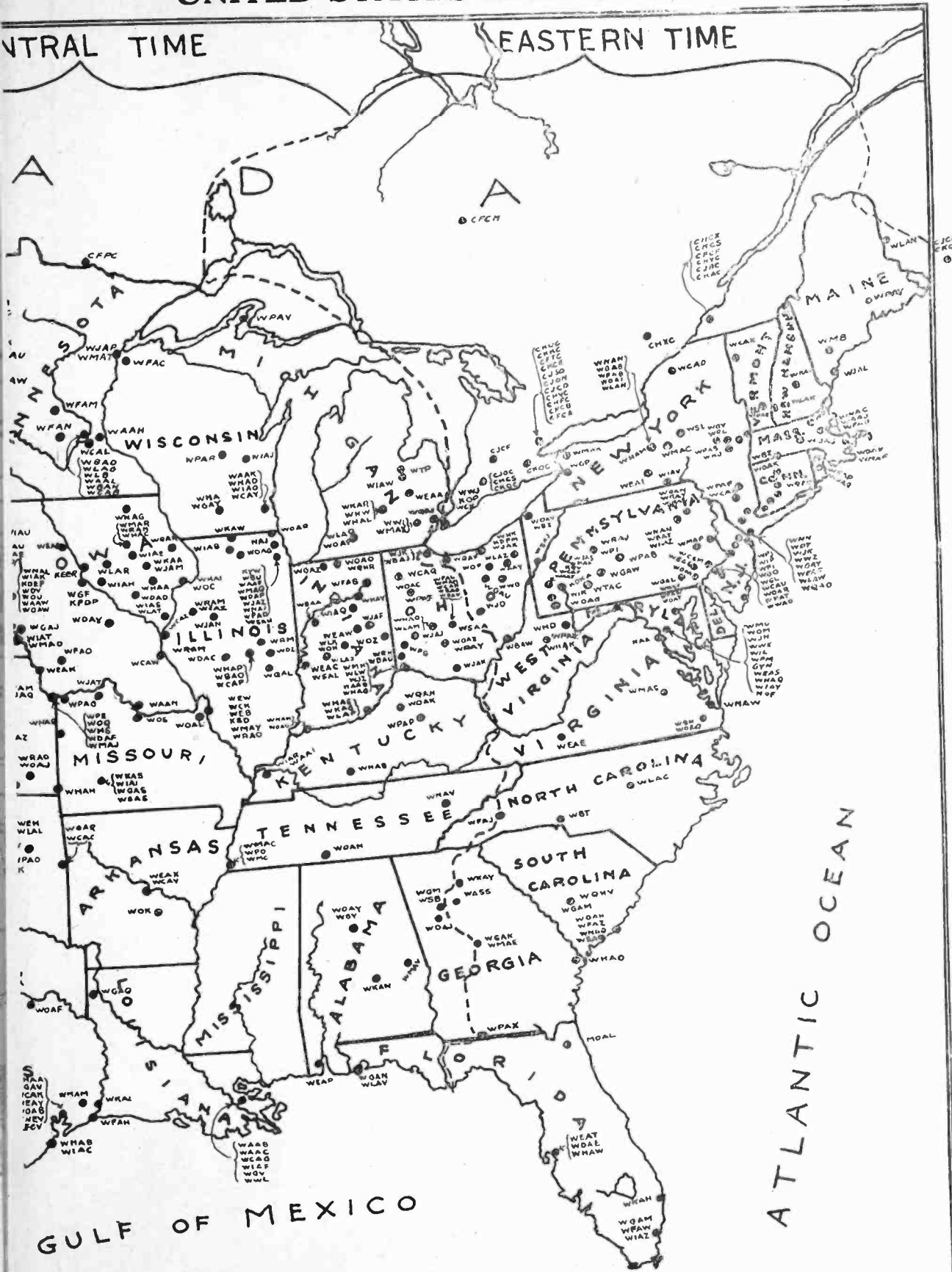
# LOUDSPEAKER

*Tell 'Em You Saw It in the Citizens Radio Call Book*





# UNITED STATES AND CANADA



Complete alphabetical list giving full operating schedules follows

## A MAGNAVOX Power Amplifier for your Magnavox Reproducer

MAGNAVOX products are made for people who judge Radio equipment as expertly as the engineer judges a locomotive or a musician a violin.

To answer such requirements, the Magnavox Power Amplifier was developed for use with the Magnavox Radio, the Reproducer Supreme.

Under present conditions, the combination of Magnavox Reproducer and Power Amplifier represents the last refinement in Radio reception—a demonstration at your dealer's is the convincing proof.

### R2-18 Magnavox Radio (With 18-inch horn)

This instrument is intended for those who wish the utmost in amplifying power; for clubs, hotels, dance halls, large audiences, etc. It requires only .6 of an ampere for the field.

Price \$60.00

### R3-14 Magnavox Radio (With 14-inch horn) As illustrated

The ideal instrument for use in homes, offices, amateur stations, etc. Same in principle and construction as Type R-2.

Price \$35.00

### AC Magnavox Power Amplifier As illustrated

For use with the Magnavox Radio and insures getting the largest possible power input.

2-stage, \$55.00

3-stage, \$75.00

Magnavox Reproducers and Power Amplifiers can be used with any receiving set of good quality. Without Magnavox, no receiving set is complete.



## On the Veranda of the Country Club

WHERE Radio apparatus, like a professional entertainer, must meet the test of satisfying really discriminating people, Magnavox is certain to be installed.

The first requisites—tone clearness, pitch and quality—are fulfilled by the Magnavox Reproducer; the addition of a Magnavox Power Amplifier supplies the other requisite, volume.

Magnavox Products can be had from good dealers everywhere. Our interesting new booklet will be sent on request.

The Magnavox Co., Oakland, California  
New York: 370 Seventh Avenue



# MAGNAVOX Radio The Reproducer Supreme



## Both Designed by Kennedy Engineers

**K**ENNEDY Regenerative Radio Receivers and Amplifiers were designed by the men who planned such famous radio stations as Bordeaux, Annapolis, San Diego, Arlington and numerous others.

The combined genius of these radio engineers was concentrated on the problem of creating the finest radio receiving sets and amplifiers possible to produce for general use.

They incorporated in every Kennedy receiver the principle of variable inductively coupled circuits, the best method known to insure a high degree of selectivity and freedom from interference.

They designed every element in the assembly—the inductances, variometer, vario-coupler, condensers, etc.—not only in accordance with the most advanced developments, but also to perfectly harmonize in operation. This feature of “balanced design” in Kennedy sets makes for closer tuning, absence of extraneous noises, and assures satisfactory reception.

### Three Types

There are three types of Kennedy Receiving Sets. *First*, Type 281 (shown above) specially designed for broadcasting wave lengths. *Second*, the Intermediate, for wave lengths of 200 to 3,200 meters. *Third*, the Universal, an all-wave set.

All Kennedy Regenerative Receivers are licensed under Armstrong U. S. Patent No. 1,113,149.

*Write for descriptive literature and prices*

THE COLIN B. KENNEDY COMPANY

SAN FRANCISCO

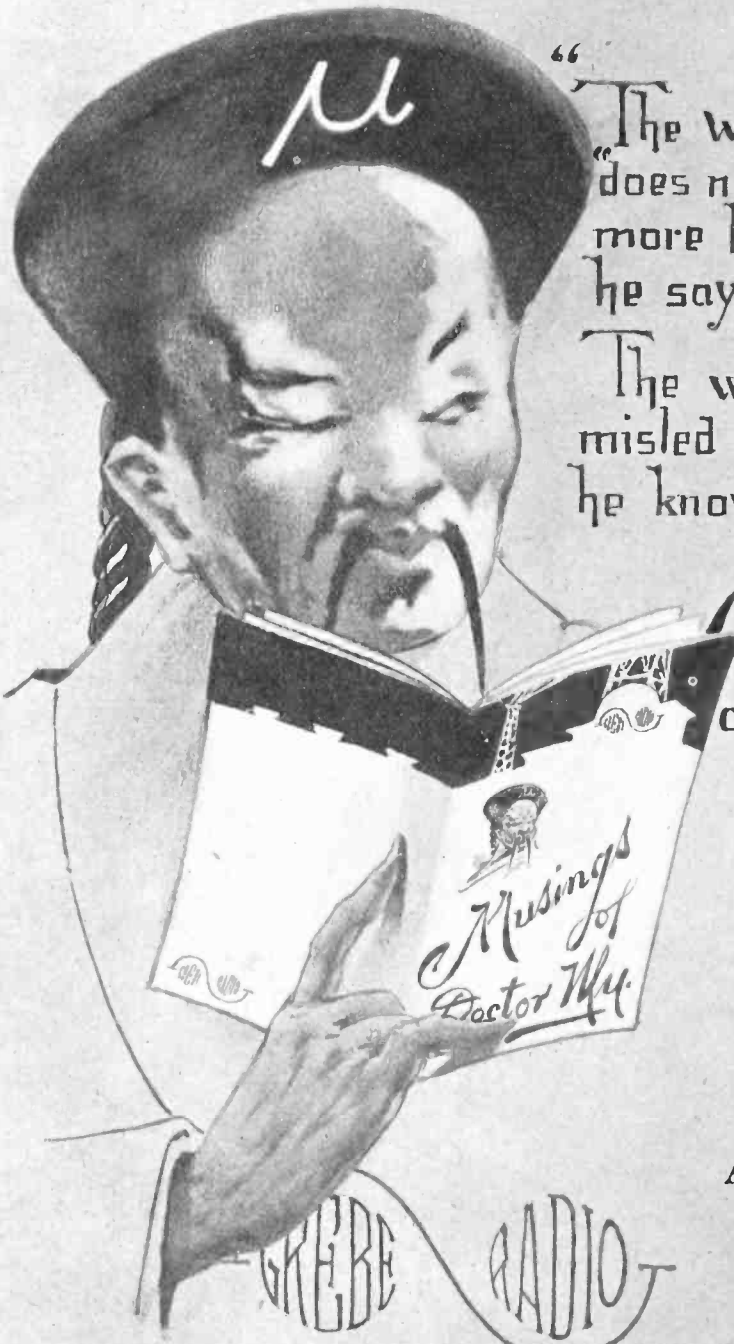
SAINT LOUIS

# K E N N E D Y



*Tell 'Em You Saw It in the Citizens Radio Call Book*





“The wise man,” said Confucius, “does not esteem a person more highly, because of what he says. -”

The wise radioist is not misled by extravagant claims, he knows that only a

**Grebe Receiver**  
can come up to his expectations.

*Doctor Mu.*

A. H. GREBE & CO., Inc.  
Richmond Hill, N. Y.

Western Branch  
451 East 3rd Street, Los Angeles, Cal.



Write for  
“Musings of  
Dr. Mu.”

Licensed under Armstrong  
U. S. Pat. No. 1113149

# Telephone Broadcasting Stations For the United States

**KAO**—Y. M. C. A., Denver, Colo.  
**KDBZ**—Frank Siefert, Bakersfield, Calif. Daily ex Sun, 7:30-8:15 pm, reports, music. Sun, sacred program, irregular.  
**KDKA**—Westinghouse Elec. & Mfg. Co., E. Pittsburgh, Pa. Daily ex Sun, 10-10:15 am, 12:30-1 pm, music; 3:00, sports; 7:00-9, news, features, markets, entertainments; 9-9:55, concert; 9:55-10 pm, time. Sun, 10:45 am, church service; 2:45 pm, Bible story; 3 pm, 7:30, church service.  
**KDN**—Leo J. Meyberg Co., San Francisco, Calif. Daily 1-2 pm, 8:30-9, 4:30-5:30, 7-7:15, music, reports, concert.  
**KDPM**—Westinghouse Elec. & Mfg. Co., Cleveland, O.  
**KDPT**—Southern Elec. Co., San Diego, Calif. Daily 7:30-9 pm, news, weather, concerts, lecture.  
**KDYL**—Salt Lake Telegram, Salt Lake City, Utah. Daily ex Sun, 7-8 pm, news, music, entertainment.  
**KDYM**—Savoy Theater, San Diego, Calif.  
**KDYO**—Carlson & Simpson, San Diego, Calif.  
**KDYO**—Oregon Inst. of Technology, Portland, Ore.  
**KDYR**—Pasadena Star-News Pub. Co., Pasadena, Calif.  
**KDYS**—Great Falls Tribune, Great Falls, Mont. Daily 12 m, weather, time. Daily ex Tues, 8-10 pm, concert etc. Sun, 4 pm, church services.  
**KDYV**—Cope & Cornwell Co., Salt Lake City, Utah.  
**KDYW**—Smith Hughes & Co., Phoenix, Ariz. Daily ex Sat, 7-7:30 pm.  
**KDYX**—Honolulu Star-Bulletin Co. Ltd., Honolulu, T. H., Hawaii. Daily ex Sun, 12:15-1:15 pm, reports; 6:30-7:30 pm, entertainment, music, talks. Sun, 11 am-12:15 pm, 5-6 church services.  
**KDZA**—Arizona Daily Star, Tucson, Ariz.  
**KDZB**—Frank E. Siefert, Bakersfield, Calif.  
**KDZE**—The Rhodes Co., Seattle, Wash. Daily ex Sun, 10:30-11 am, 3:30-4:30 pm, news, music. Mon, Fri, 7-8 pm, concert. Wed, 8-9 pm, concert.  
**KDZF**—Automobile Club of Southern California, Los Angeles, Calif.  
**KDZG**—Cyrus Pierce & Co., San Francisco, Calif.  
**KDZH**—The Herald-Buford Co., Fresno, Calif. Daily ex Sun, 8:15 am, 4-6 pm, news, reports. Daily ex Tues, Fri, 7-8 pm, reports, music. Tues, Fri, 8-9 pm.  
**KDZI**—Seattle Radio Assn., Seattle, Wash.  
**KDZK**—Nev. Mch. & Elec. Co., Reno, Nev. Wed, Fri, Sat, Sun, 8-9 pm, music, entertainment.  
**KDZL**—Rocky Mountain Radio Corp., Ogden, Utah.  
**KDZM**—Hollingsworth Hdw. & Radio Supply Store, Centralia, Wash. Daily ex Sat & Sun, 8-9 pm, music.  
**KDZP**—Newberry Elec. Corp., Los Angeles, Calif.  
**KDZQ**—Wm. D. Pyle, Denver, Colo. Daily ex Sun, 6:45-7:15 pm, news; 9-10 pm, concert.  
**KDZR**—The Bellingham Pub. Co., Bellingham, Wash. Daily ex Sun, 7-8 pm, 8:30-9, music, news, codes, reports. Sun, 7-8 pm, music.  
**KDZT**—Seattle Radio Assn., Seattle, Wash.  
**KDZV**—Cope & Cornwell Co., Salt Lake City, Utah.  
**KDZW**—Claude W. Gerdes, San Francisco, Calif.  
**KDZZ**—Kinney Bros. & Seppel, Everett, Wash. Daily ex Sun, 2:30-3:30 pm, 4:30-5:30, 8:15-9:15.  
**KFAC**—Daily Press, Glendale, Calif. Daily ex Sun, 4:15-5:15 pm, news, etc. Mon, Wed, Fri, 7-8 pm, concert.  
**KFAD**—Phoenix, Ariz. Mon, Wed, Fri, 8-9:15 pm, concert, weather, stocks, markets. Sun, morning, church service.  
**KFAE**—State College of Wash., Pullman, Wash.  
**KFAF**—Western Radio Corp., Denver, Colo. Daily ex Thurs & Sun, 8-9 pm music, reports, news.  
**KFAJ**—Univ. of Colo., Boulder, Colo. No definite schedule. Univ. activities.  
**KFAN**—The Electric Shop, Moscow, Ida. Tues, Thurs, Sat, 7:30-8:30 pm, music, reports. Sun, church services.  
**KFAP**—Standard Pub. Co., Butte, Mont.  
**KFAQ**—City of San Jose, San Jose, Calif.

**KFAR**—Studio Lighting Service Co., Hollywood, Calif.  
**KFAS**—Reno Motor Supply Co., Reno, Nev. Mon, Tues, Thurs, 8-9 pm, music.  
**KFAT**—Pac. Radio Co., Eugene, Ore. Tues, Thurs, Sat, 7-8 pm music. Sun, 8:45-9:15 pm, church service.  
**KFAU**—Boise H. S., Boise, Ida. Mon, Wed, Fri, 9:30-10 am, 2:30-3:00 pm, reports, news; 8:15-9 pm, concert. Tues, Thurs, Sat, 9:30-10 am, 2:30-3:00 pm, reports, news; 7:45-8:15, concert.  
**KFAV**—Abbot-Kinney Co., Venice, Calif. Mon, Tues, Wed, Fri, 8:30-9:30 pm, music.  
**KFAW**—Radio Den, Santa Ana, Calif. Daily ex Sun, 4-4:30 pm, news, reports, music. Mon, Thurs, 8-9 pm, concert.  
**KFAY**—Virgin Radio Service, Medford, Ore. Mon, Fri, 9-10 pm, Wed, 9-12 pm. Special programs other days.  
**KFBA**—Ramey & Bryant Radio Co., Lewiston, Idaho.  
**KFBB**—F. A. Buttrey Co., Havre, Mont. Daily ex Sun, 9:30 am, agriograms, weather. Tues, Fri, 8-9:30 pm, music.  
**KFBC**—W. K. Azbill, San Diego, Calif. Thurs, Bible lesson. Sun, Sat, lectures.  
**KFBD**—Clarence V. Welch, Hanford, Calif. Mon, Wed, 3-4 pm, 7:30-8:30, news, music, agriograms. Tues, Thurs, Sat, 6-7 pm, music. Fri, 3-4 pm, 9-10, news, music. Sun, 7-8 pm, church services.  
**KFBE**—R. H. Horn, San Luis Obispo, Calif. Daily ex Sun, 4-5 pm, 7-8.  
**KFBG**—First Presbyterian Church, Tacoma, Wash.  
**KFBH**—Thomas Musical Co., Marshfield, Ore.  
**KFBJ**—Jenkins Furniture Co., Boise, Ida. Daily ex Sun, 8-9 pm.  
**KFBK**—Kimball-Upson Co., Sacramento, Calif. Daily ex Sun, 3-4 pm, 6-6:30, concert, news. Sun, 8-9 pm, church service.  
**KFBL**—Leese Bros., Everett, Wash.  
**KFBM**—Cook & Foster Hdw. Co., Astoria, Ore.  
**KFBN**—Borch Radio Corp., Oakland, Calif.  
**KFBQ**—Savage Elec. Co., Prescott, Ariz.  
**KFBS**—Chronicle News & Gas & Elec. Supply Co., Trinidad, Colo.  
**KFBU**—Bishop N. S. Thomas, Laramie, Wyo.  
**KFBV**—Clarence O. Ford, Colorado Springs, Colo.  
**KFC**—Northern Radio & Electric Co., Seattle, Wash. Daily, eight hours, miscellaneous.  
**KFCB**—Nielsen Radio Supply Co., Phoenix, Ariz. Mon, Wed, Fri, 8-9 pm, music. Tues, 8-10, sports.  
**KFCC**—Auto Supply Co., Wallace, Ida. Daily, 7:30-8:30.  
**KFCD**—F. S. Barton, Salem, Ore. Daily ex Sun, 12-1 pm, 8-9, music, news. Sun, 3-4 pm, church service.  
**KFCF**—Frank A. Moore, Walla Walla, Wash.  
**KFCH**—Electric Service Station, Inc., Billings, Mont. Daily, 7:30-9 pm, music.  
**KFKC**—Colorado Springs Radio Co., Colorado Springs, Colo.  
**KKFL**—Los Angeles Union Stock  
**KKFCP**—Ralph W. Flygare, Ogden, Utah.  
**KKFCQ**—Motor Service Stn., Casper, Wyo.  
**KKFCV**—Fred Mahaffey, Jr., Houston, Tex.  
**KKFCY**—Western Union College, Le Mars, Iowa.  
**KKFCZ**—Omaha Central High School, 20th and Dodge Sts., Omaha, Neb.  
**KFDA**—Adler's Music Store, Baker, Ore.  
**KFDB**—Mercantile Trust Co., San Francisco, Calif.  
**KFDC**—E. B. Craney, Spokane, Wash. Daily ex Sat, Sun, 6-7 pm, music. Sat, 8-10 pm. Sun, 4-5 pm.  
**KFDD**—St. Michael's Cathedral, Boise, Idaho. Sun, 11:15-12:30 pm, 8-9:15, church services.  
**KFDF**—Wyo. Radio Corp., Casper, Wyo.  
**KFDH**—Univ. of Ariz., Tucson, Ariz.  
**KFDJ**—Oregon Agri. College, Corvallis, Ore.  
**KFDL**—Knight-Campbell Music Co., Denver, Colo.  
**KFDP**—Hawkeye Radio & Supply Co., 505-8th St., Des Moines, Iowa.  
**KFDR**—Bullock's Hardware & Sporting Goods Store, 618 Lincoln St., York, Neb.

**KFDS**—John D. McKee, San Francisco, Calif.  
**KFDU**—Nebraska Radio Electric Co., 2701 "O" St., Lincoln, Neb.  
**KFEB**—City of Taft, Taft, Calif.  
**KFEC**—Meier & Frank Co., Inc., Portland, Ore. Daily ex Sun, 4-5 pm, music. Thurs, Sat, 9-10 pm, concert.  
**KFED**—Billings Polytechnic Institute, Polytechnic, Mont. Mon, 8-9 pm, lectures.  
**KFEJ**—Guy Greason, Tacoma, Wash.  
**KFEL**—Winner Radio Corporation, Denver, Colo.  
**KFEG**—J. L. Scroggin, Oak, Neb.  
**KFER**—Auto Electric Service Co., 610 First Ave. S., Fort Dodge, Iowa.  
**KFFA**—Dr. R. C. Shelton, San Diego, Calif.  
**KFFB**—Jenkins Furniture Co., Boise, Idaho.  
**KFFE**—Eastern Oregon Radio Co., Pendleton, Ore. Daily, 7:30-8 pm, music.  
**KFFJ**—Marksheffel Motor Co., Cascade Ave., Colorado Springs, Colo.  
**KFFG**—Lewenthal Brothers, 616 Main St., Pueblo, Colo.  
**KFFH**—Astoria Budget, Astoria, Ore.  
**KFFI**—Leland Stanford Junior University, Stanford Univ., Calif.  
**KFFJ**—Earle C. Anthony, Inc., Los Angeles, Calif. Daily ex Sun, 1-1:30 pm. Daily ex Mon & Fri, 7:40-8:20 pm. Tues, Sat, 2-3 pm. Sun, 10:45-11 am, 4-5 pm, 7:40-8:20.  
**KFV**—Foster-Bradbury Radio Store, Yakima, Wash. Daily ex Sun, 3-4 pm. Mon, Wed, Fri, 8-9 pm.  
**KFZ**—Doerr Mitchell Elec. Co., Spokane, Wash. Tues, Wed, Fri, Sat, 7-8:30 pm, music, etc.  
**KGA**—The Oakland Tribune, Oakland, Calif. Portable.  
**KGB**—Tacoma Daily Ledger-William A. Mullens Elec. Co., Tacoma, Wash. Daily ex Sun, 7-9 pm. Sun, 5-7:30 pm. Entertainment, news, weather.  
**KGG**—Hallock & Watson Radio Service, Portland, Ore. Daily ex Sun, 5-6 pm, music, entertainment; 7:30-8 pm, reports. Sun, 9-10, music.  
**KGN**—Northwestern Radio Mfg. Co., Portland, Ore.  
**KGO**—Altadena Radio Lab., Altadena, Calif. Mon, Wed, Fri, 5:15-6 pm, reports, code lessons, agriograms. Tues, Thurs, 7:40-8:20 pm, concerts. Sat, 7:40-9 pm, concert. Sun, 2-3 pm, church service.  
**KGU**—The Honolulu Advertiser, Honolulu, Hawaii. Daily, 7:30-9 pm. Tues, Thurs, Sat, special program.  
**KGW**—Ship Owners Radio Service, Inc., Portland, Ore. Daily, 3:30-4:30 pm, news, etc. Mon, 7:30-8:30 pm, concert. Wed, 8-10 pm, concert. Fri, 8-9 pm, concert. Sun, 7-8 pm, church service.  
**KGY**—St. Martins College, Lacey, Wash. Tues, Fri, Sun, 8:30-9:30 pm, news, concert, bedtime story.  
**KHD**—Colorado Springs, Colo. Daily ex Sun, 8:15 am, weather. Daily ex Sun, Mon, 7-7:30 pm, music.  
**KHJ**—Los Angeles Times, Los Angeles, Calif. Daily ex Sun, 12:30-1:15 pm, 7-7:30, 8-9:30. Sun, 10-11 am.  
**KHQ**—Louis Wasmer, Seattle, Wash.  
**KJJ**—Radio Shop, Sunnyvale, Calif. Tues, 8-15-9 pm. Fri, 7:30-8:15 pm.  
**KJK**—C. O. Gould, Stockton, Calif. Daily ex Sun, 5-9 pm, Wed, 9 pm. Sun, 10 am.  
**KJR**—Northwest Radio Service Co., Seattle, Wash. Daily ex Sun, 8-9 pm, miscellaneous.  
**KJS**—Bible Inst. of Los Angeles, Los Angeles, Calif. Tues, Wed, 12-12:30 pm, sacred music, lecture. Sun, 11:30-12:30 pm, sacred music, sermon.  
**KLB**—J. J. Dunn Co., Pasadena, Calif. Mon and Fri, 7:30-8:15 pm, concert. Sun, 3-4 pm and 8-9, concert.  
**KLN**—Monterey Elec. Shop, Del Monte, Calif. Daily, 12-1 pm, weather, markets, news; 7-8 pm, concert.  
**KLP**—Colin B. Kennedy Corp., San Francisco, Calif. Mon, 7:30-8:30 pm. Thurs, 8:30-9 pm. Sun, 4-5 pm.  
**KLS**—Warner Bros. Radio Supply Co., San Francisco, Calif. Daily, 12-1 pm. Sat 7:30-8:15 pm.  
**KLX**—Oakland Tribune, Oakland, Calif. Daily ex Sun, 7:15-7:30 pm, news, entertainment. Tues, 7:30-8:15 pm, Fri, 8:15-9 pm, and Sun, 3-4 pm, concert.  
**KLZ**—Reynolds Radio Co., Denver, Colo. Daily ex Sun, 7:30 pm on, news, markets, bedtime story, concert. Sun, 8-9 pm, church service.

**KMC**—W. W. Lindsay, Jr., Reedley, Calif. Mon, Wed, Fri, 8:30-9 pm, concert.  
**KMJ**—San Joaquin Lt. & Pr. Corp., Fresno, Calif. Tues, Fri, 7-8 pm, music. Sun, 5-6 pm, music.  
**KMO**—Tacoma Times, Tacoma, Wash. Daily ex Sun, 11-11 pm, 6-7, 9:15-10, concert, news, lecture.  
**KNI**—T. W. Smith, Eureka, Calif.  
**KNJ**—Roswell Public Service Co., Roswell, Nev. Mex. Daily, 8 pm, news, reports, concerts.  
**KNN**—Butlock's, Los Angeles, Calif. Mon, 2:30-3:30 pm. Wed, 2:15-3 pm. Thurs, 4-5 pm.  
**KNT**—Grays Harbor Radio Co., Aberdeen, Wash. Daily, 5-5:30 pm, 7:30-8:15, news, concert.  
**KNV**—Radio Supply Co., Los Angeles, Calif.  
**KOB**—N. M. College Agri. & Mech. Arts, State College, N. M. Daily ex Sun, 11:55-12 m, reports. Mon, Wed, Fri, 7:30-8:30 pm, concert.  
**KOG**—Western Radio Elec. Co., Los Angeles, Calif. Daily ex Sun, Wed, 5-5:30 pm, code, news. Mon, Fri, 7:40-8:20 pm, music. Wed, 4:30-5 pm, code; 8:20-9 pm, music.  
**KON**—Holzwasser, Inc., San Diego, Calif. Daily ex Sun, 4-5 pm and 8:15-9, concert, news. Sun, 10-11 am, 4-5 pm and 8:15-9, church service.  
**KOP**—Detroit Police Dept., Detroit, Mich.  
**KPO**—Hale Bros., Inc., San Francisco, Calif. Daily ex Sun, 11-12 m, 3:30-4:30 pm, concert. Wed, 7:30-8:15 pm, concert. Sun, 11-12:15 pm, church service.  
**KQI**—Univ. of Calif., Berkeley, Calif.  
**KQP**—Hood River News, Hood River, Ore. Daily ex Sat, Sun, 7 pm, news. Tues, Fri, Sun, 8:30-9:30, entertainment.  
**KQV**—Doubleday-Hill Elec. Co., Pittsburgh, Pa. Daily ex Sun, 12-12:30 pm, 2:30-3, music, lectures. Mon, Wed, Fri, 10-11 pm, music, entertainment.  
**KQW**—Chas. D. Herrold, San Jose, Calif. Daily ex Sun, 1-1:30 pm. Wed, 8:15-9 pm, concert.  
**KQY**—Stubbs Elec. Co., Portland, Ore. Daily, 1-2 pm, 6-7.  
**KRE**—Maxwell Elec. Co., Berkeley, Calif. Every other Sat, 8:15-9 pm. Sun, 1-2 pm, 6-7.  
**KSD**—St. Louis Post-Dispatch, St. Louis, Mo. Daily ex Sun, 9:40 am, 10:40, 11:40, 12:40 pm, 1:40, 2:40, 4, 8, Sun, 8:15 pm.  
**KSL**—The Emporium, San Francisco, Calif. Daily ex Sun, 10-11 am, concert, news; 2-3 pm, concert, educational talk. Sun, 2-3 pm, concert and educational talk.  
**KSS**—Prest & Dean Radio Co., Long Beach, Calif.  
**KTW**—First Presbyterian Church, Seattle, Wash. Sun, 11-12:30 pm, 3-4:30, 7-9:30, church service.  
**KUO**—San Fran. Examiner, San Francisco, Calif. Daily ex Sun, 9-10 am, concert, chat to housewives; 11-12, reports; 3-3:30 pm, lecture, news; 5:30-6:45 pm, concert; 9 am, 12 m, 6:45 pm, weather report. Wed, 3:30 pm, health bulletins. Sun, 9-10 am, concert; 5-6 pm, concert, news.  
**KUS**—City Dye Works & Laundry Co., Los Angeles, Calif.  
**KUY**—Coast Radio Co., El Monte, Calif. Daily ex Sun, Sat, 4-4:45 pm. Mon, Thu, 8:20-9 pm. Sat, 3-4 pm.  
**KVQ**—Sacramento Bee, Sacramento, Calif. Daily ex Sun, 6:30-7:30 pm, news, reports, music. Sun, 6-7 pm, reports, music.  
**KWG**—Portable Wireless Telephone Co., Stockton, Calif. Daily ex Sun, 4-5 pm, news, concert, markets. Tues and Fri, 8-9 pm, concert. Sun, 2-3 pm, concert.  
**KWH**—Examiner, Los Angeles, Calif. Daily ex Sun, 1:30-1:40 pm, 5:30-6, 6-6:15, 8:20-9, reports, entertainment. Sun, 8-9:30 pm, church service.  
**KXD**—Herald Pub. Co., Modesto, Calif.  
**KXS**—Braun Corp., Los Angeles, Calif.  
**KYF**—Thearle Music Co., San Diego, Calif.  
**KYG**—Radio Service Bureau, Portland, Ore.  
**KYI**—Bakersfield Californian, Bakersfield, Calif.  
**KYJ**—Leo J. Meyberg Co., Los Angeles, Calif. Daily ex Sun, 4-5 pm, concert, markets, weather, news. Mon, Thurs, Sat, 8-9 pm, same program.  
**KYQ**—Electric Shop, Honolulu, Hawaii.  
**KYW**—Westinghouse Elec. & Mfg. Co.



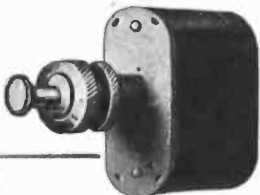
Demand the C-H trademark —it is your guarantee of satisfaction.

## The Mark of the Master Builder

One of the first things any dealer will point out in showing you a genuine Cutler-Hammer Radio Rheostat is the famous C-H trade-mark engraved in the satin-nickel body.

As a practical electrical man, the dealer knows the protection this trade-mark gives the buyer—he knows that “radio rheostats built by rheostat builders” means perfection as the result of years of experience, not hasty design to meet a sudden demand.

For more than a quarter of a century the engineers of Cutler-Hammer have been the aggressive pioneers in the development of rheostatic control, and their signature of approval—the C-H trade-mark—is known and respected in every industry the world over.



The C-H Radio Panel Battery Switch

Protects both batteries and tubes. Has a dozen uses on any panel. Easily mounted—only a single hole required—no screws or plate. Makes it possible to interrupt reception temporarily without disturbing tuning of set.

The dealer is proud to show, as representative of his stock, these rheostats of recognized and guaranteed quality, and he recommends them with full confidence, knowing that they were designed by specialists to give you unflinching satisfaction.

**The Cutler-Hammer Mfg. Co.**  
Milwaukee, Wisconsin

Member Radio Section, Associated Manufacturers of Electrical Supplies.

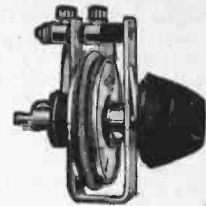
OVER A QUARTER MILLION C-H RADIO RHEOSTATS IN USE

# CUTLER-HAMMER

Tell 'Em You Saw It in the Citizens Radio Call Book



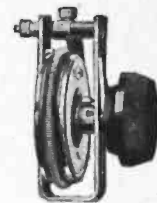
### Radio Rheostats Built by Rheostat Builders



The C-H Vernier Rheostat

For perfect detector tube control—standard 5-volt or WD11 tubes. Panel mounting, pointer indicating. Finished in satin nickel and ebony black.

Type 11601-H1 .....\$1.50



The C-H Radio 4 Ohm Rheostat

For control of the standard 5-volt, 1 ampere amplifier or WD11 tubes. Large number of small turns of resistor gives accurate operation. Positive travel stops. “Full on” and “full off” positions.

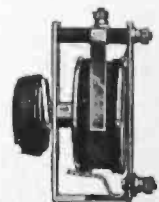
Type 11601-H2 .....\$1.00



The C-H Radio 30 Ohm Rheostat

For control of the new 5-volt, ¼-ampere amplifier tubes (UV 201-A and C-301-A type). Finished like the entire C-H line in satin nickel with knobs of genuine Thermoplas. Panel mounting, pointer indicating.

Type 11601-H9 .....\$1.50



The C-H Radio “A” Battery Potentiometer

Matches exactly in construction and performance the famous C-H rheostats. Improves reception through the precise control of the plate potential. Resistance, 300 ohms

Type 11602 .....\$1.50



# Telephone Broadcasting Stations for the United States—Continued

Chicago, Ill. Daily ex Sun, 9:25 am, 10:120 pm, 2:15, 2:30, markets; 3 (3:30 ex Mon, Wed, Fri), 4, 4:15, 4:30, 5, news, sports, (6:30 Mon only, news, reports, sports), 6:50, bedtime stories; 8-9, music; 9, news, sports; 9:05, special. Sun, 3:30 pm, chapel.

KYY—The Radio Telephone Shop, San Francisco, Calif.

KZC—Public Market & Department Stores Co., Seattle, Wash. Daily ex Sun, 6:45-7:15 pm, music, news, agriograms.

KZM—Western Radio Institute, Oakland, Calif. Daily ex Sun, 6:45-7 pm, news.

KZN—Desert News, Salt Lake City, Utah. Daily ex Sun, 3-4 pm, reports, music; 8:30 pm, music, news, bedtime stories, etc.

KZV—Wenatchee Battery & Motor Co., Wenatchee, Wash.

KZY—Atlantic-Pacific Radio Supplies Co., San Francisco, Calif.

WAI—McCook Field, U. S. Army, Dayton, O.

WAAB—Valdemar Jensen, New Orleans, La.

WAAC—Tulane Univ., New Orleans, La.

WAAD—Ohio Mechanics Inst., Cincinnati, O. Fri, 2:30-4:30 pm, and Sat, 8:15-10:15 pm, Cincinnati Symph. Orchestra concert.

WAAP—Chd. Daily Drivers Journal, Chicago, Ill. Daily ex Sat & Sun, 8:30 am, 10:30, 10:45, 12:30 pm, 3, 4:30, stock reports.

WAAS—Commonwealth Elec. Co., St. Paul, Minn. Mon, Fri, 12:15-1 pm, pipe organ concert. Mon, 8:45-9:30 pm, entertainment. Tues, 8-9:30 pm, entertainment. Wed, 1:15-2 pm, pipe organ. Sun, 3:30-4:30 pm.

WAAJ—Sullivan Pond Creek Co., Shock, Ky.

WAAK—Eastern Radio Inst., Boston, Mass. Mon, Wed, Fri, 9-10 pm, music.

WAAK—Gimbel Bros., Milwaukee, Wis. Daily ex Sun, 10 am, 11:10, 12:10 pm, 1:25, 3. Daily ex Wed and Sat, 7:15, 7:30 pm.

WAAL—Beams Electric Co., 4029 13th Ave., Minneapolis, Minn.

WAAM—I. R. Nelson Co., Newark, N. J. Daily ex Sun, 11-11:55 am, 3-4 pm, music. Wed, 8-9 pm, special program.

WAAN—Univ. of Mo., Columbia, Mo.

WAAP—United Elec. Co., Wichita, Kan. Daily, 12-1:30 pm, music, news; 5, weather; 7:15-7:30, sports, markets; 9:45-12, talks, music, and code on C. W.; 10:30, weather. Tues, Fri, 8 pm on concert, etc.

WAAR—New England Motor Sales Co., Greenwich, Conn. Daily ex Sun, 9:30 am-5:30 pm, every half hr.

WAAS—Groves-Thornton Hdw. Co., Huntington, W. Va.

WAAS—Georgia Radio Co., Decatur, Ga.

WAAT—Jersey Review, Jersey City, N. J. Wed, 7-8 pm, concert. lecture. Sun, 7-8, church service, concert.

WAAW—Omaha Grain Exchange, Omaha, Neb. Daily ex Sun, 9:45, 10:45, 11:45, 12:45, 1:20, 8 pm, market reports; 8:15-9 pm, music.

WAAZ—Radio Service Corp., Crafton, Pa.

WAAZ—Yohrling Rayner Music Co., Youngstown, O. Daily ex Sun, 5:30 pm, reports; 8:15-9 pm, music.

WAAZ—Hollister-Miller Motor Co., Emporia, Kans. Daily ex Sun, 7-8 pm, weather, entertainment.

WAH—The Midland Refining Co., Eldorado, Kans. Daily ex Sat, 10:30 am, 1:30 pm, markets, weather. Sat, 1 pm, same.

WAJT—Kelly-Vawter Jewelry Co., Marshall, Mo.

WAJU—Yankton College, Yankton, S. D.

WBAA—Purdue University, W. Lafayette, Ind. Fri, 7:15-7:30 pm, educational lecture.

WBAB—Syracuse Radio Tel. Co., Syracuse, N. Y. Mon, Wed, Sat, 7:30-9:30 pm, concert, agriograms, etc.

WBAD—Sterling Elec. Co., Minneapolis, Minn.

WBAF—Fred M. Middleton, Moorestown, N. J.

WBAF—Diamond St. Fibre Co., Bridgeport, Pa. Daily, 11:45-12 pm, markets, weather.

WBAH—The Dayton Co., Minneapolis, Minn. Daily ex Sun, 1-1:30 pm, 3-3:30, 5-5:30, 9:30-10. Sat, 11-11:30 am. Wed, 8-10 pm.

WBAJ—Marshall-Gerken Co., Toledo, O. Daily ex Sun, 12:05-2 pm, 8-7:30, news, music, reports. Tues, Thurs, Sat, 8-9 pm, concert.

WBAN—Wireless Phone Corporation, Paterson, N. J. Daily ex Sun, 9:15-9:45 am, 10:30-11, 1-1:15 pm, 3:15-2:30, 4:30-5:30, music. Sat, morn. only.

WBAO—James Millikin Univ., Decatur, Ill.

WBAP—Fort Worth Star Telegram, Fort Worth, Tex. Daily ex Sun, 9:45-10 am, 11-11:30 am, 3-3:30 pm, 3:45-4 pm. Daily ex Sat and Sun, 7:15-8 pm, 9:30-10:30 pm, news, reports, concerts.

WBAU—Republican Pub. Co., Hamilton, O.

WBAU—The Ernor Hopkins Co., Columbus, O. Daily ex Sun, 12:30-1 pm. Mon, 7-9 pm.

WBAW—Marietta College, Marietta, Ohio.

WBAX—John H. Stenger, Jr., Wilkes-Barre, Pa. Three nights of week, not regular.

WBAY—A. T. & T. Co., New York, N. Y. Daily, 11-12 am, 4:30-5:30 pm. Thurs, 7:30 pm on Eastern daylight saving.

WBL—T & H Radio Co., Anthony, Kans. Mon, Wed, Fri, 10-11 pm, concert, lecture. Sat, 11-12 pm, concert. Sun, 10 am, 4-5 pm, church service.

WBS—D. W. May, Inc., Newark, N. J. Mon, Wed, Thurs, 7:30-8:30 pm, reports, music. Sun, 9-10:30 am, 1-3 pm, church service.

WBT—Southern Radio Corp., Charlotte, N. C. Daily ex Sun, 11 am, reports; 8 pm, music. Sun, 7:30 pm, church service.

WBU—City of Chicago, Chicago, Ill.

WBZ—Westinghouse Elec. & Mfg. Co., Springfield, Mass. Daily ex Sun, 7:30 pm, children's hour; 7:45, markets, weather, lecture; 8-9, concert. Sun, 3 and 8, church service.

WCAB—Newburgh Daily News, Newburgh, N. Y. Daily ex Sun, 1 pm, 2, 3, 7. Mon, Fri, 10:30 pm.

WCAC—John Fink Jewelry Co., Fort Smith, Ark. Tests only.

WCAD—St. Lawrence Univ., Canton, N. Y.

WCAE—Kaufman & Baer Co., Pittsburgh, Pa.

WCAG—Clyde R. Randall, New Orleans, La. Daily ex Sun, 6:45-7 pm, news, time. Thurs, 8:30-10 pm, concert. Sun, 2-4 pm, music.

WCAH—Entekin Elec. Co., Columbus, O. Tues, Fri, 7-9 pm, music. Wed, Thurs, Sat, 7-8 pm, music. Sun, 10-12:30, church service.

WCAI—Southern Equipment Co., San Antonio, Tex.

WCAJ—Neb. Wesleyan Univ., Univ. Place, Neb. Daily ex Sun, 11 am, weather, news. Wed, 9 pm, music lecture.

WCAK—Alfred P. Daniel, Houston, Tex. Daily ex Sun, 7-7:15 pm, music. Wed, 8-9:15, concert. Sun, 3-4:30 pm, concert.

WCAL—St. Olaf College, Northfield, Minn. Thurs, 11 pm, music. Sun, 8:30 pm, music, concert, lecture.

WCAM—Villanova College, Villanova, Pa.

WCAO—Sanders & Stayman Co., Baltimore, Md. Daily ex Sun, 12-12:20 pm, 5-5:20. Mon, Wed, 7:30-8:30 pm.

WCAP—Central Radio Service, Decatur, Ill.

WCAQ—Tri-State Radio Mfg. Co., Deafance, O. Daily, 11:30-12:30 pm, 3 baseball; 6-6:30, baseball, concert; 8 special program.

WCAR—Alamo Radio Elec. Co., San Antonio, Tex. Mon, Thurs, Sat, 8:30-9:30 pm, concert. Sun, 11 am, church service.

WCAS—Wm. H. Dumwoody Industrial Inst., Minneapolis, Minn. Mon, 8-8:45 pm, music, lectures.

WCAT—S. D. State School of Mines, Rapid City, S. D. Daily ex Sun, 9:30 am, 12:30 m, 3 pm, weather, reports.

WCAU—Durham & Company, Inc., Philadelphia, Pa. Daily ex Sun, 11:30 am, 2:30 pm, 6:30, reports, music. Tues, Fri, 10-12 pm, concert. Sun, 2-4 pm, music.

WCAV—J. C. Dice Elec. Co., Little Rock, Ark.

WCAW—Quincy Elec. Sun. Co., Quincy, Ill. (Quincy Herald.) Daily ex Sun, 8:45 am, markets; 11, markets; 1 pm, markets; 5, music, baseball. Tues, Wed, Thurs, Sat, 8:30-9:45 pm, concert. Sun, 6:30-7:30 pm, religions.

WCAX—Univ. of Vt., Burlington, Vt.

WCAY—Kesselman-O'Driscoll Music House, Milwaukee, Wis. Daily ex Sun, 11 am, reports. Mon, Tues, Thurs, Fri, 8:30-9:30 pm, music. Sun, 7:30-8:30 pm, church service.

WCAZ—Robert E. Compton and Carthage College, 412 Wabash St., Carthage, Ill.

WCE—Findley Elec. Co., Minneapolis, Minn.

WCK—Sttz Baer & Fuller, St. Louis, Mo. Mon, Wed, Fri, 6:45-8 pm, concert, lecture, bedtime story.

WCM—Univ. of Tex., Austin, Tex.

WCN—Clark Univ., Worcester, Mass. Daily, 11-15 am, 5:15 pm, weather. Evening program irregular.

WCX—The Detroit Free Press, Detroit, Mich. Daily ex Sun, 10:35 am.

WCX Women's Club; 2 pm, news; 2:15, stock reports; 2:50, weather, markets; 4:15, markets, music. Daily ex Sat, 8:30-10 pm, week starting Dec. 11 and alternate weeks thereafter, concert; 7-8:30 pm, week starting Dec. 18 and alternate weeks thereafter, concert. Sun, 2:30 pm, 4 pm, church service.

WDAC—Illinois Watch Co., Springfield, Ill. Time and weather, spark only.

WDAD—Central Kansas Radio Supply Co., 119 E. Lincoln St., Lindsay, Kan.

WDAE—Tampa Daily Times, Tampa, Fla. Wed, Fri, 8-10 pm, music, lecture.

WDAF—Kansas City Star, Kansas City, Mo. Daily ex Sun, 3-4 pm, reports, music; 6-7, educational, bedtime story, etc. Mon, Wed, Fri, 8-10 pm, concert. Sun, 3:30-5:30 pm, music.

WDAG—J. Laurance Martin, Amarillo, Tex.

WDAH—Mine & Smelter Supply Co., El Paso, Tex. Daily ex Sun, 10 am, news, reports. Tues, Thurs, Sat, 7:30-8:30 pm, music.

WDAI—Hughes Radio Corp., Syracuse, N. Y. Daily ex Sun, 12 m, reports. Wed, Sat, evening concert.

WDAJ—A. & W. P. R. R. Co., College Park, Ga. Daily, 9-10 pm, concert, etc.

WDAL—Hartford Courant, Hartford, Conn. Daily ex Sun, 2:30 pm, 3:30, 4:30, 5:30, music; 7:40, bedtime story; 8:15, concert.

WDAL—Florida Times Union, Jacksonville, Fla. Daily, 11 am, time, weather, 3-3:15, 4:14:15. 5-5:15, 8-9:30, music; 10:05-10:20 pm, reports.

WDAO—Automotive El. Co., Dallas, Tex. Daily, 1, 7 pm.

WDAP—Chicago Board of Trade, Drake Hotel, Chicago, Ill. Daily ex Sat, 9:35 am, opening quotations Chicago Board of Trade; 10:01 am, 10:31 am, 11:01 am, 11:31 am, 12:01 pm, 12:31 pm, 1:01 pm, market quotations; 1:25 pm, closing quotations Chicago Board of Trade; 1:48 pm to 2:15 pm, musical matinee; 3:15 pm, closing quotations, Chicago Stock Exchange; 6 pm, Board of Trade Business Summary. Sat, same as daily ex 12:10 pm, closing quotations Chicago Board of Trade; 1:15 pm, closing quotations Chicago Stock Exchange; 6 pm, Board of Trade Business Summary. Concerts Tues and Thurs, 10 pm to 1 am. Sat, 10 pm to 2 am. Sun, 9 pm to 1 pm.

WDAQ—Hartman-Riker Elec. & Mach. Co., Brownsville, Pa. Daily ex Sun, 10:30-10:50 am, music; 12:50-1:10 pm, music, news, weather; 5:05-5:30, music. Tues, Thurs, Fri, 9:15-10 pm, concert. Sun, 5 pm, chapel.

WDAR—Lit Bros., Philadelphia, Pa.

WDAS—Samuel A. Walte, Worcester, Mass.

WDAU—A. H. Smith, New Bedford, Mass. Wed, Fri, 7:45-10 pm, music. Sun, 10:30-12 m, 5-6 pm, church services.

WDAV—Daily Phoenix, Muskogee, Okla.

WDAX—First Nat'l Bank, Centerville, Iowa. Daily ex Sun, 11:30 am, reports, news. Mon, Thurs, 7:30-9 pm.

WDAY—Fargo, N. D. Daily ex Sun, 12:15-12:30 pm, 7:30-8:15, reports, news, music.

WDM—Church of the Covenant, Washington, D. C. Sun, 10:30 am, church service; 3 pm, lecture; 7:30, church service.

WDT—Ship Owners Radio Service, New York, N. Y.

WDV—John O. Yetsar, Jr., Omaha, Neb. Daily, 7-8 pm, Tues, Sat, 12-1 am. Fri, 10-10:45 pm. Sun, 2-4 pm, music.

WDY—Radio Corp. of America, Roselle Park, N. J.

WDZ—James L. Bush, Tuscola, Ill. Daily ex Sun, every half hr., 8:30 am-12:15. Chicago Board of Trade quotations. Tues, Fri, 7-8 pm, concert, entertainment.

WEAA—Fallan & Lathrop, Flint, Mich.

WEAB—Standard Radio Equipment Co., Fort Dodge, Iowa. Daily ex Sun, markets every 30 min. from 9:40 am to 12:40 pm, 5:15 pm, 7-8 pm, music; 8:15, bedtime story; 9:45, weather. Wed, Sat, 10-11:15 pm, dance music. Sun, 10:30 am, 4:30 pm, 7:30 pm, church services.

WEAC—Baines Electric Service Co., Terre Haute, Ind. Daily ex Sun,

10:15 am, weather; 12-1 pm, 5-6, music.

WEAD—N. W. Kansas Radio Supply Co., Atwood, Kans. Daily ex Sun, 11-11:30 am, markets, music; 12, markets; 1:45 pm, markets; on half hour 3:15 to 5:45, news, sports. Tues, Wed, Thurs, Sat, 7:30-9, concert. Sun, 11 am, church service; 3 pm, sacred music; 7:30, church service.

WEAE—Polytechnic Inst., Blacksburg, Va.

WEAF—Western Elec. Co., New York City, N. Y. Daily ex Sun, 4:30-5:30 pm. Mon, Wed, Thurs, Sat, 7:30-10 pm. Tues, Fri, 7:30-8 pm.

WEAG—Nichols - Hinelein - Bassett Lab., Edgewood, R. I.

WEAH—Lander Radio Co., Wichita, Kans. Daily ex Sun, 9:40 am, 10:40, 11:40, 12:30 pm, 1:30, 3:15, reports. Wed, Sat, 8 pm, concert. Every third Sun, 8 pm, concert.

WEAI—Cornell Univ., Ithaca, N. Y.

WEAJ—Univ. of S. D., Vermillion, S. D. Mon, Wed, Fri, Sat, 7:30 pm, music, lectures.

WEAK—Julius B. Abercromble, St. Joseph, Mo. Thurs, 8-9:45 pm, concert.

WEAM—Borough of N. Plainfield, North Plainfield, N. J. Daily, 7:30-8 pm, music, police news, etc.

WEAN—The Shepard Co., Providence, R. I. Daily ex Sun, 3-5 pm, 6-8, music, bedtime stories. Mon, Wed, 8-10 pm, concert.

WEAO—Ohio State Univ., Columbus, Ohio.

WEAP—Mobile Radio Co., Mobile, Ala. Daily, 4-5 pm, 7-8:55.

WEAQ—Charleston Radio Electric Co., Charleston, S. C.

WEAR—News & American Pub. Co., Baltimore, Md. Daily ex Sun, 2-2:30 pm, 6:30-7, weather, music, news. Thurs, Sat, 7:30-9:30 pm.

WEAS—The Hecht Co., Washington, D. C. Daily ex Sun, 3-4 pm Wed, Fri, 7-8 pm.

WEAT—John J. Fogarty, Tampa, Fla.

WEAU—Davidson Bros. Co., Sioux City, Ia. Daily ex Sun, 9 am, 10, 11, 1 pm, reports, news. Mon, Wed, Fri, 8:30 pm, concert.

WEAV—Sheridan Elec. Service Co., Rushville, Neb. Wed, Fri, Sun, 8-9 pm, concert, news, etc.

WEAW—Arrow Radio Lab., Anderson, Ind. Mon, Wed, Fri, 7:30-8:30 pm, concert, news, etc.

WEAX—T. J. M. Daly, Little Rock, Ark.

WEAY—Wjll Horwitz, Jr., Houston, Tex.

WEB—The Benwood Co., Inc., St. Louis, Mo. Daily ex Sun 9-9:40 am, 12:12-45 pm, 3-4. Wed, 7-9 pm.

WEH—Midland Refining Co., Tulsa, Okla.

WEV—Hurlburt-Still Elec. Co., Houston, Tex. Daily ex Sun, 10 am, 5:30 pm, weather, roads. Tues, Thurs, 8 pm, concert.

WEW—St. Louis Univ., St. Louis, Mo. Daily ex Sun, 9 am, 10, 2 pm, reports.

WEY—Cosrado Co., Wichita, Kans. Daily ex Sun, hourly, 8:40 am-12:40 pm, stock markets. Daily, 10:45 am and 4:30 pm, weather; 8-10 pm, sports, concert, lecture; 10:45, weather. Sun, 8:10 pm, church service, concert.

WFAC—Dallas News and Dallas Journal, Dallas, Tex. Daily, 10:15 am, reports; 12:30-1 pm, address; 6:45-7, bedtime story; 8:30-9, music. Tues, Thurs, Sat, 11-12 pm, music.

WFAB—C. F. Woese, Syracuse, N. Y.

WFAC—Superior Radio Co., Superior, Wis. Daily, 7-7:45 pm, news.

WFAD—Watson Weldon Motor Supply Co., Salina, Kans. Daily ex Sun, 8:45 am, 9:45, 10:45, 11:45, 1:30 pm, reports. Tues, Thurs, Fri, 8 pm, concert. Sun, 11 am, church service; 8 pm, concert.

WFAF—H. C. Spratley Radio Co., Poughkeepsie, N. Y. Daily ex Sun, 10-10:30 am, 11:30-11:45, 1:30-2 pm, 4-4:15. Tues, Thurs, Sat, 8:15 pm, feature program.

WFAG—Radio Engineering Lab., Waterford, N. Y. Wed, Sat, 7:45-10 pm, concert. Sun, 2-4 pm, church service.

WFAH—Elec. Supply Co., Port Arthur, Tex.

WFAJ—Hi-Grade Wireless Instrument Co., Asheville, N. C.

WFAM—Granite City Elec. Co., St. Cloud, Minn. Daily ex Sun, 3:30-4:00 pm, markets; 7:30-9, entertainment.

WFAN—Hutchinson Elec. Service Co., Hutchinson, Minn. Daily ex Sun, 1 pm, markets, etc.

WFAQ—Cameron Radio Co., Cameron, Mo.

WFAS—United Radio Corp., Fort Wayne, Ind.

# Kellogg Radio Equipment for Better Results

## HEAD SETS



No. 69A

The value of extremely light and very small head sets in Radio receiving is most evident when using Kellogg head receivers, which, however, have proved as sensitive and thoroughly efficient as they are light in weight and small in size. The band, too, is especially adaptable and the simple receiver holders, which are held in place on the lower part of the head band by the spring tension of the metal can be instantly adjusted so as to place the receivers over the ears for the best hearing.

- No. 69A Head Set 2400 ohms.....each, \$10.00
- No. 74A Head Set 1000 ohms, single.....each, 5.00

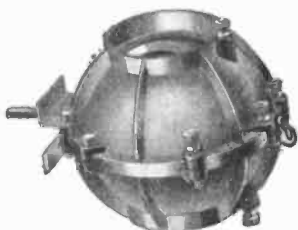
## DIALS



All Bakelite. Non-warping, reinforced construction,  $\frac{1}{8}$ " shaft with bushings for  $\frac{1}{4}$ " and  $\frac{3}{8}$ " shafts included.

- No. 501 3" Dial.....\$1.00
- No. 502 4" Dial.....1.25

## VARIOMETERS

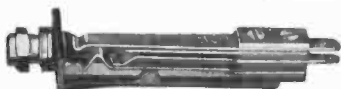


All Bakelite moulded variometer. Two rotor and three stator terminals. Standard wound. For panel or base mounting.

- No. 501 Variometer.....\$8.00

## SPRING JACKS

Positive contacts, constant spring tension. Durable insulated frame.



- | No.                  | Each   |
|----------------------|--------|
| 501-4 Conductor..... | \$1.10 |
| 502-2 Conductor..... | .75    |
| 503-3 Conductor..... | .80    |
| 504-4 Conductor..... | 1.10   |
| 505-6 Conductor..... | 1.25   |

## TUBE SOCKETS



No. 2

All Bakelite tube socket. Takes all standard tubes.

"The Standard Socket"

- No. 1 and No. 2 Tube Socket.....each, \$0.75

## PLUGS

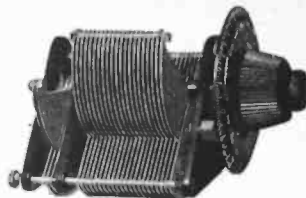


The Kellogg plug fits all jacks. It is of strong construction and handsomely finished.

- No. 501 Plug.....each, \$1.00

The Kellogg Switchboard and Supply Company also manufactures miniature condensers, single or double mountings, transformers, contact switches, choke coils, resistances, switch inductance contacts, cords, binding posts, insulators, etc.

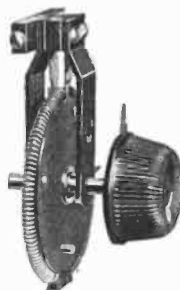
## VARIABLE CONDENSERS



Decremeter type, 11, 23, and 43 plate with and without vernier. Standard capacities. With this variable condenser the dial scale can be correctly calibrated. The amount of increase or decrease of the plate surface variation is always constant.

- | No.   | List, each |
|---|------------|
| No. 601 11 plate with 5 plate Vernier. Knob-4 in. Dial..... | \$6.75     |
| No. 602 11 plate without Vernier. Less Knob and Dial.....   | 4.50       |
| No. 603 23 plate with 5 plate Vernier. Knob-4 in. Dial..... | 7.75       |
| No. 604 23 plate without Vernier. Less Knob and Dial.....   | 5.50       |
| No. 605 43 plate with 5 plate Vernier. Knob-4 in. Dial..... | 8.75       |
| No. 606 43 plate without Vernier. Less Knob and Dial.....   | 6.50       |

## RHEOSTATS



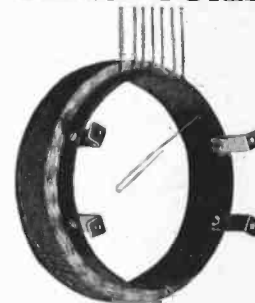
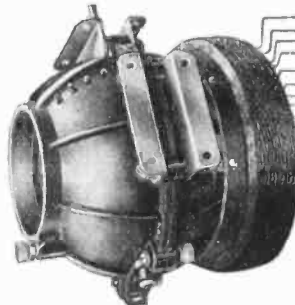
No. 501

The Kellogg rheostat is simple in design, having but one movable part. The resistance wire is carried on a rotor of high grade insulating material and the contact arms are so placed that a slight movement brings in the one-half turn of the wire, giving a vernier effect.

The knob is the same type as on the Kellogg dial.

- No. 501 Rheostat.....\$2.00

## VARIOCOUPERS TUNER COILS



The Kellogg variocoupler is of the same standard design as our variometer, being made of moulded Bakelite, with reinforced construction.

The stator has eleven taps, bringing the induction value from .1 to 1.4 Millihenrie.

For increasing the wave length from 150 to 2500 meters, the Kellogg standard wound induction is added to the variocoupler or variometer, the combination resulting in a single circuit tuner.

It is arranged for either panel or base mounting.

- No. 501 Variocoupler.....\$9.00
- No. 502 Diamond Wound Coil.....3.00

## MICROPHONES



Standard Microphone. Supersensitive. The result of twenty-five years experience.

- Kellogg No. 21 Microphone.....each, \$8.90

# KELLOGG SWITCHBOARD & SUPPLY COMPANY

CHICAGO

Tell 'Em You Saw It in the Citizens Radio Call Book

## Telephone Broadcasting Stations for the United States—Continued

- WFAT—Argus Leader, Sioux Falls, S. Dak. Daily ex Sun, 10:15-12:10 pm, 2:15, reports; 7:30 pm, music. Tues, 8-9 pm, concert.
- WFAU—Edwin C. Lewis, Boston, Mass.
- WFAV—Univ. of Neb., Lincoln, Neb. Daily ex Sun, 10:10 am, weather, markets. Sat, 9:00 pm, concert.
- WFAW—Daily Metropolis, Miami, Fla.
- WFAV—Daniels Radio Supply Co., Independence, Kans. Daily ex Sun, 12 m, 4 pm, news. Mon, Tues, Wed, 7:30-8 pm, entertainment. Thur, Fri, 7:30-8 pm. Sat, 7-9 pm, music. Sun, 11 am, church services.
- WFAZ—S. C. Radio Shop, Charleston, S. C. Daily ex Sun, 12 m, reports, news, music. Tues, Thur, 8-10 pm.
- WFI—Strawbridge & Clothier, Philadelphia, Pa. Daily ex Sun, 1:16 pm, news; 3:30-4:30, concert; 5:30-6, news. Mon, Fri, 6:30-7 pm, Radio talk. Wed, Fri, Sat, 7:30-8:30 pm, concert. Fri, Sat, 7:30 pm, church at 8:30 pm. Sun, 4 pm, church service.
- WGAB—QRV Radio Co., Houston, Tex. Daily ex Sun, 8:30-9 am, police reports; 1:30-2:30 pm, concert, agriograms; 4-5, concerts, police reports.
- WGAD—Escuela Hispano Americana de Radio Telegrafia, Inc., Ensenada, Porto Rico. Sat and Sun eve.
- WGAA—New Haven Elec. Co., New Haven, Conn.
- WGAV—W. H. Gass, Shenandoah, Ia. Mon, Thur, 7:30-8 pm.
- WGAK—Macon Elec. Co., Macon, Ga.
- WGAL—Lancaster Elec. Supply & Construction Co., Lancaster, Pa. Mon, Wed, Fri, 7-8 pm, concert, lecture. Sun, 3-3:30 pm, church service.
- WGAM—Orangeburg Radio Equipment Co., Orangeburg, S. C. Daily ex Sun, 10 am, markets, weather; 11:55, time; 4 pm, Radio talk, markets, baseball; 6, music, lecture; 10, time, weather, entertainment. Sun, 11 am, church service; 11:55, time; 10 pm, time, weather, music.
- WGAN—Cecil E. Lloyd, Pensacola, Fla.
- WGAJ—Glenwood Radio Corp., Shreveport, La. Daily ex Sun, 8 pm, music. Sun, 11 am, 7:30 pm, church service.
- WGAR—Southwest American, Fort Smith, Ark.
- WGAT—Am. Legion, Dept. of Neb., Lincoln, Neb. Mon, Wed, 9 pm, announcements. Fri, 9-10 pm, patriotic program, concert. Sun, 3-5 pm, sermon.
- WGAU—Marcus G. Limb, Wooster, O.
- WGAW—Ernest C. Albright, Altoona, Pa.
- WGAX—Radio Elec. Co., Washington, D. C. Daily ex Sun, 9 am, 2 pm, music, news. Mon, Wed, Fri, 9:30 pm, concert, news. Sun, 10:30 pm, sermon.
- WGAY—North Western Radio Co., Madison, Wis. Daily ex Sun, 9-10 am, financial news; 11:30, news, opening markets; 4 pm, news, closing markets. Mon, Wed, Thurs, Sat, 7:30-8:30 pm, concert. Sun, 10:30-12, sermon.
- WGAZ—South Bend Tribune, South Bend, Ind. Daily ex Sun, 9-9:30 am, household hints, menus; 2-3 pm, music; 7-8 pm, music.
- WGF—Register and Tribune, Des Moines, Iowa. Tues, Fri, 7:30 pm, entertainment. Sun, 5 pm, church service.
- WGI—Am. Radio and Research Corp., Medford Hillsdale, Mass. Daily ex Sun, 7 am, setting up exercises; 9:30, 11:30, 3:25 pm, music; 10:30 am, 1:30 pm, 3, 6, 6:30, reports, news. Mon, Wed, 7 pm, entertainment. Tues, 8:30 pm, fashion talks, concert. Thur, Fri, 9 pm, concert. Sat, 8 pm, concert. Sun, 4 pm, concert; 6:30 pm, reports; 7:30, church service; 8:30, concert.
- WGL—Thos. F. J. Mowlett, Philadelphia, Pa. Tues, Thurs, Sat, 7:45-11:30 pm, concert.
- WGM—Atlanta Constitution, Atlanta, Ga.
- WGR—Federal Tel. & Telg. Co., Buffalo, N. Y. Daily ex Sat and Sun, 12:15 pm, weather, agriograms; 2, music; 3, lecture; 4, music; 5:30, reports; 7:30, bedtime stories; 8:10, concert.
- WGV—Interstate Elec. Co., New Orleans, La.
- WGY—General Elec. Co., Schenectady, N. Y. Daily ex Sun, 11:55 am, 12:30 pm, 6, 10, reports, time, sports. Mon, Tues, Thur, Fri, 2-2:30 pm, 7:45, concert. Fri, 10:30 pm, special. Sun, 10:30 am, 4:30 pm, church service.
- WHA—Univ. of Wis., Madison, Wis. Daily ex Sun, 12:30-1 pm, weather, markets. Tues, Thurs, Fri, Sat, 12-1 pm, weather, markets, time. Tues, 8-9 pm, concert. Fri, 8-9:15 pm, news, concert. Sat, 1-1:20 pm, instruction.
- WHAA—State Univ. of Ia., Iowa City, Ia. Daily ex Sun, 8-8:30 pm, lecture, concert, sports, news. Sun, 10:45-12 am, church service.
- WHAB—Clark W. Thompson Co., Galveston, Tex. Daily ex Sun, 9:45-10:15 am, 3 pm, 5 pm, reports, music, news. Mon, Wed, Fri, 8 pm, entertainment. Sun, 10 am, church service.
- WHAC—Cole Bros. Elec. Co., Waterloo, Ia. Daily ex Sun, 6:15 pm, news, sports. Mon, Wed, Fri, 9:30 pm, concert.
- WHAD—Marquette Univ., Milwaukee, Wis. Daily ex Sun, 10:58 am, time; 11:20, weather. Wed, 7:30-8:30 pm, music, entertainment.
- WHAEE—Automotive Elec. Service Co., Sioux City, Ia. Daily ex Sun, 12:30-5:30 pm, music, reports. Thur, 7:30 pm, music.
- WHAFF—Radio Elec. Co., Pittsburgh, Pa. Daily ex Sun, 11:30-12 m, 3-3:30 pm, music, news. Sun, 9-10, music.
- WHAG—Univ. of Cincinnati, Cincinnati, O.
- WHAH—John T. Griffin, Joplin, Mo.
- WHAJ—Radio Equip. & Mfg. Co., Davenport, Ia. Daily ex Sat and Sun, 2-2:30 pm, 4:30-5:30, 10-11. Sat, 10-11 am, 2-2:30 pm, 5-5:30, 11-11:30.
- WHAKE—Roberts Hdwe. Co., Clarksburg, W. Va.
- WHAL—The Capital News, Lansing, Mich. Daily ex Sun, 9:15-9:45 am, 12:30-1 pm, 3:45-4:15, 7:30-8:30. Sun, 2:30 pm.
- WHAM—Univ. of Rochester, Rochester, N. Y.
- WHAO—Frederick A. Hill, Savannah, Ga. Daily, 9:30-10 am.
- WHAP—Dewey L. Otta, Decatur, Ill.
- WHAQ—Semmes Motor Co., Washington, D. C. Mon, 7-8 pm, lecture on automobile upkeep, music.
- WHAR—Paramount Radio & Elec. Co., Atlantic City, N. J.
- WHAS—Courier Journal and Louisville Times Co., Louisville, Ky. Daily ex Sun, 4-5 pm, 7:30-9. Sun, 9:57-10:45 am, 4-5 pm, church service.
- WHAW—Wilmington Elec. Spec. Co., Wilmington, Del. Daily ex Sun, 12-1 pm, music. Mon, Wed, Fri, 6-8 pm, concert. Tues, Thur, Sat, 6-7 pm, music.
- WHAW—Pierce Elec. Co., Tampa, Fla. Daily ex Sat, Sun, 12-1 pm, 4-5, music, agriograms. Sat, 12-1 pm, 8-10 music, entertainment.
- WHAY—Huntington Pub. Co., Huntington, Ind. Daily ex Sun, 12 m, 3 pm, music; 1:30 pm, 6, reports, sports. Mon, Wed, Sat, 8 pm, concert.
- WHAZ—Rensselaer Polytechnic Inst., Troy, N. Y. 8:15-9:30 pm, music.
- WHB—Sweeney Auto & Tractor School, Kansas City, Mo. Daily, 10 am, 3 pm, 5, weather. Daily ex Sun, 2 pm, ladies' hour; 7, bedtime stories. Tues, Thurs, Sun, 8-10 pm, concert.
- WHD—W. Va. University, Morgantown, W. Va. Daily, 4-6, 7-7:30, news, etc.
- WHK—Warren R. Cox, Cleveland, O. Daily ex Sun, 1:30-2 pm, 4-4:30, 6-6:30. Tues, Thur, Sun, 8-9:30 pm, concert.
- WHN—Times Printing & Pub. Co., Ridgewood, N. Y.
- WHX—Iowa Radio Corp., Des Moines, Iowa. Daily, 12:30-1 pm, 6-6:30. Sat, 3 pm, sports.
- WIA—Joslyn Automobile Co., Rockford, Ill. Tues Fri, 8:30-9:30 pm, music.
- WIAC—Galveston Tribune, Galveston, Tex. Daily ex Sun, 12:35 pm, reports. Tues, Sat, evening concert.
- WIAD—Ocean City Yacht Club, Ocean City, N. J. Fri, Sat, Sun, 8-12 pm.
- WIAE—Zimmerman Radio Co., Vinton, Ia. Tues, Thurs, Sat, 9 pm, music, news. Wed, 8 pm, band concert. Sun, 2:30 pm, music.
- WIAF—Nola Radio Co., New Orleans, La. Sun, 10-11 am, music, lecture.
- WIAH—Continental Radio & Mfg. Co., Newton, Ia. Daily, 12:30-1 pm, music, news. Mon, 7:30-8 pm.
- WIAI—Heer Stores Co., Springfield, Mo. Daily ex Sun, 10:30-11, reports, news. Tues, Thur, Sat, 7:30-8:30 pm, music.
- WIAJ—Fox River Valley Radio Supply Co., Neenah, Wis.
- WIAK—Daily Journal-Stockman, Omaha, Neb. Daily ex Sun, 7:45 am, 9:10, 10:15, 12 m, 1:50 pm, 3:50, markets, weather.
- WIAO—School of Engineering, Milwaukee, Wis. Mon, Tues, Thur, Fri, 10:15-10:30 am, 11:30-11:45, news; 11:45-12:10 pm, lecture; 6-9 pm, news; 7-7:15, music; 7:15-7:30, lecture.
- WIAQ—Chronicle Pub. Co., Marion, Ind.
- WIAR—J. A. Rudy & Sons, Paducah, Ky. Daily ex Sun, 11-12 am, markets, weather, news, music; 4-5 pm, same and sports; 7:30-9, concert, lectures, etc. Sun, 11-12 am, church service.
- WIAS—Hawk-Eye Home Elec. Co., Burlington, Ia. Tues, Thurs, 8-9 pm, concert.
- WIAT—Leon T. Noel, Tarkio, Mo.
- WIAU—Am. Trust & Savings Bank, Le Mars, Ia.
- WIAV—N. Y. Radio Lab., Binghamton, N. Y.
- WIAW—Saginaw Radio & Elec. Co., Saginaw, Mich.
- WIAZ—Capital Radio Co., Lincoln, Neb. Thur, 8 pm, music, entertainment. Sun, 2:30 pm, 8, 9, church service.
- WIAY—Woodward & Lothrop, Washington, D. C. Daily ex Sun, 10:30-11:30 am, 2-3 pm, music. Sat, 8-10 pm, concert.
- WIAZ—Flagler St. Elec. Supply Sales Co., Miami, Fla.
- WIK—K. & L. Elec. Co., McKeesport, Pa. Daily ex Sun, 6:30-7 pm. Tues, Thurs, 9:30-10:30 pm. Sun, 1:30-2:30 pm and 6:30-7 pm.
- WIL—Continental Elec. Supply Co., Washington, D. C. Daily, 5:30-7 pm, music, entertainment.
- WIP—Gimbel Bros., Philadelphia, Pa. Daily ex Sun, 2:30-3:30 pm. Mon, Wed, Thur, 7-7:30 pm. Tues, Fri, Sat, 7-12 pm. Sun, am, pm, church service.
- WIZ—Cino Radio Mfg. Co., Cincinnati, O. Daily ex Sun, 12 m, 3:30 pm, 7-8, reports, entertainment.
- WJAB—American Radio Co., Lincoln, Neb. Mon, Wed, 8:30-9 pm.
- WJAD—Jackson's Radio Engrng. Lab., Waco, Tex. Daily ex Sun, 12:30-1 pm, markets, news, music; 3:30-4, news, music; 6-6:15, sports; 8:45-9:45, concert, news. Sun, 11-12 am, church service; 3:30-4 pm, music; 6-6:15, sports; 8:45-9:45, music.
- WJAE—Texas Radio Syndicate, San Antonio, Tex. Mon, 9:30-10:30 pm. Tues, Thurs, Sat, 7:30-8:30 pm, concert.
- WJAF—Muncie Press and Smith Elec. Co., Muncie, Ind. Daily ex Sun, 3:30-4 pm. Mon, Wed, Fri, 7-8 pm. Sat, 6-7 pm.
- WJAG—Norfolk Daily News, Norfolk, Neb. Daily ex Sun, 10:30 am, 12:15 pm, 3:30, 5:30, reports.
- WJAJ—J. M. C. A., Dayton, O.
- WJAK—White Radio Lab., Stockdale, O. Daily ex Sun, 10:30-10:50 am, music; 11:05-11:20, reports, news; 6-6:30, music, news. Wed, 8-9 pm, concert. Sun, 2-2:45 pm, church service.
- WJAL—Victor Radio Corp., Portland, Me.
- WJAM—D. M. Perham, Cedar Rapids, Ia. Mon, Wed, Fri, 7-8 pm, music.
- WJAN—Peoria Star and Peoria Radio Sales Co., Peoria, Ill. Daily ex Sun, 11:30 am, markets, weather; 1:30 pm, closing markets, agriograms, bond news; 6:15, sports. Tues, Thurs, Sat, 9:15-9:45 pm, concert.
- WJAP—Kelley Duluth Co., Duluth, Minn. Mon, Thur, 8-9:30 pm, music. Sun, 11-12 m, pipe organ; 12-1 pm, church service.
- WJAQ—Copper Publications, Topeka, Kans.
- WJAR—The Outlet Co., Providence, R. I.
- WJAS—Pittsburgh Radio Supply House, Pittsburgh, Pa. Daily ex Sun, 11-11:30 am, 2:30-3 pm. Mon, Tues, Fri, 7-8 pm.
- WJAT—Kelley-Vawter Jewelry Co., Marshall, Mo. Daily ex Sun, 2-2:30 pm, 5:35-6, concert.
- WJAX—Union Trust Co., Cleveland, O. Daily ex Sat, pm, Sun, 9-9:45 am, 10-10:45, 2-2:45 pm, 3-3:45, music, financial reports, news.
- WJAZ—Chicago Radio Lab., Chicago, Ill.
- WJD—Denison Univ., Granville, O. Tues, Thur, 5-6 pm, educational lectures. Sun, 5-6 pm, religious stories.
- WJH—White & Bower Co., Washington, D. C. Daily ex Sun, 1-2 pm, music. Tues, 7:45-10 pm, music.
- WJK—Service Radio Equipment Co., Toledo, O. Daily ex Sun, 2-3 pm, reports. Mon, Wed, Fri, 7:30-9 pm, concert. Sat 2-5 pm, sports, news. Sun, 11-12:30 pm, 7:30-8:30, church services.
- WJX—De Forest Radio Telephone & Telegraph Co., New York, N. Y.
- WJZ—Westinghouse Elec. & Mfg. Co., Newark, N. J. Daily ex Sun, 15 minutes hourly from 9 am to 6 pm, 12-12:30 pm, 7-10:15 pm. Miscellaneous program of highly varied nature. Sun, 3-10:15 pm, music.
- WKAA—H. F. Paar, Cedar Rapids, Ia. Daily ex Sun, 12:45 pm, reports; 5:30, reports, agriograms; 6-7, music. Thur, 11-12 pm, music. Sun, 4-5 pm, church service.
- WKAC—Star Pub. Co., Lincoln, Neb. Tues, Fri, 8-9:30 pm, concert, entertainment.
- WKAD—Charles Looff, East Providence, R. I.
- WKAF—W. S. Radio Supply Co., Wichita Falls, Tex.
- WKAG—Edwin T. Bruce, Louisville, Ky.
- WKAH—Planet Radio Co., West Palm Beach, Fla.
- WKAK—Okfuskee County News, Okemah, Okla.
- WKAL—Gray & Gray, Orange, Tex.
- WKAN—Alabama Radio Mfg. Co., Montgomery, Ala. Daily ex Sun, 3:30 pm, 8:30, music, news.
- WKAP—Wilcox Flint, Granston, R. I.
- WKAQ—Radio Corp. of Porto Rico, San Juan, Porto Rico.
- WKAR—Mich. Agrl. College, East Lansing, Mich.
- WKAS—L. E. Lines Music Co., Springfield, Mo. Daily ex Sun, 6:30-7 pm, sports. Mon, Fri, Sat, 8-9:15 pm, music.
- WKAV—Laconia Radio Club, Laconia, N. H.
- WKAW—L. M. Turner, Beloit, Wis. Daily 12-12:15 pm, 7-7:30, concert.
- WKAX—Wm. A. Macfarlane, Bridgeport, Conn.
- WKAY—Brenau College, Gainesville, Ga.
- WKAZ—Landau's Music Co., Wilkes-Barre, Pa. Sat, 8-12 pm, dance music. Sun, 11 am, 8 pm, church service.
- WKC—Jos. M. Zamolski Co., Baltimore, Md. Tues, Thurs, Sat, 7:30-9:30 pm.
- WKN—Riechman-Crosby Co., Memphis, Tenn.
- WKY—Oklahoma Radio Shop, Oklahoma City, Okla. Daily, 12 m, weather; 7-7:30 pm, sports, specials; 8:30-9:30, concert; 9, weather, news. Sun, 3:30-4:30 pm, concert.
- WLAC—N. C. State College, Raleigh, N. C.
- WLAJ—Johnson Radio Co., Lincoln, Neb.
- WLAG—Cutting & Wash. Radio Corp., Minneapolis, Minn. Daily ex Sun, 9:30-12 am, music, market reports; 1:30-3 pm, music, farm news, styles; 3:30-4:45, markets, music; 6-7:30, farm news, children's hour. Thur, Fri, Sat, 8-9:30 pm, concert. Sun, 4:30-5:30 pm, church services.
- WLAH—Samuel Woodworth, Syracuse, N. Y.
- WLAJ—Waco Elec. Supply Co., Waco, Tex. Daily ex Sun, 9:30 am, 10:30, 2:30 pm, music, reports. Tues, Thur, Sat, 7:45-8:45 pm, music. Sun, 3 pm, church service.
- WLAK—Vermont Farm Machine Co., Bellows Falls, Vt.
- WLAL—Tulsa Radio Co., Tulsa, Okla.
- WLAM—Morrow Radio Co., Springfield, O. Mon, Wed, Fri, 8-9:30 pm, dance music.
- WLAN—Putnam Hdw. Co., Houlton, Me.
- WLAO—R. C. Ehrhardt and J. H. Jones, Scranton, Pa. Mon, Wed, Fri, 7:15 pm, bedtime stories, reports; 8-9:45 pm, music. Sun, 7:30 pm, music; 8:30, church services; 9:15, music.
- WLAP—W. V. Jordan, Louisville, Ky.
- WLAQ—A. E. Schilling, Kalamazoo, Mich. Daily, 10-12 pm, music.
- WLAR—Meikel Music Co., Marshalltown, Ia.
- WLAS—Hutchinson Grain Radio Co., Hutchinson, Kans.
- WLAT—Radio and Specialty Co., Burlington, Ia.
- WLAV—Elec. Shop, Inc., Pensacola, Fla. Daily ex Sun, 8-9 pm, music, entertainment.
- WLAW—New York Police Dept., New York, N. Y.
- WLAX—Greencastle Community Broadcasting Station, Greencastle, Ind.
- WLAY—Northern Commercial Co., Fairbanks, Alaska.
- WLAZ—Hutton & Jones Elec. Co., Warren, O.
- WLB—Univ. of Minn., Minneapolis, Minn. Daily ex Sun, 12-12:30 pm, 7:30-7:50.
- WLK—Hamilton Mfg. Co., Indianapolis, Ind. Daily ex Sun, 11-11:30 am, 12-12:30 pm, 2-2:30, 3-3:30, 5-5:30, reports. Tues, Thur, 8:30-10 pm, concert. Sun, 2-4 pm, 8:30-10.
- WLW—Crosley Mfg. Co., Cincinnati, O. Daily ex Sun, 10 am-3 pm, music, reports. Tues, Thur, Fri, 8-10:30 pm, music, news. Sun, 11 am, church service.
- WMAE—Radio Supply Co., Oklahoma City, Okla. Daily ex Sun, 9:30-10:30 pm, music. Fri, 11:30-12:30 pm.



# STEBBINS

Established 1860

## HARDWARE CO.

15 to 21 West Van Buren Street  
CHICAGO

*Radio Reliability—*  
the Name of Stebbins is your Guarantee  
—and it's a good one

The Stebbins Hardware Company gained their reputation for reliability by selling only quality merchandise. The known quality of the articles listed below shows that Stebbins are maintaining this reputation in the Radio field.

Western Electric Tubes and Speakers	Carter Radio Co. Automatic Rheostats
Westinghouse Sets	Erla Products
Carter Radio Co. Plugs and Jacks	French "B" Batteries
Premier Condensers	Philadelphia "A" Batteries
	Dayfan Products
Dictographs, Nathaniel Baldwin Headsets	

*Tell 'Em You Saw It in the Citizens Radio Call Book*

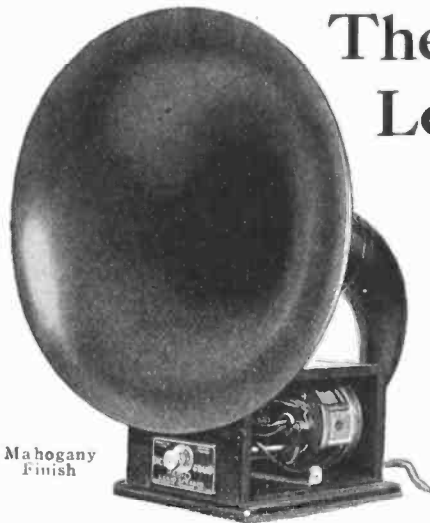
# Telephone Broadcasting Stations for the United States—Continued

WMAC—C. B. Meredith, Cazanovia, N. Y.  
 WMAD—Atchinson County Mall, Rock Port, Mo.  
 WMAF—Round Hills Radio Corp., Dartmouth, Mass.  
 WMAQ—Tucker Elec. Co., Liberal, Kans. Daily ex Fri, Sun, 7:30-8:30 pm, music, news. Fri. 8-9 pm, concert.  
 WMAH—General Supply Co., Lincoln, Neb. Daily ex Sun, 2:15 pm, music, news. Mon, Thur 7:30 pm, music.  
 WMAJ—Daily Drivers Telegram, Kansas City, Mo. Daily ex Sun, 8:15 am, 9:15, 10:15, 11:15, 12:15 pm, 2:15, weather, markets.  
 WMAK—Norton Labs., Lockport, N. Y.  
 WMAL—Trenton Hdwa. Co., Trenton, N. J. Mon, Thur, 7:30-9 pm, music, lecture.  
 WMAM—Beaumont Radio Equipment Co., Beaumont, Tex.  
 WMAN—First Baptist Church, Columbus, O. Sun, 10:30-12 m, 7:30-9 pm, church services.  
 WMAP—Utility Battery Service, Easton, Pa.  
 WMAQ—Chicago Daily News, Chicago, Ill. Mon, Wed, Fri, Sun, 7:30-9 pm, Sat, 4:35-5 pm. Tues, Thur, 9:15-10 pm.  
 WMAR—Waterloo Electrical Supply Co., Waterloo, Iowa.  
 WMAT—Paramount Radio Corp., Duluth, Minn.  
 WMAV—Polytechnic Inst., Auburn, Ala.  
 WMAW—Wahpeton Elec. Co., Wahpeton, N. D. Daily, 7-7:30 pm, music, sports, news.  
 WMAX—K. & K. Radio Supply Co., Ann Arbor, Mich.  
 WMAZ—Kingshighway Presbyterian Church, St. Louis, Mo. Sun, 11 am, 8 pm. Tues, 7-8 pm, church services.  
 WMAZ—Mercer University, Macon, Ga. Daily ex Sun, 5:30-6 pm, 7:30, 8:30-9:30, music. Tues, Wed, Thur, 10:30-11 am, chapel.  
 WMB—Auburn Elec. Co., Auburn, Me.  
 WMC—Commercial Publishing Co., Memphis, Tenn.  
 WMM—Precision Equipment Co., Cincinnati, O. Daily ex Sun, 11 am, 4 pm, reports. Mon, Wed, Sat, 8:15 pm, entertainment.  
 WMU—Doubleday-Hill Elec. Co., Washington, D. C. Daily, 4:30 pm, concert, sports. Thurs, 8-9, concert.  
 WNAB—R. D. Nichols, Bowling Green, Ky. Daily ex Tues, 4-5 pm, 7:30-9, music.  
 WNAC—Shepard Stores, Boston, Mass. Daily ex Sun, 4-5 pm, dance music. Tues, Thur, 7-8:30 pm. Wed, Sat, 9:30-11 pm, Fri, 8-9:30 pm. Sun, 11-12 am, 6:30-8:30 pm, church services.  
 WNAD—Okla Radio Engineering Co., Norman, Okla. Daily ex Sun, 7:45-8:15 pm, news.  
 WNAF—Enid Radio Dist. Co., Enid, Okla.  
 WNAG—Rother Radio and Electric Shop, Cresco, Ia.  
 WNAH—Wilkes-Barre Radio Repair Shop, Wilkes-Barre, Pa.  
 WNAJ—Benson Co., Chicago, Ill.  
 WNAK—Manhattan Radio Supply Co., Manhattan, Kans.  
 WNAL—R. J. Rockwell, Omaha, Neb.  
 WNAM—Ideal Apparatus Co., Inc., Evansville, Ind. Mon, Wed, Fri, 10-11 am, music, reports; 3-4 pm, 7-8, entertainment. Sun, 3-4 pm, music.  
 WNAN—Syracuse Radio Telephone Co., Syracuse, N. Y.  
 WNAQ—Charleston Radio Elec. Co., Charleston, S. C.  
 WNAW—Wittenberg College, Springfield, O.  
 WNAR—O. C. Rhodes, Butler, Mo.  
 WNAS—Tex. Radio Corp., Austin, Tex.  
 WNAT—Lennig Bros. Co., Philadelphia, Pa. Daily ex Sun, 12:15-1 pm, Wed, Sat, 7:30-9:30 pm. Sun, 2:30 pm, 4:30, church services.  
 WNAV—People's Tel. & Telg. Co., Knoxville, Tenn.  
 WNAW—Henry Kunzmann, Fortress Monroe, Va.  
 WNAX—Dakota Radio Apparatus Co., Yankton, N. D.  
 WNAZ—Shipowners Radio Service, Baltimore, Md.  
 WNJ—Shotton Radio Mfg. Co., Inc. Albany, N. Y. Daily ex Sun, 10:10-15 am, market reports. Wed, 8:15 pm, concert.

WNO—Wireless Telephone Co. of Hudson Co., N. J., Jersey City, N. J.  
 WOAA—Dr. Walter Hardy, Ardmore, Okla.  
 WOAB—Valley Radio, Grand Forks, No. Dak. Daily ex Sun, 10-11 am, 2-2:30 pm, entertainment, reports. Sun, 3-4 pm, music, church service.  
 WOAC—Maus Radio Co., Lima, O.  
 WOAD—Friday Battery & Elec. Co., Sigourney, Ia.  
 WOAE—Meuland College, Fremont, Neb.  
 WOAF—Tyler Commercial College, Tyler, Tex.  
 WOAG—Apollo Theatre, Belvidere, Ill.  
 WOAH—Palmetto Radio Corp., Charleston, S. C. Mon, Thur, Sat, Sun, 10 pm-1 am, music.  
 WOAL—Southern Equip. Co., San Antonio, Tex. Daily ex Sun, 10:30 am, 12:15 pm, 3, 6, news, markets. Wed, 7:30-8:30 pm, concert. Sun, 9:30-10:30 am, 7-8:30 pm, concert.  
 WOAJ—Ervin's Elec. Co., Parsons, Kans.  
 WOAK—Collins Hardware Co., Frankfort, Ky.  
 WOAL—William E. Woods, Webster Grove, Mo.  
 WOAN—James D. Vaughan, Lawrenceburg, Tenn. Daily, 8-9 pm, concert.  
 WOAO—Lyrdian Manufacturing Co., Mishawaka, Ind.  
 WOAP—Kalamazoo College, Kalamazoo, Mich.  
 WOAQ—Portsmouth Radio Assn., Portsmouth, Va.  
 WOAR—H. P. Lundskow, Kenosha, Wis.  
 WOAS—Bailey's Radio Shop, Middletown, Conn. Daily ex Sun, 4:15-6 pm, music. Sat, 9-12 pm, dance music.  
 WOAT—Boyd Martell Hamp, Wilmington, Del.  
 WOAU—Sowder Bowling Piano Co., Evansville, Ind.  
 WOAV—Penna. Nat'l Guard, Erie, Pa.  
 WOAW—Woodmen of the World, Omaha, Neb.  
 WOAX—F. J. Wolff, Trenton, N. J.  
 WOAY—John M. Wilder, Birmingham, Ala.  
 WOAZ—Penick Hughes Co., Stanford, Tex.  
 WOC—Palmer School of Chiropractic, Davenport, Ia. Daily ex Sun, 10:55 am, time; 11, weather; 12 m, chimes; 2 pm, markets; 3:30, talk; 5:45, chimes; ex Wed; 6:30, sports; 7, concert; 8 pm, concert, Wed only. Sun, 9 am, chimes; 1:45 pm, 6, concert; 7, church services; 7, concert.  
 WOE—Buckeyes Radio Service Co., Akron, O. Mon, Wed, Fri, 7-8:15 pm, music, agriograms, sports. Sat, 4-4:30 pm, music, sports.  
 WOH—Hatfield Elec. Co., Indianapolis, Ind. Daily ex Sun, 10-11 am, music; 10:15, financial markets; 1-2 pm, music; 1:20, markets; 4-5 pm, music; 4:15, police notes; 4:50, sports. Mon, Wed, Sat, 8:30-10 pm, concert.  
 WOI—Iowa State College, Ames, Ia. Daily ex Sun, 9:30 am, 12:45 pm, 9:30, music, weather.  
 WOK—Ark. Light & Power Co., Pine Bluff, Ark. Tues, Fri, 9-10 pm, concert. Sun, 11-12 m, 7:30 pm, church services.  
 WOO—John Wanamaker, Philadelphia, Pa.  
 WOQ—Western Radio Co., Kansas City, Mo. Mon, Tues, Wed, Thur, 9:45 am, 10:55, 11:30, 12:30 pm, 2, 7:30, time signals, reports, etc. Fri, 1:15 pm, sacred service. Sat, 8 pm, concert. Sun, 7 pm, concert.  
 WOR—L. Bamberger & Co., Newark, N. J. Daily ex Sun, 2:30-4 pm, 6:15-7, music, talks. Tues, Fri, 8-10, music, entertainment.  
 WOS—Missouri State Marketing Bureau, Jefferson City, Mo. Daily ex Sun, first 15 min. of every hour from 8 am-2 pm, markets. Daily, 5 pm, music, markets. Mon, Wed, Fri, 8-9:30 pm, concert.  
 WOU—Metropolitan Utilities Dist., Omaha, Neb.  
 WOV—R. B. Howell, Omaha, Neb.  
 WOZ—Felladium Printing Co., Richmond, Ind. Daily ex Sun, 12-12:25 pm, 4-5, 6:30-7, music, markets.  
 WPA—Fort Worth Record, Ft. Worth, Tex. Daily ex Sun, 10:58-11 am, time; 2:30-3 pm, 6-6:30, 9-9:30, Sun, 3-3:30 pm, 9-9:30, Mon, 11-12 mid.  
 WPAZ—Anderson & Webster Elec. Co., Waco, Neb.

WPAB—Pa. State College, State College, Pa.  
 WPAC—Donaldson Radio Co., Okmulgee, Okla.  
 WPAD—W. A. Weiboldt & Co., Chicago, Ill. Daily ex Sun, 12:30-1:30 pm, 6:30-7, music.  
 WPAF—Peterson's Radio Co., Council Bluffs, Ia.  
 WPAH—Wisconsin Dept. of Markets, Waupaca, Wis.  
 WPAJ—Doollittle Radio Corp., New Haven, Conn.  
 WPAK—North Dakota Agricultural College, Fargo, N. D.  
 WPAL—Superior Radio & Tel. Equip. Co., Columbus, O.  
 WPAM—Awerbach & Guettel, Topeka, Kans.  
 WPAP—Theodore D. Phillips, Winchester, Ky.  
 WPAQ—General Sales & Engineering Co., Probstburg, Md.  
 WPAR—R. A. Ward, Beloit, Kans.  
 WPAS—J. & M. Electric Co., 26 E. Main St., Amsterdam, N. Y.  
 WPAT—Saint Patrick's Cathedral, El Paso, Tex.  
 WPAU—Concordia College, Moorhead, Minn.  
 WPAV—Tinetti & Sons, Laurium, Mich.  
 WPAW—Radio Installation Co., Inc., Wilmington, Del.  
 WPAX—S-W Radio Co., Thomasville, Ga.  
 WPAY—Bangor Radio Laboratory, 87 Center St., Bangor, Me.  
 WPAZ—John R. Koch, 1039 Valley Rd., Charleston, W. Va.  
 WPE—Central Radio Co., Kansas City, Mo. Sun, 6-7 pm, church services.  
 WPG—Nushawg Poultry Farm, New Lebanon, O. Daily ex Sun, 12-12:15 pm, news; 6-6:30 pm, markets. Mon, Fri, 8-9:45 pm, music, farm program.  
 WPI—Elec. Supply Co., Clearfield, Pa.  
 WPM—Thos. J. Williams, Inc., Washington, D. C. Daily ex Sun, 12:30 pm, news. Mon, 8 pm, concert.  
 WPO—United Equip. Co., Memphis, Tenn. Daily, 7:15-8:15 pm, music.  
 WQAA—Horace A. Beale, Jr., Parkersburg, Pa. Daily, 10:30 pm.  
 WQAB—Southwest Missouri State Teachers College, Springfield, Mo.  
 WQAC—E. B. Gish, Amarillo, Tex.  
 WQAD—Whitall Electric Co., 59 W. Main St., Waterbury, Conn.  
 WQAE—Moore's Radio News Station, Putnam Ave., Springfield, Vt.  
 WQAF—Sandusky Register, 128 W. Water St., Sandusky, Ohio.  
 WQAH—Brook & Anderson Electrical Engineering Co., Inc., 235 E. Main St., Lexington, Ky.  
 WQAJ—Ann Arbor Times News, 109 Ann St., Ann Arbor, Mich.  
 WQAK—Appel-Higley Elec. Co., Dubuque, Ia.  
 WQAL—Cole County Tel. & Telg. Co., Mattoon, Ill.  
 WQAM—Electrical Equipment Co., Miami, Fla.  
 WQAN—The Scranton Times, 222 Spruce St., Scranton, Pa.  
 WQAO—Calvary Baptist Church, New York, N. Y.  
 WQAP—Am. Radio Co., Lincoln, Neb.  
 WQAQ—West Tex. Radio Co., Abilene, Tex.  
 WQAR—Press Publishing Co., High & Jackson Sts., Muncie, Ind.  
 WQAS—Prince-Walter Co., 55 Middle St., Lowell, Mass.  
 WQAY—Gaston Music & Furniture Co., 600 Second St., Hastings, Neb.  
 WQAW—Huntington & Guerry, Inc., River & Hammond St., Greenville, S. C.  
 WRAA—Rice Institute, Houston, Tex.  
 WRAC—State Normal School, Mayville, N. D.  
 WRAD—Taylor Radio Shop, Marion, Kans.  
 WRAJ—M. H. Pickering Co., 963 Liberty Ave., Pittsburgh, Pa.  
 WRAM—Lombard College, 1100 E. Knox St., Galesburg, Ill.  
 WRAN—Black Hawk Electrical Co., Waterloo, Ia. Daily ex Sun, 5 pm, 5:30, concert, news. Mon, Wed, Fri, 8:30-9:15 pm concert. Sun, 11:15, church services.  
 WRAP—Radio Service Co., 5735 Bartmer Ave., St. Louis, Mo.  
 WRAR—Jacob Carl Thomas, David City, Neb.  
 WRAU—Daily News, Amarillo, Tex.  
 WRAY—Antioch College, Yellow Springs, Ohio.

WRAY—Radio Sales Corp., Scranton, Pa. Daily ex Sun, 11 am, music; 12 m, reports; 3:30-6:30 pm, reports, music; 7-8:30, bedtime stories, music. Sun, 3 pm, chapel.  
 WRK—Dorn Bros. Elec. Co., Hamilton, O. Tues, Thur, 9-10:30 pm, music, lecture. Sun, 10:30 am, church service.  
 WRL—Union College Radio Club, Schenectady, N. Y.  
 WRM—Univ. of Ill., Urbana, Ill. Mon, Thur, 8:30-8:50 pm, 9-9:30, news, talks, music.  
 WRP—Federal Inst. of Radio Telg., Camden, N. J. Daily ex Sat, Sun, 10-10:45 pm, music, news, agriograms.  
 WRR—City of Dallas, Dallas, Tex. Daily ex Sun, 12-12:30 pm, weather; 3-3:30, sports, markets, news; 7-7:15, police news; 8-8:30, music. Sun, 11 am, church service; 7-8 pm, police news, church service.  
 WRW—Tarrytown Radio & Research Laboratory, Tarrytown, N. Y. Daily ex Sun, 10:30-12 m. Mon, Thur, Sat, 6:15-7 pm, 7:30-8:30, 10:30-12 pm. Sun, 1-3 pm.  
 WSA—B. S. Sprague Electrical Co., Marietta, Ohio.  
 WSAB—Southeast Missouri State Teachers' College, Cape Girardeau, Mo.  
 WSAJ—Grove City College, Grove City, Pa.  
 WSAH—A. G. Leonard, Jr., 4801 Woodlawn Ave., Chicago, Ill.  
 WSAL—Franklin Electric Co., S. Main St., Brooksville, Ind.  
 WSAS—Neb. Dept. of Agril., Lincoln, Neb. Daily ex Sat pm and Sun, 9:30 am, 9:45, 10, 10:30, 10:45, 11, 11:30, 11:40, 11:50, 12 m, 1:15 pm, 1:30, 1:45, reports.  
 WSAT—Plainview Electric Co., Plainview, Tex.  
 WSAV—C. W. Vick Radio Const'n. Co., Houston, Tex. Mon, Tues, Fri, 8-10 pm, concert, entertainment.  
 WSB—Atlanta Journal, Atlanta, Ga. Daily ex Sun, 12-1 pm, music; 2:30, reports; 4-4:45 pm, music, reports; 5-6 pm, 7-8, 10:45-12, music. Sun, 10:45 am, 5-6 pm, 7:30-9, church services.  
 WSL—J. & M. Elec. Co., Utica, N. Y. Daily ex Sat, Sun, 11-11:30 am, 2-2:30 pm, 3-3:30, 4-4:30, 5-5:30, music, news. Mon, Wed, 8-9 pm. Sat, 11-11:30 am, 5-6 pm, 8-9. Sun, 10:30-12 m, 7:30-9 pm.  
 WSY—Alabama Power Co., Birmingham, Ala. Mon, Wed, Fri, 3-3:30 pm, 8-8:45, reports, concert. Sun, 11 am, 7:30 pm, church services.  
 WTAC—Penn Traffic Co., Johnston, Pa.  
 WTAU—Ruegg Battery & Elec. Co., Tecumseh, Neb.  
 WTAW—Agricultural and Mechanical College of Tex., College Station, Tex.  
 WTG—Kan. State Agril. College, Manhattan, Kans. Daily ex Sun, 9:55 am, weather (code).  
 WTP—Ra-Do Corp., Bay City, Mich. Mon, Wed, Fri, 1:30-2 pm, reports, news; 6:30-7:30 pm, concert.  
 WWAC—Sanger Bros., Waco, Tex. Daily ex Sun, 10 am, weather; 1:30 pm, music. Mon, Wed, Fri, 8:45 pm, music.  
 WWAD—Wright & Wright, Inc., Philadelphia, Pa.  
 WWAX—Wormser Bros., Laredo, Tex. Daily ex Sun, 4:30-5:30 pm, music. Mon, Sat, 8-9 pm, music.  
 WWB—Daily News Printing Co., Canton, O.  
 WWI—Ford Motor Co., Dearborn, Mich. Wed, 10-11 pm, music, lectures.  
 WWJ—Evening News, Detroit, Mich. Daily ex Sun, 9:30-9:40 am, household hints; 9:40-10:25, health talks; 10:25-10:30 am, weather; 11:55-12 m, time; 12:05-12:45 pm, music; 3-3:30, music; 3:30-3:35, weather; 3:35-4:15, markets; 5-6, sports; 7:30-10, entertainment. Sun, November 11, and every other week, 11 am, 4 pm, church services. Sun, fill in weeks, 2 pm, 7:30, church services, special.  
 WWL—Loyola Univ., New Orleans, La.  
 WWX—Post Office Dept., Washington, D. C. Daily ex Sun, 10 am, weather; 10:30, markets; 12:30, 2:15, 3:20, markets; 5 pm, 7:30, markets; 9:45, weather.  
 WWZ—John Wanamaker, New York City. Daily ex Sun, 1:15-2:15 pm.



Mahogany  
Finish

### View Showing the Adjustable Air Gap

consists of an adjusting dial mounted in front of the cabinet, by means of which the distance between the magnetic poles and the diaphragm may be increased or decreased, thus varying the pull of the magnet on the diaphragm and permitting tuning up in complete harmony under all varying conditions of reception.

## The Most Wonderful Radio Loud Speaker in the World

### The DICTOGRAPH

#### With the Adjustable Air Gap

Overcomes the defects common to all other radio loud speakers—the harsh jarring sounds, the noises and overtones. It creates the illusion that the artists are in the very room with the listeners.

Designed to operate on any vacuum tube receiving set, giving maximum results when two stages of amplification or more are used. Requires no extra batteries. You simply plug in—and listen.

The DICTOGRAPH RADIO LOUD SPEAKER, like all Dictograph products, is guaranteed for a period of one year against all electrical or mechanical defects. **\$28.50**

#### ASK YOUR DEALER TO DEMONSTRATE IT

The unusual demand upon our facilities has not enabled us to complete our distribution. If your dealer has not yet received his stock of *DICTOGRAPH Radio Loud Speakers*, send to us direct.

## DICTOGRAPH

Stands the World over for Supremacy in the  
Art of Sensitive Sound Transmission~

## Do You Want a Real Headset?

*The Dictograph is the Best Headset  
in the World at Any Price*

This is the same supreme Dictograph Headset that has always sold for \$12—same in quality, same in guarantee, same in everything but the price—\$8 complete. Made by the makers of the world standard Dictograph Products—the marvelous "Acousticon" for the Deaf, the famous Detective Dictograph, the Dictograph System of Interior Telephones and the Dictograph Radio Loud Speaker for the Home.

Read a few of the many letters we have received from Dictograph Headset users. You, too, can enjoy the utmost in Headsets if you own one.

U. S. Marine Hosp. No. 43,  
Ellis Island, N. Y.

"The undersigned has for the past sixteen years been an amateur, commercial, and government operator, and has used every known make of radio receiver on the market. On April 21st, one of your Type R-1 3000 ohm receivers was purchased and it can be safely said without dispute that they are absolutely the best radio receivers on the market today; bar none."

C. H. West, U. S. P. H. S.

Go to your dealer's today and listen in with this supreme instrument. Note the difference. Buy two or three Dictograph Headsets and let the rest of the family enjoy your set. Always insist on Dictograph Products. They are fully guaranteed. If your dealer cannot supply you, send direct to us.

Dealers:—Sell goods you know your customers will be proud of. Dictograph Headsets are the choice of every expert and fan. Order through your jobber or write direct for names of authorized distributors.

**DICTOGRAPH PRODUCTS CORPORATION**  
220 W. 42nd St.

All Principal Cities

New York City



**The Standard  
of the World.**

Type R-1, 3000 ohms. For all types of crystal and vacuum tube receiving sets.

Tell 'Em You Saw It in the Citizens Radio Call Book



# Telephone Broadcasting Stations Listed by States

State, City, Call

**ALABAMA**  
 Auburn, WMAV  
 Birmingham, WOAY, WSY  
 Mobile, WEAP  
 Montgomery, WKAN

**ARIZONA**  
 Phoenix, KDYW, KFAD, KFCE  
 Tucson, KDZA, KFDD

**ARKANSAS**  
 Fort Smith, WCAE, WGAR  
 Little Rock, WCAV, WEAX  
 Pine Bluff, WOK

**CALIFORNIA**  
 Altadena, KGO  
 Bakersfield, KDZB, KYI  
 Berkeley, KQI, KRE  
 Del Monte, KLN  
 El Monte, KUY  
 Eureka, KNI  
 Fresno, KDZH, KMJ  
 Glendale, KFAC  
 Hanford, KFBD  
 Hollywood, KFAR  
 Long Beach, KSS  
 Los Angeles, KDZF  
 Los Angeles, KDZF, KDZP, KFCL, KFI, KHJ, KJS, KNN, KNY, KOG, KUS, KWH, KXS, KYJ  
 Modesto, KXD  
 Oakland, KFBN, KLX, KZM  
 Pasadena, KLB  
 Redding, KMC, KFAZ  
 Richmond, KFCE  
 Sacramento, KFBC, KVQ  
 San Diego, KDPT, KDYM, KDYO, KFBC, KFFA, KON  
 San Francisco, AGI, KDN, KDZG, KDZV, KDZX, KFDB, KLP, KLS, KPO, KSL, KUO, KZY  
 San Jose, KFAQ, KQW  
 San Luis Obispo, KFBE  
 Santa Ana, KFAW  
 Santa Barbara, KFBJ  
 Stanford Univ., KFGH  
 Stockton, KJQ, KWG  
 Sunnyvale, KJJ  
 Taft, KFEB  
 Venice, KFAV

**COLORADO**  
 Boulder, KFAJ  
 Colorado Springs, KFFQ, KFVB, KFCK, KHD  
 Denver, DD5, DN4, KDZQ, KEEP, KFAE, KFDD, KFEL, KLZ  
 Pueblo, KFGB  
 Trinidad, KFBS

**CONNECTICUT**  
 Bridgeport, WKAX  
 Greenwich, WAAQ  
 Hartford, WDAK  
 Middletown, WOAS  
 New Haven, WGAH, WPAJ  
 Waterbury, WQAD

**DELAWARE**  
 Wilmington, WHAV, WOAT, WPAW

**DISTRICT OF COLUMBIA**  
 Anacostia, NOF  
 Washington, WDM, WEAS, WHAQ, WIL, WIAY, WJH, WMU, WPM, WXX

**FLORIDA**  
 Jacksonville, WDAL  
 Miami, WFAW, WIAZ, WQAM  
 Pensacola, WGAN, WLVV  
 Tampa, WDAE, WEAT, WHAW  
 West Palm Beach, WKAH

**GEORGIA**  
 Atlanta, WGM, WSB  
 College Park, WDAJ  
 Decatur, WAAS  
 Gainesville, WKAY  
 Macon, WGAK, WMAZ  
 Savannah, WHAO

**IDAHO**  
 Boise, KFAU, KFDD, KFBJ, KFBB  
 Moscow, KFAN  
 Thomasville, WPAX  
 Wallace, KFCC

**ILLINOIS**  
 Belvidere, WOAG  
 Carthage, WRAM, WCAZ  
 Chicago, KYW, WAAF, WBU, WDAP, WJAZ, WSAH, WMAQ, WNAJ, WPAD  
 Decatur, WBAO, WCAP, WHAP  
 Galesburg, WRAM  
 Mattoon, WQAL  
 Peoria, WJAN  
 Quincy, WCAW, WCAZ  
 Rockford, WIAB  
 Springfield, WDAC  
 Tuscola, WDW  
 Urbana, WRM

**INDIANA**  
 Anderson, WEAW  
 Brooksville, WSAL  
 Evansville, WNAM, WOAU  
 Fort Wayne, WFAS  
 Greencastle, WLAX  
 Huntington, WHAY  
 Indianapolis, WLK, WOH  
 Marion, WIAQ  
 Mishawaka, WOOO  
 Muncie, WJAF, WQAR  
 Richmond, WQZ  
 South Bend, WGAZ  
 Terre Haute, WEAC  
 West Lafayette, WBAA

State, City, Call

**IOWA**  
 Ames, WOI  
 Burlington, WIAS, WLAT  
 Cedar Rapids, WJAM, WKAA  
 Centerville, WDAX  
 Council Bluffs, WPAF  
 Cresco, WNAG  
 Davenport, WHAI, WOC  
 Des Moines, WGF, WHX, KFDP  
 Dubuque, WQAK  
 Fort Dodge, WEAB, KFBR  
 Iowa City, WHAA  
 LeMars, WIAU, KFCE  
 Marshalltown, WLAR  
 Newton, WIAH  
 Shenandoah, WGAJ  
 Sigourney, WOAD  
 Sioux City, WEAU, WHAE  
 Vinton, WIAE  
 Waterloo, WHAC, WMAR, WRAN

**KANSAS**  
 Anthony, WBL  
 Atwood, WEAD  
 Beloit, WPAR  
 Eldorado, WAAH  
 Emporia, WAAZ  
 Hutchinson, WLAS  
 Independence, WFAY  
 Liberal, WMAG  
 Lindsborg, WDAD  
 Manhattan, WNAK, WTG  
 Marion, WRAD  
 Parsons, WOAJ  
 Salina, WFAD  
 Topeka, WJAJ, WPAM  
 Wichita, WAAP, WEAH, WEY

**KENTUCKY**  
 Bowling Green, WNAW  
 Lexington, WQAH  
 Frankfort, WOAK  
 Louisville, WHAS, WKAG, WLAP  
 Paducah, WIAR  
 Shock, WAAI

**LOUISIANA**  
 New Orleans, WAAB, WAAC, WCAG, WGV, WIAF, WWL  
 Shreveport, WGAQ

**MAINE**  
 Auburn, WMB  
 Bangor, WPAY  
 Houlton, WLAN  
 Portland, WJAL

**MARYLAND**  
 Baltimore, WCAO, WEAR, WKC, WNAV  
 Frostburg, WPAQ

**MASSACHUSETTS**  
 Boston, WAAJ, WFAU, WNAC  
 Dartmouth, WMAF  
 Lowell, WQAS  
 Medford Hillside, WGI  
 New Bedford, WDAU  
 Springfield, WBZ  
 Worcester, WCN, WDAS

**MICHIGAN**  
 Ann Arbor, WMAX, WQAJ  
 Bay City, WTP  
 Dearborn, WWI  
 Detroit, KOP, WCX, WWJ  
 East Lansing, WKAR  
 Flint, WEAH  
 Kalamazoo, WOAP, WLAQ  
 Lansing, WHAL  
 Laurium, WPAV  
 Saginaw, WIAW

**MINNESOTA**  
 Duluth, WJAP, WMAT  
 Hutchinson, WFAN  
 Minneapolis, WBAD, WBAH, WCAS, WLAG, WLB  
 Moorhead, WPAU  
 Northfield, WCAL  
 St. Cloud, WFAM  
 St. Paul, WAAH

**MISSOURI**  
 Butler, WNAR  
 Cameron, WFAQ  
 Cape Girardeau, WSAB  
 Columbia, WAAN  
 Independence, WPAG  
 Jefferson City, WOS  
 Joplin, WHAH  
 Kansas City, WDAF, WHB, WMAJ, WQO, WPE  
 Marshall, WIAT  
 Rockport, WMAD  
 St. Joseph, WEAK  
 St. Louis, KSD, WCK, WEB, WEW, WMAJ, WRAO  
 Springfield, WIAI, WKAS, WQAB  
 Tarkio, WIAT  
 Webster Grove, WOAL

**MONTANA**  
 Billings, KFCH  
 Butte, KFAP  
 Great Falls, KDYS  
 Havre, KFBB  
 Polytechnic, KFED

**NEBRASKA**  
 David City, WRAR  
 Fremont, WQAE  
 Hastings, WKAM, WQAY  
 Lincoln, WFAV, WGAT, WIAH, WJAB, WKAC, WLAF, WMAH, WQAP, WSAS, KFUD  
 Norfolk, WJAG  
 Oak, KFEQ  
 Omaha, WAAW, WDV, WIAK, WNAL, WOAW, WOU, WOV, KFCZ

State, City, Call

Rushville, WEAV  
 Tecumseh, WTAU  
 University Place, WCAJ  
 York, KFDR

**NEVADA**  
 Reno, KDZK, KFAS  
 NEW HAMPSHIRE  
 Laconia, WKAV  
 NEW JERSEY  
 Atlantic City, WHAR  
 Camden, WRP  
 Jersey City, WAAT, WNO  
 Moorestown, WBAF  
 Newark, WAAM, WBS, WJZ, WJWR  
 N. Plainfield, WEAM  
 Ocean City, WIAD  
 Paterson, WBAN  
 Roselle Park, WDY  
 Trenton, WMAL, WOAX  
 NEW MEXICO  
 Roswell, KNJ  
 State College, KOB

**NEW YORK**  
 Albany, WNJ  
 Amsterdam, WPAS  
 Binghamton, WIAV  
 Buffalo, WGR, WWT  
 Canton, WCAD  
 Cazenovia, WMAC  
 Ithaca, WEAI  
 Lockport, WMAK  
 Newburgh, WCB  
 New York, KDOW, WBAY, WDT, WEAF, WJX, WLAW, WWZ, WQAO  
 Poughkeepsie, WFAF  
 Rochester, WHAM  
 Ridgewood, WHN  
 Schenectady, WGY, WRL  
 Syracuse, WBAB, WDAI, WFAB, WLAH, WNAN  
 Tarrytown, WRW  
 Troy, WHAZ  
 Utica, WSL  
 Waterford, WFAQ

**NORTH CAROLINA**  
 Asheville, WFAJ  
 Charlotte, WBT  
 Raleigh, WLAC  
 Mayville, WRAC

**NORTH DAKOTA**  
 Fargo, WDAY, WPAK  
 Grand Forks, WOAB  
 Wahpeton, WMAW

**OHIO**  
 Akron, WOE  
 Canton, WWB  
 Cincinnati, WAAD, WHAG, WIZ, WLW, WMH  
 Cleveland, KDPM, WHK, WJAX  
 Columbus, WBVA, WCAH, WEAO, WMAN, WPAL  
 Dayton, WAI, WJAJ  
 Defiance, WCAQ  
 Fairfield, WL2  
 Granville, WJD  
 Hamilton, WBAU, WRK  
 Lebanon, WPG  
 Lima, WOAC  
 Marietta, WBAW, WSAA  
 Sandusky, WQAF  
 Springfield, WLAM, WNAP  
 Stockdale, WJAK  
 Toledo, WBAJ, WJK  
 Warren, WLAZ  
 Washington C. H., WGAX  
 Wooster, WGAU  
 Youngstown, WAAV  
 Yellow Springs, WRAV

**OKLAHOMA**  
 Ardmore, WOAA  
 Enid, WNAF  
 Muskogee, WDAV  
 Norman, WNAD  
 Okemah, WKAK  
 Oklahoma City, WKY, WMAB  
 Okmulgee, WPAC  
 Tulsa, WEH, WLAL

**OREGON**  
 Astoria, KFEM, KFGG  
 Corvallis, KFDD  
 Eugene, KFAT  
 Hood River, KQP  
 Marshfield, KFBH  
 Medford, KFAY  
 Pendleton, KPFE  
 Portland, KDYQ, KFEC, KGG, KGN, KGW, KQY  
 Salem, KFCD

**PENNSYLVANIA**  
 Altoona, WGAW  
 Bridgeport, WRAG  
 Brownsville, WDAQ  
 Clearfield, WPI  
 Crafton, WAAZ  
 Easton, WMAP  
 Erie, WQAV  
 Grove City, WSAJ  
 Johnstown, WTAC  
 Lancaster, WGAL  
 McKeesport, WIK  
 Parkersburg, WQAA  
 Philadelphia, WCAU, WDAW, WFI, WGL, WIP, WNAT, WOO, WWAD  
 Pittsburgh, KDKA, KOV, WCAE, WHAF, WJAS, WRAJ  
 Scranton, WLAO, WQAN, WRAY  
 State College, WPAB

State, City, Call

Villanova, WCAM  
 Wilkes-Barre, WBAX, WKAZ, WNAH

**RHODE ISLAND**  
 Cranston, WKAP  
 Edgewood, WEAG  
 East Providence, WKAD  
 Providence, WEAN, WJAR

**SOUTH CAROLINA**  
 Charleston, WFAZ, WNAQ, WOAH, WEAQ  
 Greenville, WQAV  
 Orangeburg, WGM

**SOUTH DAKOTA**  
 Rapid City, WCAT  
 Sioux City, WFAT  
 Vermillion, WEAJ  
 Yankton, WAJU, WNAK

**TENNESSEE**  
 Knoxville, WNAV  
 Lawrenceburg, WOAN  
 Memphis, WPO, WMC

**TEXAS**  
 Abilene, WQAG  
 Amarillo, WDAQ, WRAU, WRAU  
 Amarillo, WDAW, WRAU  
 Austin, WCM, WNAS  
 Beaumont, WMAM  
 College Station, WTAW  
 Dallas, WDAO, WFAA, WRR  
 El Paso, WDAH, WPAI  
 Fort Worth, WBAW, WPA  
 Galveston, WHAB, WIAC  
 Houston, WCAK, WEAY, WEF, WGB, WRAA, WSAV, KFCV  
 Orange, WKAI  
 Plainfield, WSAI  
 Port Arthur, WFAH  
 San Antonio, AS6, DM7, WCAR, WJAE, WQAI  
 Stamford, WQAZ  
 Tyler, WQAF  
 Waco, WIAD, WLAI, WWAC  
 Wichita Falls, WKAF

**UTAH**  
 Ogden, KDZL, KFCE  
 Salt Lake City, KDYL, KDYV, KZN

**VERMONT**  
 Bellows Falls, WLAK  
 Burlington, WCAX  
 Springfield, WQAE

**VIRGINIA**  
 Blacksburg, WEAH  
 Fortress Monroe, WNAV  
 Portsmouth, WQAO

**WASHINGTON**  
 Aberdeen, KNT  
 Bellingham, KDZR  
 Centralia, KDZM  
 Everett, KDZZ, KFBL  
 Lacey, KGY  
 Pullman, KFAE  
 Seattle, KDZE, KDZT, KPC, KHQ, KJR, KTW, KZC  
 Spokane, KFDC, KFZ  
 Tacoma, BEI, KFBC, KFEJ, KGB, KMO  
 Walla Walla, KFCE  
 Wenatchee, KDZI, KZV  
 Yakima, KFV

**WEST VIRGINIA**  
 Charleston, WPAZ  
 Morgantown, WHD

**WISCONSIN**  
 Beloit, WKAV  
 Kenosha, WOAR  
 Madison, WGAY, WHA  
 Milwaukee, WAAK, WCAV, WHAD, WIAO  
 Neenah, WIAJ  
 Superior, WFAC  
 Waupaca, WPAH

**WYOMING**  
 Casper, KFCC, KFDF  
 Laramie, KFBU

**ALASKA**  
 Fairbanks, WLAY

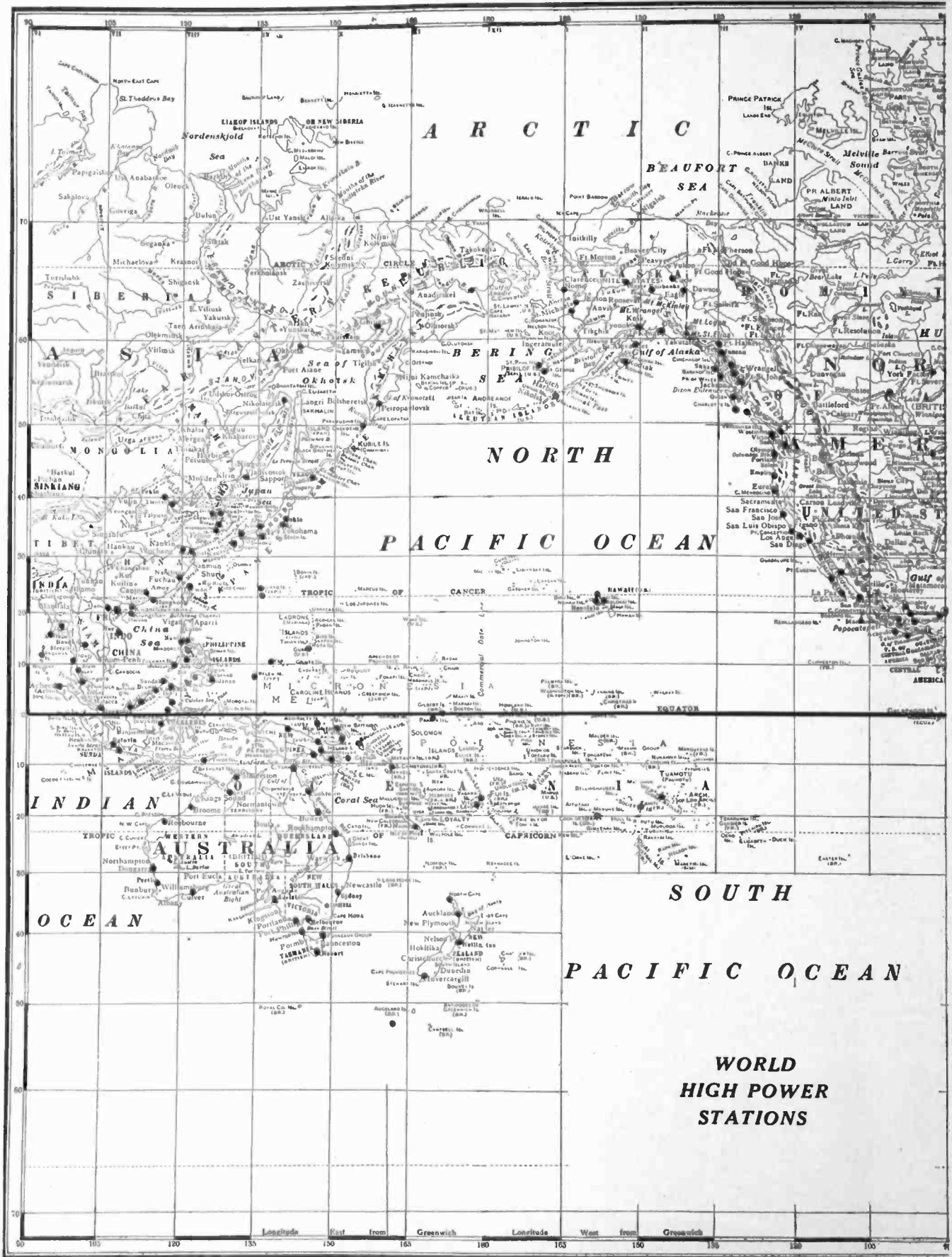
**HAWAII**  
 Honolulu, KDXY, KGU, KYQ

**PORTO RICO**  
 Ensenada, WGAD  
 San Juan, WKAQ

**CANADA**  
 Calgary, CHBC, CHCQ, CFAC, CFCA, CJCJ  
 Edmonton, CHCC, CJCA  
 Fort Frances, CFPC  
 Halifax, CFCE, CJCS  
 Hamilton, CKOK  
 Ingonis Falls, CFCH  
 Kitchener, CJCF  
 London, CFCX, CHCS, CJGC, CKQC  
 Montreal, CFCF, CFZC, CHCX, CHYC, CJBC, CKAC, CKCS  
 Nelson, CJCB  
 Ottawa, CHXC  
 Regina, CKCK  
 St. John, CJCI, CKCR  
 Toronto, CFCA, CFTC, CHCB, CHCZ, CHVC, CJCD, CJCH, CJCN, CJSC, CKCE, CKCZ, CKKC  
 Vancouver, CFCB, CFYC, CHCA, CHOC, CJCE, CKCD  
 Walkerville, CFCE  
 Winnipeg, CHCF, CJCG, CKCB, CKCZ, CJNC

**CUBA**  
 Havana, PWX

# HIGH POWER STATIONS







# World's Time and Press Schedules and High Power Transoceanic Stations



Time G.M.T.	Station.	Call Sign.	Wave-length.	System.	Remarks.
Midnight	Cadiz	EAC	2,500	Spark	Press in Spanish (daily, except Sunday night).
Midnight	Leafield (Oxford)	GBL	8,750	C.W.	Press in English.
Midnight	Paris	FL	8,000	C.W.	Working with FF (Sofia) and WAR (Warsaw).
Midnight	Darien	NBA	10,500	C.W.	Calls NPL (San Diego).
Midnight	Lyons	YN	15,100	C.W.	
0015	San Diego	NPL	9,800	C.W.	Traffic with NBA (Darien).
0100	Paris	FL	8,000	C.W.	Working with HFB (Belgrade) and SEW (Nicolaiieff).
0100	Tours	YG	5,300	C.W.	Traffic with CNM (Mediouana).
0100	Bombay	VWB	2,000	Spark	Meteorological report.
0100	Madras	VWM	2,000	Spark	Meteorological report.
0100	Rangoon	VTR	1,200	Spark	Meteorological report.
0110	Rochefort	FUR	2,800	C.W.	Meteorological report.
0115	Cherbourg	FUC	3,300	C.W.	Broadcast weather report.
0115	Lorient	FUN	2,800	C.W.	Meteorological report.
0120	Brest	FUE	2,800	C.W.	Broadcast weather report.
0130	Barrington Passage (Canada)	VAL	1,600	Spark	
0130	Karachi	VWK	2,000	Spark	Meteorological report.
0130	Calcutta	VWC	2,000	Spark	Meteorological report.
0130	Annapolis	NSS	17,000	C.W.	General weather report.
0145	Fame Point	VCG	600	Spark	Meteorological and ice report.
0150	Toulon-Mourillon	FUT	5,150	C.W.	Mediterranean synoptic meteorological report.
0150	Bucharest	BUC	7,500	C.W.	Meteorological report.
0157 to 0200	Melbourne	VIM	600	Spark	Time signals (International scheme).
0200	Air Ministry	GFA	1,400	C.W.	Meteorological report and route traffic.
0200	Cape Sable	VCV	600	Spark	Meteorological and ice report.
0200	Paris	FL	8,000	C.W.	Working with FF (Sofia).
0200	Air Ministry	GFA	1,400	C.W.	Meteorological message (0100 observation).
0210	Warsaw	WAR	2,500	Spark	Meteorological report.
0215	Cape Race	VCE	600	Spark	Meteorological and ice report.
0220	Paris	FL	2,600	Spark	Meteorological observation at 0100, followed by a forecast valid until the evening of the same day.
0230	Adelaide	VIA	600	Spark	Time signals (International scheme).
0230	Belle Isle	VCM	600	Spark	Meteorological and ice report.
0230	Nantes	UA	9,000	C.W.	Calls FRI (general call to French war vessels).
0255	Helsingfors	OJA	4,100	C.W.	Finnish Meteorological report.
0255	Annapolis	NSS	17,000	C.W.	Time signals followed by weather reports.
0300	Paris	FL	6,500	C.W.	Working to HB (Budapest) and PSO (Posen).
0300	Lyons	YN	15,000	C.W.	
0300	Ain-el-Turk (Algiers)	FUO	3,300	C.W.	Algerian synoptic meteorological report.
0300	Cayey	NZR	10,500	C.W.	Traffic with NBA (Darien).
0300	Darien	NBA	10,100	C.W.	Traffic with NZR (Cayey) followed by traffic with NSS (Annapolis).
0315	Bizerta	FUA	5,150	C.W.	Meteorological report.
0315	Paris	FL	6,500	C.W.	Working to VSL (Vasluin).
0315	Sidi-Abdallah	FUA	5,150	C.W.	North African synoptic meteorological report.
0328	Paris (Le Bourget)	ZM	1,680	C.W.	Hourly route. Meteorological report (summer only).
0330	Paris	FL	6,500	C.W.	Working to OHD (Vienna).
0335	Air Ministry	GFA	1,400	C.W.	
0400	Paris	FL	3,200	C.W.	Working to FUD (Dunkirk), etc.
0428	Paris (Le Bourget)	ZM	1,680	C.W.	Hourly route. Meteorological report (summer only).
0430	Paris	FL	8,000	C.W.	Press in French, and traffic with MSK (Moscow).
0500	Rome	IDO	11,000	C.W.	Working with BUC (Bucharest).
0509	Valenciennes	AV	1,400	C.W.	Hourly route meteorological report.
0509	St. Inglevert	AM	1,200	C.W.	Hourly route meteorological report.
0518	Romilly-sur-Seine	AF	1,400	C.W.	Meteorological report.
0528	Paris (Le Bourget)	ZM	1,680	C.W.	Meteorological hourly route weather report.
0530	Pola	IQZ	3,200	Spark	Navigation warnings.
0535	Air Ministry	GFA	1,680	C.W.	Hourly route meteorological report.
0550 to 0090	Königswusterhausen	LP	5,250	C.W.	Meteorological message (aviation).
0600	Nauen	POZ	9,400	C.W.	Traffic with MSP (Moscow).
0600	Air Ministry	GFA	4,100	C.W.	0100 observation.
0600	Moscow	MSK	5,000	Spark	Press.
0600	Rome	IDO	11,000	C.W.	Press.
0605	Paris	FL	8,000	C.W.	Working with WAR.
0605	Valenciennes	AV	1,400	C.W.	Hourly route meteorological report.
0605	St. Inglevert	AM	1,400	C.W.	Meteorological report.
0615	Metz	YC	1,450	C.W.	E. France and Rhine synoptic meteorological report.
0613	Romilly-sur-Seine	AF	1,400	C.W.	Meteorological report.
0624	Brussels	HS	1,680	C.W.	Hourly route meteorological report.
0625	Nancy	AC	1,200	C.W.	Meteorological report.
0628	Paris (Le Bourget)	ZM	1,680	C.W.	Meteorological route weather report.
0635	Königswusterhausen	LP	5,250	C.W.	Meteorological report (aviation) and forecast for Central Europe.

## World's Time and Press Schedules and High Power Transoceanic Stations

Time G.M.T.	Station.	Call Sign.	Wave- length.	System.	Remarks.
0635	Air Ministry	GFA	1,680	C.W.	Hourly route meteorological report.
0635	Strasbourg	AG	1,400	C.W.	Meteorological report.
0650	Königswusterhausen	LP	5,250	C.W.	European synoptic meteorological report.
0650	Paris (Le Bourget)	ZM	1,400	C.W.	Aviation forecast.
0655	Sofia	FF	3,500	Spark	Bulgarian synoptic meteorological report.
0700	Bordeaux	LY	23,450	C.W.	Working with HZH (Brazzaville).
0700	Paris	FL	3,200	C.W.	Working with FUE (Brest) and UA (Nantes).
0700	Tangiers	CNW	600	Spark	Meteorological report.
0700	Nicolaiev	SEW	4,000	Spark	C.Q.'s and Press.
0700	Prague	PRG	4,600	C.W.	Traffic with FF (Sofia).
0700	Königswusterhausen	LP	2,500	C.W.	Telephony.
0700	Montélimar	AQ	1,680	C.W.	Meteorological report.
0705	Athens	SXG	1,200	Spark	Meteorological report.
0705	Valenciennes	AV	1,400	C.W.	Hourly route meteorological report.
0705	Renfrew	GER	1,300	C.W.	Meteorological report.
0706	Nimes	AN	1,680	C.W.	Meteorological report.
0709	St. Inglevert	AM	1,200	C.W.	Hourly route meteorological report.
0709	Lyons	AL	1,400	C.W.	Meteorological report.
0710	Perpignan	AP	1,300	C.W.	Meteorological report.
0710	Antibes	AK	1,680	C.W.	Meteorological report.
0710	Rochefort	FUR	2,800	C.W.	Meteorological report.
0713	Dijon	AD	1,400	C.W.	Meteorological report.
0715	Lorient	FUN	2,800	C.W.	Meteorological report.
0715	Cherbourg	FUC	3,200	C.W.	Meteorological report.
0715	Paris	FL	6,500	C.W.	Working to HFB (Belgrade).
0715	Bayonne	AY	1,300	C.W.	Meteorological report.
0715	Nancy	AC	1,200	C.W.	Meteorological report.
0715	Borkum	KBM	1,250	Spark	Meteorological report.
0718	Romilly-sur-Seine	AF	1,400	C.W.	Meteorological report.
0720	Ajaccio	FJ	1,750	C.W.	Meteorological report.
0720	Wilhelmshaven	FUL	1,250	Spark	Meteorological report.
0720	Brest	FUE	2,800	C.W.	Broadcast weather report.
0724	Brussels	HS	1,680	C.W.	Meteorological message (route weather report).
0725	Strasbourg	AG	1,400	C.W.	Meteorological report.
0725	Swinemünde	KAW	1,000	Spark	Meteorological report.
0728	Paris (Le Bourget)	ZM	1,680	C.W.	Meteorological route weather report.
0730	Frankfort-on-Maine	FR	1,875	C.W.	Meteorological report.
0730	Mayence	LUX	2,200	C.W.	Meteorological report.
0730	Gibraltar	BWW	4,800	C.W.	Naval weather report to Air Ministry (GFA).
0730	Nantes	UA	9,000	C.W.	Calls FRI (general call to French war vessels).
0730	Soesterberg	STB	1,900	C.W.	Dutch meteorological report.
0735	Marignane	AX	1,680	C.W.	Meteorological report.
0735	Air Ministry	GFA	1,680	C.W.	Meteorological message (aviation).
0735	Tours	YG	1,900	C.W.	W.S.W. and Central France synoptic meteorological report.
0735	Lyngby	OXE	3,650	C.W.	Danish meteorological synoptic message.
0740	Reval	ELN	2,000	Spark	Estonian synoptic meteorological report.
0740	Metz	YC	1,450	C.W.	Meteorological synoptic message for E. France and Rhine.
0740	Belgrade	HFB	4,600	C.W.	Meteorological report, but very irregular.
0740	Karlsborg (Sweden)	SAJ	4,300	C.W.	Swedish meteorological report.
0745	Berlin	DL	2,000	C.W.	Meteorological message.
0745	Soesterberg	STB	1,680	C.W.	Meteorological message (aviation).
0750	Bucharest	BUC	7,500	C.W.	Roumanian synoptic meteorological report.
0750	Toulon	FUT	5,100	C.W.	Mediterranean meteorological report.
0750	Christiania	LCH	8,000	C.W.	Norwegian meteorological report.
0750	Air Ministry (London)	GFA	900	C.W.	Calibration waves.
0800	Lyons	YN	15,500	C.W.	Time signals (beats) in sidereal time.
0800	Lisbon	PQL	1,000	Spark	Meteorological report.
0800	Rome	IDO	11,000	C.W.	Press in French.
0800	Air Ministry (London)	GFA	1,680	C.W.	Calibration waves.
0800	Gibraltar	BWW	4,800	C.W.	Meteorological message (plain language).
0800	Aranjuez	EAA	6,700	C.W.	Traffic with POZ (Nauen).
0800	Nauen	POZ	9,400	C.W.	Replies to EAA (Aranjuez).
0800	Air Ministry	GFA	4,100	C.W.	British meteorological synoptic report. (0700 observation), including reports from Faroe and Iceland.
0805	Valenciennes	AV	1,400	C.W.	Hourly route meteorological report.
0809	St. Inglevert	AM	1,200	C.W.	Hourly route meteorological report.
0810	Warsaw	WAR	2,500	Spark	Meteorological report.
0815	Paris	FL	2,600	Spark	French, Belgian, Swiss, and Netherlands synoptic meteorological reports.
0818	Romilly-sur-Seine	AF	1,400	C.W.	Meteorological report.
0820	Paris	FL	2,600	Spark	Meteorological observations at 0700.
0820	Vienna	OHD	5,600	C.W.	Meteorological report.
0824	Stonehaven	GSW	4,000	Spark	Traffic to TFA.
0824	Brussels	HS	1,680	C.W.	Meteorological message (aviation).
0828	Paris (Le Bourget)	ZM	1,680	C.W.	Meteorological message (aviation).
0830	Lyons	YN	15,100	C.W.	Press service to Central Africa.
0830	Prague	PRG	4,600	C.W.	Traffic with WAR (Warsaw).
0835	Air Ministry	GFA	1,680	C.W.	Meteorological message (aviation).
0835	Nancy	AC	1,200	C.W.	Meteorological report.
0840	Königswusterhausen	LP	5,150	C.W.	German synoptic report.
0845	Air Ministry	GFA	1,680	C.W.	Calibration waves.
0845	Medionna Marco	CNM	5,000	C.W.	Moroccan synoptic meteorological report.
0850	Paris (Le Bourget)	ZM	1,680	C.W.	Synoptic message (meteorological report).
0850	Lyons	YN	15,100	C.W.	Times for 0800 time signals.
0850	Air Ministry	GFA	4,100	C.W.	International synoptic weather report.
0850	Königswusterhausen	LP	5,150	C.W.	International synoptic report.
0850	Christiania	LCH	8,000	C.W.	Norwegian meteorological synoptic message
0855	Helsingfors	OJA	4,100	C.W.	Finnish meteorological report.
0855	Soesterberg	STB	1,900	C.W.	Dutch upper air report.
0857	Lyons	YN	15,500	C.W.	French time signals (old system).

## World's Time and Press Schedules and High Power Transoceanic Stations

Time G.M.T.	Station.	Call Sign.	Wave- length.	System.	Remarks.
0900	Ain-el-Turk	FUO	3,500	C.W.	Algerian and Moroccan synoptic meteorological report.
0900	Malta (Rinella Bay)	BYZ	4,200	C.W.	Meteorological message (plain language).
0904	Lyons	YN	15,100	C.W.	Service with FRU.
0905	Königswusterhausen	LP	5,150	C.W.	Aviation report.
0905	Paris	FL	6,500	C.W.	Press in German for OHD (Vienna).
0905	Valenciennes	AV	1,400	C.W.	Hourly route (meteorological report).
0909	Lyons	AL	1,400	C.W.	Meteorological report.
0909	St. Inglevert	AM	1,200	C.W.	Hourly route (meteorological report).
0910	Perpignan	AP	1,300	C.W.	Meteorological report.
0913	Dijon	AD	1,400	C.W.	Meteorological report.
0915	Air Ministry	GFA	4,100	C.W.	Meteorological message (general report in plain language and forecast for Great Britain).
0915	Königswusterhausen	LP	5,250	C.W.	Meteorological report (upper winds).
0915	Nauen	POZ	9,400	C.W.	Traffic with MSP (Moscow).
0918	Romilly-sur-Seine	AF	1,400	C.W.	Meteorological report.
0920	Sidi Abdallah	FUA	5,150	C.W.	North African synoptic meteorological report.
0920	Budapest	HB	3,000	Spark	Hungarian synoptic meteorological report.
0920	Lisbon	CTV	1,100	Spark	C.Q. calls.
0924	Brussels	HS	1,680	C.W.	Meteorological message (aviation).
0925	Paris	FL	2,600	Spark	International time signals.
0925	Nancy	AC	1,200	C.W.	Meteorological report.
0928	Paris (Le Bourget)	ZM	1,680	C.W.	Meteorological route weather report.
0930	Rome	IDO	11,000	C.W.	Italian synoptic meteorological message.
0930	Prague	PRG	4,500	C.W.	Czecho-Slovakian meteorological message.
0930	Montélimar	AQ	1,680	C.W.	Meteorological report.
0930	Helsingfors	OJA	6,200	C.W.	Press in English.
0930	Rome (Centocelle)	ICD	2,250	Spark	Italian synoptic meteorological report.
0935	Air Ministry	GFA	1,680	C.W.	Meteorological message (aviation).
0936	Nimes	AN	1,680	C.W.	Meteorological report.
0940	Antibes	AK	1,680	C.W.	Meteorological report.
0940	Rochefort	FUR	2,800	C.W.	Meteorological report.
0945	Lorient	FUN	2,800	C.W.	Meteorological report.
0946	Cherbourg	FUC	3,300	C.W.	Broadcast weather report.
0945	Bayonne	AY	1,300	C.W.	Meteorological report.
0945	Rome	IDO	11,000	C.W.	Stock Exchange news.
0945	Soesterberg	STB	1,680	C.W.	Meteorological message (aviation).
0945	Bucharest	BUC	7,400	C.W.	Press in French.
0950	Toulouse	YF	1,850	C.W.	Meteorological report.
0950	Brest	FUE	2,800	C.W.	Broadcast weather report.
1000	Carabanchal	EGC	2,000	Spark	Meteorological report.
1000	Reykjavik (Iceland)	TFA	1,800	Spark	Meteorological report.
1000	Paris	FL	2,600	Spark	Time signals (beats) in sidereal time.
1000	Rome (Centocelle)	ICD	3,200	C.W.	Telephony.
1003	Paris	FL	3,200	C.W.	Working with PRG (Prague).
1005	Tours	YG	1,900	C.W.	Meteorological synoptic report for S. and S.W. and Central France.
1005	Lerwick	GEL	900 or 1,400	Spark	Meteorological report (Reykjairk) to Air Ministry.
1005	Renfrew	GER	1,300	C.W.	Meteorological report to Air Ministry.
1007	Paris	LO	6,500	C.W.	Calibration waves on 1st, 10th and 20th of month.
1009	St. Inglevert	AM	1,200	C.W.	Hourly route meteorological report.
1010	Mingane	AX	1,680	C.W.	Meteorological report.
1010	Warsaw	WAR	2,100	Spark	Press message.
1015	Norddeich	KAV	600	Spark	General meteorological inference for North Sea (in German).
1015	Strasbourg	AG	2,500	C.W.	Meteorological report.
1015	Metz	YC	1,450	C.W.	E. France and Rhine synoptic meteorological report.
1018	Romilly-sur-Seine	AF	1,200	C.W.	Meteorological report.
1020	Paris	LO	8,000	C.W.	Calibration waves on 1st, 10th and 20th of month.
1020	Toulon-Mourillon	FUT	5,150	C.W.	Mediterranean synoptic meteorological report.
1024	Brussels	HS	1,680	C.W.	Meteorological message (aviation).
1028	Paris (Le Bourget)	ZM	1,680	C.W.	Meteorological message (aviation).
1030	Swinemünde	KAW	600	Spark	General inference for W. and Central Baltic (in German).
1030	Königswusterhausen	LP	2,500	C.W.	Telephony.
1035	Paris	FL	2,600	Spark	Times for 1000 time signals.
1035	Air Ministry	GFA	1,400	C.W.	Meteorological message (aviation).
1035	Paris	FL	2,600	Spark	(60 kW in aerial) URSI signals.
1035	Paris	LO	1,680	C.W.	Calibration waves on 1st, 10th and 20th of month.
1038	Paris	FL	2,600	Spark	Groups indicating exact sidereal time of beats 1 & 300 of rhythmic signals sent at 1000 time signals.
1040	Christiania	LCH	5,400	C.W.	Press to PTG (Petrograd).
1044	Paris	FL	2,600	Spark	Time signals (old system).
1045	Swinemünde	KAW	1,000	Spark	Meteorological report.
1045	Soesterberg	STB	1,680	C.W.	Meteorological message (aviation).
1050	Paris (Le Bourget)	ZM	1,680	C.W.	Plain language meteorological report.
1100	Eilvese	OUI	9,600	C.W.	Transatlantic Press (in German).
1100	Borkum	KBM	1,250	Spark	Meteorological report.
1100	Nauen	POZ	9,400	C.W.	Traffic with EAA (Aranjuez).
1100	Paris	FL	6,500	C.W.	Service with HB (Budapest).
1100	Lyngby	OXE	5,600	C.W.	Press in English.
1100	Prague	PRG	4,100	C.W.	Calls, NSS (Annapolis).
1100	Perth	VIP	600	Spark	Time signals.
1105	Valenciennes	AV	1,400	C.W.	Hourly route meteorological report
1105	Toulouse	AU	1,300	C.W.	Meteorological report.
1109	St. Inglevert	AM	1,200	C.W.	Hourly route meteorological report
1110	Perpignan	AP	1,300	C.W.	Meteorological report.
1110	Vossegat	BE	1,000	C.W.	Dutch plain language report.
1115	Scheveningen Haven	PCH	1,800	Spark	Dutch synoptic meteorological report for North Sea
1115	Antibes	AK	1,680	C.W.	Meteorological report.
1118	Romilly-sur-Seine	AF	1,400	C.W.	Meteorological report.



## World's Time and Press Schedules and High Power Transoceanic Stations

Time G.M.T.	Station.	Call Sign.	Wave- length.	System.	Remarks.
1124	Brussels	HS	1,680	C.W.	Meteorological message (aviation).
1125	Nancy	AC	1,200	C.W.	Meteorological report.
1128	Paris (Le Bourget)	ZM	1,680	C.W.	Meteorological route weather report.
1130	Paris	FL	2,600	Spark	European synoptic meteorological message.
1135	Air Ministry	GFA	1,680	C.W.	Meteorological message (aviation).
1145	Ain-el-Turk	FUO	3,300	C.W.	Algerian synoptic meteorological report and forecast.
1150	Paris (Le Bourget)	ZM	1,400	C.W.	Meteorological forecast (aviation). Plain language.
1155	Nauen	POZ	3,900	Spark	Time signals and "Debeg" Code.
1200	Sidi-Abdallah	FUA	1,350	Spark	Algerian and Tunisian synoptic meteorological report and forecast.
1200	Coltano	ICI	4,200 or 5,900	Spark C.W.	Traffic with EAB (Barcelona).
1200	Tours	YG	5,500	C.W.	Press in German for OHD (Vienna).
1200	Brussels	HS	1,500	C.W.	Meteorological report (slowly and repeated).
1200	Nauen	POZ	3,100	Spark	Time signals (International).
1200	Paris	YA	1,950	C.W.	
1200	Prague	PRG	4,100	C.W.	Press in French.
1205	Paris	FL	3,200	Spark	Press in French.
1205	Valenciennes	AV	1,400	C.W.	Hourly route meteorological report.
1209	St. Ingelvert	AM	6,200	C.W.	Hourly route meteorological report.
1220	Nauen	POZ	9,400 4,700	C.W.	Press in German on 9,400; repeated on chopped C.W. on 4,700.
1224	Brussels	HS	1,680	C.W.	Aviation meteorological report.
1228	Paris (Le Bourget)	ZM	1,680	C.W.	Meteorological message (aviation).
1230	Lyons	YN	15,100	C.W.	Press in English for NSS (Annapolis).
1235	Air Ministry	GFA	1,680	C.W.	Meteorological message (aviation).
1255	Valparaiso	CCE	600	Spark	Time signals (except Saturdays, Sundays, and holidays).
1300	Tangiers	CNW	600	Spark	Meteorological report.
1300	Rangoon	VTR	1,200	Spark	Meteorological report.
1300	Bombay	VWB	2,000	Spark	Meteorological report.
1300	Madras	VWM	2,000	Spark	Meteorological report.
1300	Durban	VND	2,000	Spark	Daily forecast (except Sundays).
1300	Montelimar	AQ	1,680	C.W.	Meteorological report.
1300	Vienna	OHD	5,600	C.W.	Traffic with HFC (Sarajevo).
1300	Moscow	MSP	6,700	C.W.	Working with PSO and HB.
1305	Renfrew	GER	1,300	C.W.	Meteorological report to Air Ministry.
1305	Valenciennes	AV	1,400	C.W.	Hourly route meteorological report.
1305	Casablanca	CNP	600	Spark	Meteorological report.
1306	Nimes	AN	1,680	C.W.	Meteorological report.
1309	Lyons	AL	1,400	C.W.	Meteorological report.
1309	St. Ingelvert	AM	1,200	C.W.	Hourly route meteorological report.
1310	Antibes	AK	1,680	C.W.	Meteorological report.
1310	Perpignan	AP	1,300	C.W.	Meteorological report.
1310	Rochefort	FUR	2,800	C.W.	Meteorological report.
1310	Amsterdam		1,800	C.W.	Telephony (Stock Exchange).
1313	Dijon	AD	1,400	C.W.	Meteorological report.
1315	Eilvese	OUI	14,400	C.W.	Press
1315	Cherbourg	FUC	3,300	C.W.	Meteorological report.
1315	Bayonne	AY	1,300	C.W.	Meteorological report.
1315	Nancy	AC	1,450	C.W.	Meteorological report.
1315	Lorient	FUN	2,800	C.W.	Meteorological report.
1315	Romilly-sur-Seine	AF	1,400	C.W.	Meteorological report.
1318	Prague	PRG	4,600	C.W.	Press in Czech.
1320	Brest	FUE	2,800	C.W.	Meteorological report.
1320	Ajaccio	FJ	1,750	C.W.	Meteorological report.
1324	Brussels	HS	1,680	C.W.	Meteorological message (aviation).
1325	Borkum	KBM	1,250	Spark	Meteorological report.
1325	Wilhelmshaven	FUL	1,250	Spark	Meteorological report.
1325	Toulouse	YF	1,850	C.W.	Meteorological report.
1325	Strasbourg	AG	1,400	C.W.	Meteorological report.
1328	Paris (Le Bourget)	ZM	1,680	C.W.	Meteorological message (aviation).
1330	Soesterberg	STB	1,900	C.W.	
1330	Paris	FL	6,500	C.W.	Traffic with PSO (Posen).
1330	Belgrade	HFB	4,600	C.W.	Meteorological report.
1330	Bordeaux	LY	23,450	C.W.	Press in English for WGG (Tuckerton).
1330	Karachi	VWK	2,000	Spark	Meteorological report.
1330	Mayence	LUX	2,200	Spark	Meteorological report.
1330	Calcutta	VWC	2,000	Spark	Meteorological report.
1330	Barrington Passage	VAL	1,600	Spark	Meteorological report.
1330	Port Blair	VTP	1,200	Spark	Meteorological report.
1330	Annapolis	NSS	17,000	C.W.	General weather report.
1330	Frankfort-on-Maine	FR	1,875	C.W.	Meteorological report.
1335	Tours	YG	1,900	C.W.	W., S.W. and Central France synoptic meteorological report
1335	Marignane	AX	1,680	C.W.	Meteorological report.
1335	Lyngby	OXE	3,650	C.W.	Danish synoptic meteorological message.
1335	Air Ministry	GFA	1,680	C.W.	Meteorological message (aviation).
1340	Metz	YC	1,450	C.W.	Synoptic meteorological report for E. France and Rhine.
1340	Karlsborg	SAJ	4,300	C.W.	Swedish synoptic meteorological report.
1345	Fame Point	VCG	600	Spark	Meteorological and ice report.
1345	Berlin	DL	2,000	C.W.	
1345	Soesterberg	STB	1,680	C.W.	Meteorological report (aviation).
1345	Agadir	CNA	600	Spark	Meteorological report.
1350	Bucharest	BUC	7,500	C.W.	Roumanian synoptic meteorological report.
1350	Toulon-Mourillon	FUT	2,800	C.W.	Mediterranean synoptic meteorological report.
1350	Christiana	LCH	8,000	C.W.	Meteorological report.
1355	Sofia	FF	3,500	Spark	Synoptic meteorological report.
1357	Melbourne	VIM	600	Spark	Time signals (International scheme).
1400	Cape Sable	VCU	600	Spark	Meteorological and ice report.
1400	Air Ministry	GFA	4,100	C.W.	British synoptic meteorological message including reports from Faroe and Iceland.

## World's Time and Press Schedules and High Power Transoceanic Stations

Time G.M.T.	Station.	Call Sign.	Wave- length.	System.	Remarks.
1400 to 1600 }	The Hague	PCGG	1,085	Telephony	Sundays.
1400	North Foreland	GNF	600	Spark	Navigation warnings.
1400	Prague	PRG	4,600	C.W.	Traffic with IQZ (Pola).
1405	Valenciennes	AV	1,400	C.W.	Hourly route meteorological report.
1409	St. Inglevert	AM	1,200	C.W.	Hourly route meteorological report.
1410	Warsaw	WAR	2,500	Spark	Meteorological report.
1415	Cape Race	VCE	600	Spark	Meteorological and ice report.
1420	Paris	FL	2,600	C.W.	French, Belgian and Swiss synoptic meteorological message.
1428	Paris (Le Bourget)	ZM	1,680	C.W.	Meteorological message (aviation).
1430	Mediouna	CNM	5,000	C.W.	Moroccan synoptic meteorological report.
1430	Nantes	UA	9,000	C.W.	Calls FRI (general call for French war vessels).
1430	Belle Isle	VCM	600	Spark	Meteorological and ice report.
1430	Adelaide	VIA	600	Spark	Time signals (International scheme).
1435	Air Ministry	GFA	1,680	C.W.	Meteorological message (aviation).
1435	Paris	FL	6,500	C.W.	Working with HFB (Belgrade).
1445	Ain-el-Turk	FUO	3,300	C.W.	Algerian and Moroccan synoptic meteorological report.
1455	Helsingfors	OJA	4,100	C.W.	Finnish synoptic meteorological report.
1500	Paris	YA	1,950	C.W.	Calls.
1500	Nantes	UA	9,000	C.W.	Working with OSM (Constantinople).
1505	Soesterberg	STB	1,900	C.W.	Dutch upper air report.
1505	Valenciennes	AV	1,400	C.W.	Hourly route meteorological report.
1509	St. Inglevert	AM	1,200	C.W.	Hourly route meteorological report.
1510	Petrograd	PTG	1,600	Spark	Meteorological report.
1515	Paris	FL	8,000	C.W.	Traffic with BUC (Bucharest).
1518	Romilly-sur-Seine	AF	1,400	C.W.	Meteorological report.
1520	Sidi Abdallah	FUA	5,150	C.W.	North African synoptic meteorological report.
1520	Vienna	OHL	5,600	C.W.	Austrian synoptic meteorological report.
1524	Brussels	HS	1,680	C.W.	Meteorological message (aviation).
1528	Paris (Le Bourget)	ZM	1,680	C.W.	Meteorological message (aviation).
1530	Arlington	NAA	5,950	C.W.	Meteorological synoptic message (marine and aviation) pre- fixed by "U.S.W.B."
1530	Prague	PRG	4,700	C.W.	Meteorological report.
1530	Madrid	EGC	2,000	Spark	Spanish synoptic meteorological message.
1535	Air Ministry	GFA	1,680	C.W.	Meteorological message (aviation).
1545	Philadelphia	NAI	1,950	Spark	Wind and weather forecast.
1550	Königs wusterhausen	LP	5,250	C.W.	European synoptic meteorological message and forecast for Central Europe.
1600	Tours	YG	5,500	C.W.	Press for Bucharest.
1600	Moscow	MSK	5,100	Spark	Traffic with LCH (Christiania).
1600	Jacksonville (Florida)	NFI	450	Spark	Wind and weather report.
1605	Valenciennes	AV	1,400	C.W.	Hourly route meteorological report.
1609	St. Inglevert	AM	1,200	C.W.	Hourly meteorological report.
1624	Brussels	HS	1,680	C.W.	
1628	Paris (Le Bourget)	ZM	1,680	C.W.	Meteorological message (aviation).
1635	Air Ministry	GFA	1,680	C.W.	Meteorological message (aviation).
1645	Swinemünde	KAW	1,000	Spark	Meteorological report.
1645	Pensacola (Florida)	NAS	2,250	Spark	Wind and weather report.
1655	Annapolis	NSS	17,000	C.W.	Time signals, followed by weather report.
1700	Port Isabel (Texas)	NAY	2,250	Spark	Wind and weather forecasts.
1700	Portland (Maine)	NAB	1,620	Spark	Wind and weather forecasts.
1700	Sofia	FF	2,800	Spark	
1700	Cadiz	EAC	2,500	Spark	Press in Spanish.
1705	Paris	FL	3,200	C.W.	Calls FUT (Toulon) and FUA (Bizerte).
1730	Tours	YG	5,500	C.W.	Press for Bucharest.
1740	Bandoeng (Java)	PKX	8,800	C.W.	Traffic with PCG (Sambeek).
1800	Tangiers	CNW	600	Spark	Meteorological report.
1800	Paris	FL	6,500	C.W.	Working to FF.
1800	Lyons	AL	1,400	C.W.	Meteorological report.
1800	Montelimar	AQ	1,680	C.W.	Meteorological report.
1800	Paris	FL	5,000	C.W.	Calibration waves (3-minute dash 1st and 15th of each month).
1800 to 1900 }	Writtle (Chelmsford).	2 MT	400	Telephony	Transmission of Telephony for Amateurs. (Tuesdays.)
1800 to 1900 }	The Hague	PCGG	1,085	Telephony	Telephony (Sundays and Thursdays).
1800	Moscow	MSK	5,100	Spark	Press.
1800	Bucharest	BUC	7,000	C.W.	Calls OHD (Vienna).
1805	Casablanca	CNP	600	Spark	Meteorological report.
1805	Renfrew	GER	1,300	C.W.	Meteorological report to Air Ministry.
1806	Nimes	AN	1,680	C.W.	Meteorological report.
1810	Perpignan	AP	1,300	C.W.	Meteorological report.
1810	Paris	FL	7,000	C.W.	Calibration waves (3-minute dash 1st and 15th of each month)
1810	Rochefort	FUR	2,800	C.W.	Meteorological report.
1810	Antibes	AK	1,680	C.W.	Meteorological report.
1815	Nancy	AC	1,450	C.W.	Meteorological report.
1815	Lorient	FUN	2,800	C.W.	Meteorological report.
1815	Cherbourg	FUC	2,300	C.W.	Meteorological report.
1815	Bayonne	AY	1,300	C.W.	Broadcast weather report.
1815	Borkum	KBM	1,250	Spark	Meteorological report.
1818	Romilly-sur-Seine	AF	1,400	C.W.	Meteorological report.
1820	Ajaccio	FJ	1,750	C.W.	Meteorological report.
1820	Wilhelmshaven	FUL	1,250	Spark	
1820	Lyons	YN	10,000	C.W.	Calibration waves (3-minute dash 1st and 15th of each month)
1820	Brest	FUE	2,800	C.W.	Meteorological report.
1824	Brussels	HS	1,680	C.W.	Belgian synoptic meteorological message.
1825	Toulouse	YF	1,850	C.W.	Meteorological report.
1825	Swinemünde	KAW	1,000	Spark	Meteorological report.

# World's Time and Press Schedules and High Power Transoceanic Stations

Time G.M.T.	Station.	Call Sign.	Wave-length.	System.	Remarks.
1830	Belgrade	HFB	4,800	C.W.	Meteorological report.
1830	Frankfort-on-Maine	FR	1,875	C.W.	
1830	Marseilles	YJ	1,900	C.W.	Meteorological report.
1830	Lyons	YN	15,000	C.W.	Calibration waves (3-minute dash 1st and 15th of each month).
1830	Mayence	LUX	2,200	C.W.	Meteorological report.
1830	Nauen	POZ	9,400	C.W.	Traffic with MSP (Moscow).
1830	Soesterberg	STB	1,900	C.W.	Upper air report (Dutch).
1835	Lyngby	OXE	3,650	C.W.	Danish synoptic meteorological message.
1835	Strasbourg	AG	1,400	C.W.	Meteorological report.
1835	Marignane	AX	1,680	C.W.	Meteorological report.
1835	Tours	YG	1,900	C.W.	W., S.W., and Central France synoptic meteorological report.
1840	Metz	YC	1,450	C.W.	Synoptic meteorological message for E. France and Rhine.
1840	Karlsborg	SAJ	4,300	C.W.	Swedish weather report.
1840	Gibraltar	BWV	4,800	C.W.	Naval weather report to GFA.
1845	Agadir	CNA	600	Spark	Meteorological report.
1845	Berlin	DL	2,000	C.W.	Meteorological report.
1845 to 1900	Lyons	YN	15,000	C.W.	(Exact values of calibration waves sent out on 1st and 15th of each month.)
1850	Christiania	LCH	8,000	C.W.	Norwegian meteorological report.
1850	Toulon	FUT	5,150	C.W.	Meteorological report.
1850	Bucharest	BUC	7,500	C.W.	Meteorological report.
1900	Paris	FL	8,000	C.W.	Traffic with BUC (Bucharest).
1900	Rome	IDO	11,000	C.W.	C.Q.'s, then works with IHM, ICW, IRB, etc.
1900	Eilvese	OUI	9,600	C.W.	Press.
1900	Air Ministry	GFA	4,100	C.W.	British synoptic meteorological message (1800 observation), including reports from Faroe and Iceland.
1910	Warsaw	WAR	2,500	Spark	Polish synoptic meteorological message.
1920	Paris	FL	2,600	Spark	French and Belgian meteorological message.
1930	Prague	PRG	4,600	C.W.	Press in Czech.
1940	Lindenber	LP	5,250	C.W.	German synoptic meteorological message (chopped C.W.).
1940	Vossegat	BE	1,000	Spark	Meteorological forecast for Holland.
1945	Mediouna	CNM	5,000	C.W.	Moroccan synoptic meteorological report.
1945	Warsaw	WAR	2,100	Spark	Press.
1950	Bordeaux	LY	23,450	C.W.	Times for 2000 time signals of previous day.
1950	Königswusterhausen	LP	5,250	C.W.	European synoptic meteorological report.
1955	Helsingfors	OJA	4,100	C.W.	Finnish weather report.
2000	Ain-el-Turk	FUO	3,300	C.W.	Moroccan and Algerian synoptic meteorological report.
2000	Lisbon	PQL	1,000	Spark	Meteorological report.
2000	Paris	FL	6,500	C.W.	Working with HB (Budapest).
2000	Leafield (Oxford)	GBL	8,750	C.W.	Press in English.
2000	Karlsborg	SAJ	2,500	Spark	Swedish press.
2000	Coltana	ICI	4,100	Spark	Working with MSK.
2000	Bordeaux	LY	23,450	C.W.	Scientific time signals (beats) in sidereal time.
2000	Madrid	EGC	1,600	Spark	Inland working.
2000	Air Ministry	GFA	4,100	C.W.	General inference and forecast for Great Britain.
2000	North Foreland	GNF	600	Spark	Navigation warnings, in plain language.
2005	Königswusterhausen	LP	5,250	C.W.	Meteorological message (aviation) and forecast for Central Europe.
2010	Paris	FL	8,000	C.W.	French press.
2020	Sidi Abdallah	FUA	5,150	C.W.	North African synoptic meteorological report.
2030	Carabanchel	EGC	2,000	Spark	Meteorological report.
2030	Bordeaux	LY	23,450	C.W.	Press in French.
2030	Pola	IQZ	3,200	Spark	Navigation warnings.
2030	Nauen	POZ	9,400	C.W.	German press on 9400, repeated on chopped C. W., 4700.
2030	Lyons	YN	15,100	C.W.	Press.
2030	Paris	FL	6,500	C.W.	Working with VSL (Vasluin).
2030	Prague	PRG	4,700	C.W.	Czecho-Slovakian synoptic meteorological message.
2030	Brest	FUE	2,800	C.W.	Meteorological report.
2030	Madrid	EGC	2,000	Spark	Spanish synoptic meteorological message.
2045	Rome	IDO	11,000	C.W.	Italian synoptic meteorological message.
2045	Rome	ICD	2,250	C.W.	Italian synoptic meteorological message.
2050	Lorient	FUN	2,800	C.W.	Meteorological report.
2100	Malta	BYZ	4,200	C.W.	Meteorological message (plain language).
2100	Paris	YA	1,950	C.W.	
2100	Reval	ELN	1,900	Spark	Esthonian synoptic meteorological report.
2110	Rochefort	FUR	2,800	C.W.	Meteorological report.
2120	Nicolaiev	SEW	4,000	Spark	
2130	Norddeich	KAV	600	Spark	General inference for the North Sea (in German).
2130	Budapest	HB	3,100	Spark	Press in French for FL.
2130	Norddeich	KAV	600	Spark	Meteorological message.
2145	Swinemünde	KAW	600	Spark	General inference for W. and Central Baltic (in German).
2155	Moscow	MSK	5,000	Spark	Time signal commencing with V's.
2200	Annapolis	NSS	16,900	C.W.	Long navigation warning.
2200	Paris	FL	2,600	Spark	Time signals (beats) in sidereal time.
2200	Moscow	MSK	5,000	Spark	Time signals (series of beats) and Russian synoptic meteorological message.
2215	Nauen	POZ	6,300	C.W.	Traffic with WSO (Marion).
2230	Lyons	YN	15,100	C.W.	Press in French.
2235	Paris	FL	2,600	Spark	Times for 2200 time signals.
2245	Paris	FL	2,600	Spark	French time signals (old system).
2300	Tours	YG	5,500	C.W.	Press for Bucharest.
2300	Darien	NBA	10,100	C.W.	Traffic with NSS (Annapolis).
2300	Rome	IDO	11,000	C.W.	C.Q. calls and working with IHM, ICW, IRB, etc.
2300	Perth	VIP	600	Spark	Time signals.
2315	Scheveningen Haven	PCH	1,800	C.W.	Dutch synoptic meteorological message for North Sea.
2330	Nauen	POZ	12,800	C.W.	Transocean Press.
2355	Nauen	POZ	3,900	Spark	Time signals and "Debeg" code.
2355	Pearl Harbour (Hawaii)	NPM	11,200	C.W.	Time signals.



# Naval Radio Stations



NAA	Washington, D. C. Meters—300, 975, 2000, 2650, 3950, 5950.	NGT	Mobile, Ala. Meters—150, 975, 1654.
NABT	Swiftsure Bank, Wash. Meters—600.	NITO	L. S. Diamond Shoals (off Cape Hatteras). Meters—600.
NABV	Cape Lookout, N. C. Meters—600.	NJY	Porth Arthur, Texas. Meters—150, 975, 1620.
NABX	Brunswick, Ga. Meters—600.	NKB	Galveston, Texas. Meters—150, 975, 1813.
NAC	Portsmouth, N. H. Meters—300, 975, 1813.	NKC	Navassa Island. Meters—150, 365, 600.
NACT	Blunts Reef, Calif. Meters—600.	NLC	Frying Pan Shoals, N. C. (Cape Fear). Meters—600.
NACV	Umatilla, Wash. Meters—600.	NNZ	Buffalo, N. Y. Meters—600, 1200.
NAD	Boston, Mass. Meters—600, 5000.	NPA	Cordova, Alaska. Meters—1000, 2000, 3950, 5950, 7500.
NADV	Cape May, N. J.	NPB	Sitka, Alaska. Meters—300, 975, 1000, 2650, 3950, 4900.
NADX	Boston, Mass. Meters—600.	NPD	Tatoosh, Wash. Meters—300, 975, 1654.
NAF	Newport, R. I. Meters—150, 1908.	NPE	North Head, Wash. Meters—450, 975, 2700.
NAGT	So. Pass, La. Meters—600.	NPF	Marshfield, Oregon. Meters—300, 975, 1948.
NAH	New York, N. Y. Meters—10, 150, 150, 300, 975, 1832.	NPG	San Francisco, Calif. Meters—300, 975, 1000, 1908, 3950, 4650.
NAI	Philadelphia, Pa. Meters—300, 975, 1948.	NPI	Farallons, Calif. Meters—150, 975, 1620.
NAJ	Great Lakes, Ill. Meters—507, 600, 1200, 3800, 3900, 4650.	NPK	Point Arguello, Calif. Meters—150, 975, 1688.
NAJT	Columbia River, Ore. Meters—600.	NPL	San Diego, Calif. Meters—300, 975, 1000, 1988, 3000, 3950, 5200, 9800.
NAJV	Cape Charles, Va. Meters—600.	NPM	Honolulu (Pearl Harbor). Meters—300, 600, 975, 2250, 2500, 3950, 4000, 4800, 8875, 11500.
NAK	Annapolis, Md. Meters—600, 975, 1620.	NPN	Guam. Meters—300, 975, 1000, 2250, 3950, 5950.
NAKS	San Francisco, Calif. Meters—600.	NPO	Cavite, P. I. Meters—300, 975, 1000, 2700, 3950, 4000, 5200, 12100.
NAL	Navy Yard, D. C. Meters—600-8950.	NPP	Peking, China. Meters—300, 975, 1000, 1908, 3950, 4525.
NAM	Norfolk, Va. Meters—10, 150, 150, 300, 975, 1000, 1851, 3950, 5450.	NPQ	St. Paul, Alaska. Meters—300, 975, 1000, 2650, 3950, 5700.
NAN	Moorehead City, N. C. Meters—150, 975, 1654.	NPR	Dutch Harbor, Alaska. Meters—300, 975, 2250.
NAO	Charleston, S. C. Meters—300, 975, 1000, 2250, 3950, 4800.	NPS	Kodiak, Alaska. Meters—300, 975, 1688.
NAP	St. Augustine, Fla. Meters—300, 975, 1851.	NPT	Olongapo, P. I. Meters—300, 975, 1908.
NAQ	Jupiter, Fla. Meters—300, 975, 1688.	NPU	Tutuila, Samoa. Meters—300, 975, 1000, 2250, 3950, 4525.
NAR	Key West, Fla. Meters—300, 975, 1000, 1988, 3950, 5700.	NPW	Eureka, Calif. Meters—300, 975, 2650.
NARS	Cape May, N. J. Meters—600.	NPX	San Pedro, Calif. Meters—10, 150, 150, 300, 600, 975, 3250, 3950.
NAS	Pensaloca, Fla. Meters—300, 975, 2250.	NPY	St. George, Alaska. Meters—100, 600, 675.
NAT	New Orleans, La. Meters—300, 975, 1000, 1832, 3950, 4650.	NPZ	Puget Sound, Wash. Meters—300, 975, 1000, 1988, 2000, 3950, 5450, 7100.
NAU	San Juan, P. R. Meters—300, 975, 1000, 2750, 3950, 5200.	NRH	Cleveland, Ohio. Meters—600, 3250.
NAW	Guantanamo. Meters—10, 150, 150, 300, 975, 1000, 2750, 3950, 4525.	NRO	Detroit, Mich. Meters—600, 1430.
NAX	Colon, Canal Zone. Meters—300, 975, 1620.	NSC	Port au Prince, Haiti. Meters—300, 600, 975, 2250, 3825, 3950.
NAY	Point Isabel, Texas. Meters—300, 975, 1000, 2250, 3950, 5000.	NSD	Cape May, N. J. Meters—150, 975, 1688.
NAZ	Managua, Nicaragua. Meters—300, 975, 1832.	NSF	Anacostia, D. C. Meters—507, 600, 2250.
NAZJ	Charleston, S. C. Meters—600.	NSM	Alpena, Mich. Meters—600, 1200.
NBA	Balboa, Canal Zone. Meters—300, 975, 2250, 3000, 3950, 10, 110.	NSS	Washington, D. C. Meters—4000, 17000.
NBB	St. Thomas, V. I. Meters—150, 975, 1688.	NUE	Manistique, Mich. Meters—600, 1200.
NBD	Bar Harbor, Me. Meters—300, 975, 1000, 2750, 3700, 3950.	NUD	Mackinac Island, Mich. Meters—600, 975.
NBG	Indianhead, Md.	NUG	Calumet, Mich. Meters—600, 1200.
NBT	Rockaway Beach, N. Y. Meters—507, 2250.	NUK	Milwaukee, Wis. Meters—600, 975.
NBZ	Baltimore, Md. Meters—600, 700.	NUX	Duluth, Minn. Meters—600, 1200.
NCZ	Virginia Beach, Va. Meters—507.	NUZ	Astoria, Ore. Meters—4525, 5000.
NDD	Washington, D. C. (Sayville). Meters—3000, 3000, 7800, 9800.	NVD	Juneau, Alaska. Meters—450, 975, 2250.
NDW	Cape Hatteras, N. C. Meters—600, 975, 1620.	NVH	Ketchikan, Ala. Meters—300, 975, 2650.
NEL	Lakehurst, N. J. Meters—507.	NVL	Seattle, Wash. Meters—600, 700.
NEV	Savannah, Ga. Meters—600, 975, 1813.	NXA	Chatham, Mass. Meters—507, 1988.
NGE	Miami, Fla. Meters—300, 975, 1620.	NZT	Whitefish Point, Mich.
NGL	St. Petersburg, Fla. Meters—600, 2400, 2700.		



# International Morse Code and Conventional Signals and List of Abbreviations to be Used in Radio Communication

## INTERNATIONAL MORSE CODE AND CONVENTIONAL SIGNALS

To be Used for all General Public Service Radio Communication

1. A dash is equal to three dots.
2. The space between parts of the same letter is equal to one dot.
3. The space between two letters is equal to three dots.
4. The space between two words is equal to five dots.

A . —	N — .	1 . — — — —
B — . . .	O — — —	2 . — — — —
C — . . .	P . — . .	3 . . . — —
D — . .	Q — — . —	4 . . . — —
E .	R . . .	5 . . . . .
F . . . .	S . . . .	6 — . . . .
G — . . .	T —	7 — . . . .
H . . . .	U . . —	8 — — . . .
I . .	V . . . —	9 — — — . .
J . — — —	W . — . —	0 — — — — —
K — . —	X — . . .	
L . . . .	Y — . — —	
M — —	Z — . . . .	

Period . . . . .	.....
Semicolon . . . . .	.....
Comma . . . . .	.....
Colon . . . . .	.....
Interrogation . . . . .	.....
Exclamation point . . . . .	.....
Apostrophe . . . . .	.....
Hyphen . . . . .	.....
Bar indicating fraction . . . . .	.....
Parenthesis . . . . .	.....
Inverted comma . . . . .	.....
Underline . . . . .	.....
Double dash . . . . .	.....
Distress call . . . . .	.....
Attention call to precede every transmission . . . . .	.....
General inquiry call . . . . .	.....
From (de) . . . . .	.....
Invitation to transmit (go ahead) . . . . .	.....
Warning—high power . . . . .	.....
Question (please repeat after . . . . .)—interrupting long messages . . . . .	.....
Wait . . . . .	.....
Break (bk.) (double dash) . . . . .	.....
Understand . . . . .	.....
Error . . . . .	.....
Received (O. K.) . . . . .	.....
Position report (to precede all position messages) . . . . .	.....
End of each message (cross) . . . . .	.....
Transmission finished (end of work) (conclusion of correspondence) . . . . .	.....

## INTERNATIONAL RADIOTELEGRAPHIC CONVENTION

List of Abbreviations to be Used in Radio Communication

Abbreviation	Question	Answer or Notice
PRB	Do you wish to communicate by means of the International Signal Code?.....	I wish to communicate by means of the International Signal Code.
QRA	What ship or coast station is that?.....	This is.....
QRB	What is your distance?.....	My distance is.....
QRC	What is your true bearing?.....	My true bearing is.....degrees.
QRD	Where are you bound for?.....	I am bound for.....
QRF	Where are you bound from?.....	I am bound from.....
QRG	What line do you belong to?.....	I belong to the.....Line.
QRH	What is your wave length in meters?.....	My wave length is.....meters.
QRJ	How many words have you to send?.....	I have.....words to send.
QRK	How do you receive me?.....	I am receiving well.
QRL	Are you receiving badly? Shall I send 20?.....	I am receiving badly. Please send 20.
	.....	.....
	for adjustment?.....	..... for adjustment.
QRM	Are you being interfered with?.....	I am being interfered with.
QRN	Are the atmospherics strong?.....	Atmospherics are very strong.
QRO	Shall I increase power?.....	Increase power.
QRP	Shall I decrease power?.....	Decrease power.
QRQ	Shall I send faster?.....	Send faster.
QRS	Shall I send slower?.....	Send slower.
QRT	Shall I stop sending?.....	Stop sending.
QRU	Have you anything for me?.....	I have nothing for you.
QRV	Are you ready?.....	I am ready. All right now.
QRW	Are you busy?.....	I am busy (or: I am busy with.....). Please do not interfere.
QRX	Shall I stand by?.....	Stand by. I will call you when required.
QRY	When will be my turn?.....	Your turn will be No.....
QRZ	Are my signals weak?.....	Your signals are weak.
QSA	Are my signals strong?.....	Your signals are strong.
QSB	{ Is my tone bad?..... Is my spark bad?.....	{ The tone is bad. The spark is bad.
QSC	Is my spacing bad?.....	Your spacing is bad.
QSD	What is your time?.....	My time is.....
QSF	Is transmission to be in alternate order or in series?.....	Transmission will be in alternate order.
QSG	.....	Transmission will be in series of 5 messages.
QSH	.....	Transmission will be in series of 10 messages.
QSI	What rate shall I collect for?.....	Collect.....
QSK	Is the last radiogram canceled?.....	The last radiogram is canceled.
QSL	Did you get my receipt?.....	Please acknowledge.
QSM	What is your true course?.....	My true course is.....degrees.
QSN	Are you in communication with land?.....	I am not in communication with land.
QSO	Are you in communication with any ship or station (or: with.....)?.....	I am in communication with..... (through.....).
QSP	Shall I inform.....that you are calling him?.....	Inform.....that I am calling him.
QSQ	Is.....calling me?.....	You are being called by.....
QSR	Will you forward the radiogram?.....	I will forward the radiogram.
QST	Have you received the general call?.....	General call to all stations.
QSU	Please call me when you have finished (or: at.....o'clock)?.....	Will call when I have finished.
QSV	Is public correspondence being handled?.....	Public correspondence is being handled. Please do not interfere.
QSW	Shall I increase my spark frequency?.....	Increase your spark frequency.
QSX	Shall I decrease my spark frequency?.....	Decrease your spark frequency.
QSY	Shall I send on a wave length of.....meters?.....	Let us change to the wave length of.....meters.
QSZ	.....	Send each word twice. I have difficulty in receiving you.
QTA	.....	Repeat the last radiogram.
QTE	What is my true bearing?.....	Your true bearing is.....degree from.....
QTF	What is my position?.....	Your position is.....latitude.....longitude.
TR	Position report?.....	

\*Public correspondence is any radio work, official or private, handled on commercial wave lengths.  
When an abbreviation is followed by a mark of interrogation, it refers to the question indicated for that abbreviation.

# Definitions

**Absorption:** That portion of the total loss of radiated energy due to atmospheric conductivity.

**Aerial:** A system of wires insulated from and suspended at a certain height above ground but generally being connected through suitable apparatus to earth. Used to radiate energy in form of electro-magnetic waves from oscillations flowing along it and to receive energy in form of oscillations from ether waves passing across it.

**Aerial Tuning Inductance** is a number of turns (in the form of a helix or spiral) of wire which can be adjusted to radiate waves longer than the fundamental wave length.

**Aerial Tuning Condenser:** Variable condenser in aerial circuit. Used to vary oscillation constant of receiver.

**An Alternating Current** is one which gradually rises in value from zero to a maximum in one direction, then goes thru the same changes but in the opposite direction.

**An Alternation of current** is one-half cycle, or a change from zero to maximum and back to zero in one direction.

**An Alternator** is a machine with a rotating element for the production of an alternating current.

**Ampere** is the unit of flow and is that value of current which is maintained in a circuit having a resistance of one ohm by an electromotive force of one volt.

**The Ampere Hour** is the unit for expressing the quantity of current passing through a given circuit, or ampere flowing for one hour of time. Amperes times hours equals ampere hours.

**Ampere Turns:** Expressed by the product of number of turns of, and the number of amperes flowing through, the coils of an electromagnet. Thus one ampere turn would be one ampere flowing through one turn.

**Amplifier:** An instrument which modifies the effect of a local source of energy used as a rule to produce a larger indication than could be had from the incoming energy alone.

**The Amplitude** of an alternating current is the maximum value or the highest point reached during an alternation.

**The Antenna or Aerial** is one or more conductors insulated from the earth, employed to radiate electromagnetic waves, or to absorb energy from a passing electromagnetic wave.

**Anode of a Cell:** The positive pole of the cell.

**Arc:** The passage of an electric current of relatively high density thru a gas in which the material of one or both electrodes is volatilized and takes part in the conduction of the current, whether continuous or alternating.

**Audibility:** Measure of signal strength. Unit audibility being strength of received signals which just enables dots and dashes to be distinguished.

**Audion:** A relay operated by electrostatic control of currents flowing across a gaseous medium. It consists of three electrodes in an evacuated bulb, one of these being a heated filament, the second a grid-like electrode, and the third a metal plate.

**Brush or Coronal Losses:** This is due to leakage of electric currents thru a gaseous medium.

**Brushes:** Fixed carbon blocks held in a position that makes contact with the commutator of a dynamo or motor for the purpose of collecting current generated by or supplying current to the machine when running.

**Capacity:** Power of containing. A condenser has unit capacity (farad) when a charge of one coulomb creates a difference of potential of one volt between its terminals. This farad being too large for practical purposes the microfarad is used.

**Choke Coils:** Coils wound to have great self-induction. Usually wound over an iron core which is generally composed of a bundle of wires or laminated sheets insulated from each other to prevent eddy currents. The function is to check by reaction the amount of current flowing in the circuit.

**A Changeover Switch or Transfer Switch** is a device to transfer the aerial connection from the sending to the receiving apparatus or vice versa.

**A Circuit Breaker:** A device to open or break a circuit when the current reaches a certain value.

**Compass Radio:** A radio transmitting device for determining the direction of maximum radiation; also direction in which maximum energy is received.

**Commutator:** On a dynamo or motor refers to a number of copper strips fixed on a cylinder of insulator and parallel to the axis of armature shaft to which are affixed the ends of armature windings.

**A Condenser** consists of two or more conductors separated by an insulator and is used to store up electricity in electrostatic form and then discharged in the form of radio frequency oscillations.

**A Continuous Wave:** One whose amplitude does not decrease as it travels (undamped).

**Converter:** A machine similar in construction to a motor but being supplied with slip rings in addition to commutator. Used to convert D. C. to A. C., or vice versa.

**Crystal Detector:** A device used to rectify the oscillating currents to direct impulses which affect the telephone receiver and makes it possible to detect wireless waves.

**Counterpoise** is a large amount of sheet metal or wires spread out in space and insulated from the ground, and acts as a ground to form one plate of the condenser, with the aerial as the other.

**Coulomb** is the unit of quantity of electricity and is the amount of electricity past a point in a circuit when current of one ampere flows for one second.

**Coupling:** A measure of the mutual inductance between two oscillatory circuits. The connecting of two oscillatory circuits.

**Cymometer:** An instrument to determine the frequency of oscillations. A cycle is a complete change of current, or two alternations.

**Damped Oscillations** are those consisting of a series of oscillations which gradually decrease in amplitude.

**The Damping Factor** is the ratio of the amplitude of current in one oscillation to that of the next succeeding oscillation in a damped wave train.

**Decimeter:** An instrument for measuring the logarithmic decrement of a circuit or of a train of electromagnetic waves.

**The Logarithmic Decrement** is the Napierian Logarithm of the ratio of the amplitude of one oscillation to that of the next oscillation in the same direction in a damped wave train.

**Diaphragm:** A thin plate used in telephone receivers, the vibration of which produces audible signals.

**Dielectric:** The insulator between the plates of a condenser. Every insulator is a dielectric, even the rubber covering of a wire.

**Direct Current (D. C.):** Current flowing continuously in one direction.

**Discharge:** To dissipate electric energy from a cell, condenser, or any other charged body.

**Edison Effect:** Flow of energy in the space surrounding the filament of an incandescent lamp bulb.

**Eddy Currents:** Useless currents in the armature, pole pieces and magnetic cores or dynamos or other masses of metals.

**Electromagnetic Lines of Force** are those lines of force about the poles of a permanent magnet, an electromagnet, or a wire carrying electric current.

**Electrolytic Detector** consists of a fine platinum wire just touching an electrolyte contained in a small platinum cup. Current from a battery which is connected to cup and point keeps point covered with small bubbles owing to electrolysis. Passing oscillations break through these bubbles, de-

stroying their insulation and permit momentary current to flow through phones.

**An Electric Generator or Dynamo** is a machine to convert mechanical energy into electrical energy. The term generator may be applied to both direct and alternating current machines, while the term dynamo is usually applied to a direct current machine. The generator or dynamo operates on the principle of electromagnetic induction. It consists of a magnetic field, a revolving coil or wire, called an armature, a commutator or collector rings and a supporting frame and shaft. The magnetic field is produced by electromagnets arranged in the form of a circle, in the center of which the armature revolves. The revolving armature cuts the lines of force between the field poles and has a current induced in its turns. Brushes bearing on the commutator or collector rings collect the current thus induced.

**An Electrical Oscillation** is an alternating current of high frequency, usually 10,000 cycles or greater.

**Electron:** Ultimate or final particle of negative electricity. An atom plus an electron is a negative ion. An atom minus an electron is a positive ion.

**An Electromagnetic Wave** is an electromagnetic disturbance traveling through space.

**Exciter:** Small auxiliary dynamo used to excite magnetic field of some types of generators.

**Farad** is the unit of capacity; a condenser of such dimensions that it will hold one coulomb of electricity when a pressure of one volt is applied across it, will have a capacity of one farad.

**Fading Signals** whose strength slowly decrease through power at transmitting station is not varied. Is due to atmospheric changes.

**Filament:** A fibre or thread made of carbon or fine metallic wire which glows when current passing through it heats it sufficiently.

**A Field Rheostat** is a variable resistance employed to regulate the flow of current in the field windings of a motor or a generator.

**The Frequency of an alternating current** is the term employed to express the number of complete changes or cycles taking place per second of time.

**Fundamental Wave Length** is the wave length which the aerial and ground alone, without any added inductance or capacity will send out.

**Flux Density** is the total of number of lines of force (electrostatic or electromagnetic) per unit of area (per sq. cin. or per sq. in.).

**Flux** is the term which designates the total number of static or magnetic lines of force in a given space.

**Galvanometer:** An instrument used for detecting the presence of and ascertaining the force and direction of current in a circuit.

**Gaskets:** The insulating discs used to separate discharge discs of a quenched gap.

**Grid:** The frame of wire gauze or perforated metal tube placed between and insulated from the plate and filament of a valve, amplifier.

**Ground:** An electrical connection (usually of low resistance) to the earth.

**Henry** is the unit of inductance. A circuit is said to have inductance of one henry when one volt of pressure is required to make a change of one ampere in one second of time.

**Heterodyne:** A method of detecting received oscillations usually undamped by causing them to interact with other locally produced sustained oscillations of slightly different frequency and generally of great amplitude. The beat or resultant note is the difference between the frequencies of the two independent oscillations.

**A High Frequency Current** is one where several thousand or more oscillations take place in a second of time.

**Hysteresis:** Slowness or lagging behind when a change of condition is taking place in an electromagnetic circuit.

**Impedance** is the term applied to express the total opposition of a circuit to a varying current, due to the ohmic resistance and reactance of the circuit.

**Inductance** may be defined as the property of an electrical circuit which opposes a change of current in the circuit.

**Induction Coil:** An instrument for producing high voltage impulses from low voltage current.

**Insulator:** A material through which electricity will only pass when under great pressure of voltage.

**Interrupter:** An apparatus for breaking up a D. C. into a series of impulses, thus producing an intermittent current. See Induction Coil.

**Ionisation:** The splitting up of molecules into ions. Ionised air or gas becomes conductive.

**Joule:** Unit of electrical work. Work done by one coulomb flowing under a pressure of one volt.

**Logarithm (Log):** In the case of common logarithm (com log) is the power of ten (the base) which produces the number in question, e. g., Log 100 equals 2, since 100 equals 10<sup>2</sup>, 2 being the required power of 10 to produce 100 (10×10:100).

**Loop Aerial:** One similar to a frame aerial having several turns of wire wound in series on a frame, which form a closed circuit, part of which may be the ground.

**A Low Frequency Current** is generally considered one where no more than, say, 60 to 500 cycles take place in a second of time.

**Magnetic Field:** The whole space over which a magnet exerts its magnetic influence.

**Magnetic Flux** is the total number of lines of force in a magnetic circuit.

**Micro:**

**Microphone:** A sound magnifier. Varying pressure imposed by sound waves cause a diaphragm to equally vary its normal pressure or suitable conductors, this in turn equally varying the electrical resistance of the points of contact, thus permitting a current whose strength varies as the imposed sound waves to pass into a telephone.

**Molecule:** The smallest group of atoms of an element or compound which can exist by themselves.

**An Electric Motor** is a machine for converting mechanical energy into electrical energy.

**A Motor Generator** consists of two machines joined together mechanically for changing electricity from one form to another.

**Mutual Induction** is the production of an electric pressure in one circuit by another circuit close to it.

**Non-Synchronous:** When two or more things are not in a similar condition or position at the same time.

**Ohm** is the unit of resistance which an electric circuit offers to the flow of an electric current. A circuit which allows one ampere to flow thru it by a pressure of one volt is said to have one ohm of resistance.

**Oscillatory Circuit** is one which allows the free flow of electric oscillation and generally consists of a few turns of wire in series with a condenser, the entire circuit having a minimum value of resistance.

**The Oscillation Constant** of an oscillatory circuit is the numerical value obtained from the square root of the product of its inductance multiplied by its capacity.

**Oscillatory Currents** are alternating currents of very high frequency ranging from ten thousand to several million per second, and are used in radio telegraphy.

**An Oscillation Transformer** consists of one or two coils of wire placed near to one another for transferring the energy from the closed circuit to the open or radiating circuit.



## Definitions Cont'd

The Period of an alternating current is the time required for one cycle or one complete change to take place.

Phase: An A. C. is in phase when maximum E. M. F. and current are reached at same moment.

Phosphor Bronze: An alloy of phosphorus with copper and tin. Has great strength and can be hammered or rolled while cold. Largely used for aerial wire.

Pilotron: An amplifier or three electrode valve whose bulb is as near an absolute vacuum as possible, and is used for high power transmission.

Polarisation: The partial changing of the polarity of a cell, due to hydrogen bubbles forming on the negative plate.

A Potentiometer is a resistance joined across a direct current source of power, and having two lead wires, one a variable connection for supplying a desired potential or pressure to another circuit, a receding detector circuit in radio telegraphy.

A Protective Resistance Rod is a high resistance made of carbon, graphite or other material in the shape of a small rod. The ends of the rod are connected across the power circuit and the center of the rod is connected to earth. This device allows the high pressure electrical surges to find their way to earth and prevent grounding of the power apparatus and instruments.

Pulsating Current: A current rising and falling regularly remains on one side of the zero line; that is, one which, though varying in intensity, always retains its characteristic, being either continuously positive or negative throughout its motion.

Quenched Gap: A spark gap consisting of a number of metal discs separated by insulating washers.

Reactance is the term applied to express the opposition which a circuit offers to the flow of current through the capacitance and inductance in it.

A Reactance Coil is a coil of wire, wound on an iron core, arranged so that either the number of turns can be varied or so the position of the iron core can be adjusted, thus varying the reactance in the circuit. It is employed to regulate the power input in a radio transmitter.

A Receiving Detector is a device to change the character of incoming electrical oscillations, so as to make them audible in the head telephones of a receiving set.

A Receiving Tuner is an oscillation transformer for transferring the energy absorbed by the receiving aerial from a passing electromagnetic wave to a local detector circuit, where it is made audible. It also allows the receiving operator to differentiate between and adjust to electromagnetic waves of different lengths, thereby avoiding interference.

Rectifier: A device for converting alternating current into pulsating direct current.

Relay: A device consisting of an electromagnet and two contacts, one of which is mounted on a movable arm and makes contact with the other when a current is flowing through the magnet coil.

Resistance is that property of a conductor which tends to oppose the flow of electric current, the spent energy being consumed in the form of heat.

A Resonant Circuit is one having a definite time period of oscillation for any particular adjustment of inductance and capacity, and which can be adjusted so that capacity reactance and inductance reactance neutralize for any particular impressed frequency.

Rotor: The moving part of an induction motor.

Self Induction is the term applied to the phenomena resulting from the rise and fall of a magnetic field around a coil of wire through which a current is flowing. Self induction is defined as the property of an electrical circuit which tends to prevent a change of the electric current established in it.

Series Connection: A number of instruments or cells connected up in a circuit having no shunts; that is, current must pass through each conductor successively.

A Short Wave or Series Condenser is used to adjust the antenna system to period of oscillation corresponding to a wave length, less than the natural wave length of the aerial.

Shunt-Parallel: An alternate path for the current to pass in a circuit.

Silicon Detector: A crystal detector in which a catwhisker makes contact with a piece of silicon.

Skin Effect: The increased resistance of a conductor to high frequency currents to that offered to low frequency ones is due to the fact that H. F. C. travel on the surface of conductor, while the L. F. C. use the whole of the metal or "soak in."

Solenoid: A coil of wire having the property of an electromagnet. An electromagnet without a core.

Spark Gap: A mechanical device to allow the discharge of the transmitting condenser at regular intervals and to stop the flow of current between discharge intervals, thus permitting the condenser to receive a full charge.

Spark Frequency may be defined as the number of sets of spark discharges taking place across a spark gap per second of time.

Specific Gravity: The density of a solution as compared to water. It shows how many times heavier the substance is than an equal volume of water.

Static Charge: An electric charge at rest on the surface of a body.

A Starting Box is a variable resistance to regulate the flow of current into an electric motor during the starting period.

Stator: The stationary part of an electric motor or generator.

A Stopping Condenser is usually a small low-voltage condenser used in the detector circuit to store up the small impulses of current in a wave train and then give this energy out in one discharge to the telephone receivers for operating the diaphragm, but may be any condenser used to store commercial frequencies and prevent them from flowing in a high-frequency circuit.

Syntonic Circuits are circuits having same time periods or natural frequency of oscillation and are said to be in tune with one another.

A Telegraph Key is made of a small lever supported on a base by two cone-shaped bearings. On one end of the lever is mounted a round, smooth button, which can be operated up and down by the hand, causing a make and break of contact points fastened to the lever and base. This action interrupts the flow of current for making dots and dashes in the telegraph code.

A Thermo Ammeter employs the principle that a heated junction of two dissimilar metals sets up an E. M. F. which in this case is measured by a D. C. voltmeter.

Thermo-Couple: A junction of two dissimilar metals.

A Tickler Coil is placed in the plate circuit of a vacuum tube reback into the grid circuit in order to produce amplification and to enable the tube to generate oscillations of high frequency.

Tikker: A device for interrupting the current induced in the receiving set and is usually placed in the secondary circuit at the rate of 600 to 1,000 times per second. Used with crystal detector for reception of undamped waves.

Tone Frequency is the same as Spark Frequency.

A Transformer consists of two coils of wire insulated from one another and wound upon an iron core. Current flow pressure (110 or 220 volts) is supplied to one coil and high pressures or voltages (5,000 or 30,000 volts) are induced in the other coil for charging the transmitting condensers.

Tuning: The process of securing the maximum indication by adjusting the time period of a driven element.

Ultraudion: By DeForest Radio Telephone & Telegraph Company. The Ultraudion is an audion used in a circuit having a type of energy coupling so that a powerful relay action, or the production of sustained oscillations, may be obtained. In one of its present commercial forms its elements are connected in two circuits, so arranged that the energy coupling may be obtained through a bridging condenser in its plate-filament circuit.

Vacuum Tube: Name usually given to a glass tube exhausted of air and grid inside used for detectors in radio work.

Valve Amplifier: A three-electrode vacuum tube of the Audion type is used to amplify either the incoming high frequency currents after rectification, or both rectification and magnification may be performed by the one tube.

Volt: The unit of electric pressure. It is that pressure which forces one ampere through a resistance of one ohm.

Watt: The unit of electric power. A pressure of one volt causing a flow of one ampere is one watt of electric work or power. Volt times amperes equals watts.

Wave Changer: A switch by means of which the wave of a transmitter may be rapidly changed from one wave length to another.

Wave Length: The distance one wave travels before the next starts from the point of origin.

Wave Train Frequency is the term applied to designate the total number of wave trains being produced or acting per second in wireless transmission or reception.

Wave Meter: An instrument for measuring the wave lengths of radio transmitters and receivers.

*These are the kind of suggestions  
that we are looking for.*

If you can think of any improvements  
on our book, let's hear from you.

Citizen's Radio Service Bureau,  
416 South Dearborn Street,  
Chicago, Illinois

Gentlemen:-

We use your "Radio Call Book" almost every night for learning the names of the sending-out station whose program we have heard. There we begin, in most cases, to discuss the mileage and try to select that station as is furthest away from us. Now we have family trouble. It brings this suggestion to my mind

Would it not be a wonderful service to your readers to have a page in your next issue which contained a table to show the distances from well-known points? How's about it?

In sincerity



A. G. Klein

# Questions and Answers

**Question.** For what purpose is a crystal detector used in receiving circuits?

**Answer.** To convert the incoming radio frequency current into a current that is audible in the telephone receivers.

**Question.** What is the effect of tightening the coupling of a loose coupler?

**Answer.** It makes the receiver responsive to a wide range of wave lengths without delicate adjustments of the tuning elements because it increases the damping of the receiver as a whole.

**Question.** Should loose or tight coupling be used for general listening-in?

**Answer.** Tight coupling is preferable because a wide range of wave lengths may be received without close tuning.

**Question.** What is the advantage of having the coupling of a receiving transformer variable?

**Answer.** It enables him to tune his receiver "sharply," thereby eliminating much interference from undesired stations even though they may be operating on the same wave length as the station it is desired to receive. This is due to the fact that each transmitter has a different degree of damping.

**Question.** How could signals be received whose wave length is shorter than the natural wave length of the receiving antenna?

**Answer.** By inserting a variable condenser in series with the antenna circuit.

**Question.** What are the least number of pieces of apparatus necessary to receive signals?

**Answer.** A pair of telephones and a crystal detector connected as a series circuit with aerial and ground.

**Question.** Name some crystal detectors.

**Answer.** Galena, silicon, carborundum, perikon, molybdenite, cerusite, ferron.

**Question.** What is the use of a potentiometer in a receiving set?

**Answer.** Some crystals such as carborundum require an initial battery voltage for sensitive operation. A potentiometer regulates the flow of battery current across the crystal.

**Question.** How would you locate an open in a receiving tuner?

**Answer.** With a battery and telephone receiver connected as shown in Figure 63, the inductance changing switch is varied from point to point until there is no click in the telephone receiver when the battery circuit is broken. The contact point on the switch where the circuit tests "open" is obviously the point at which the coil is broken.

**Question.** How would you test for a break in the telephone cords?

**Answer.** The flexible leads may be broken while the insulation about the leads remains good. The connections between the tips and the flexible lads or between the leads and the receiver cases may be broken. A simple test for the telephones is made by touching the tips of the terminals of a dry cell. A further test for poor leads can be made by connecting the tips to the terminals of a dry cell and then shaking the cords. If a rasping sound is heard in the receivers, a renewal of cords is necessary. If the receiving cords need renewal and no spares are available, ordinary insulated wire may be employed.

**Question.** Why are the windings of head telephones for wireless receivers of high resistance?

**Answer.** The magnetizing force of any current carrying coil depends on the number of ampere-turns. Hence to get the loudest response in a telephone from very weak signals, it is necessary to use many hundreds of turns of wire, and due to the limited space we must use very small insulated wire. The smaller the wire, the greater the resistance, which accounts for the fact that all sensitive telephones are of very high resistance (1,500-2,000 ohms).

**Question.** What is the use of the variable condenser in shunt to the secondary winding of a receiving transformer?

**Answer.** The variable condenser in shunt to the secondary of the receiving set serves to add capacity to the circuit and permit a finer degree of tuning of the secondary circuit than could be obtained by only varying the value of the inductance of the secondary.

**Question.** Explain how you would adjust a crystal detector to its maximum degree of sensitiveness?

**Answer.** Set the test buzzer into operation and alternately place the detector contactor or cat-whisker upon various points on the crystal until the maximum strength of signals from the buzzer are heard in the telephone receivers.

**Question.** What is the function of a telephone receiver?

**Answer.** To convert electric currents into sound.

**Question.** Explain the action of a vacuum tube detector in a receiving circuit.

**Answer.** When the filament is burning, electrons are thrown off, which are attracted to the plate due to the fact that it is charged positively by the battery. A flow of negative electricity is said to flow from the filament to the plate, but as we usually consider the current as flowing from the positive pole of a battery to the negative pole, we consider the current as flowing from the plate to the filament and thence through the phones back to the battery. Therefore, as long as the filament is burning there will be a flow of current through the phones; but, owing to the fact that it is steady, there will be no vibration of the diaphragm.

If oscillations are flowing in the receiver circuits, alternate positive and negative charges will be given to the grid. When the grid is charged negatively, no current flows from the grid to the filament, but when the grid is positively charged current passes from the grid to the filament. In other words, when the grid is charged negatively, the electrons will be repelled and no negative flow of electricity will occur; but when the grid is charged positively the electrons will be attracted and a negative flow to the grid will take place.

During the times that the grid is charged negatively no current passes; therefore, a negative charge piles up in the grid condenser on the side next to the grid. This negative charge causes a decrease in the flow of electrons to the plate and consequently the flow of current from the plate to the filament is reduced. After a train of oscillations has passed, the negative charge leaks off and the plate current returns to normal. Thus, each train of oscillations reduces momentarily the flow of current through the plate circuit. This reduction of current causes a click in the telephone receivers, the number of clicks per second being dependent upon the number of trains of oscillations.

**Question.** What are some of the advantages of the undamped wave system?

- Answer.**
1. As the waves are of constant amplitude there is no decrement and consequently they are confined to one wave length or frequency.
  2. Being continuous, the amplitude need not be so great, and therefore lower potentials may be employed.
  3. Radio telephony is made possible.
  4. The tone of the received signals can be controlled by the receiving operator.
  5. The efficiency of the undamped system is far greater than that of the damped.

**Question.** What is the function of the filament rheostat?

**Answer.** To regulate the brilliancy of the filament. If the brilliancy of the filament is increased, more electrons will be thrown off.

**Question.** What is the function of the grid leak?

**Answer.** When placed around the grid condenser it allows the negative charges stored up in the grid condenser to leak off after the passage of a train of oscillations.

**Question.** What is the function of a tickler coil in a vacuum plate receiver?

**Answer.** 1. To transfer part of the energy of the oscillating plate current set up by the incoming oscillations back into the grid circuit, thus producing amplification.

2. To enable the tube to generate oscillations of high frequency.

**Question.** Explain the "B" battery and its use.

**Answer.** The "B" battery of 20 to 200 volts is connected in the plate circuit. This battery supplies the current which flows in the phone circuit. The increase or reduction of the current at an audio frequency produces signals in the telephones. The positive side of the battery is connected to the plate.

**Question.** What is the effect of starting a motor too quickly?

**Answer.** In case the fuses are of such a high current carrying capacity that they do not blow, there will be severe sparking at the commutator or perhaps some of the armature coils will be burned out.

**Question.** What is the effect of starting a motor too slowly?

**Answer.** The resistance coils in the starting box will become over-heated and probably one or more coils burned out.

**Question.** How can the speed of a motor be reduced?

**Answer.** The speed may be reduced by cutting out resistance in the motor field rheostat, thus allowing more current to flow through the field coils. If, after all the resistance is cut out, the motor does not run slowly enough external resistance should be connected in series with the motor armature.

**Question.** How can the speed of a motor be increased?

**Answer.** By placing a resistance in series with the motor field.

**Question.** What would you use to clean the commutator of a motor?

**Answer.** Fine sandpaper with a piece of canvas to give it a final polish. Emery cloth should never be used for this purpose.

**Question.** What are some of the causes of a sparking commutator?

**Answer.** Dirty commutator, dirty brushes, worn commutator, brushes out of position or a raised insulating wedge.

**Question.** What treatment should a hot bearing receive?

**Answer.** A mixture of oil and powdered graphite should be applied to the bearing in generous quantities.

**Question.** What is the function of a starting box?

**Answer.** A starting box is used to cut down the current flow through the armature during the starting period, hereby preventing an abnormal current from flowing through the armature due to the lack of counter emf at this time.

**Question.** What is the most frequent cause of the overheating of a generator?

**Answer.** This is due to an abnormal value of current being taken from the generator. Improperly fitted bearings also cause overheating.

**Question.** What would be the probable causes of the release magnet of a starting box losing its magnetism after the motor is running at full speed?

**Answer.** An open circuit in the motor field circuit or a short circuit in the release magnet.

**Question.** In case one of the resistance coils in a starting box burned out, how could the starting box be temporarily repaired?

**Answer.** The burned out coil may be located by means of a battery and telephone receiver. The coils should be tested by placing the battery and receiver connected in series across the contacts of the starter, taking two at a time. A burned out coil is indicated when there is no click in the receiver as the contacts are touched with the wire. When the burned out coil is located, a jumper should be placed around it temporarily.

**Question.** What is the function of the commutator of a motor?

**Answer.** To maintain the polarity of the armature in such relation to the field poles that there will be a constant attraction and repulsion.

**Question.** How may the frequency of an alternating current generator be varied?

**Answer.** By varying the speed of the armature.

**Question.** For what purpose is direct current used in an alternating current generator?

**Answer.** For exciting the field coils.

**Question.** How may the power of an alternator be reduced without reducing the frequency of the machine?

**Answer.** By inserting more resistance in series with the generator field by means of the generator field rheostat.

**Question.** Describe a fuse and explain how it operates.

**Answer.** A fuse consists primarily of a short length of lead or soft alloy of such a size that it will melt when a certain value of current passes through it. In the event of a short circuit or when too much current is being drawn from the circuit in which it is placed it will melt, thereby opening the circuit and protecting it from possible damage.

**Question.** What attention should be given a motor generator to keep it in proper running order?

- Answer.**
1. Keep the motor generator dry and free from dust and grease.
  2. Keep all connections tight.
  3. See that the thrust bearings on the end of the bearings prevent end play of the armature.
  4. See that protective condensers or resistance rods are properly connected and that they do not come loose from vibration.
  5. Keep bearings well oiled and see that rings carry oil properly.
  6. Keep a close watch on the valves of the petcocks to see that they do not jar loose and allow oil to leak out.
  7. Keep contacts of automatic starter clean and properly adjusted so that they make contact at the proper time.
  8. See that the brushes fit evenly. To make them fit, place a piece of emery cloth between commutator and brush with the rough side up and then pull backward and forward until brush fits the curved surface of the commutator.
  9. Keep the commutator cleaned and polished. Clean with fine sandpaper, never with emery cloth. Polish with a coarse piece of canvas.
  10. Do not over-speed motor. After operating a set for a time, the sound will indicate the proper speed to run the motor generator.
  11. In case of burn-out of coils in field rheostat or starter, shunt by means of a piece of copper wire.

**Question.** What three types of motor generators are now in use?

- Answer.**
- a. Shunt wound motor and shunt generator.
  - b. Shunt motor, compound wound generator.
  - c. Motor with differential compound field winding and shunt generator.

**Question.** What is the advantage of a compound wound motor?

**Answer.** Such a machine gives practically a constant speed under a varying load.

**Question.** How may a field coil be tested to find out whether it is short circuited or open?

**Answer.** By means of a lamp connected in series with the field coil and a 110-volt circuit. If the lamp glows brilliantly when the circuit is closed,

## Questions and Answers Cont'd

the coil is shorted. If it does not light at all, the field coil is open. If the coil is neither shorted nor open, the lamp will just glow a dull red.

Question. If the motor refuses to start when the starting box handle is pulled over, what may the trouble be?

Answer.

1. Fuses blown.
2. A burned-out resistance coil in the starting box.
3. A burned-out release magnet.
4. An open circuit in the field windings.
5. An open circuit in the motor field rheostat.
6. An open circuit in the connecting wires.
7. The power being off.
8. A "frozen" shaft due to hot bearings.

Question. If the circuit breaker in the motor supply circuits should trip or the fuses blow when the starting handle is pulled over, what may be the possible causes of the trouble?

Answer.

1. Pulling the handle over too rapidly.
2. A short circuited or grounded coil.
3. A "frozen" shaft.
4. An open field circuit due to an open in the field winding burned-out release magnet coil.

Question. What would happen in the case of a short circuit in the armature coil of a motor or generator?

Answer. This short circuited coil would have an excessive flow of current through it, causing a smoke with odor due to the burning insulation on this coil. On stopping the revolving armature this coil could be detected by inspection.

Question. What are the causes of severe sparking in the form of a ring of fire around the commutator?

Answer. An open circuit in an armature coil.

Question. Explain the difference between a no-voltage and a no-field release magnet for a motor starter?

Answer. A no-voltage release magnet is placed directly across the line and opens the circuit in case the voltage ceases, while the no-field release opens the circuit in case the field current becomes low either due to a break in the field or the line voltage being removed. The latter method is preferable.

Question. Explain the parts and construction of a step-up transformer.

Answer. A step-up transformer consists of three parts: (1) A primary winding of a comparatively few turns of copper wire of rather large diameter; (2) a secondary winding of a large number of turns of small wire, 28-32 gauge; (3) a core of soft iron.

Question. What types of step-up transformers are used in radio transmitters?

Answer. Open and closed core types of transformers.

Question. How may the current supplied to the step-up transformer be reduced?

Answer. By inserting more resistance in series with the generator field by means of the generator field rheostat or by adjusting the value of inductance in the reactance coil inserted in series with the primary winding of the transformer.

Question. How may the primary of a power transformer be tested for an open circuit?

Answer. By use of an ammeter in series with the winding. If there is no deflection of the ammeter, the winding is open. If an ammeter is not available, a lamp may be substituted for it. If the lamp glows brilliantly, there is no open circuit in the winding.

Question. By what means may an operator tell whether the secondary is burned open or short circuited?

Answer. What is known as the "flash test" can be made by placing the safety gap terminals of the transformer close together and then pressing the key. If a good spark is obtained, the secondary winding is in good condition, but if a straggly spark or no spark at all is obtained the secondary is open or short circuited at some point.

Question. What is the secondary voltage of transformers used in radio work?

Answer. 7,500-30,000.

Question. What is a common cause of puncturing of condensers?

Answer. A spark gap so adjusted that the distance between the electrodes is too great for the voltage to jump.

Question. What is a safety gap used for?

Answer. In modern sets the condenser and also the transformer secondary are protected by the safety gap. The terminals of this gap are placed at a slightly greater distance apart than the electrodes of the spark gap in the oscillatory circuit. Hence if for any reason there is an abnormal widening of the main spark gap, or if there is an opening in the oscillatory circuit, the transformer will discharge across the safety gap, thus not only preventing the puncturing of the condenser, but also protecting the secondary windings from short circuit.

Question. If one condenser unit should puncture and there are no spares available, what adjustments should be made to place the transmitter in operation?

Answer. The loss of a condenser in the closed circuit will mean a reduction of the wave length in that circuit. In order that the set may operate the normal wave length, inductance must be added at the primary of the oscillation transformer. In practice, the operator adds inductance until the hot wire ammeter gives the highest reading, thus indicating that the open and closed circuits are in resonance.

Question. In case all the condenser jars became punctured or broken and no spares were available, how could the transmitter be operated temporarily?

Answer. A direct aerial connection is the only feasible plan for operating the set. That is, the spark gap is placed in series with the aerial, aerial inductance and ground, the secondary terminals of the transformer being connected to either side of it.

Question. Name the various types of spark gaps employed in radio transmitters.

Answer.

1. Straight gap.
2. Non-synchronous rotary gap.
3. Synchronous rotary gap.
4. Quenched gap.

Question. What adjustments should be made in the coupling when changing from a synchronous rotary gap to a quenched gap?

Answer. The coupling should be increased.

Question. What would be the result of a short circuited field coil on a generator?

Answer. A very noticeable reduction in the A. C. voltage and power.

Question. In case your generator voltage indicated a small amount (5-15 volts), but showed no change on moving the field rheostat handle, what is the trouble?

Answer. No pressure on the D. C. supply source or a break in the circuit. The small voltage is due to residual magnetism in the pole pieces.

Question. What provision is made on an automatic starter to regulate the rapidity with which the starting resistance will be cut out of the circuit?

Answer. In some cases this provision is made by an adjusting nut or screw on the armature which the solenoid attracts. This regulates the distance from the armature to the solenoid. In the case of the dash pot type of starter, a small valve regulates the flow of air into the chamber, thus regulating the speed of operation.

Question. In case the motor starter burned out entirely, what substitute could be used?

Answer. For this purpose a salt-water rheostat may be used. This consists of two metallic plates immersed in a wooden bucket filled with salt water. The plates are at first separated as far as possible. After the main line D. C. switch is closed and the motor starts, they are slowly moved toward each other until they touch. A metallic bucket may be used if it is properly insulated from the ground. In case this type of bucket is used, the bucket itself may be used as one of the plates.

Question. Why is a motor generator necessary for a wireless transmitter on most merchant vessels?

Answer. The power supplied by the ship's generator is usually direct current.

Question. What are the advantages of a quenched gap?

Answer.

1. It quenches the oscillations in the closed oscillatory circuit at the completion of the discharge and thus allows the aerial circuit to oscillate at its own frequency and damping.
2. Due to the above, the primary and secondary may be placed in very close inductive relation to each other, thus insuring a maximum transfer of energy to the aerial and hence a larger radiation of energy.
3. It has no moving parts.
4. It is noiseless.
5. It is synchronous if adjusted properly.
6. It allows the employment of low voltage transformers.

Question. Name the types of condensers used in radio transmitters.

Answer.

1. Leyden jar condenser.
2. Glass plate condenser.
3. Compressed air condenser.
4. Dublier mica condenser.

Question. Describe the various types of condensers.

Answer. The Leyden jar condenser consists of a jar covered on the inside and outside with thin copper foil, usually deposited by an electrolytic process.

The glass plate condenser is made up of a number of glass plates coated on both sides with copper, lead or tin foil up to within two inches or so of the edge.

The compressed air condenser consists of a number of steel plates placed in a steel cylindrical tank, into which air is pumped to a pressure of about 250 pounds. The compressed air acts as a dielectric.

The mica condenser, as the name indicates, employs mica for its dielectric.

Question. What is the disadvantage of the glass plate condenser?

Answer. In case it becomes punctured, it is very difficult to locate and remove the punctured section.

Question. What does the closed circuit of a transmitter consist of?

Answer. The condenser, spark gap and primary of the oscillation transformer.

Question. What is the function of the oscillation transformer?

Answer. To transfer the energy from the closed circuit to the antenna circuit and also to provide a means of tuning the two circuits.

Question. What is the effect of connecting two condensers of equal capacity in series?

Answer. The total capacity is reduced to one-half that of one of the condensers.

Question. What connection is sometimes made with condensers in order to reduce the strain on any unit?

Answer. The complete condenser unit may be made up of a number of banks connected in series.

Question. How may an oscillation transformer be adjusted in order to reduce the power of a transmitter?

Answer. The decrease in the coupling (moving coils further apart) will reduce the power.

Question. Under what circumstances is a condenser used in series with the antenna circuit of a transmitter?

Answer. When it is desired to transmit on a wave length lower than the natural wave length of the antenna.

Question. After the coupling of a transmitter has been adjusted so that the closed and open circuits are in resonance, what effect has an increase of coupling upon the radiated wave?

Answer. Waves of two frequencies of oscillation will be radiated and the energy will be distributed over a wide range of wave lengths, thus decreasing the efficiency of the transmitter and causing considerable interference.

Question. Under what circumstances is the coupling of a transmitter increased in order to send out a broad interfering wave when the energy is distributed over a wide range of wave lengths?

Answer. When sending distress signals.

Question. What provision is made in modern commercial radio transmitters for changing the wave length of the radiated wave?

Answer. Many transmitters employ what is known as a wave-changing switch, which is operated by a handle on the front of a panel. This handle controls the movement of a shaft to which a number of blades are connected, making connection in various positions to multiple contacts. In the different positions indicated on the front of the panel, this switch makes variations in the size of the transmitting condenser, varies the number of turns of inductance in the primary and secondary of the oscillation transformer and in some cases places a condenser in series with the antenna and a reactance coil in series with the power transformer for transmission for short distances.

Question. After the primary and secondary circuits of a transmitter have been tuned to a given wave length, what is the usual method of placing the circuits in resonance?

Answer. The coupling between the two coils of the transformer is varied until the aerial ammeter indicates a maximum value of current.

Question. For what purpose is an aerial tuning inductance used?

Answer. To increase the wave length of the open oscillatory circuit.

Question. What instruments are necessary to adjust a transmitter to a given wave length?

Answer. A wave meter for tuning the circuits and an aerial ammeter for placing the circuits in resonance.

Question. What objections are there to the use of a plain aerial transmitter?

Answer. The principal objection is that such a transmitter radiates a highly damped wave which causes much interference. Another objection to the plain aerial transmitter is that it imposes a great strain upon the aerial insulation which is likely to cause a breakdown.



# HERE IT IS

## TELMACO DE LUXE—Receiver



### Specifications

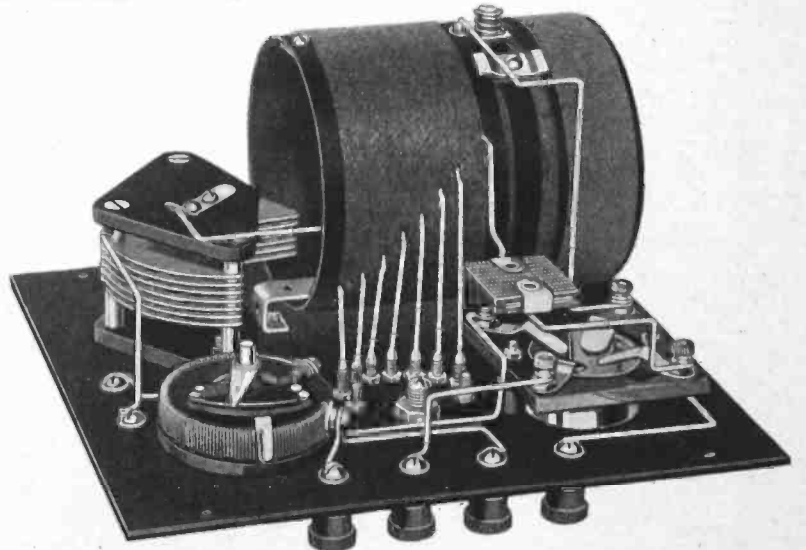
**F**ORMICA Panel Grained, Machine Engraved, Mahogany Piano finish Cabinet, all Knobs Match—Best Rheostats, shell sockets highly nicked, Bakelite Base—Rubber tipped binding posts, leads all soldered.

A strictly high grade product guaranteed 1500 to 2000 mile range on reception—Built of the best standard nationally known parts and sold on a money back guarantee.

Manufactured by the Tri-City Radio Electric Supply Co., licensed under Armstrong U. S. Patent No. 1113149, Oct. 6, 1914. For use in amateur stations and for radio experimental work.

## \$2500 BUYS IT

**T**HE workmanship, material and construction of the De-Luxe Receiver is equal to any high priced receiver on the market and is selective, easily tuned and of equal volume to any receiver costing many times more. Can be used with either 6 volt or 1½ volt tubes.



SHOWING INTERIOR CONSTRUCTION

## THE GREATEST VALUE EVER OFFERED

*Tell 'Em You Saw It in the Citizens Radio Call Book*

# LOOK IT OVER

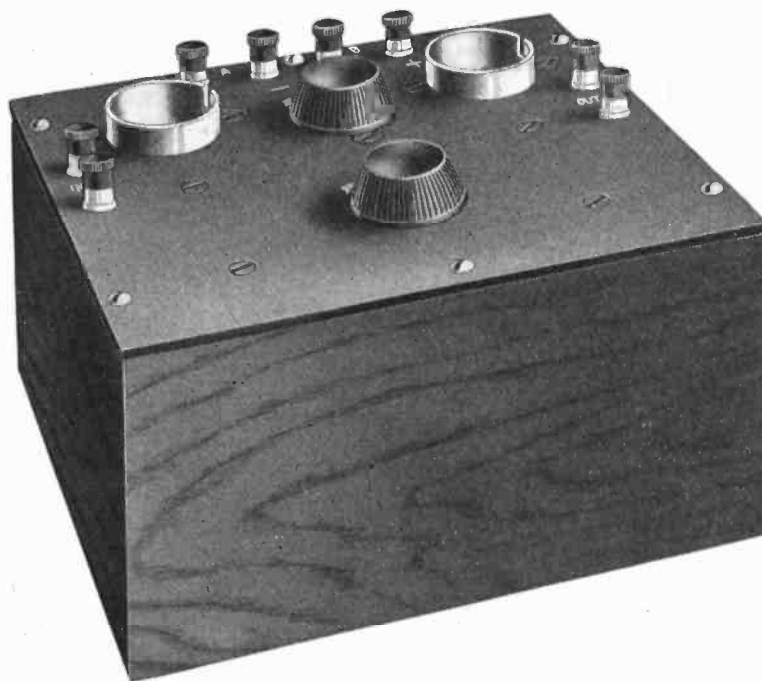
## Two-Stage Amplifier

**T**HE De Luxe A. F. two stage amplifier was built to match the De Luxe Regenerative Receiver. Can be used with any set and you could not purchase the parts retail and build it as cheaply as you can buy it already made.

## Specifications

**S**TANDARD nationally known transformers and rheostats, same sockets as used on De Luxe receiver, Formica panel machine engraved, mahogany piano finish on cabinet. Rubber tipped binding posts.

## DE LUXE—Amplifier



# \$20<sup>00</sup> BUYS THE AMPLIFIER

THE PARTS LIST AT MORE THAN THE COST

---

**W**ILL be sent to any address in United States upon receipt of price—or—will be sent C. O. D. Express—Subject to examination upon receipt of \$5. Pay the express company balance if satisfactory—if not return. You may purchase either unit separate—Tuner and detector unit \$25. 2 stage amplifier \$20.

**DE LUXE SALES COMPANY**  
DISTRIBUTORS

20 E. Jackson Boulevard  
CHICAGO - ILLS.

# Extracts From the Radio Communication Laws of the United States

## Classification of Licenses.

First class. (a) Adjustment of the apparatus and the knowledge of its functioning.

(b) Transmission and acoustic reception at the rate of not less than 20 words a minute.

(c) Knowledge of the regulations governing the exchange of radio correspondence.

Second class. Ability to transmit and receive at a rate of only 12 to 19 words a minute, but who, in other respects, fill the requirements mentioned above.

Watchers' class. Ability to receive and understand the radio-telegraph distress signal and the safety signal.

Extra first class. In addition to these the Department of Commerce will continue the issue of licenses certifying to—

(a) Adjustment of the apparatus and knowledge of its functioning.

(b) Transmission and acoustic reception at the rate of not less than 30 words per minute, Continental Morse, and 25 words per minute, American Morse (five letters to the word).

(c) Knowledge of the regulations governing the exchange of radio correspondence, which will be designated commercial extra first class.

### Service.

Hitherto the duration and quality of service has been shown by the indorsements on the license of the operator. These indorsements will be made as heretofore, and license of the several classes above enumerated will be graded also as follows:

Third grade. Less than 6 months satisfactory commercial service and a speed of 12 words a minute.

Second grade. Six months or more satisfactory commercial service in the third grade and a speed of 20 words a minute.

First grade. A year or more satisfactory commercial service in the second grade and a speed of 25 words a minute.

Satisfactory service as an operator in any branch of the Federal service shall be deemed equivalent to like commercial service.

### Experiment and Instruction Grade.

Experimenters and instructors of scientific attainments in the art of radio communication whose knowledge of the radio laws satisfies the radio inspector or the examining officer may obtain this grade license, provided they are able to transmit and receive in the Continental Morse Code at a speed sufficient to enable them to recognize distress calls or the "keep-out" signals.

The operator's license for this grade is a commercial license, indorsed by the Secretary of Commerce with a statement of the special purpose for which it is valid.

If the applicant qualifies, the radio inspector or examining officer will forward a blank commercial license, with the papers, to the Commissioner of Navigation, with his recommendation. If approved, the license will be properly indorsed by the Secretary of Commerce and delivered to the license through the recommending officer.

This license has no reference to the instruction of radio operators as such, but is required by those operating apparatus licensed as experimental stations but who are unable to obtain commercial grade operators' licenses.

Amateurs before applying for licenses should read and understand the essential parts of the International Radiotelegraphic Convention in force and sections 3, 4, 5 and 7 of the act of August 13, 1912. The Department recognizes that radio communication offers a wholesome form of instructive recreation for amateurs. At the same time its use for this purpose must observe strictly the rights of others to the uninterrupted use of apparatus for important public and commercial purposes. The Department will not knowingly issue a license to an amateur who does not recognize and will not obey this principle. To this end the intelligent reading of the International Convention and the act of Congress is prescribed as the first step to be taken by amateurs. A copy of the radio laws and regulations may be procured for this purpose from the radio inspectors or from the Commissioner of Navigation, Department of Commerce, Washington, D. C., but they are not for public distribution. Additional copies may be purchased from the Superintendent of Documents, Government Printing Office, Washington, D. C., at a nominal price.

### Amateur First Grade.

The applicant must have a sufficient knowledge of the adjustment and operation of the apparatus which he wishes to operate and of the regulations of the International Convention and acts of Congress in so far as they relate to interference with other radio communication and impose certain duties on all grades of operators. The applicant must be able to transmit and receive in Continental Morse at a speed sufficient to enable him to recognize distress calls or the official "keep-out" signals. A speed of at least 10 words per minute (five letters to the word) must be attained.

### Amateur Second Grade.

The requirements for the second grade will be the same as for the first grade. The second-grade license will be issued only where an applicant can not be personally examined or until he can be examined. An examining officer or radio inspector is authorized in his discretion to waive an actual examination of an applicant for an amateur license, if the amateur for adequate reasons can not present himself for examination but in writing can satisfy the examining officer or radio inspector that he is qualified to hold a license and will conform to its obligations.

### Examinations.

#### Method.

The following requirements and method of conducting examination for radio operators' licenses will be adopted at all examining offices.

#### Code Test (five letters to the word).

The test shall consist of messages with call letters and regular preambles, conventional signals and abbreviations and off phrases, and shall in no case consist of simple, connected reading matter. The test will be conducted by means of the omnigraph or other automatic instrument wherever possible.

The code test shall continue for 5 minutes at a speed of 20 words, 12 words and 10 words a minute, respectively, for the commercial first, second, and lower classes, 5 letters, numerals, or other characters to the word, and to qualify the applicant must receive 20, 12 or 10 words in consecutive order accurately and legibly written. Operators will not be permitted to break or interrupt while receiving or to correct or alter the transcription after it has been submitted to the examining officer.

The code test sheets written by the applicant will be forwarded to the Commissioner of Navigation with other papers and the speed attained noted in the lower left-hand corner of the first sheet.

An applicant will be given credit for the maximum speed he can attain.

#### Written Examination.

The practical and theoretical examination shall consist of seven comprehensive questions under the following headings and values:

	Points, maximum value.
(a) Experience	20
(b) Diagram of receiving and transmitting apparatus	10
(c) Knowledge of transmitting apparatus	20
(d) Knowledge of receiving apparatus	20
(e) Knowledge of operation and care of storage batteries	10
(f) Knowledge of motors and generators	10
(g) Knowledge of international regulations governing radio communication and the United States radio laws and regulations	10
	<hr/> 100

### Passing Mark.

Seventy-five constitutes a passing mark for the first class commercial. Sixty-five constitutes a passing mark for the second class commercial.

Applicants who fail to attain 20 words in the code test but who attain a mark of between 65 and 75 in the written examination may be issued second-grade licenses, if they can receive at least 12 words per minute.

### Experience.

Question (a) shall determine the applicant's practical knowledge and experience in handling radio apparatus. An applicant's experience will be determined largely from the personal question sheet and from satisfactory letters or references submitted. Experience, operating first-class amateur apparatus, or the apparatus provided in good training schools, will be given a reasonable value, but applicants who have had experience as apprentices at commercial shore stations or on board vessels will receive higher marks.

### Re-examination.

No applicant who fails to qualify will be reexamined at any examining office within three months from date of the previous examination. All examination papers, whether the applicant qualifies or not, will be forwarded to the Bureau of Navigation for filing as "Operator's Record." When the records of the Bureau develop the fact that an applicant has failed to qualify and has applied for reexamination or has been reexamined at the same or another office within three months, his existing license may be suspended or revoked by the Secretary of Commerce. Applicants to whom are issued second-grade licenses will not be examined for first grade within three months under the same rule.

## CLASSIFICATION OF SHIP STATIONS AND GRADES OF OPERATORS REQUIRED.

### First Class.

First Class: Vessels having a continuous service. There shall be placed in the first-class vessels which are intended to carry 25 or more passengers—

(1) if they have an average speed in service of 15 knots or more; (2) if they have average speed in service of more than 12 knots, but only subject to the twofold condition that they have on board 200 persons or more (passengers and crew), and that, in the course of their voyage, they go a distance of more than 500 sea miles between any two consecutive ports.

### Second Class.

Vessels having a continuous watch but a service of limited duration. Other vessels placed in the second class must, during navigation, maintain a continuous watch for at least seven hours a day, and a watch of ten minutes at the beginning of every other hour.

### Third Class.

Vessels which have no fixed periods of service. All vessels which are placed neither in the first nor in the second class shall be placed in the third class.

### Service and Operators Required.

Service may be defined as preparedness to transmit and receive radio messages or signals at the rate of at least 20 words per minute.

Watch may be defined as preparedness to receive distress signals and call letters slowly. A "watcher" or cargo-grade operator will summon a first or second class operator if necessary.

All American vessels required by the act of July 23, 1912, to be equipped with radio apparatus, and operators must at all hours maintain a continuous watch; that is to say, an operator or watcher must be "listening in" continuously. This requirement is outside of and above the requirement based on the classification under which the ship's station is licensed.

Vessels voluntarily equipped are not required to maintain this continuous watch. Vessels voluntarily equipped are, however, subject to the following requirements as to watch according to the class assigned to them in their station licenses.

If a license of the second class be issued to a voluntarily equipped vessel, the station must maintain a continuous watch for at least seven hours a day and a watch of ten minutes at the beginning of every hour.

The grade of operators required on vessels of each class are prescribed in the London Convention Service Regulations, Article X. A continuous watch may be maintained by one commercial second-grade operator and one cargo-grade operator on cargo steamers.

Passenger vessels coming under the act of July 23, 1912, which carry or are licensed to carry 25 or more passengers, must be placed in the first class: "(a) If they have an average speed in service of 15 knots or more; (b) if they have an average speed in service of more than 13 knots, but only subject to the twofold condition that they have on board 200 persons or more (passengers and crew) and that in the course of their voyage they go a distance of more than 500 sea miles between any two consecutive ports." The service shall be carried on by at least two commercial first-grade operators.

Cargo vessels coming under the act of July 23, 1912, which are required to maintain a continuous watch, must be placed in the second class if continuous service is not maintained. On cargo steamers a continuous watch may be maintained by at least one commercial second-grade operator and one cargo-grade operator.

Passenger vessels coming under the act of July 23, 1912, but which are not required to be entered in the first class, may be entered in the first or second class, according to whether continuous service or continuous watch is maintained. The number and grade of operators required is determined by service or watch. On passenger vessels coming under the ship act but entered in the second class at least two second-grade operators are required to maintain continuous watch.

Cargo vessels which come under the act of July 23, 1912, and are required to maintain a continuous watch, may be placed in the first class, if continuous service is maintained.

All vessels voluntarily equipped with radio apparatus and which have no specified hours of service or watch must be placed in the third class.

Any vessel voluntarily equipped may be placed in the first class if continuous service is maintained, or in the second class if a continuous watch, or a watch of limited duration, such as specified above for vessels of the second class, is maintained.



## Radio Laws Cont'd

In all ship stations transmissions shall be made only by operators holding commercial first or second grade licenses or higher.

Continuous service shall be maintained by not lower than commercial first-grade operators.

Vessels which are voluntarily equipped with radio apparatus for their own convenience and for the correspondence of officers and crew must employ at least one commercial second-grade operator or higher.

Radio telephone apparatus on vessels not coming under the act of July 23, 1912, must be operated by a person holding a cargo-grade license or higher.

The owners of ship stations desiring to change the classification of a ship must apply for a new license.

**LAND STATIONS.****Definition of Coast Stations.**

Coast stations are stations which transmit messages to vessels at sea or on the Great Lakes, or whose operations can interfere with the exchange of messages between ship and ship or ship and coast. The principal purpose of the regulation of radio communication, international and national, is to secure the greatest efficiency of maritime communication through this agency, especially as a means of promoting safety to life.

**Definition of Inland Stations.**

Inland stations are stations which can not transmit messages to vessels at sea or on the Great Lakes and whose operations can not affect the transmission of messages between ship and ship or ship and coast. This may be due to their geographical location or to their range, dependent on power and aerial, or conditions. In some instances actual inspection may be necessary to determine whether a station should be licensed as a coast station or an inland station. An operator or owner in doubt as to the classification of his station should communicate the facts to the radio inspector of his district when applying for a license.

**Wave Lengths, Distress Signals.**

Stations are bound to give absolute priority to calls of distress from ships, to similarly answer such calls, and to take such action with regard thereto as may be required.

The working of stations shall be organized as far as possible in such manner as not to disturb the service of other stations.

All coast stations, excepting general and restricted amateur stations, are required to be able to transmit on the wave lengths of 300 and 600 meters for the purpose of transmitting or relaying distress messages or signals and messages relating thereto, if necessary.

Coast stations primarily intended for long waves and long-distance transmission may install an auxiliary antenna and auxiliary transmitter to comply with the short wave length requirements.

The international standard wave length is 600 meters, and the operators of all coast stations are required, during the hours the station is in operation, to "listen in" at intervals of not less than 15 minutes and for a period not less than 2 minutes, with the receiving apparatus tuned to receive this wave length, for the purpose of determining if any distress signals or messages are being sent and to determine if the transmitting operators of the "listening station" are causing interference with other radio communication.

**General Public Service.**

General public service may be defined as "paid business" conducted on commercial wave lengths between ship and shore or ship and ship.

Limited public service may be defined as "paid business" between certain designated land stations, ships or lines of ships, and must be conducted on some authorized wave length other than 300 or 600 meters.

All special service must be conducted on some authorized wave length other than 300 or 600 meters, not interfering with general public service.

Limited commercial, special amateur, and all stations which have no authorized rates, shall not transmit or accept public correspondence from other stations, except in case of emergency.

If a general public service coast station also maintains a limited commercial service with other stations on land or with vessels at sea, the limited commercial service must be conducted on some authorized wave length other than 300 or 600 meters, but this service can be authorized on a general public-service coast station license without stating the specific hours, it being understood that the limited commercial service is conducted only when no general public service business is on file.

If a general public-service coast station also maintains a public service between fixed points on land, the service between the land stations must be conducted on some authorized wave length other than 300 or 600 meters, and a separate form No. 761, should be submitted covering "Limited public service," giving the exact hours of such service.

**APPLICATIONS FOR SHIP AND LAND STATION LICENSES, RENEWALS, AND DUPLICATES.****Apparatus Exempt from License.**

The act does not apply either afloat or ashore to—

(a) Apparatus for radio communication which merely receives radiograms and is not equipped for sending;

(b) Apparatus for the transmission of radiograms exclusively between points in the same State, if the effect of such transmission does not extend beyond the State (so as to interfere with the radio communication of other States), or if the effect of such transmission does not interfere with the reception of radiograms from beyond the State (so as to interfere with the interstate radio communication of that State);

(c) Apparatus for radio communication which has been issued to the Organized Militia by the War Department or to the Naval Militia by the Navy Department and is used for official purposes only.

The owner or operator of any apparatus who may be in doubt whether his apparatus, under this paragraph is exempt from license may write the facts to the radio inspector for his district before applying for a license.

**Ship Stations.**

The apparatus for transmission of radiograms, or signals on any vessel of the United States not permanently moored, requires a license.

**Land Stations.**

Apparatus for radio communication on land within the jurisdiction of the United States (excluding the Philippine Island and excluding apparatus of the Government of the United States) must be licensed if—(a) the apparatus is a means of commercial intercourse among the several States or with foreign nations; or (b) the apparatus transmits radiograms or signals the effect of which at any time extends beyond the State; or (c) the apparatus interferes with the receipt of messages in any State from beyond such State.

**Applications for Licenses.**

Station licenses for the use and operation of apparatus for radio communication under the act may be issued only to citizens of the United States or Porto Rico or to a company incorporated under the laws of some State or Territory or of the United States or Porto Rico.

Licenses can be issued to clubs if they are incorporated or if a member will accept the responsibility for the operation of the apparatus, carrying with it the possibility of being penalized for infraction of the laws.

Applications for station licenses of all classes should be addressed to the United States Radio Inspector for the district in which the station is located, who will forward the necessary blank forms and information. The limits of the districts and addresses of radio inspectors are given on page 70, paragraph 166.

Upon receipt of forms, properly complete, the radio inspector will make a thorough inspection of the station if practicable.

No station can be operated until license is secured.

General and restricted amateur-station license are issued directly by radio inspectors. Station licenses of all other classes are issued from the office of the Commissioner of Navigation, Department of Commerce. Applications and forms are forwarded by radio inspectors with recommendations by them.

Stations desiring to operate different portions of the day under different classifications shall submit application for each service, giving exact hours for each. If approved, each classification will be specified in the license.

**Renewals of Station Licenses.**

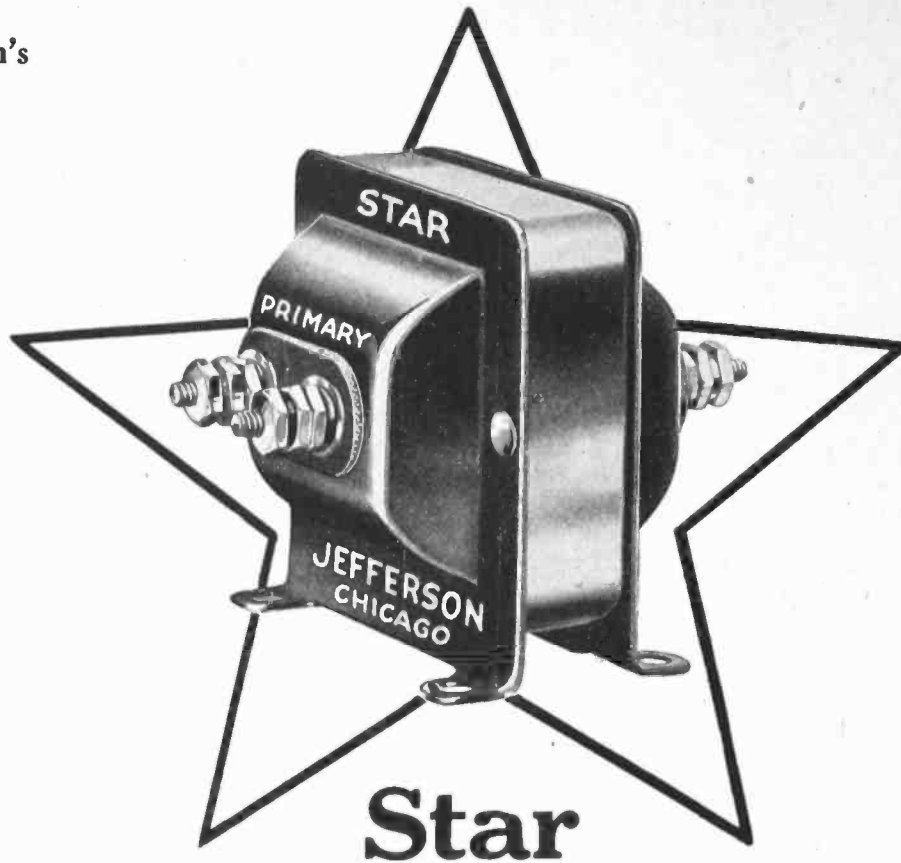
All persons are warned that it is unlawful to operate stations after licenses have expired unless application for renewal has been properly made. Hereafter expired station licenses of all classes, commercial and amateur, need not be returned to the radio inspectors with applications for renewals. Owners desiring a renewal license must complete new forms, as prescribed for original applications. New licenses will be issued in every case of renewal.

**Duplicates of Station Licenses.**

Any person applying for a duplicate license to replace an original which has been lost, mutilated, or destroyed will be required to submit an affidavit to the Bureau of Navigation through the radio inspector of the district, attesting the facts regarding the manner in which the original was lost. The Commissioner of Navigation will consider the facts in the case and advise the radio inspector in regard to the issue of a duplicate license, or a duplicate will be forwarded through the inspector's office. A duplicate license will be issued under the same serial number as the original and will be marked "Duplicate" in red across the face.

The Radio Fan's  
Lucky Star

Price \$3.25



The

New

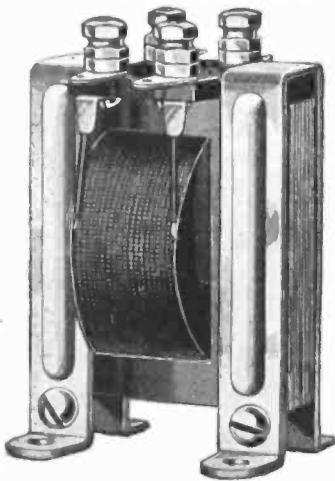
Star

## Amplifying Transformer

The new Jefferson Star amplifying transformer is designed to meet the demand for a low priced transformer of high quality. This transformer has the same characteristics and exclusive manufacturing features as our types No. 41 and No. 45 which have gained an enviable reputation for clear, sharp amplification without annoying tube noises or distortion.

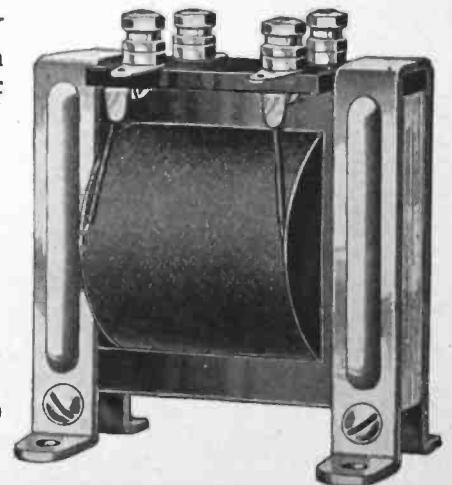
The fact that Jefferson amplifying transformers mean increased range and super-sensitivity is a well known conviction. In tens of thousands of receiving sets, they are insuring 100% amplification.

No. 45—Price, \$7.00



This positive preference rests on the unmistakable superiorities of design and operation which makes Jefferson amplifiers the choice of discriminating amateurs.

No. 41—Price, \$4.25



*"Send for Radio Bulletin"*

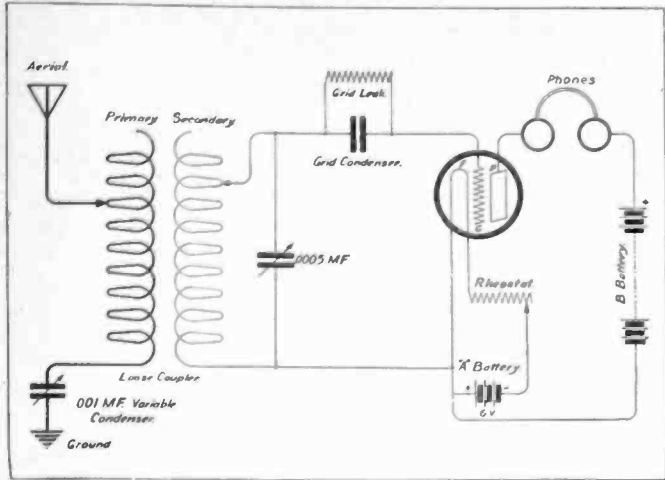
**Jefferson Electric Mfg. Co.**

433 So. Green St. - - CHICAGO

*Tell 'Em You Saw It in the Citizens Radio Call Book*

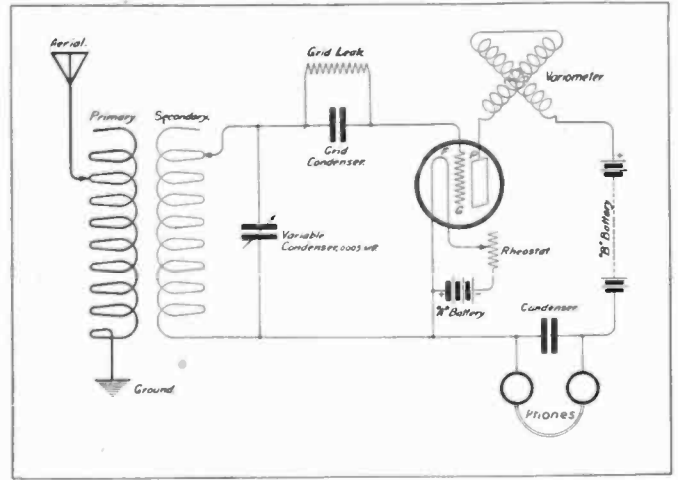
# SCHEMATIC-DIAGRAMS

Plain Audion Circuit.



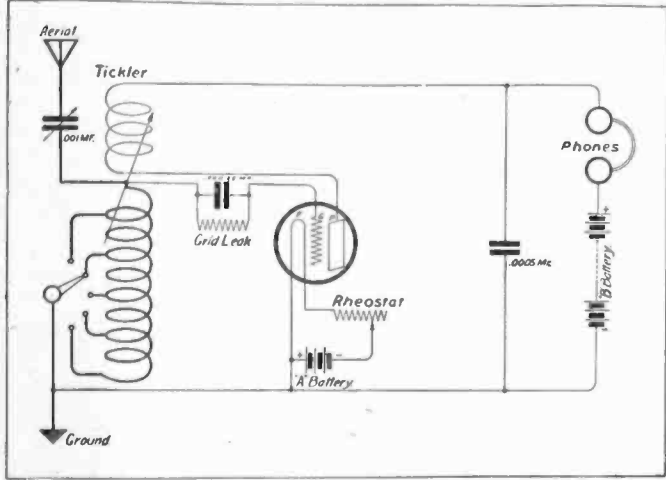
Parts consist of, Loose Coupler, Antenna Condenser, Secondary Condenser, Grid Condenser with Grid Leak, Rheostat, Tube and Socket, "A" and "B" Batteries, and Head Telephones.

Loose Coupler with Feed Back.



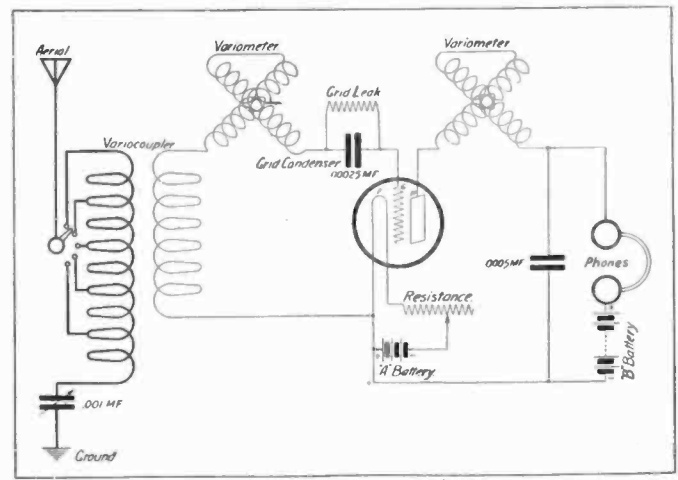
Parts consist of: Loose Coupler, Secondary Condenser, Grid Condenser and Grid Leak, Tube and Socket, Plate Variometer, Rheostat, Phone Condenser, "A" and "B" Batteries and Head Telephones.

Single Circuit Regenerator.



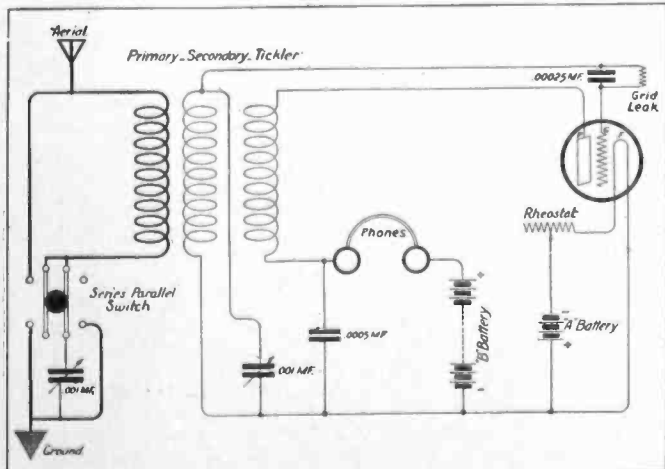
Parts consist of: Variocoupler, Antenna Condenser, Grid Condenser and Grid Leak, Tube and Socket, Phone Condenser, Rheostat, "A" and "B" Batteries and Head Telephones.

Standard Regenerative Receiver.



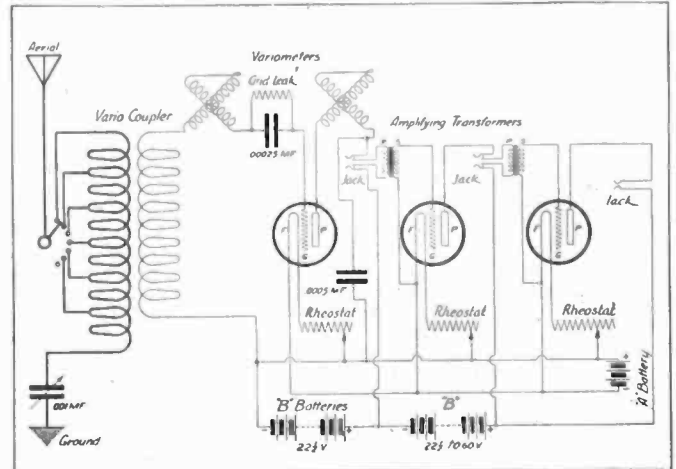
Parts consist of: Variocoupler, Antenna Condenser, Grid Condenser and Grid Leak, Tube and Socket, Grid and Plate Variometer, Rheostat, "A" and "B" Batteries, Phone Condenser and Head Telephones.

Honeycomb Coil Receiver.



Parts consist of: Three Honeycomb Coils, Series Parallel Switch, Antenna Condenser, Secondary Condenser, Grid Condenser and Grid Leak, Tube and Socket, Phone Condenser, Rheostat, "A" and "B" Batteries and Head Telephones.

Regenerative Receiver with Two Step Amplifier.



Parts consist of: Variocoupler, Antenna Condenser, Grid and Plate Variometers, Grid Condenser and Grid Leak, three Tubes and Sockets, three Rheostates, two Four-Point and one Two-Point Jacks, two Audio Frequency Transformers, Telephone Condenser, "A" and "B" Batteries and Head Telephones with Plug.

Drawings furnished by courtesy of Jefferson Electric Manufacturing Company, Chicago, Illinois.



# KLOSNER

**FORMICA**  
A Laminated Phenolic Condensation Product  
SHEETS TUBES RODS  
**RAULAND MFG. CO.**  
35 So. Dearborn St., Chicago, Ill.

# REMLER

# MAGNAVOX

The Reproducer Supreme  
Radio

**ACME** ~ for amplification  
Western Electric

**C. Brandes, INC.**  
Matched Tone Headsets

# BURGESS

"B" BATTERIES  
"ASK ANY RADIO ENGINEER"

## Distributed by "CHI-RAD"

JOBBERS & RETAILERS

**Gilfillan Brothers**  
**MU-RAD**  
LABORATORIES  
INCORPORATED  
ASBURY PARK  
NEW JERSEY

**DUBILIER**  
Condenser & Radio Corp.  
48-50 West 41<sup>st</sup> St. N.Y.

**RADIO HOMCHARGER**  
DE LUXE  
JEWELL ELECTRICAL INSTRUMENT CO.

**AMRAD**  
The Recognized Symbol of Superior Performance

Like Postage Stamps  
**POST RADIO**  
156 W. LAKE ST.  
CHICAGO, ILL.  
Used Everywhere

**KELLOGG SWITCHBOARD & SUPPLY COMPANY**

### Radio Apparatus from "Chi-Rad"—

is good apparatus—these nationally advertised trade-marks prove that.

For that set—receiving or sending—the knowing amateur buys only tested radio parts—parts that have been tried by those capable of judging.

Each and every member of Chi-Rad's staff is an old-time A. R. R. L. operator. With them, radio is more than a business—it is a fascinating hobby and profession.

When you deal with "Chi-Rad," you're dealing with men who understand your wants—who can help you solve your problems intelligently.

**Chicago Radio Apparatus Co.**  
415 South Dearborn Street  
CHICAGO

# PARAGON

Reg. U.S. Pat. Off.  
RADIO PRODUCTS  
CHELSEA RADIO COMPANY

# VESTA

COSTS LESS PER MONTH OF SERVICE

**WALNART ELECTRIC MFG. CO.**

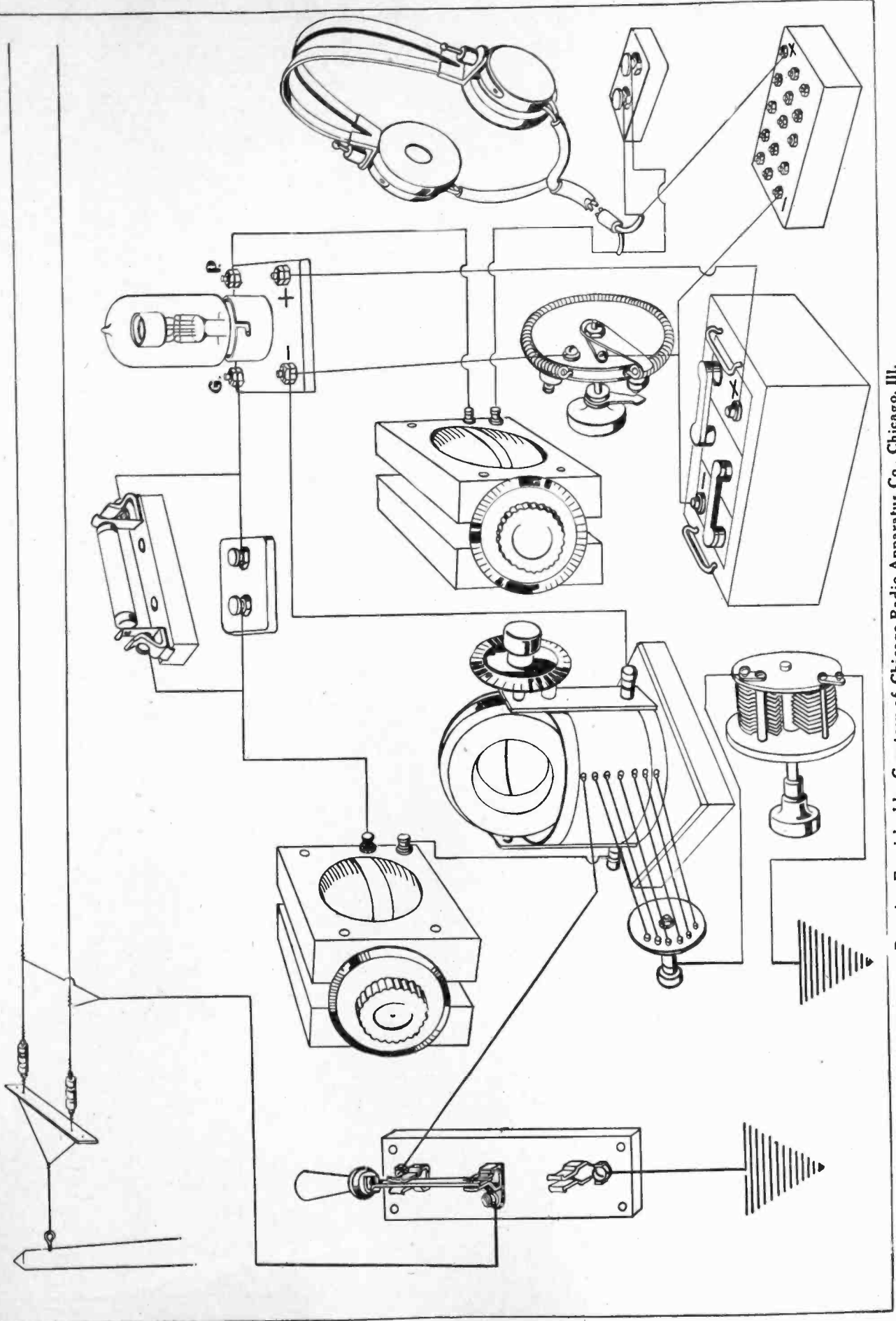
THE NEW "ALL WAVE" Coupler  
TRADE MARK  
FLAT AND BANK WOUND

**BUR**  
RADIO

**EFLA**  
**MURDOCK**  
**RADIO**  
**BRACH**  
VACUUM LIGHTNING ARRESTED  
**Carter Radio Co.**  
103 S. PULASKI STREET  
CHICAGO  
**GENERAL RADIO**  
Thordarson

Have You a Copy—  
of "Chi-Rad's" latest Handbook-Catalog? It tells "How to Build the Reinartz Receiver," gives technical descriptions of standard radio apparatus, and tables, definitions, etc. Because of the great number of requests for our Handbook, we are forced to make a small mailing charge of 10c. Send your dime for your copy, today!

# STANDARD REGENERATIVE RECEIVER



Drawing Furnished by Courtesy of Chicago Radio Apparatus Co., Chicago, Ill.

# A Vernier Condenser WITH A Micrometer Adjustment

NO instrument plays a more important part in radio receiving than the condenser.

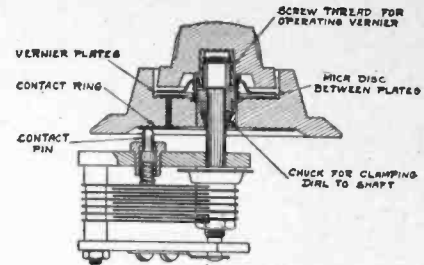
A poor condenser will ruin the best of hookups. It is not sufficient that the condenser be electrically correct. It must be mechanically perfect. For constant use will soon show up the weak points and cause short circuits of the plates.

United Condensers are regarded by the leading manufacturing and radio engineers of the country as standard—they are the best yet produced.

The vernier adjustment is the last word in vernier dial control. It is fully protected by patent applications—is positive—extremely sensitive—and cannot short circuit. There is no plate to get out of alignment.

The dial on the condenser is large and easy to handle—it fits comfortably into the hand—it is extremely handsome and suitably engraved with white enamel figures.

The vernier knob is in the center, convenient and easy to tune.



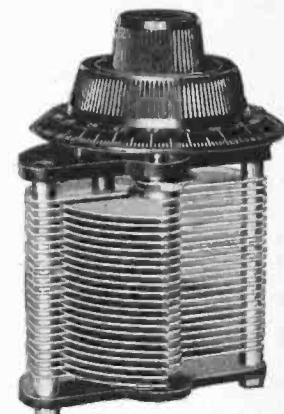
**“UNITED”  
Vernier Dial Assembly**

**\$2<sup>50</sup>**

*Can be attached to any Plate Condenser*

## **“UNITED” Variable Condenser With Vernier Dial Assembly**

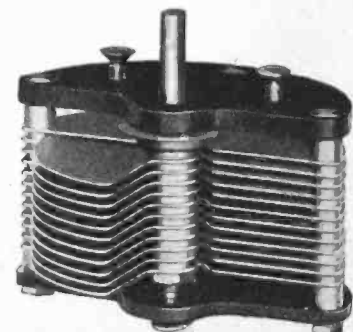
43 plate .....	\$6.50
23 plate .....	6.00
11 plate .....	5.50
5 plate .....	5.00
3 plate .....	4.75



**“UNITED”  
VARIABLE CONDENSER  
With Vernier Dial Assembly**

## **“UNITED” Variable Condensers With- out Vernier Dial Assembly**

43 plate .....	\$4.00
23 plate .....	3.50
11 plate .....	3.00
5 plate .....	2.50
3 plate .....	2.25



**“UNITED”  
VARIABLE CONDENSERS  
Without Vernier Dial Assembly**

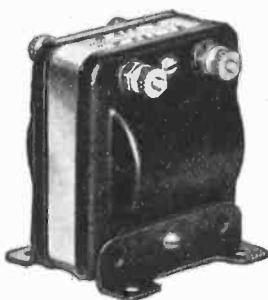
## **“UNITED” Audio Frequency Transformers**

**\$4<sup>50</sup>**

Made in one size—ratio 5 to 1

United Transformers are made with the same radio skill and care as United Condensers, and have earned for themselves the unqualified endorsement of the radio world. Shielded in Black Enamel Shell, with all nickel parts buffed.

Send for illustrated folder  
Jobbers and Dealers write for discounts.



Patent Applied For.

# UNITED MFG. & DISTRIBUTING CO.

536 Lake Shore Drive, Chicago, Ill.

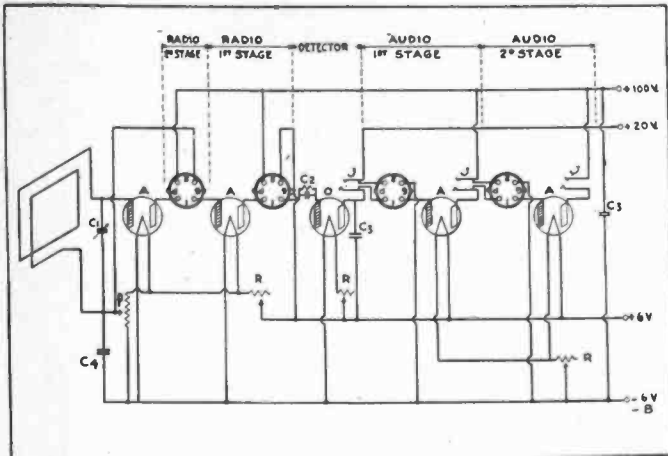
New York Office,  
50 Church St.,  
New York, N. Y.

San Francisco Office,  
709 Mission St.,  
San Francisco, Cal.



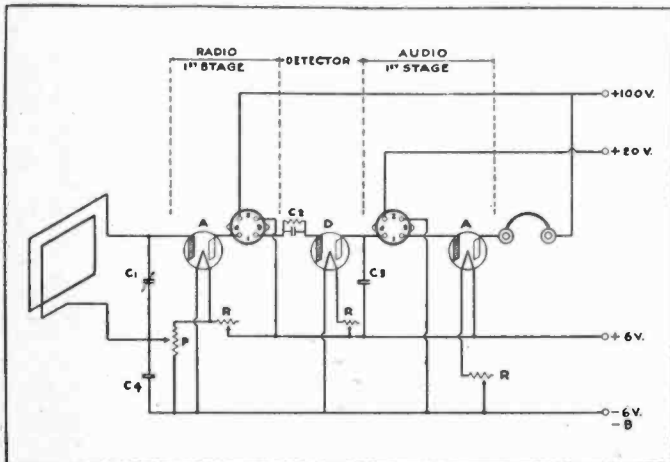
Schematic Diagrams Cont'd

Loop receiver with two stages radio, detector and two stages audio frequency amplification.



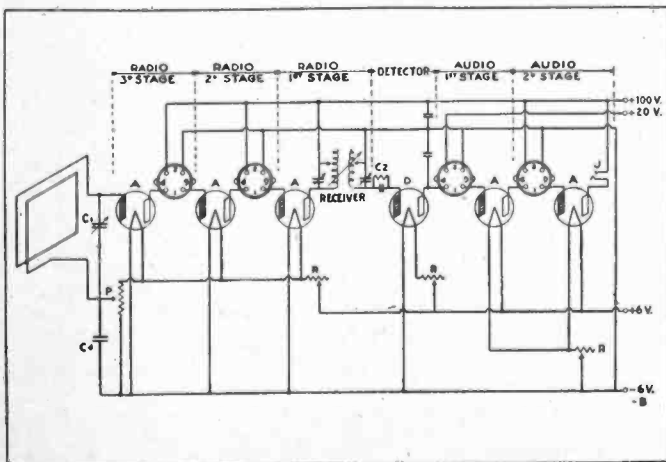
Parts consist of: Loop, variable condenser, potentiometer, five tubes and sockets, three rheostats, four fixed condensers, two radio frequency transformers and two audio frequency transformers, "A" and "B" batteries.

Loop receiver with one stage radio and one stage audio frequency amplification.



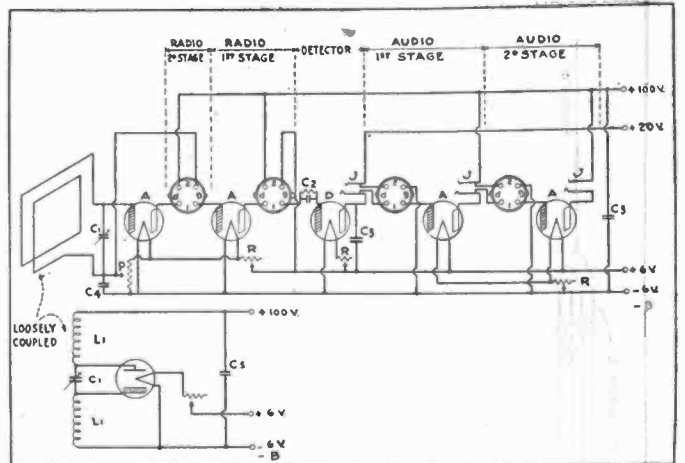
Parts consist of: Loop, variable condenser, three fixed condensers, three tubes and sockets, three rheostats, potentiometer, one radio and one audio frequency transformer, Phones, "A" and "B" batteries.

Loop receiver with variable radio frequency transformer.



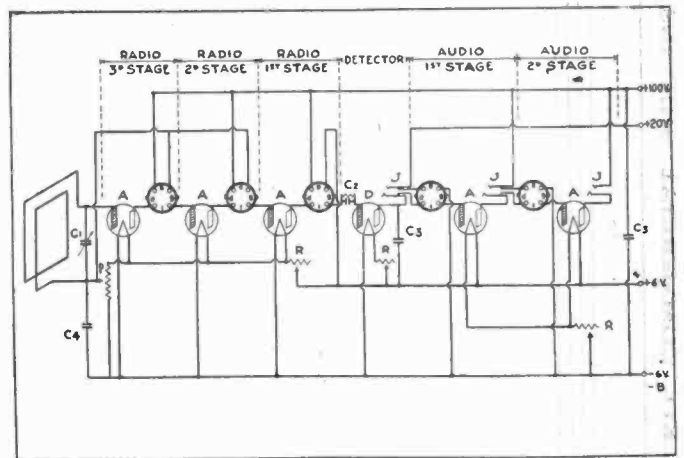
Parts consist of: Loop three variable condensers, four fixed condensers, potentiometer, six tubes and sockets, three rheostats, variocoupler, two radio and two audio frequency transformers, "A" and "B" batteries.

Super heterodyne with radio and audio frequency amplifier.



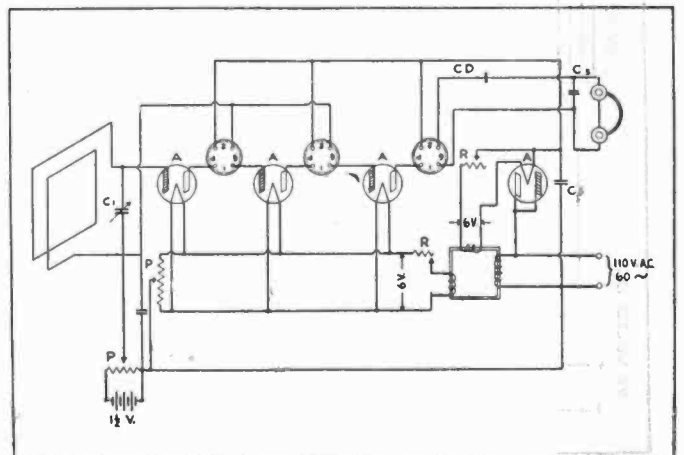
Parts consist of loop, six tubes and sockets, two variable condensers, five fixed condensers, four rheostats, potentiometer, two radio and two audio frequency transformers, "A" and "B" batteries.

Loop receiver with three stages and two audio frequency amplification.



Parts consist of: Loop variable condenser, potentiometer, three rheostats, four fixed condensers, six tubes and sockets, three radio and two audio frequency transformers, "A" and "B" batteries.

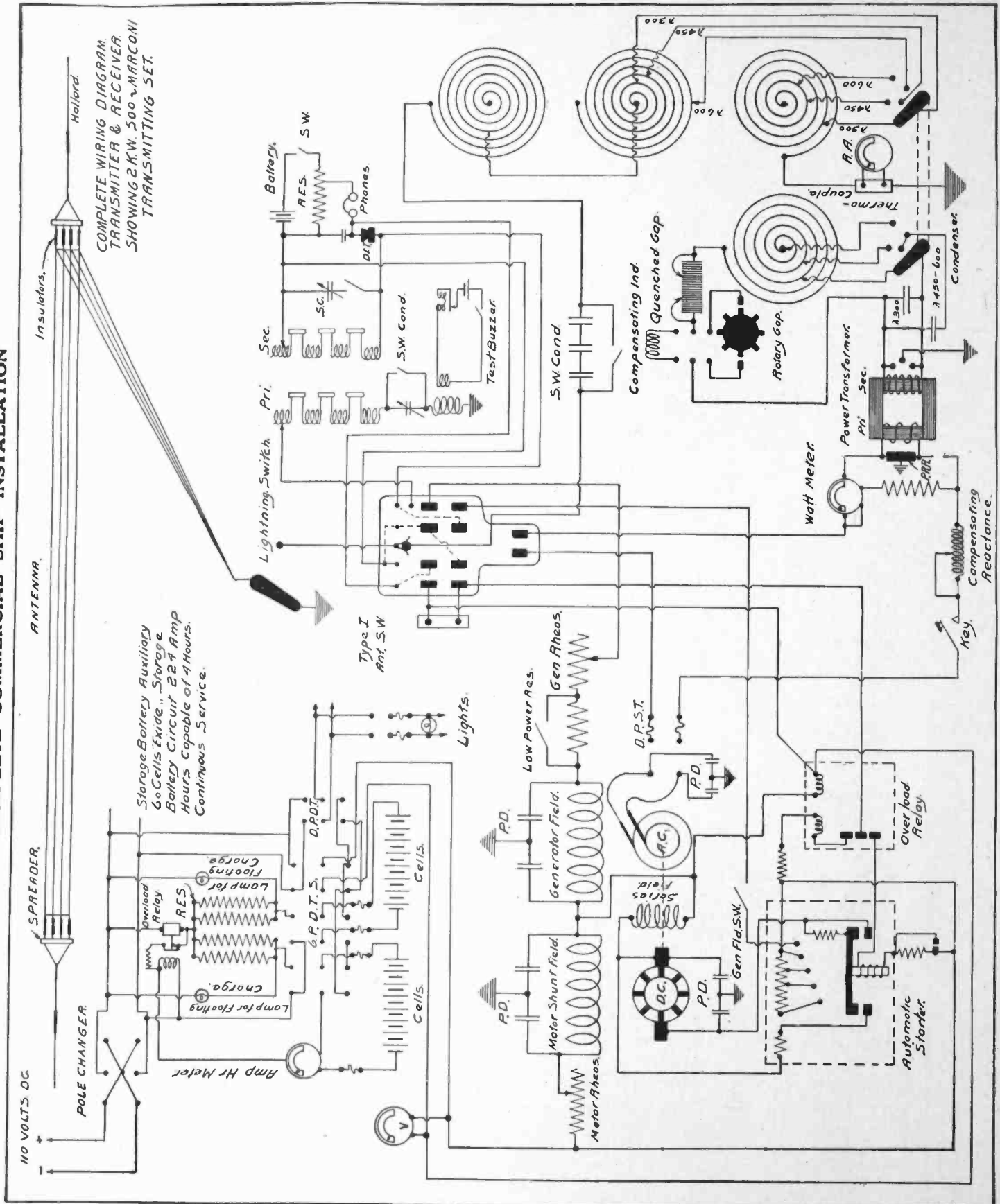
Loop Receiver using 60 cycle AC to operate filaments and plate voltages.



Parts consist of: Loop variable condenser, four tubes and sockets, two rheostats, potentiometer, three fixed condensers, three radio frequency transformers, specially constructed step down transformer, crystal detector, and biasing battery.

Schematic Diagrams Cont'd

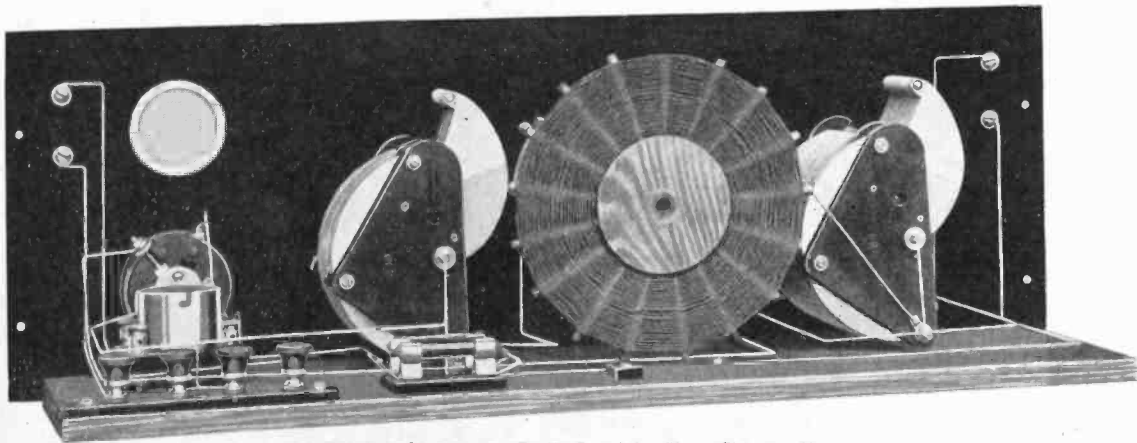
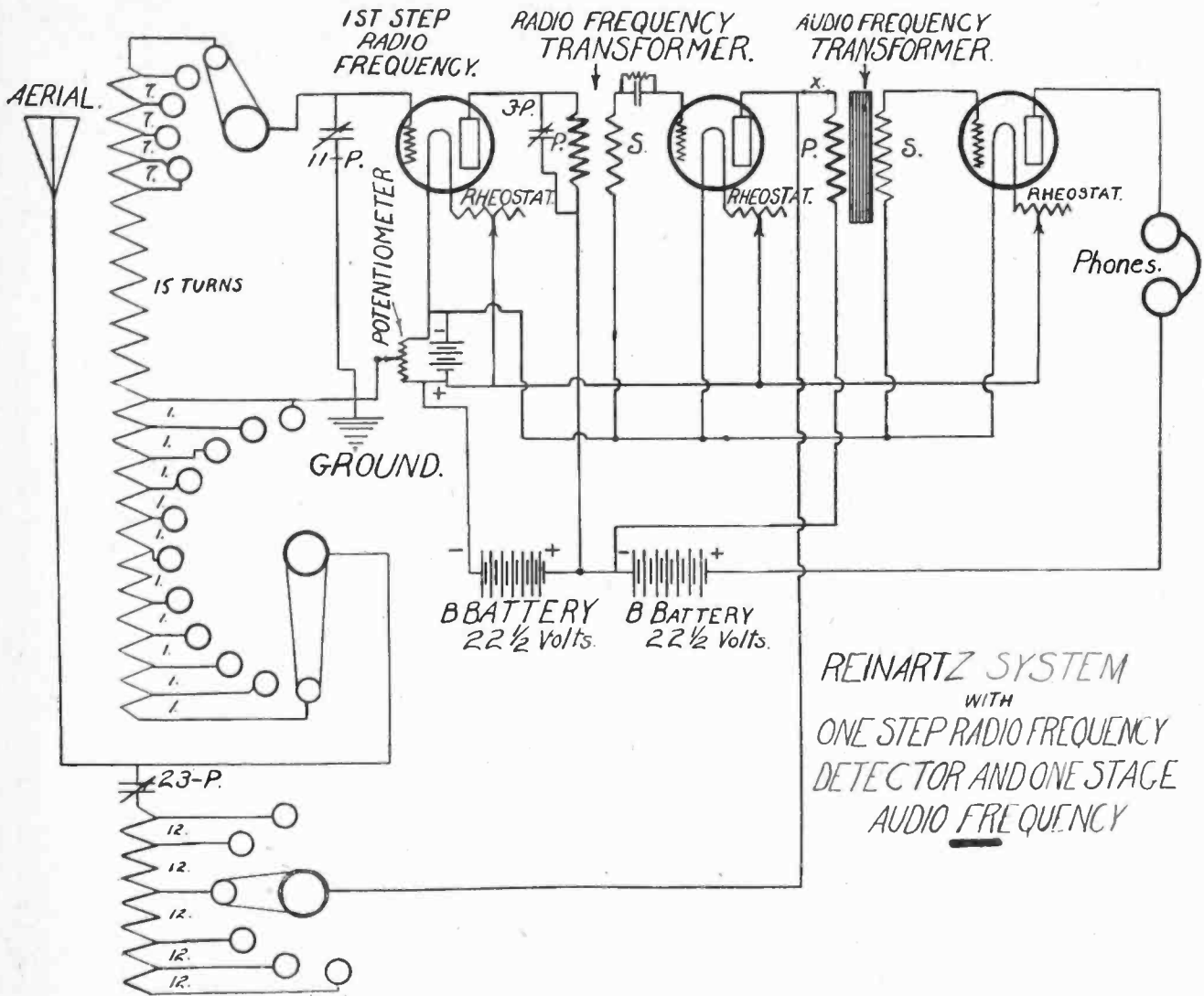
COMPLETE COMMERCIAL SHIP INSTALLATION



THIS DRAWING WILL BE ACCEPTED FOR COMMERCIAL LICENSE EXAMINATION

Schematic Diagrams Cont'd

# The Reinartz Tuner



Receiver, by courtesy Radio Specialty Shop, Chicago, Ill.



WDAP  
CHICAGO

3,700 MILES

CHERBOURG

# 'ALL AMERICAN'

## Sets World Record for Long Distance Radiophone Receiving

WHEN WDAP, Chicago, talked to S. S. Berengaria, the signals were amplified aboard ship thru "ALL-AMERICAN" AMPLIFYING TRANSFORMERS.

WDAP, The Drake Hotel, Chicago, made history in radio, by talking, day-by-day, with the S. S. Berengaria, enroute, New York to France.

Miss Florence McDonald, a passenger, installed a standard Zenith Receiving Set in the steamship cabin and, every evening during the voyage, WDAP talked to her and other passengers from Chicago, their voices coming clear and strong with the personality easily recognizable.

The set used by Miss McDonald is one of the regular Zenith Sets, manufactured by the Chicago Radio Laboratory, Chicago, Illinois. It contains as standard equipment

### "All-American" Amplifying Transformers

"ALL-AMERICAN" TRANSFORMERS, after the severest competitive tests by America's leading radio engineers, have been adopted as standard equipment by the following leading recognized manufacturers of Radio Receiving Sets:

Colin B. Kennedy	Cleartone
Cutting & Washington	Marshall Gerken
Jones Radio	Audiola Radio Co.
Zenith (Chicago Radio Laboratory)	Illinois Radio Eng. Co.

When three stages of amplification are desired, use the R-13 on 1st, R-21 on 2nd and R-12 on 3rd stage.

The transformers are completely shielded in baked-on black enamel velvet finish cases—they are an ornament to any set. Their perfect amplification without howl or distortion is what has made them the standard Radio Amplifying Transformer by which all others are judged.

Book of unusually successful hook-ups mailed free on receipt of two cents to pay postage.



### Radio Frequency Transformer

(150-550 meters) \$4.50



### Audio Frequency Transformers

R-12 (Ratio 3 to 1) \$4.50  
R-13 (Ratio 10 to 1) \$4.75  
R-21 (Ratio 5 to 1) \$4.75



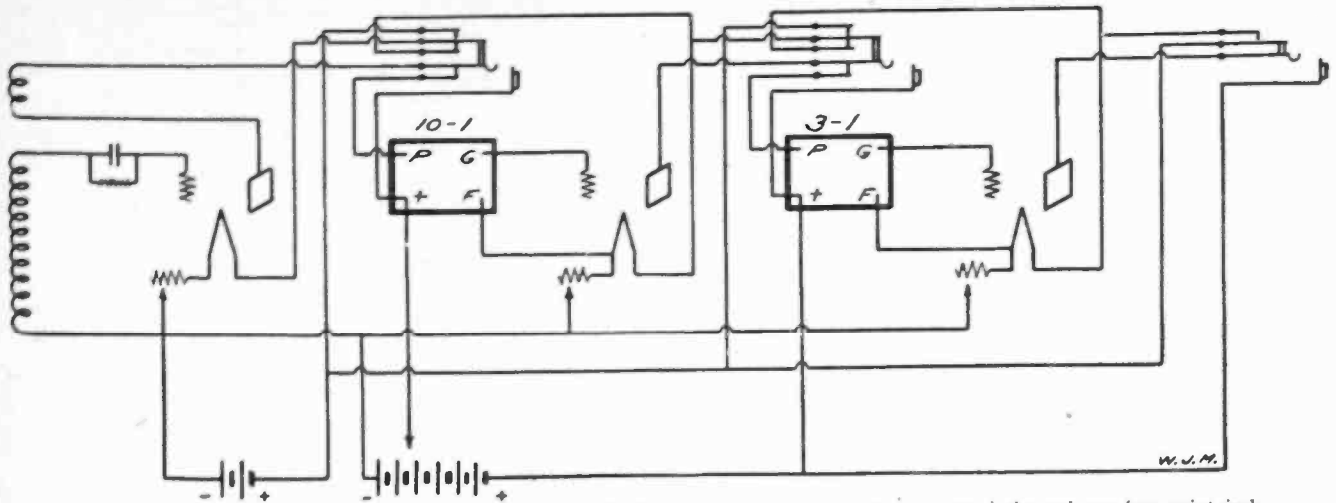
# RAULAND MFG. CO.

200 No. Jefferson St., Chicago, Ill.



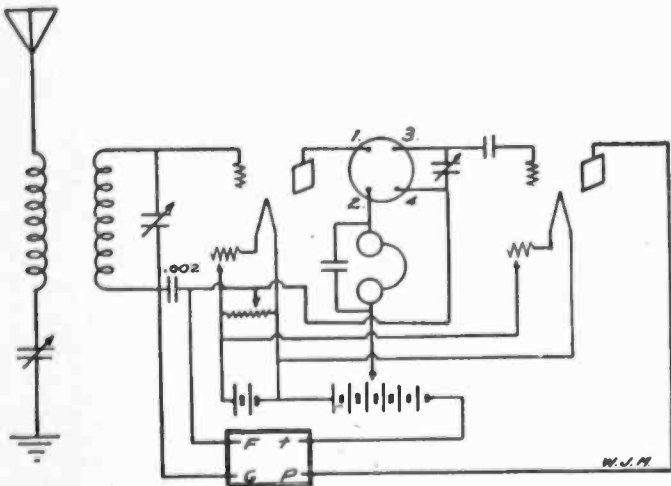
Schematic Diagrams Cont'd

# RECEIVER USING AUTOMATIC FILAMENT JACKS



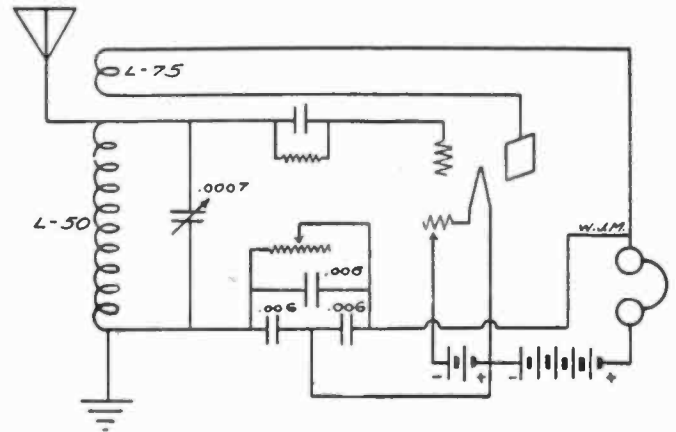
Parts consist of: The usual receiving apparatus, two audio frequency transformers, two six point jacks and one four point jack.

Reflex Circuit.



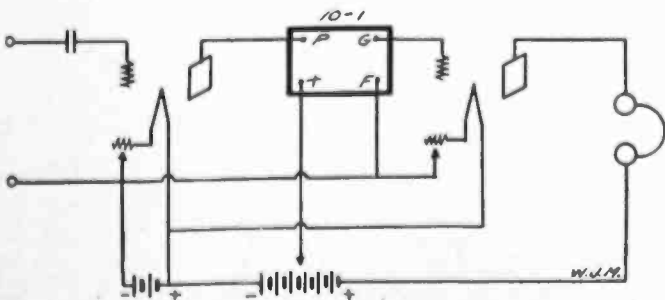
Parts consist of: Variocouplar, three variable condensers, three fixed condensers, two tubes and sockets, two rheostats, one potentiometer, one radio and one audio frequency transformer, Head telephones, "A" and "B" batteries.

Flewelling Circuit.



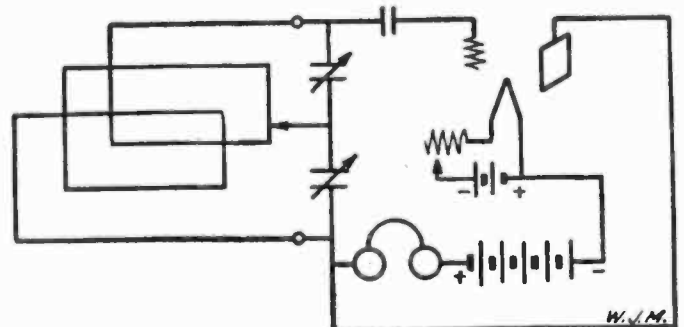
Parts consist of: Two honeycomb coils, one variable condenser, four fixed condensers, one fixed and one variable grid leak, tube and socket, one rheostat, head telephones, "A" and "B" batteries.

Detector and One Stage Audio Frequency Amplification.



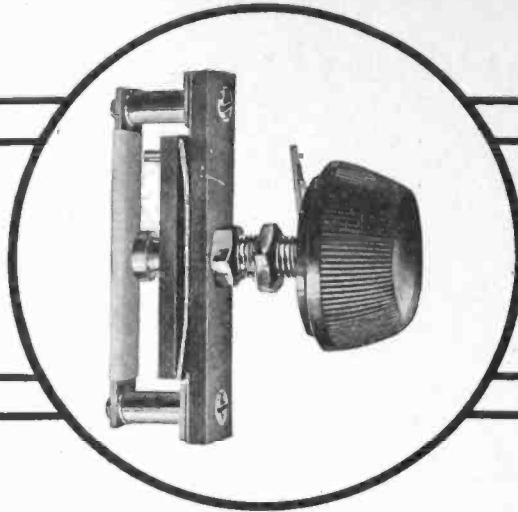
Parts consist of: One fixed condenser, two tubes and sockets, two rheostats, one audio frequency transformer, head telephones, "A" and "B" batteries.

Loop Special.



Parts consist of: Loop, two variable condensers, one fixed condenser, tube and socket, one rheostat, head telephones, "A" and "B" batteries.

Drawings furnished by courtesy of Rauland Manufacturing Co., Chicago, Ill.



**C R L Adjustable  
Grid Leak**  
(With Condenser)

Construction Fully Patented.

## "Tune a Little Sharper and Kill the "Squeal"

Equip your set with a C R L Adjustable Grid Leak and get the benefit of your full signal strength at all times. You'll be able to tune a little sharper and kill that annoying "squeal."

There's only one correct grid potential that will provide you with the maximum signal strength. A turn of the polished black knob on a

### Built With

A

### Permanent Resistor

C R L Adjustable Grid Leaks are not of the pencil-mark type, but are built with a permanent resistor strip impregnated with a high resistance compound of tested permanence. The current from the grid leaks along this strip, the amount being accurately regulated by adjusting the area of contact of the strip with a curved phosphor-bronze spring that is held in place by a compression block. The adjustment is controlled by the operating knob. The entire construction is thoroughly reliable.

It pays to buy  
C R L Equipment.

## C R L Adjustable Grid Leak

will enable you to get that one and only correct potential quickly and accurately.

The distance between centers of the binding posts on C R L Adjustable Grid Leaks is  $2\frac{1}{4}$  inches—just right for mounting a standard grid condenser. Purchase them with or without condenser as you desire.

### Retail Prices in U. S. A.

No. 106 (without condenser) .....	\$1.50
No. 107 (with grid condenser) .....	1.85

Order from your dealer or, if he has none in stock, get in touch with our Factory Representative or write direct to us. Samples may be obtained from the Factory for the retail price plus 10c for postage.

## Central Radio Laboratories

301 16th Street

Milwaukee, Wisconsin

### FACTORY REPRESENTATIVES

For Illinois—Klantz Radio Co., 508 S. Dearborn St., Chicago.  
For Michigan and Ohio—A. R. Wildauer, 516 Moffat Bldg., Detroit.  
For Minnesota—Bridge Distributing Co., 124 S. Ninth St., Minneapolis.  
For Missouri, Kansas, Oklahoma, and Texas—Wood & Lane Co., 515 Olive St., St. Louis, Mo.

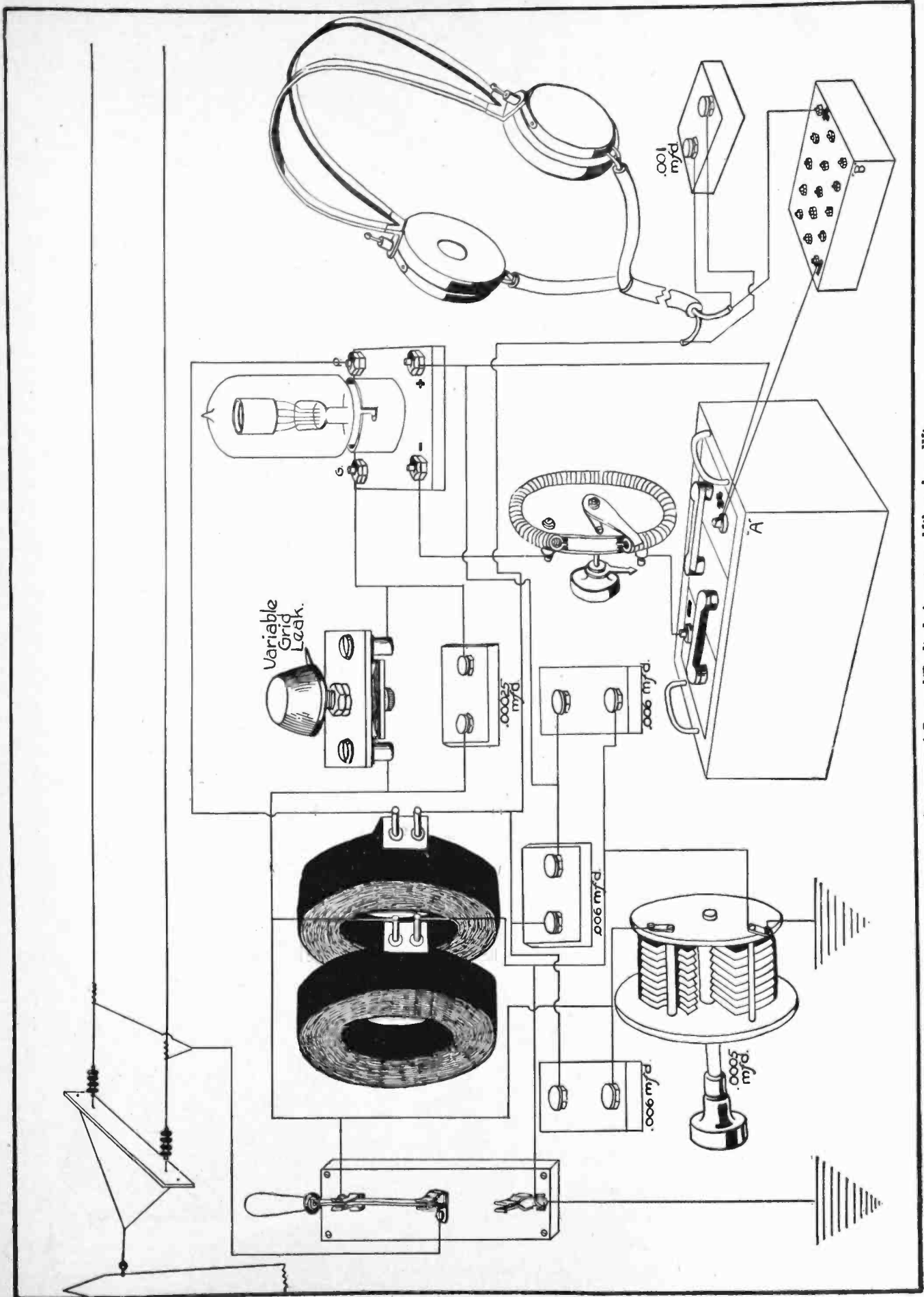
For Eastern Pennsylvania and Southern New Jersey—Novelty Products Co., 42 N. Seventh St., Philadelphia.  
For Eastern New York and Northern New Jersey—Southgate & Co., 30 Church St., New York City.  
Canadian Distributor—Wright Radio Co., Overbrook, Ontario.

Tell 'Em You Saw It in the Citizens Radio Call Book



Schematic Diagrams Cont'd

FLEWELLING-RECEIVER



Drawing Courtesy of Central Radio Laboratory, Milwaukee, Wis.

TRADE **"ESCO"** MARK  
**ROLL OF HONOR**

These (and many other) Institutions use "ESCO" Motor-Generators  
 For Wireless Operation

U. S. Naval Academy  
 U. S. Military Academy  
 U. S. Coast Artillery School  
 U. S. Army Air Service  
 U. S. Navy Air Service  
 U. S. Navy Yard  
 U. S. Dept. Interior (Alaska)  
 U. S. Bureau of Standards  
 Clark University  
 Dennison University  
 Fordham University  
 Johns Hopkins University  
 James Milliken University  
 La. State University  
 Marquette University  
 Purdue University  
 Princeton University  
 Queens University (Canada)  
 Tulane University  
 University of Fla.  
 University of Iowa  
 University of Minn.  
 University of Mo.  
 University of So. Dak.  
 Chicago Radio Laboratory  
 Ford Technical Lab.  
 General Motors Research Lab.  
 Hammond Research Lab.  
 Jackson Radio Eng. Lab.  
 Maritime Radio Lab. (St. Johns, N. B.)  
 Simplex Radio Lab.  
 Bd. of Education, Detroit  
 Bd. of Education, Saginaw  
 Bd. of Education, Toledo  
 State Bd. of Public Affairs (Okla.)  
 City of Chicago  
 City of Oakland  
 Wis. Dept. of Markets  
 Union Stock Yards, Chicago  
 Iowa So. Utilities  
 Broadcasting Corp. of Am.  
 Q. S. T. Executive Hqrs.  
 Henry Ford

Mass. Inst. of Technology  
 Cal. Inst. of Technology  
 Ala. Polytechnic Institute  
 Billings Polytechnic Inst.  
 Antioch College  
 Clemson College  
 Colgate College  
 College of LaVal (Canada)  
 College St. Croix (Canada)  
 College of Wooster  
 Conn. Agricultural College  
 Grove City (Pa.) College  
 Iowa State Teachers' College  
 Jamestown College  
 LaFayette College  
 Marietta College  
 Oberlin College  
 Ohio State College  
 Penn. State College  
 S. E. Mo. State Teachers' College  
 St. Olaf College  
 Western Union College  
 Denver School of Mines  
 Rice Institute of Texas  
 Wm. Hood Dunwoody Inst.  
 Commercial Radio Inst.  
 Federal Inst. of Radio Tely.  
 Western Radio Institute  
 Asbury Pk. Radio School  
 N. W. School of W. T.  
 Phila. School of W. T.  
 Continuation School of Waterbury  
 Riverside (Cal.) School Dist.  
 School Dist. of Reading  
 Oakmont Pub. Schools  
 Tilden Tech. High School  
 Dominion Observatory (Canada)  
 Can. Dept. of Marines  
 Can. Dept. of Fisheries.  
 Hydro Elec. Comm. of Canada  
 Colorado State Militia  
 Burnham Co. (London) Paul F. Godley  
 F. H. Schnell

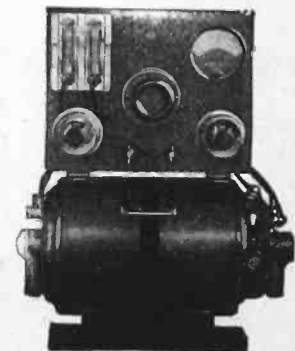
## Electric Specialty Co.

237 South St.

STAMFORD, CONN., U. S. A.

Pioneers in Developing High Voltage Apparatus for C. W.

"ESCO" Battery Chargers  
**RUGGED-RELIABLE**  
**NEVER FAILING**  
 For Charging Batteries  
 Used in Wireless Operation  
 Many Sizes—With or  
 Without Panel Boards



**MOTORS—DYNAMOTORS—GENERATORS—MOTOR-GENERATORS**

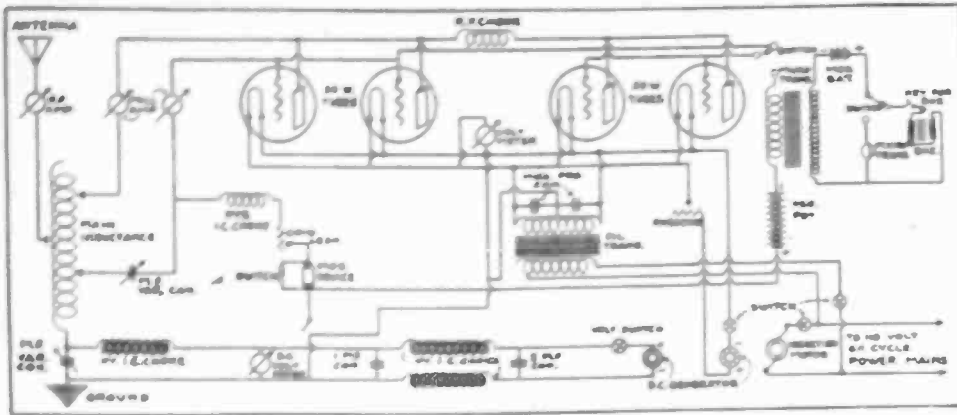
Write for Bulletins 237 and 242

Tell 'Em You Saw It in the Citizens Radio Call Book

Schematic Diagrams Cont'd

# TRANSMITTING CIRCUITS

## SCHEMATIC DIAGRAMS—Continued

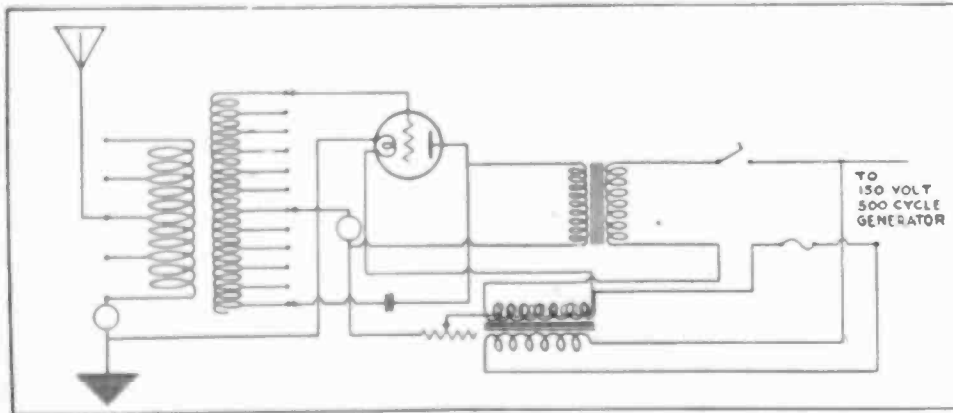
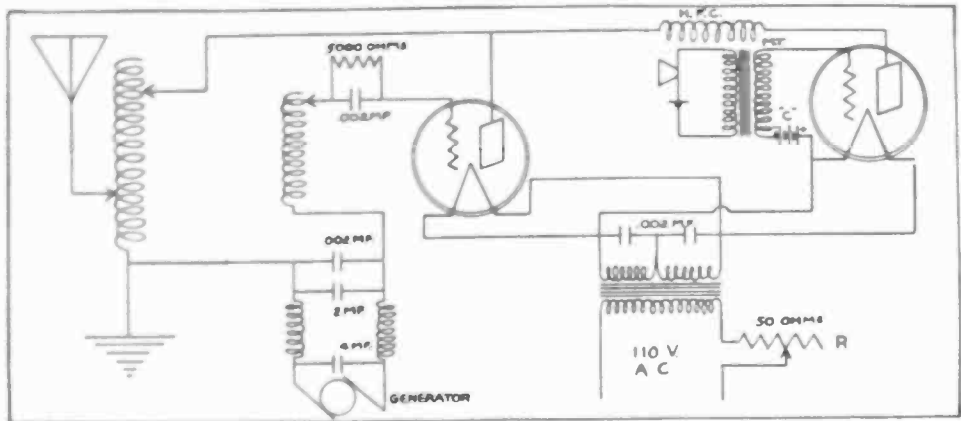


### Colpitts Circuit

- Parts consist of:  
 0015 M. F. and .003 M. F. Variable Condenser.  
 1 M. F. and 2 M. F. Fixed Condensers.  
 Main Inductance.  
 30 turns 1/4" Copper Tubing.  
 Radio frequency choke.  
 Ironcore chokes.  
 4-50 watt tubes.  
 2000 Ohm Rheostat.  
 1000 volt and 40 volt D. C. Generator, 200 watts.  
 Induction motor.  
 Microphone transformer.  
 "C" Battery.  
 High frequency buzzer.  
 Key.  
 Microphone Transmitter.  
 Filament transformer.  
 Protective condensers.  
 Double throw switches and meters.

### Reverse Feed Back Circuit

- Parts consist of:  
 D. C. Motor Generator.  
 Protective condensers.  
 Tuning inductance consisting of 20 turns No. 4 wire 8" in diameter.  
 Grid coil about 20 turns, tapped at 15-17-19 and 20th turns, wound with No. 18 D. C. wire in reverse direction to and placed inside of antenna inductance.  
 5 to 10,000 Ohm Grid Leak.  
 Filament lighting transformer.  
 Microphone transformer.  
 Microphone transmitter.  
 "C" Battery.  
 High frequency choke coil and 2 5-watt tubes.

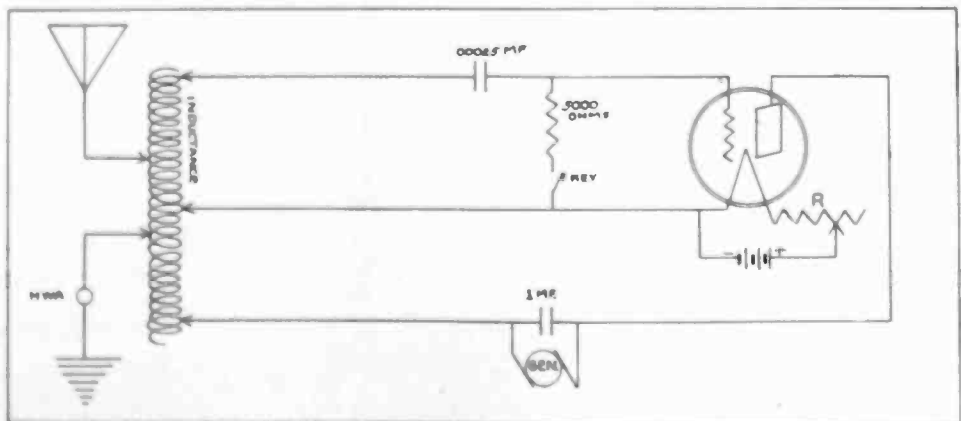


### Meissner Circuit

- Parts consist of:  
 Plate and Grid Coupling coils wound with No. 18 wire spaced 1/4" apart and tapped every 5 turns  
 500 cycle 150 volt motor generator  
 Antenna coil consisting of 30 turns Litzendraht tapped every 2 turns and mounted so as to slip over coupling coil.  
 .004 M. F. Grid Condenser.  
 Key.  
 Meters.  
 Power and Filament Transformers.

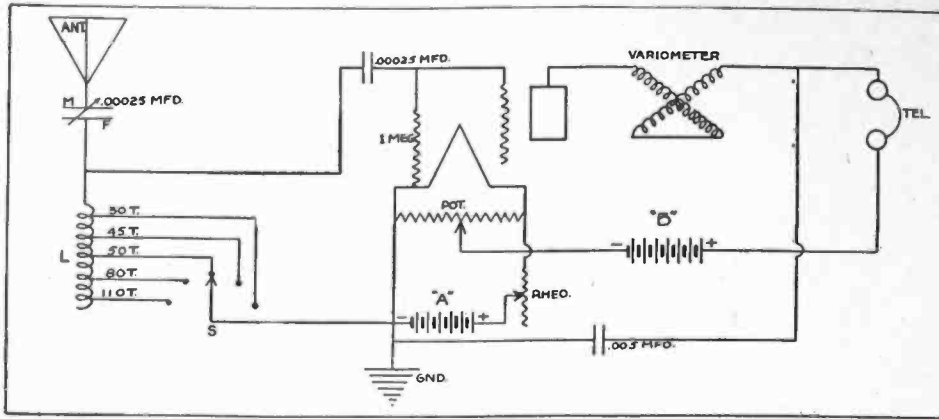
### The Hartley Circuit

- Parts consist of:  
 One CW Inductance.  
 Hot wire ammeter.  
 Two fixed condensers.  
 Telegraph key.  
 5000 ohm grid leak.  
 Filament battery and rheostat.  
 DC Generator.





Schematic Diagrams Cont'd

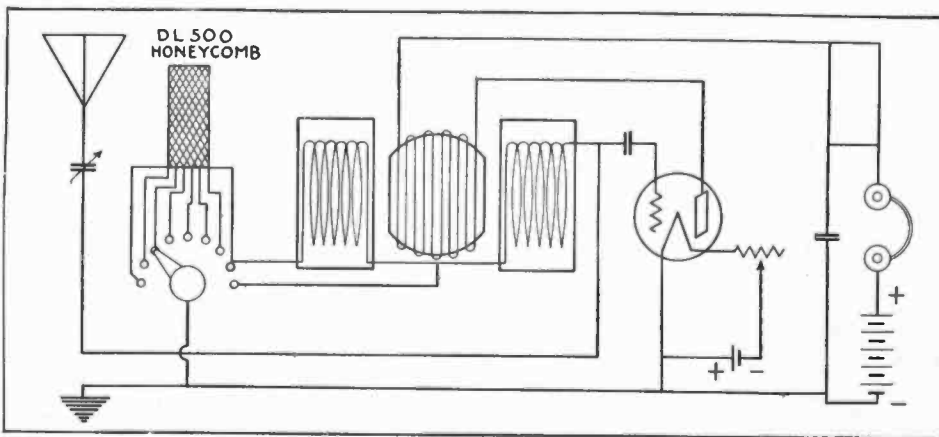
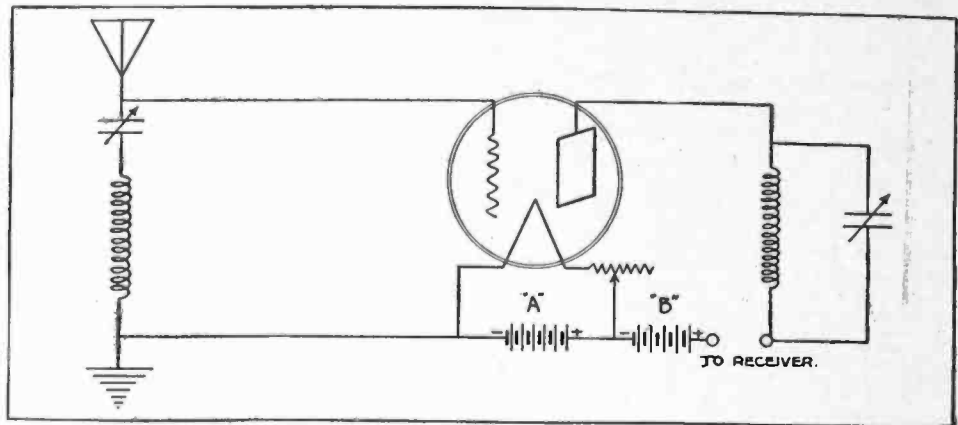


**Greene Concert Receiver**

- Parts consist of:
- 1 Variable Condenser,
  - 1 Tuning Inductance,
  - 2 Fixed Condensers,
  - 1 Potentiometer,
  - 1 Tube and Socket,
  - 1 Rheostat,
  - 1 Variometer,
  - Head Telephones,
  - "A" and "B" Batteries.

**Trap Circuit**

- Parts consist of:
- 2 Variable Condensers,
  - 2 Inductance Coils,
  - Tube and Socket,
  - 1 Filament Rheostat,
  - "A" and "B" Batteries.

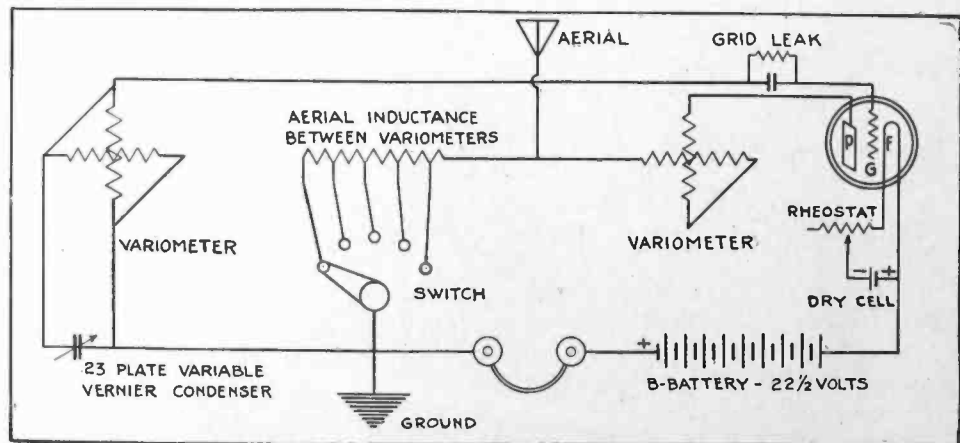


**Universal Receiver**

- Parts consist of:
- 1 Variable Condenser,
  - 1 Honeycomb Coil 500 turns,
  - 1 Variometer,
  - 2 Fixed Condensers,
  - Tube and Socket,
  - 1 Rheostat,
  - Head Telephones,
  - "A" and "B" Batteries.

**Kopprasch Circuit for WD 11 Tubes**

- Parts consist of:
- 2 Variometers,
  - 1 Inductance Coil,
  - 1 Variable Condenser,
  - Grid Condenser and Grid Leak,
  - Tube and Socket,
  - Rheostat,
  - Phones,
  - "A" and "B" Batteries.



Schematic Diagrams Cont'd

# Symbols Used in Radio Diagrams

CROSSED WIRES, NOT JOINED		VOLTMETER	
JOINED WIRES		GALVANOMETER	
RESISTOR		CRYSTAL DETECTOR	
RESISTOR, VARIABLE		ELECTRON TUBE (THREE-ELECTRODE)	
INDUCTOR		TELEPHONE RECEIVER	
INDUCTOR-VARIABLE		TELEPHONE TRANSMITTER (MICROPHONE)	
INDUCTOR ADJUSTABLE		BUZZER	
INDUCTOR, IRON CORE		SPARK GAP, PLAIN	
MUTUAL INDUCTANCE, OR INDUCTIVE COUPLER		ANTENNA, CONDENSER OR OPEN TYPE	
INDUCTIVE COUPLER, WITH VARIABLE COUPLING		COIL ANTENNA	
TRANSFORMER		KEY	
		SINGLE POLE, SINGLE THROW KNIFE SWITCH	
BATTERY		SINGLE POLE, DOUBLE THROW KNIFE SWITCH	
LONG LINE, POSITIVE ELECTRODE		DOUBLE POLE, SINGLE THROW KNIFE SWITCH	
SHORT LINE, NEGATIVE ELECTRODE		DOUBLE POLE, DOUBLE THROW KNIFE SWITCH	
VOLTAGE DIVIDER		TRIPLE POLE, SINGLE THROW KNIFE SWITCH	
GROUND		TRIPLE POLE, DOUBLE THROW KNIFE SWITCH	
CONDENSER AUDIO-FREQUENCY		REVERSING SWITCH	
CONDENSER RADIO-FREQUENCY			
CONDENSER, VARIABLE			
AMMETER			

# Glossary of Circuits

## GLOSSARY OF CIRCUITS.

### Plain Audion Circuit.

This circuit is used when a loose coupler and a vacuum tube detector is employed. The advantage of the vacuum tube over the crystal detector is that the output in the plate of the circuit is equal to the square of the voltage applied to the grid. The oscillations are not only rectified but are amplified at the same time and produce louder signals in the head telephones. The manipulation of the audion tube is more stable than the crystal detector.

### Loose Coupler with Feed Back.

This circuit is the same as the preceding circuit except that regeneration is made possible by using a variometer in series with the plate of the audion tube. By adjusting the lead of the variometer so that the vacuum tube produces oscillations it permits the reception of continuous wave signals.

### Single Circuit Regeneration.

The advantage of this circuit is the simplicity of the adjustment producing the maximum signals and also embraces the regenerative principle. The secondary of the variocoupler takes the place of a tickler coil, making possible the reception of spark signals on continuous wave.

### Standard Regenerative Receiver.

This circuit employs a variometer in series with both the grid and plate of the audion detector too. This allows fine adjustment in the secondary circuit and also a control of the oscillations in the plate of the circuit. The variocoupler aids in sharp tuning.

### Honeycomb Coil Receiver.

This circuit can be employed to receive all wave lengths by inserting coils of different value in the mounting. A series parallel switch provides an adjustment whereby the primary condenser can be connected in series, parallel, or shorted out entirely. The coils used in this circuit are called honeycomb coils on account of the shape of the lining which instead of being wound in layers is wound in a special shape with the turns crossing each other at an angle to cut down the distributing capacity of the coil.

### Regenerative Receiver with Two Step Amplifier

This circuit is the same as the standard regenerative receiver with the exception that two steps of amplification are used. Four point jacks provide connections whereby the signals do not pass through the primary of the amplifying transformer when the telephone plug is inserted.

### Radio Frequency Amplification.

The methods of reception in radio are too numerous to be explained in detail here. The simple crystal detector alone, for converting the high frequency radio waves to supply the audible frequency current to the telephone receiver, lacks sensitivity and selectivity. A single vacuum tube detector is more sensitive, and in addition amplifies the produced audible signal to some extent. When connected regeneratively to "feedback," the received radio wave, it becomes more selective and acts as a limited radio frequency amplifier. When further aided by two audio stages of amplification it constitutes the most familiar type of receiver employed with ground and outdoor antenna. Such a receiver may be made sensitive and selective when loosely coupled to a good aerial, but to obtain such results the adjustments render simple operation impossible. When deprived of the multiple adjustments, the interference received is a source of constant annoyance. The sensitiveness of such an arrangement is conceded to be too low for effective operation on an indoor loop aerial.

The progressive trend is then for a directly operating sensitive receiver; a receiver of high sensitivity to operate on an antenna if desired, but mostly to be effective on an indoor-loop receiver and to require only a single tuning adjustment.

Radio-frequency amplification offers unusual advantages in receiving radio signals of all types, especially radio phone or modulated waves, over all other known methods of receiving. The use of audio amplification is familiar to operators and is known to be limited. A signal which is too weak to operate the detector tube can never be amplified by audio amplification, regardless of the number of stages used. After the signal is strong enough to operate the detector, audio amplification is effective up to two stages. Audio amplification, beyond this, is limited by distortion and inherent audio tube noises.

By radio amplification the original weak incoming signal is raised to a value for effective operation of the detector tube. Regardless of how weak the signal is to start with, a proper radio amplification will bring it up to sufficient strength to make the detector function, after which audio amplification may be applied. Stations which are normally beyond range can, therefore, easily be brought in by using radio amplification.

Radio frequency amplification is readily accomplished by the use of additional vacuum tubes preceding the detector tube arranged in what is termed "cascade" connection. This means that the radio wave received by a loop receiver or ordinary tuner is applied to the grid or input of the following tube through a suitable coupling device. Each vacuum tube and coupling device used preceding the detector is termed a stage of Radio amplification, and the number of stages used is dependent upon the efficiency of the vacuum tube and coupling device, the wave length or frequency amplified and the methods of connection and control.

The coupling device used is the heart of the amplifier, and in the design of it the success of amplification is determined. Long wave lengths may be readily amplified by a resistance coupling device wherein the voltage developed across a resistance in the plate circuit of one tube is passed on through condensers to the input of the following tube. Resistance coupling is not critical in that it operates for all of the longer waves (waves over 3000 meters) fairly well, but it lacks the advantages which a step-up transformer will give on long waves and loses entirely the voltage increase which obtains through a proper use of resonance or tuning, and which alone is effective for short wave amplification. At the short wave lengths, such as amateur and public broadcasting stations are using, resistance coupling is futile. The elements of the vacuum tube itself act as small capacities or condensers and these small capacities offer so low an impedance to the short waves that they effectively short circuit the resistance coupler for the short wave lengths. Reactance coupling, or coupling which uses a choke coil substitute for the resistance coupler, can be made responsive to short wave lengths, but requires in itself an adjustment of each stage used for each wave length received. Condensers and grid leaks must accompany the reactance coupler and lack of damping or resistance in the device results in poor stability of such an amplifier.

### Radio-Frequency Transformers.

Radio-Frequency Transformers are direct coupling devices, requiring no additional condensers or grid leaks and with proper design can be made highly responsive on both short and long waves. Broad ranges of wave length and stable operation of several stages with large gains on each stage used are demonstrated facts using Radio-Frequency Transformers. Greater stability of operation is obtained when the transformers are limited by design to a narrow band of the short wave lengths and cascade operation is more simple. With proper design of the transformer a broader range of wave lengths is readily covered, but more care must be exercised by the

user in connecting his set. The ratio of primary to secondary turns is less of a determining factor in Radio-Frequency Transformers than in those for lower frequencies. For this reason transformers that have appealed to buyers by possessing a step-up ratio of windings will generally be found to operate as well reversed to give a step-down ratio. The voltage built up by a successful transformer is determined through what can be termed "automatic resonance" on all wave lengths of its operating range. The proper use of iron to give stability through its damping (introduced losses) and magnetic permeability to the circuits, as well as to confine the magnetic flux path solely within the transformer, together with windings arranged to reduce capacity coupling effects at the basis of design for efficient Radio-Frequency Transformers.

By using a correct radio transformer the incoming signal frequency is amplified without the accompanying tube noises and local sounds, since the transformer will not respond to low-frequency or audio sounds. Jarring the tubes, etc., will, therefore, not produce a ringing sound or disturb the receiver in any way, as with audio, nor limit the number of stages or radio amplification which the operator desires to use.

Perfect reproduction of tone and quality is an inherent property of radio-frequency amplification. The audible tones, such as speech and music, exist only as a "modulation" of the received radio wave, i. e., the audible signals appear in the form of variations in the strength of the received radio wave and only appear as the audible frequency currents after they have been developed by the detector. It is only by abuse of radio-frequency amplifying methods and parts that distortion of tones can occur. The use of highly tuned or resonant coupling devices such as air core transformers, or capacity tuned units, results generally in distortion through limiting the variations in the radio wave it seeks to amplify, i. e., through excessive resonance the radio wave with its modulation is not faithfully reproduced, resulting in distortion before the detector is reached. The lack of shielding or confining the magnetic flux to the transformer or coupling device where iron is not used as a core or flux path, results in undesirable feed-back action between the radio stages. This misapplied feed-back action may defeat amplification or raise it uncontrollably to a point within stages where further distortion or local oscillations renders reception impossible.

Radio-Frequency Transformers manufactured by the Radio Service Laboratories, Inc., are designed by engineers having a thorough knowledge of the subject, through years of experience in this country and abroad. The transformers, by actual tests, are superior to any domestic or foreign make which is known, and are probably as fine as can be designed. These statements can be made because of several unusual features incorporated in R. S. L. transformers, protected by this company and available only to it. All type numbers of R. S. L. transformers, regardless of their range, possess these advantages.

Some features of the Radio Service Laboratories, Inc., Radio-Frequency Transformers are:

**Iron Circuit**—The comminuted iron core construction (patent pending) accomplishes the threefold purpose of shielding, magnetic permeability and damping. The special form of divided magnetic material completely encloses the bobbin. This core limits eddy current losses, and in addition allows the transformer to be made of the same convenient size for all wave-length ranges. One important function of this core is that of broadening the wave-length range of the transformer without decreasing the efficiency. The iron having a greater permeability at the long waves than at the short, gives a high value of inductance when receiving a long wave, and a low value of inductance when receiving a short wave, thereby amplifying over a broad range. The proper resistance or damping is introduced in the windings through correct amount of losses in the iron to give stability of operation and render cascade operation of stages successful.

**Shielding**—The iron completely surrounds the transformer bobbin or windings on all sides and ends, preventing stray fields of flux, which in open-core or air-core forms of transformers, are present, and limit the number of stages which can be used by giving rise to undesirable feed-back action.

**Air-Gap**—In some types of R. S. L. Transformers a thin air-gap is utilized in the iron circuit to bring each transformer to the same operating wave-length range. This air-gap is placed inside the bobbin where the escape of any leakage flux to the external circuit is prevented by the comminuted iron core which completely surround all sides and ends of the windings.

**Capacity Effects Eliminated**—Capacity effects are of two varieties within the transformer: (a) Capacity effects between turns, which limit the number of turns or inductance a winding may have for a given wave-length, are reduced by using a small diameter winding. (b) Capacity coupling between the windings is made negative by reversal of the secondary leads so that the magnetic coupling nullifies it. The transformer therefore operates only by magnetic exposure or coupling.

**Mounting**—Two mounting tabs are a moulded part of the base enabling the transformer to be screwed in place for temporary or permanent use in an amplifier. The binding posts are of such strength and so securely fastened that the transformer may be hung by these posts from a transformer shelf located below the tube shelf in an amplifier. When this arrangement is used the four moulded knobs are sufficient to hold the transformer to the shelf and offer a rapid method for removing the transformers of one wave-length range and replacing transformers of another wave-length to suit the reception desired.

**Insulation and Engineering Construction**—R. S. L. transformers are designed with careful regard for the elimination of all leakage currents. The container is of the best grade of moulded condensite, completely protecting the delicate windings and lead wires from breakage, however roughly they are handled. The condensite insulation is a guarantee of maximum efficiency and a guarantee against a leaky, noisy transformer. The bobbin upon which the primary and secondary turns are wound is also of moulded condensite, preventing internal leakage. The four binding posts are made with square shanks which fit square holes in the transformer top. It is therefore impossible to turn these posts in any way to injure the lead wires within the transformer case.

**Testing**—It is important for the buyer to realize he is purchasing thoroughly tested apparatus. A triple test is made on all transformers in connection with their production, which is the best guarantee to the purchaser. The three tests which every transformer receives are:

**Test of Windings**—The bobbins when wound and sealed are tested for continuity of winding and for shorts and leaks. The resistance of each winding is exactly checked.

**Test of Inductance of Windings**—After assembly of the bobbin within the container a careful check is made of the inductance of the primary and secondary, and of their coupling, to insure the consumer against any wrong connections or hasty, careless construction.

**Test for Amplification**—After the iron core is assembled and the transformer sealed, each transformer is given an actual circuit test in a radio-amplifier, the gain in signal strength being noted over that of the detector tube alone and required to meet the gain of our standard laboratory models.

Such complete testing might be doubted by the reader unless explained. Test sets utilizing mercury cup connectors make rapid production tests possible and absolute contacts to the transformer post for each test a certainty. Thus quantity testing is simple and accurate for each of the three tests and facilitates rather than handicaps production.



## Glossary of Circuits Cont'd

## Radio-Frequency Amplifiers.

Radio-Frequency Amplifiers require careful and exact work in construction and the use of the best apparatus. When properly built the operation of the amplifier is more simple and direct than any other type of receiver.

In constructing a Radio-Frequency Amplifier care should be taken to make all wiring as short and neat as possible. This means physically placing the transformers as near as possible to the tubes which they couple. Switching arrangements for changing the number of stages used should be avoided since the wiring of such switches invariably leads to long connections.

Vacuum tubes for Radio-Frequency purposes should have as small capacity between elements as possible. Since a choice of tubes cannot be made the R. S. L. transformers are designed and tested on standard market tubes and claims are made from tests with these tubes. A critical selection of tubes is unnecessary with these transformers and interchanging will give no increased results unless the operator should be using a defective tube. The transformers are not critical to filament temperature excepting in that the temperature of filaments should not be allowed to fall too low. Tubes in the radio stages in general should burn more brightly than those in the detector and audio stages. The operator's first consideration in failing to get results should be to his filament battery.

The plate voltage used should be from 40 volts up to as high as 120 volts. The gain with the higher voltage is worth its use, but results are obtainable on 40 volts plate potential. The use of the standard soft detector tube is recommended, with a careful adjustment of its plate voltage, which is from 18 to 22 volts. Too high filament temperature of the detector tube will cause hissing noises, which means that a separate filament rheostat for the detector should be used.

The use of a tickler coil, or variometer, in the plate circuit of the detector tube to produce additional amplification through a feed-back is seldom satisfactory in Radio-Frequency Amplifiers.

The use of a filament potentiometer to bias the grids of the radio stages is shown in the various diagrams of this pamphlet. When proper use is made of this means of bias control, additional regenerative devices are of no value for improving the amplifier's sensitiveness since the selectivity in tuning is as sharp as can be had without self oscillations being generated.

By adjusting the potentiometer to bias the grids positive, grid current is drawn from the tubes which stabilizes the set, but reduces its sensitiveness. Adjusting the potentiometer to bias the grid more negatively increases the received signal strength until a point is reached on some wave lengths where oscillations are generated by the set. For broadcasting and modulated wave reception the bias should be set at a point just preceding oscillations. With transformers designed to cover a broad wave-length range the potentiometer is desirable. With transformers for the narrower bands, no such control is needed for one or two stages. Three stages are more effective with potentiometer control or some other means of introducing resistance into the receiver to stabilize it.

Stability of operation is a question generally evaded by manufacturers, and a little advice on this point is highly valuable. When receiving on a loop or a loosely coupled receiver with any amplifier of high sensitiveness, a loop or secondary of the tuner which is of high inductance, tuned by a small capacity (for example, a coil which tunes to the broadcasting wave, at about 15 to 20 divisions on the usual .0006 variable condenser), will tend to destabilize the amplifier and cause it to oscillate. Fewer turns on the loop or secondary, with more capacity to tune it (60 to 70 divisions on the .0006 variable condenser), will give stable operation of the amplifier and a greater signal strength in spite of the fewer turns of the loop, because the vacuum tubes are being operated more efficiently.

There are probably many enthusiasts already familiar with the operation of a detector, either regenerative or non-regenerative, and with audio amplification, who hesitate whether or not to improve their reception by the direct and logical methods of radio amplification, or by experimenting with indirect methods which are widely discussed, but as yet uncertain in operation. To these people we can with all faith advise the direct method as cheaper in cost, more certain in operation, and more simple in control than any other method. Our own comparative tests show greater signal strength and sensitivity, using direct Radio Frequency Amplification than any other method we have tried or seen demonstrated.

The use of an indoor loop aerial is particularly recommended for use with Radio-Frequency Amplifiers. This does not mean that an outdoor antenna is not to be used; in fact, the antenna will bring in more and louder signals than the loop. When the antenna is used, however, it is desirable to use a loose-coupled receiver for tuning, in order that the antenna resistance shall not be introduced into the amplifier to render it less selective and sensitive. Also since the antenna receives from all directions, the interfering stations it receives, requires it to be sharply tuned for their reduction and loosely coupled to the amplifier through a tuned secondary. The loop receiver is directional. A maximum signal is obtained when the plane of the loop is pointed toward the desired transmitting station, and a minimum signal from that station is heard when the plane of the loop is at right angles to it. With a sensitive amplifier the loop may also act as a small antenna. The lead wires from the loop to the set will pick up noticeable energy, and if the wires from the batteries are long, their action will be like that of a ground connection. For these reasons true-loop reception, which means reception where the loop shows marked maximums and minimums when rotated, requires that the mentioned leads be short. The advantage of good directional quality in a loop receiver is in the reduction of interference and static from all directions, save that in which direction the loop is pointed. Frequently the operator may desire to add the antenna or ground to his set to pick up a new station. This may be done by connecting the antenna and ground across the loop terminals. The directional quality of the loop is then lost, and interference brought in. Once the station is heard, it is more satisfactory to use the loop alone, and locate the station free from interference.

## Super-Heterodyne Using Radio Frequency Amplification.

This circuit employs a separate oscillating circuit to produce local oscillations, allowing the reception of continuous wave signals. This is a difficult circuit and requires a skilled operator.

## Radio Frequency Amplifier Using Alternating Current on Plate and Filament.

This circuit allows the elimination of the usual "A" and "B" batteries but requires careful adjustment to eliminate the sixty cycle hum.

## Receiver Using Automatic Filament Control Jacks.

This circuit allows the filaments to be turned on by inserting the telephone plug in the jack of each step of amplification and automatically turns the filament off when the jack is pulled out. Finer adjustment is obtained with the filament rheostat.

## Reflex Circuit.

This circuit permits two steps of amplification and a detector using only two tubes. The signals pass through the first tube at radio frequency, are detected and reduced to audio frequency by the usual method and are amplified at audio frequency, producing a corresponding signal in the head telephone.

## Flewelling Circuit.

In tuning this circuit, it will be found that the coupling between coils and the setting of the variable condenser is not as critical as the proper

adjustment of the high resistance grid leak. The coupling of the two honeycomb coils is set at about a 45 degree angle each. The variable condenser dial can then be rotated for reception which can be temporarily adjusted to about the phone wave lengths. The grid leak should then be adjusted for the elimination of nearly all whistle and noise, after which the coil coupling, the rheostat and condenser dial can be readjusted. Because of the requirement of a high resistance it's impractical to mount this circuit on a wooden panel, as the actual resistance through the wood is apt to be much too low for efficient operation. When the amplifier is used, the resistance between the two input terminals is first adjusted for best results after which the grid leak must be readjusted.

In working with this circuit the experimenter must realize that amplifying tubes are required as soft detector tubes have not been found to give as satisfactory reception. The three condensers should be fairly accurate in value in order to get a properly balanced circuit. In assembling the set it is essential to bear in mind that short leads will be of considerable assistance in eliminating unnecessary howling.

Before attempting to use the amplifying stages, the amateur should become thoroughly acquainted with the operation of tuning of the first unit, as the addition of amplifying stages increases the necessary critical adjustments. When the audio frequency unit is connected to the first unit and the phones connected to the binding post on the right side, it will be found that the set is especially noisy and has a decided whistling action.

This noisy tendency is first reduced by means of the variable leak across the primary of the transformer until the point of minimum noise is found. Note that the adjustment is merely to reduce the noise to a minimum, as further elimination of the whistling must be accomplished through the detector circuit readjustment. Even then, entire elimination of the whistling requires a filter.

The whistling is controlled by readjustment of the grid leak in the first panel. The resistance must be decreased slightly. If the pencil type of variable grid leak is used, additional pencil lines must be added to provide a larger path for leakage, thus decreasing the resistance. This must be continued until the whistle is reduced to a minimum. It will be found rather difficult to entirely eliminate it, but will not prove troublesome after the grid leak has been adjusted for best results. No change of adjustment is required on the bank of three condensers and the leak across them.

It is advisable to keep the headset with the receiver caps on the face beside the ears, as the howling noise, until properly readjusted, is so considerable as to become decidedly unpleasant. A sudden elimination of all tube noises in the receivers may indicate a burned out transformer or phone.

The tuning of the condensers and coil coupling is a simple matter after the grid leak adjustments have been made. The condenser should first be set for full capacity, and the coupling between honeycomb coils at an angle of about fifteen degrees. The detector rheostat can then be set for the best point of operation for that tube. The regeneration should then be readjusted by alteration of the honeycomb coil coupling, for maximum amplification. The rheostats of the amplifying tubes should then be reset for maximum results.

Two stages of audio frequency amplification should give at least twice the usual volume given by the average regenerative set. Although either an antenna or ground connection is made, both are by no means necessary.

## Loop Special.

This is a very simple circuit and the adjustments are confined to two variable condensers.

## Reinartz Tuner.

The Reinartz Receiver is undoubtedly one of the simplest receivers that has as yet been designed. It differs essentially from the Armstrong circuit in that instead of two variometers and a variocoupler, two condensers and a spider-web coil are used.

The unique simplicity of this receiver does not, however, in any way detract from its efficiency; in fact the rage of reception of this set, if properly constructed and hooked up, includes, under good weather conditions, practically every broadcasting station in the United States.

Being one of the simplest circuits yet designed, the cost of construction is naturally very low. The saving in cost, however, is not the only value gained in making the set. When you have completed the set, finished the wiring and all, you know what the parts mean, and how they function. You gain a real working knowledge into the mysteries of radio.

The hook-up as given, offers you the option of using the regulation vacuum tube with storage batteries, or the new W. D. 11 tube with dry cell batteries or 2-volt storage batteries.

## Greene Concert Receiver.

This is a very popular New England Circuit, and was devised by Lloyd C. Greene, Radio Editor of the Boston Globe, Boston, Mass. The inductance unit is wound on a Bakelite or Micarta tube, 6 inches long by 4 inches in diameter, and wound with 110 turns of No. 22 double cotton covered wire and tapped at turns indicated in diagram. Care should be taken to connect the movable plates of the variable condenser to the antenna and shield the panel of the receiver with copper foil, connecting the shield to the ground binding post. This eliminates "body capacity" effects, when tuning. The range of this receiver is from 175 to 750 meters.

## Universal Receiver.

This Receiver will receive wave length from 200 to 2800 meters. The advantage of this circuit is its simplicity and is easy to control. The variable condenser and tapped honey comb coil is the wave length control and oscillations are controlled by the variometer. This circuit will oscillate readily on all wave lengths.

## Trap Circuit

This Circuit was designed to eliminate local interference, and permits only the desired wave length to be received. The two fixed inductance units consist of 75 turns, No. 20 double cotton covered wire, wound on Bakelite tubes 4 inches in diameter. Eleven plate condensers give the most satisfactory results. The wave lengths received by the antenna are passed on to any type receiver at radio frequency. The tuned plate impedance permits extreme selectivity and prevents other wave lengths being received unless they are very strong and in the immediate vicinity of the receiving antenna. This circuit will also prevent the local oscillations generated by the receiving apparatus, interfering with nearby receivers.

## Kopprasch Circuit for W-D-11 Tubes.

The strength of signals received on this circuit is greater than that of any other W. D. 11 tube circuit ever devised. It is very unique, due to the fact that the two variometers are located at the ends of a paper tube 1½ inches long, and 4½ inches in diameter, upon which the antenna inductance is wound. This coil consists of 30 turns of No. 20 cotton covered wire, and more turns are necessary if an ordinary six volt tube is used. Taps should be taken off from about every tenth turn and connected to the switch contact. A 23 plate Vernier variable condenser is connected in parallel to one variometer; the other variometer being in series with the antenna and the plate.

Care should be taken to wind the antenna inductance in the opposite direction to the winding on the variometer, that is, if the antenna inductance is wound in a clock-wise direction, the variometers should be connected in the counter clock-wise connection. The rest of the circuit contains the usual apparatus.

# Formulae

For Capacity of Condensers in Parallel.

$$C = C_1 + C_2 + C_3 \text{ (etc.)}$$

Where C=resultant capacity.  
C<sub>1</sub>, C<sub>2</sub>, C<sub>3</sub>=capacity of individual condensers.

For Capacity of Condensers in Series.

$$C = \frac{1}{\frac{1}{C_1} + \frac{1}{C_2} + \frac{1}{C_3}}$$

Where C<sub>1</sub>, C<sub>2</sub>, C<sub>3</sub>=capacity of individual condenser units.

For Wave Length, When the Frequency of Oscillation Is Known.

$$W = \frac{V}{N}$$

Where W=wave length in meters.  
N=oscillation frequency expressed in cycles per second.  
V=velocity of propagation of electro-magnetic waves in ether (300,000,000 meters per second).

$$\text{Similarly } N = \frac{V}{W}$$

For Time Period of an Oscillation Circuit.

$$T = \frac{1}{N}$$

Where T=time in seconds or a fraction thereof.  
N=frequency of oscillation.

$$\text{Also } T = \frac{1}{\sqrt{L C}}$$

Where L=inductance in centimeters.  
C=capacity in micro-farads.

$$\text{Also } N = \frac{5,033,000}{\sqrt{L C}}$$

For Wave Length of an Oscillation Circuit.

$$W = 59.6 \sqrt{L C}$$

Where W=wave length in meters.  
L=inductance in centimeters.  
C=capacity in micro-farads.

For Oscillation Constant of a Radio Frequency Circuit.

$$O = \frac{5,033,000}{N}$$

Where O=oscillation constant.  
N=frequency.

For Damping of a Radio Frequency Circuit.

$$D = \frac{W}{2 R^1} \sqrt{\frac{C}{L}}$$

Where D=logarithmic decrement.  
R<sup>1</sup>=radio frequency resistance of the circuit.  
C=capacity, in farads.  
L=inductance, in henries.

For Capacitance of an Aerial.

$$C = \frac{W_1^2 - W_2^2}{W_2^2} \times C_1$$

Where C=capacity of the aerial in mfd.  
W<sub>1</sub><sup>2</sup>=square of the natural wave length of the aerial.  
W<sub>2</sub><sup>2</sup>=square of the wave length of aerial with C<sub>1</sub> in series.  
C<sub>1</sub>=condenser of known capacity connected in series with the aerial.

For the Inductance of an Aerial.

$$L = \frac{W_1^2}{W_2^2 - W_1^2} \times 1$$

Where L=inductance of the aerial system in cms.  
W<sub>1</sub><sup>2</sup>=natural wave length of the aerial squared.  
W<sub>2</sub><sup>2</sup>=wave length of the aerial with 1 in series (squared).  
1=inductance coil of known value.

Capacity Required to Reduce the Wave Length of a Given Aerial.

$$C_1 = \frac{3552 L C_2 - W_1^2}{W_1^2}$$

Where C<sub>1</sub>=capacity in microfarads of a series condenser.  
W<sub>1</sub><sup>2</sup>=square of the wave length desired.  
L=inductance in centimeters of the aerial.  
C<sub>2</sub>=capacity in mfd. of the aerial.

Capacity of a Flat Plate Condenser.

$$C = \frac{K A 2248}{T \times 10^{10}}$$

C=capacity in microfarads.  
T=thickness of dielectric in inches.  
A=area of dielectric in use in square inches.  
K=dielectric constant of the insulating medium (generally varies from 6 to 9).

Power in an Oscillation Circuit.

$$W = C V^2 N$$

Where W=watts.  
C=capacity in microfarads.  
V<sup>2</sup>=charging potential expressed in kilovolts (1000 volts).  
N=frequency of the charging currents.

Wave Length of an Aerial with Condenser of Known Capacity in Series.

$$W = 59.6 \sqrt{L \frac{C C_1}{C + C_1}}$$

W=wave length in meters.  
L=inductance in cms.  
C=capacity in mfd.  
C<sub>1</sub>=condenser of known capacity in series with antenna.

Inductance of an Oscillation Circuit of Known Wave Length.

$$L = \frac{W^2}{3552 C}$$

L=inductance, in cms.  
W=wavlength of the circuit, in meters.  
C=capacity, in microfarads.

Radiation Resistance of Flat Top Aerial.

$$R = K \frac{h^2}{W^2}$$

K=a constant—1600.  
W=wavlength of aerial in meters.  
h=effective height of aerial, in meters.

FOR ORDINARY POWER WORK  
Frequency of an Alternator.

$$N = \frac{P \times S}{2}$$

Where N=frequency expressed in cycles per second.  
P=number of field poles on the alternator.  
S=speed of the alternator, in revolutions per second.

Ohms Law for Direct Current.

$$I = \frac{E}{R}$$

Where I=current, in amperes.  
E=electromotive force, in volts.  
R=resistance, in ohms.

Similarly  $R = \frac{E}{I}$   
and  $E = I \times R$

Energy in D. C. Circuit.

$$W = I \times E$$

Where W=watts.  
I=current, in amperes.  
E=electromotive force, in volts.  
Also  $W = I^2 R$ .

Where R=resistance, in ohms.

$$\text{Again } I = \sqrt{\frac{W}{R}}$$

Ohms Law for Alternating Current.

$$I = \frac{E}{Z}$$

I=current, in amperes.  
E=electromotive force, in volts.  
Z=impedance, in ohms.

$$\text{Also, } Z = \frac{E}{I}$$

$$\text{And } E = I \times Z$$

Impedance of a Circuit or Coil.

$$Z = \sqrt{R^2 + (2\pi FL)^2}$$

Where Z=impedance, in ohms.  
R=resistance, in ohms.  
2 π F L=reactance of circuit, in ohms.

Reactance of a Circuit or Coil.

$$X = 2 \pi F L$$

Where X=reactance of circuit, in ohms.  
F=frequency, in cycles per second.  
L=inductance, in henries.  
or  $X = \sqrt{Z^2 - R^2}$

# RADIO MERCHANDISE

**F. D. PITTS COMPANY**

(Incorporated)

219 COLUMBUS AVE., BOSTON, MASS., U. S. A.

*Exclusively Wholesale*



**Distributors for**

- A. H. Grebe and Co.
- Acme Apparatus Co.
- Alden-Napier Co.
- American Eveready Works
- Atwater Kent Mfg. Co.
- Baldwin, Nathaniel Co.
- Burgess Battery Co.
- Chelsea Radio Co.
- Clapp-Eastham Co.
- Coto-Coil Co.
- Dubilier Condenser Co.
- Electrose Mfg. Co.
- Fada.
- Fahnestock Elec. Co.
- Federal Tel. and Tel. Co.
- Framingham Co., The
- France Mfg. Co.
- Frost, Herbert H. and Co.
- General Radio Co.
- Hartford Instrument Co.
- Jewell Elec. Inst. Co.
- Magnavox Co.
- Mitchell, R. and Co.
- Murad Laboratories
- Murdock, Wm. J. Co.
- Pacent Elec. Co.
- Radio Corp. of America
- Remler Radio Mfg. Co.
- Signal Elec. Mfg. Co.
- Western Elec. Co.
- Weston Elec. Inst. Co.
- Wireless Press
- and others.

**"GREBE RADIO"**

Grebe CR-3 Receiver, 150-1000 meters.....	\$65.00
Grebe CR-5 Receiver and Vacuum-tube Unit, 150-3000 meters....	\$80.00
Grebe CR-8 Receiver and Vacuum-tube Unit, 150-1000 meters....	\$80.00
Grebe CR-9 Receiver, Detector and Two-stage Amplifier, 150-3000 meters.....	\$130.00
Grebe CR-10 Radiotone Concert Receiver, Detector and Three-stage Amplifier, Victrola type.....	\$315.00
Grebe RORK Two-stage Amplifier.....	\$55.00
Grebe RORD Detector and Two-stage Amplifier.....	\$75.00
Grebe RORN Tuned Radio Frequency Amplifier.....	\$60.00

"Without going out of doors," said Lao-Tzu, "one may know the whole world." "Let a GREBE RECEIVER bring the whole world to your evening fireside."

**DEALERS**—Attractive discounts and immediate deliveries from stock! Send for Our Latest Price List, No. 4.



**EASTERN  
RADIO**

Telephone  
Backbay  
5964

**899 BOYLSTON ST.  
BOSTON, MASS.**

**INSTITUTE**



*RADIO today is commanding the interest of more people than any other industry! Splendid opportunities are NOW available for those who are alive enough to see the possibilities. My fifteen years experience in Radio tells you that FORTUNES will be made within the next five years for those who train themselves now and take advantage of the present opportunities.*

The EASTERN RADIO INSTITUTE is the OLDEST, LARGEST and BEST EQUIPPED Radio School in New England. THOUSANDS of satisfied graduates tell our story best!

Day and Evening classes. Start any Monday.

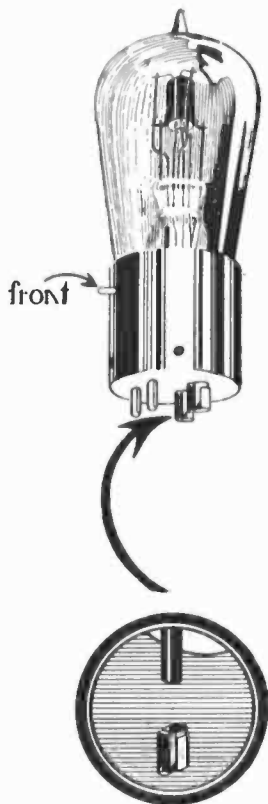
**REMEMBER:**—Our ORGANIZATION with YEARS OF PHENOMENAL EXPERIENCE and SUCCESS is behind EVERY man who enrolls!

"Ask any man in Radio—he will tell you!"

Our illustrated prospectus for the asking.

F. D. PITTS, Director.





*You Wouldn't Flirt, Of Course—*

but every second you operate your tube without the protection of the

# RADECO SAFETY FUSE

(Patent Pending)

**For Vacuum Tubes and Fine Electrical Instruments**

you are trifling with the complete loss of five "bucks" or more, and the disabling of your set until you can get a new tube—sometimes several days.

Designed especially for radio tubes, the RADECO Safety Fuse is the only device that gives absolute protection against "blowing out." Fitting directly on the filament terminals where no excess current whatever can get by it, this fuse makes accidental burning out of the filament impossible. Does not affect the efficiency of your set. Fits any standard tube used in any standard socket.

**For WD11 . . . . 50c each**  
**For 201A . . . . 50c each**

**For Other Tubes—Standard Packages of 4 for \$1**

**At Your Dealers or by Mail**

NOTE: Different tubes require different capacity fuses. When ordering therefore state what tube fuses are for.

**CAUTION**

*Do not force fuse on filament terminals. If contact solder is rough, file or sand-paper down so that fuse slips on easily. Filament terminals are the two farthest from the locking projection on base of tube.*

## LLOYD C. GREENE CONCERT RECEIVER

*Made Under Armstrong Regenerative Lic. No.1,113,149. The only licensed "Greene Set" on market*

For the Receiver **\$50**

This is the surprise set of the Radio World—the astonishingly simple set that has had New England talking for months—the home set that gets Havana, Montreal, Chicago and Pittsburgh with the mere turn of a knob. The greatest popular set of the day.

2-Step Amplifier to match **\$35**

# RADIO EQUIPMENT CO.

**630 Washington St.**

**Boston, Mass.**

***New England's Oldest Exclusive Radio House***



## Unusual Phone Quality and Moderate Prices

You can buy as good phones for more money. Others not so good for less money. And very few if any of equal quality at these same low prices. GLOBE PHONES are made by an organization long experienced in quantity production of delicate instruments for sound reception, notably the nationally famed VACTUPHONE, which uses a little peanut tube to enable the very deaf to hear.

### GLOBE STANDARDS

Exactly as illustrated. Full rich tone. Perfectly balanced by radio test. 2,200 ohms. Built to very exacting specifications and guaranteed satisfactory in every way. Moderately priced.

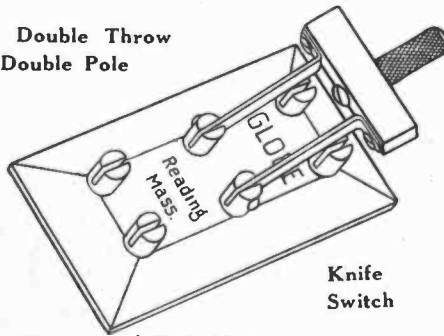
**\$8**

### GLOBE JUNIORS

An extremely light weight headset and preferred by many because of unusual comfort. 2,200 ohms. Perfectly balanced by radio test and guaranteed to every purchaser. Moderately priced.

**\$6.50**

Double Throw  
Double Pole



Knife  
Switch

A Radio Necessity with a dozen handy uses about the radio set, whether yours is assembled or bought complete. Metal parts nickleed, mounted on bakelite. Each

**\$1.00**

If your dealer fails you, write us direct

### GLOBE PHONE MFG. CO.

Specialists in Delicate Instruments for Sound Reception and Amplification.

VACTUPHONE, GEOPHONE,  
SECRETPHONE.  
Reading, Massachusetts



### Cabinet Loud Speaker



of laminated wood construction like a fine musical instrument. Cabinet of solid mahogany. No battery needed. Moderately priced. **\$37.50**

If your dealer fails you, write us direct.

### Built Like a Violin

Its full, rich, sweet tone offers a vivid contrast to the clank and rattle of tin horn loud speakers. Its two horns are

### Globe Antenna Plug Colorado to New Hampshire

from Denver to Whitefield is one user's record. Probably a "freak" but 300 to 1000 miles is ordinary range of perfect reception by the Globe 7 capacity Antenna Plug. Has safety fuse to protect your set. Each **\$2.50**



### DEALERS

Write today for our schedule of dealer discounts giving us the name of your preferred jobber.

Tell 'Em You Saw It in the Citizens Radio Call Book

## When the Dance Begins!

All you need do is "tune in" and the music of a popular dance orchestra in Newark, Denver, Atlanta, or Los Angeles, fills the room with pulsating rhythms.



The "Radio Dance" is the newest thing and nightly many dance to music states away.

a two-stage audio frequency amplifier, loud speaker, one head set, A and B batteries, antenna and instructions.

### Special Outfit, \$150

This radio outfit is characterized by extreme simplicity of operation. It is a complete radio outfit with loud speaker attachment, easily and quickly installed by amateurs. The results obtained will satisfy the most exacting. It is handsome in appearance, portable and its upkeep is very small. The outfit consists of

### Complete Radio

Our display of Radio outfits is probably the most complete in Chicago. In fact, Lyon & Healy's is Chicago's Complete Radio Store. Only the best and most reputable lines are sold. There is a wide range of prices from the small crystal set at \$25 to a Radiopera outfit at \$500.

**Terms Given**  
Radio outfits sold on terms of one-third down and the balance in convenient monthly payments.

### LISTEN IN!

Our Concert Hall Programs Broadcast Tuesday and Thursday Afternoons at 2:35 o'clock. Many charming musical selections.

We Handle the Products of  
Radio Corporation of America  
Western Electric Co.  
Radak  
Colin B. Kennedy  
De Forest & Co.  
General Electric Co.  
Westinghouse Co.

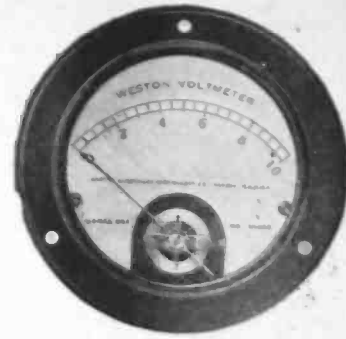
# LYON & HEALY



**SOUTH SIDE SHOP**  
1018 East 63rd Street  
Branch Shops Open Evenings

**NORTH SIDE SHOP**  
4646 Sheridan Road  
Branch Shops Open Evenings

Wabash Avenue at Jackson Boulevard  
Telephone Wabash 7900



# 5 Reasons

for using a

## Weston Filament Voltmeter

- 1 It indicates under-voltage which causes tungsten filaments to become brittle and break.
- 2 It indicates over-voltage which shortens tube life, often causing premature burnouts.
- 3 It permits rapid duplications of results.
- 4 It is the only source of information as to when a B Battery is so depleted it should be discarded.
- 5 The Weston is a "lifetime" Voltmeter with high resistance and absolute dependability.

Write for booklet J illustrating and describing this and other important instruments for Radio use.

**Weston Electrical Instrument Co.**

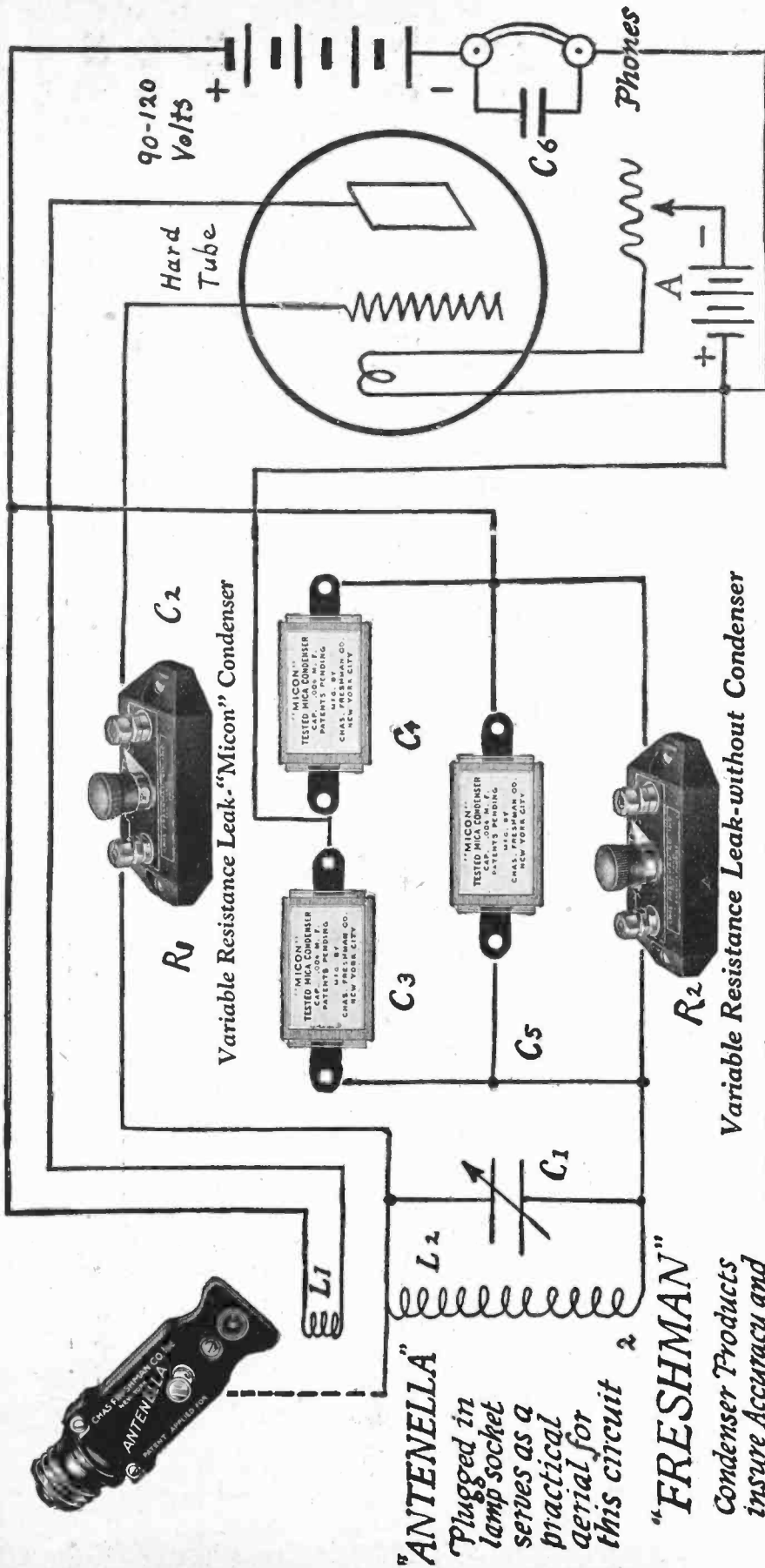
185 Weston Ave.

Newark, N. J.

*Electrical Indicating Instrument Authorities*  
Since 1888



# FLEWELLING "SUPER" CIRCUIT



Parts Pictured Here at Your Dealer. Otherwise Send Purchase Price and You Will Be Supplied Postpaid.

In the Flewelling modified super-regenerative circuit the following are the values of the constants: C<sub>2</sub>, C<sub>3</sub>, and C<sub>5</sub>, approximately .006 mfd. MICON, not critical; R<sub>1</sub> and C<sub>1</sub>—FRESHMAN COMBINATION VARIABLE RESISTANCE LEAK and MICON—.00025 mfd. Condenser, critical. R<sub>2</sub>, FRESHMAN VARIABLE RESISTANCE LEAK without condenser, very low. C<sub>4</sub>, phone condenser, Micon .001 mfd. "B"-battery, 18 to 250 volts using UV-201 tube (110 volts found very good); L<sub>1</sub> is 50-turn coil or equivalent; L<sub>2</sub> is 75-turn coil or equivalent; C<sub>1</sub> is .0005 mfd. The two dotted leads, 1 and 2, are used in various ways. Using both ground and aerial, connect these to 1 and 2. Using either aerial or ground alone, or one side of Antennella or loop, connect to 1, leaving 2 free. Using both sides of loop or Antennella, connect to 1 and 2.

Variable Res. Leak— With Micon Condenser	\$.1.00
Variable Res. Leak— Without Condenser	.75
Antennella	2.00
Micon .001	.40
Micon .006	1.00

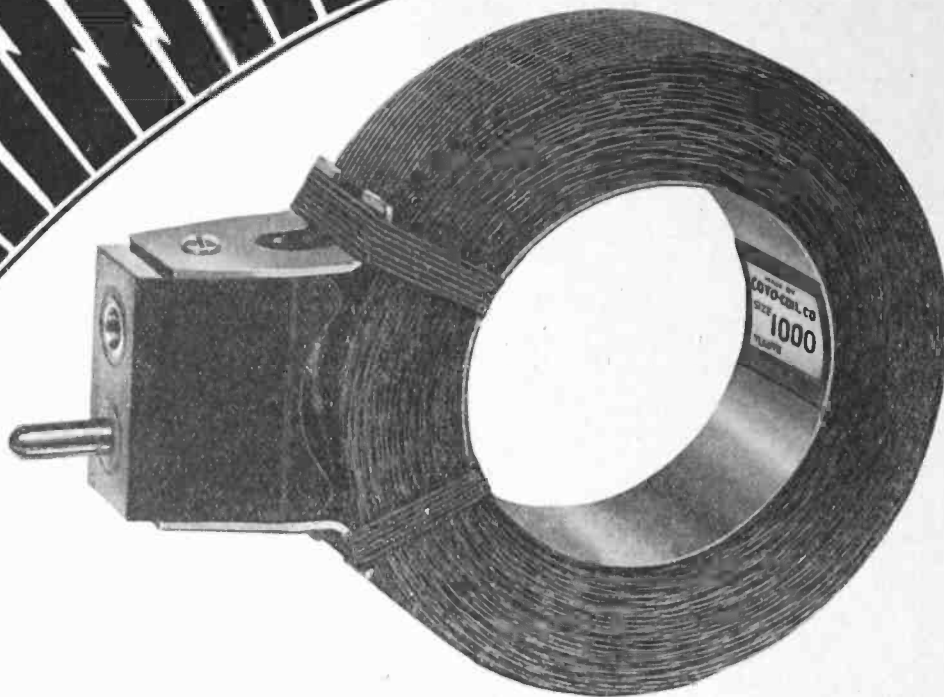
## CHAS. FRESHMAN CO., Inc.

106 Seventh Ave., New York

FRESHMAN Products  
equally adaptable for  
use with ANY circuit.

"ANTENELLA"  
Plugged in  
lamp socket  
serves as a  
practical  
aerial for  
this circuit

"FRESHMAN"  
Condenser Products  
insure Accuracy and  
Durability in any  
Circuit



## The Superlative Inductance— Results of Four Years of Studied Experimentation and Manufacture

A product of unquestioned superiority, proved by long use, evolved from four years of careful attention to the details and specialization in the manufacture of this type of inductance unit. A coil that has been widely imitated but never surpassed.

And with increased volume of selling and increased efficiency in manufacturing methods we are enabled to maintain

Moderate Prices for All Sizes

Ask Your Dealer or Write for Bulletin

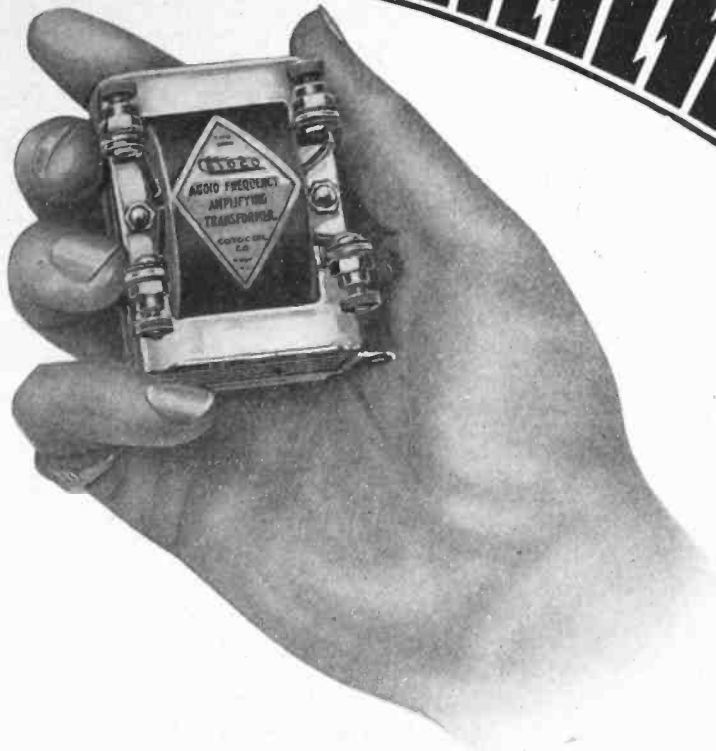
# Cotoco

TRADE MARK REG. U.S. PAT. OFF.

*"Built First to Last"*

COT O-COIL CO

*Tell 'Em You Saw It in the Citizens Radio Call Book*



## Get Your Hands on a Cotoco Audio Amplifier and You'll Never Consent to Give It Up. A Big Little Handful of Quality

As satisfactory in operation as it is handsome in appearance. As efficient in amplification as it is compact in design.

Here you have all the essential features of a good Audio Frequency Transformer,—

- |                            |                         |
|----------------------------|-------------------------|
| 1. High Amplification.     | 4. Convenient Mounting. |
| 2. Minimum Distortion.     | 5. Compactness.         |
| 3. Low Interstage Linkage. |                         |

Cotoco Transformers make these ideal features facts.

At the Better Radio Shops. Price \$5  
Dealers, there is demand now for quality.  
Stock Cotoco and Supply it.

# Cotoco

TRADE MARK REG. U. S. PAT. OFF.

*"Built First to Last"*

PROVIDENCE, R. I.

Tell 'Em You Saw It in the Citizens Radio Call Book





Radio Corporation  
 Remler  
 Cunningham  
 Baldwin  
 Burgess  
 Cutler Hammer  
 Dubilier  
 Federal  
 Frost  
 Jewell  
 Kennedy  
 Grebe

## distribution

Nationally advertised goods  
 at Guaranteed prices.

Send for price sheets and  
 schedules.

## WESTERN RADIO INC

637 So. Hope      of California      565 Howard  
 Los Angeles      San Francisco



## High Grade Radio Sets and Devices

Our Radio policy is the same one  
 we have used for seven years in the  
 Victrola business. Our motto is  
 "An Investment In Satisfaction."

**R. C. A. Westinghouse and Grebe  
 sets. Complete line of Atwater-  
 Kent and Kellogg Parts.**

Only merchandise of the highest  
 grade carried. Guaranteed to pro-  
 vide the best entertainment free  
 from any disappointment.

## MACAULEY & NEVERS

155 W. Madison Street

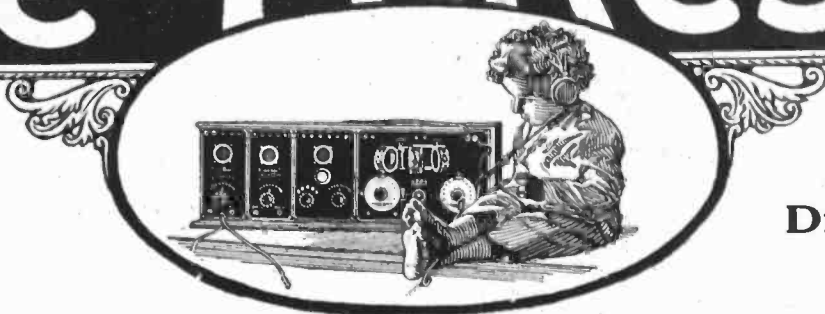
CHICAGO, ILL.

Opposite Hotel La Salle

HEADQUARTERS  
 for  
 RADIO  
 and  
 EQUIPMENT



# DeForest



**Factory**

**Distributors**

DeForest-Frost-Remler-Cunningham-Federal-Kellogg-Baldwin-Western Electric

**TAYLOR ELECTRIC CO.**  
MADISON, WISCONSIN

## The Eztoon Dial for Positive Tuning

Places a vernier adjustment on your condenser, variocoupler and variometer.

The center dial operates at a ratio of 40 to 1, giving the fine movement necessary for sharp tuning.

The Eztoon dial is self contained; molded of genuine Bakelite; easy to mount, no back lash.

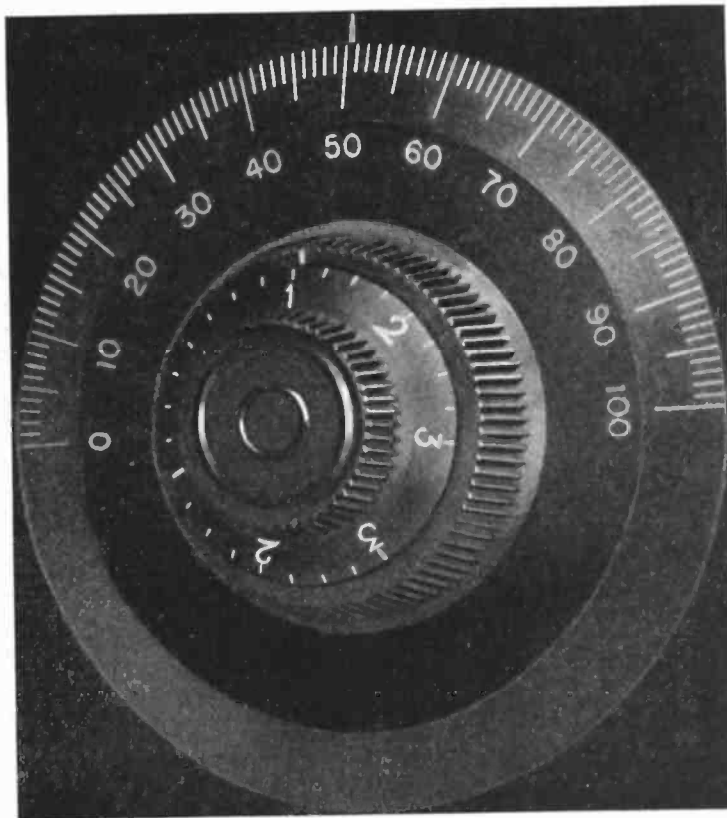
Mounts on either a 3/16" or 1/4" shaft. Can be furnished for special shafts.

If your dealer cannot supply you, mail your order and pay the postman. Sold on a positive guarantee. Money back if not satisfied.

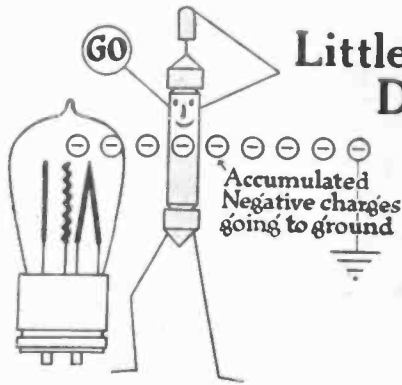
Manufacturers, Jobbers and Dealers.

Write for discounts on quantities.

**Butler Manufacturing Company**  
3234 W. Washington Street  
INDIANAPOLIS, INDIANA



*Tell 'Em You Saw It in the Citizens Radio Call Book*



**Little Omega Durham**  
will help to make your tubes behave

## DURHAM Variable High Resistance

If the negative charges march too slow or too fast from the grid, their "footsteps" cause "sizzling" in the phones. Control your tubes with the simple DURHAM plunger and get rid of this trouble. Fine, too, for resistance coupling between stages.

DURHAM High Resistances fit any standard base or molded grid condenser.

**Price 75c each**

Durham base 30c. extra.



Fit your set with either of two sizes

No. 100—variable to 100,000 ohms  
No. 101—variable to 5 megohms

**Buy from your dealer**

Station WCAU

**Durham & Co.**

Radio Engineers

1936 Market St., Philadelphia

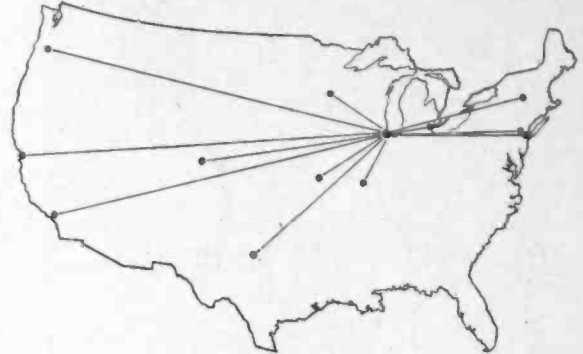
**Branch Offices**

Boston	94 Mass. Ave.	New York	1 East 42nd St.
Chicago	53 W. Jackson Blvd.	Philadelphia	221 N. 11th St.
Detroit	516 Moffat Bldg.	Seattle	1121 Pine St.
Los Angeles	Union League Bldg.	St. Louis	1110 Olive St.
Minneapolis	124 S. 9th St.	Washington	Munsey Bldg.

**Canada**

Scott Bros. Montreal	Consolidated Distributors Winnipeg	Toronto Radio Co. Toronto
----------------------	------------------------------------	---------------------------

## What One Tube Did In a Single Evening



Troy, N. Y.  
Stanford, Tex.  
New York City  
Newark, N. J.  
Detroit, Mich.  
Kansas City  
Minneapolis  
Denver  
St. Louis  
Los Angeles  
San Francisco  
Portland, Ore.

### Loud Speaker Was Used!

Typical of the amazing results that are being secured daily with the new Erla Duo-Reflex circuit, using but a single vacuum tube, is the experience of Dr. G. Edwin Farley, of Beverly Hills, Ill., who writes:—

"Between 9 p. m. and 2 a. m. Dr. Duff, a friend of mine, and I, listened to voice and music at New York City, Newark, Troy, Detroit, Stanford, Tex., Kansas City, Minneapolis, Denver, St. Louis, and last, but not least, Los Angeles, San Francisco, and Portland—all, with the exception of the last, very clear and loud. Most were heard on the loud speaker."

Never before has such range and power been obtained with a single tube. Tone quality, likewise, is delightfully pure, while tuning is so sharp as to require hardly a movement of the controls to cut out undesired stations.

The basis of this new circuit, and the mainspring of its efficiency, is the Erla radio frequency transformer. Overcoming the high capacitance effects of domestic vacuum tubes in unique degree, and with lowest inherent capacitance, it provides unequaled amplification without distortion.

Diagrams of the new Duo-Reflex circuit, with notes regarding its proper construction, are now available, gratis. Ask your dealer or write us.



Erla radio frequency transformers greatly improve the range and power of any receiving set, incorporating utmost efficiency and value. Results guaranteed. List, \$5



Erla bezels are now made in 1" as well as 1 1/2" diameter, finished in nickel or dull black enamel. Telescope to fit any 1/8" to 1/4" panel. Price, 20c.



Erla condensers are distinguished by superior accuracy and fine workmanship. 11 sizes. Price 30c to 75c each.

**Electrical Research Laboratories**  
Dept. L 2515 Michigan Ave., Chicago

# ERLA





It lists everything in good, dependable Radio sets and parts. New sheets issued monthly keeps it up-to-date. Price 10c. New monthly sheets supplied free of charge.

You can have your copy by calling at "Radio Center" or it will be mailed to any address upon receipt of 10c in stamps.

Complete lines such as Acme, Amrad, Fada, General Radio, Kellogg, Carter, All-American, Philadelphia, Burgess, etc. New items on display all the time—when you want some really fine Radio Equipment come to "Radio Center."

Formica panels and tubes cut to any size while you wait.

Dealers:—We sell for cash only, but have discounts which can't be beat. If you are a real Radio Dealer get our Discount Plan which is something new and which will prove profitable as well as interesting.

**LYNN RADIO CO., 220 S. State Street, Chicago, Illinois**

Phone: Harrison 7293

Sixth Floor Consumers Building

## LEARN THE CODE

### *Short Cut to International Continental Morse Code*

With this short cut designed by a Naval officer you can learn the wireless code in one evening.

Seventy-five per cent of Radio messages are sent in code and a wonderful field is opened to you if you learn it.

This short cut was designed for emergency purposes during the war to qualify operators in the minimum amount of time. Used by thousands of students in hundreds of schools all over the country.

No phonograph records or other mechanical devices required. Simply take the short cut we send and you will be able to master the code to receive messages in one evening.

Failure impossible.

Sent upon receipt of fifty cents in stamps or coin.

*The Best Fifty Cents You Will Ever Spend in Radio*

**Roberts Radio Service**

1235 Old Colony Building

CHICAGO, ILLINOIS

*Tell 'Em You Saw It in the Citizens Radio Call Book*

# CHELSEA RADIO PRODUCTS

## VERNIER ENCLOSED CONDENSERS.

No. 7. with vernier .0011.....\$6.75

No. 9. " " .00055.....\$6.25

No. 2. without vernier .00055..\$4.50

No. 1 " " .0011.....\$5.00

*Write For Our New No. 8 Bulletin.*

# CHELSEA RADIO COMPANY

178 Spruce St.

Chelsea, Mass.



*Buy the original*

## NATHANIEL BALDWIN RADIO HEAD-SETS and LOUD SPEAKERS

Type C & E	Type F
<b>\$ 12<sup>00</sup></b>	<b>\$ 13<sup>00</sup></b>

Baby Baldwin Loud Speaker **\$25<sup>00</sup>**

Junior Large Size Loud Speaker **\$50<sup>00</sup>**

*Manufactured by*

**NATHANIEL BALDWIN INC.**

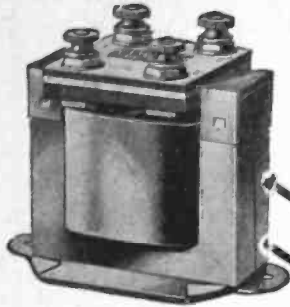
SALT LAKE CITY — UTAH

*Mail orders filled promptly—Direct  
from Radio Department*

**Schubach Optical Co.** 105 South Main St.  
Salt Lake City, Utah

# THORDARSON

## AMPLIFYING TRANSFORMERS FOR AUDIO FREQUENCIES



**Amplifying  
Transformer**

These transformers are the result of RECENT IMPROVEMENTS and represent the best in amplifying transformer design.

Perfect layer wound, square coils combined with a liberal and proportioned core design insure maximum amplification without distortion.

Made in two ratios. A 6 to 1 for use on the first stage and a 3½ to 1 for use on the second stage, distinguishable by their red and black labels.

Will function with all tubes.

## VARIABLE CONDENSERS

Have many distinctive features.

All plates are mechanically spaced and assembled by a method which allows absolutely no variation.

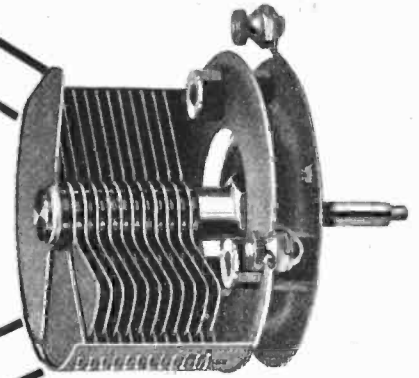
Has one bearing which is riveted directly to the mounting plate. All lateral pressure is, therefore, transferred directly to the mounting.

Hard rubber insulating dielectric placed outside of maximum field insuring lowest possible insulation losses and highest insulation resistance, even at maximum capacity.

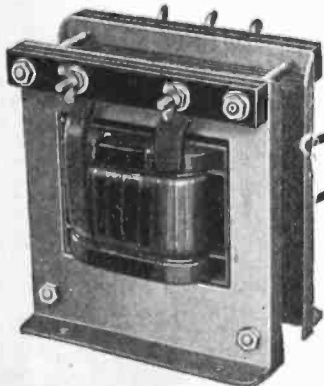
Minimum capacity of 43 plate condenser less than 18 micro-mics. Others lower.

Made in three sizes: 43 plate—.001 m. f., 23 plate—.0005 m. f., and 13 plate—.00025 m. f.

A vernier plate can be added for close adjustment.



**Condenser**



**Filament Supply**

## TRANSMITTING TRANSFORMERS FOR C. W. AND PHONE

Transformers of the shell type construction built for reliable service. Many satisfied users have established long distance records using the filament and plate transformers.

2 G K has been heard in England, France, Switzerland, Holland, Hawaii, Mexico, Porto Rico, Cuba, Panama, as well as every state and every Canadian district.

Transformers made in various sizes for the various combinations of tubes.

More completely described in our Radio bulletin.

**A Radio Folder Sent on Request  
WE SELL DIRECT**

**THORDARSON ELECTRIC MFG. CO.**  
Kingsbury and Huron Streets CHICAGO

*Tell 'Em You Saw It in the Citizens Radio Call Book*



# Radio Supplies

## We Sell Only the Reliable, Better Grade Equipment

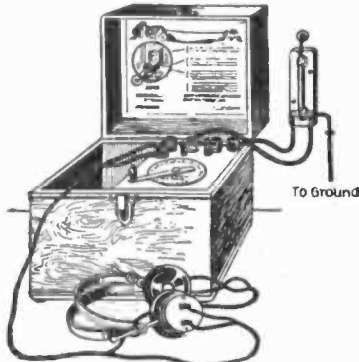
In the wake of the enormously increased demand, radio equipment "good, bad and indifferent" is flooding the market.

We carefully choose and offer to our customers only the goods of HIGH-GRADE, DEPENDABLE manufacturing companies. Note partial list below.

Hear the latest political and commercial news and enjoy musical concerts by the world's greatest artists right in your own home.



*It pays to buy the "best"*



Aeriola Junior

Acme  
H. H. Eby  
Amrad  
A. H. Grebe  
Westinghouse  
Bungess Batt

Clapp Eastham  
Western Electric  
Jewell Meters  
General Radio  
Brandes Phones  
Weston Meters

Radio Corp.  
General Electric  
Colin B. Kennedy  
Federal Tel. & Tel. Co.  
Kellogg Switchboard

### Radio Information Bureau

We answer all questions, suggest proper equipment, tell you how to make installation and give you estimate of cost FREE! This is Radio Headquarters. Free concert daily. Come in!

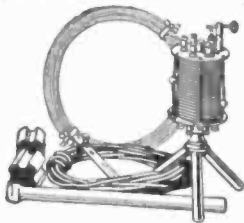
## COMMONWEALTH EDISON ELECTRIC SHOPS

72 West Adams Street  
CHICAGO

# Every Time You Look At This Advertisement



Buy Your Radio where they display this sign of Blairco proven products.



Blairco "4" Crystal Set

All nicked steel, 9 inches high. Takes four head phones. Price..... **\$7.50**  
Complete with copper clad aerial, waterproof ground wire, strain and wall tube insulators, lightning arrester, ground wire clamp and set of high grade Blairco head phones—only..... **\$17.50**

—you will be reminded of the superlatively better service being rendered—the clearer, more beautiful bell-like tones being given its great numbers of discriminating listeners, by the

## ATLAS Loud Speaker

The Atlas gives the true tone of the oral or musical production and that only. All tone distortions, mechanical noises, unpleasant echoes and blasts are noticeably absent—entirely eliminated by the Patented Double Composition Diaphragm—only one of many exclusive Atlas features.

Proved superiority, found in Atlas Loud Speakers and Atlas Head Phones as well, distinguishes all radio sold under the Blairco tradename. Each piece of Blairco Radio is the proven best of its kind on the market.

If buying Radio, buy where the Blairco triangular sign of proven products is displayed. If selling Radio, protect your customers by selling them Blairco.

## Mitchell Blair Co.

*"First With The Best"*



Atlas Loud Speaker

Height 21 inches. Horn 11-inch diameter, of seamless vegetable fibre, dense and non-vibrating. Sound reflecting base and unit casing of dark red polished Bakelite.

Price of Atlas Loud Speaker complete with horn attachment and cord **\$25**

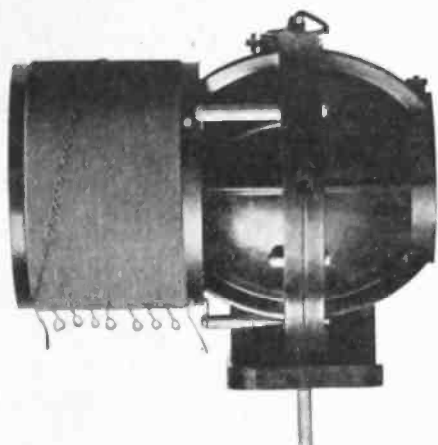
1429 South Michigan Avenue,

Chicago, Illinois

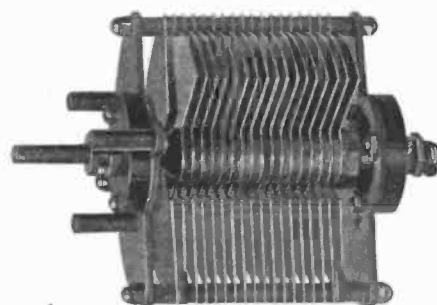
RADIO



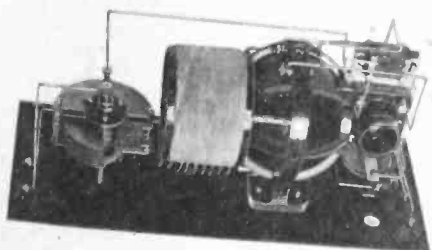
PRODUCTS



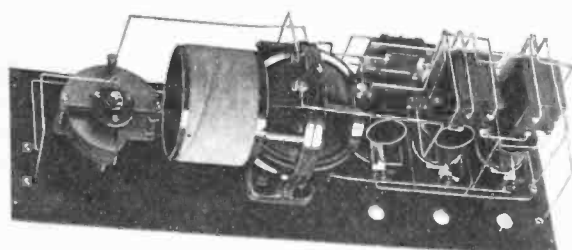
Cat. No. 165 radiometer and b. w. ind. ....\$13.00  
 Wave length range 180-3100 meters.  
 Wave length range 300-3250 meters.  
 Bank Wd. Ind. 3 layer bureau of standards type.



Variable Condensers. Made in the following capacities:  
 .000015, .000175, .00035, .001. Adj. cone bearings,  
 rotor pig tail. Lowest losses of any condenser on the  
 market.  
 Prices, \$3.25, \$3.75, \$4.25, \$5.00 respectively.



Type BD long wave receiving set. (Knock Down)  
 Price .....\$35.00  
 Wave length range 180-3100 meters.  
 All of the necessary parts together with a drilled and  
 engraved bakelite panel.  
 Size of bakelite panel 6 $\frac{5}{8}$ x15 $\frac{7}{8}$ .



Type BD2 long wave receiving set. (Knock Down).  
 Price .....\$57.00  
 Wave length range 180-3100 meters. Specifications  
 same as type BD except that set has 2 steps of audio  
 frequency amplification.  
 Sizes of bakelite panel 6 $\frac{5}{8}$ x21.

**R. MITCHELL & CO.**

255 Atlantic Ave.

Boston, Mass.

*For 47 years Manufacturers of Scientific and other equipment  
 Look for trade mark on every piece  
 Jobbers and Dealers write for discounts*

*Tell 'Em You Saw It in the Citizens Radio Call Book*



**LYNN RADIO COMPANY**  
 STANDARD NATIONALLY ADVERTISED  
 RADIO EQUIPMENT  
 224 South State St. — Chicago, Ill.  
 770 South State St. — Chicago, Ill.

Verob Ind. 1923.

Walbert Manufacturing Co.,  
 925-41 Wrightwood Ave.,  
 Chicago, Ill.

Gentlemen:

Our experience with your UNIVERNIER has been so surprising as it has been satisfactory.

All we have to do to call the UNIVERNIER is to let the customer try it and see how it works.

In our judgement, you have the most finished and scientific vernier device on the market today. And, if our sales are a fair indication of the public demand for this article, you will soon be swamped with orders.

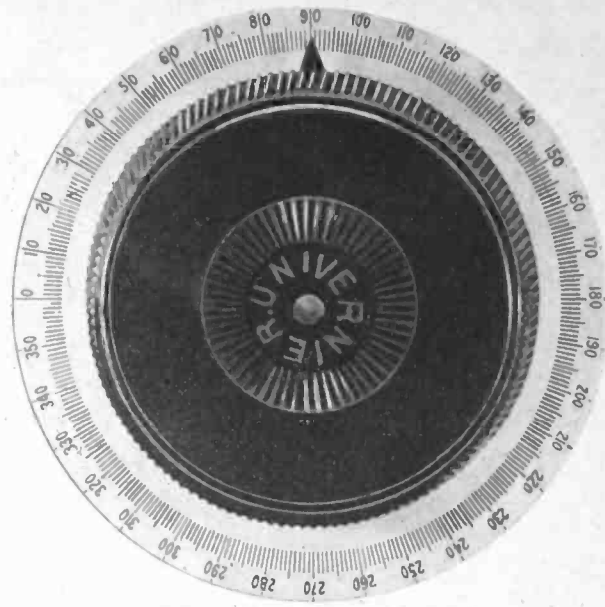
We congratulate you on having given the radio public the most practical and valuable device for obtaining selectivity.

Very truly yours,

LYNN RADIO COMPANY

By *L. Lynn*

BD/LLL



U. S. and Foreign Patents Pending.

DODGES TELEGRAPH, RAILWAY ACCOUNTING  
 and  
 RADIO (WIRELESS) INSTITUTE  
 Established 1917

W. DODGE, President  
 E. F. FARRER, Vice-President  
 J. B. KRAMER, Cash. Home (Dist. Dept.)  
 G. W. OWEN, Treasurer Home (Dist. Dept.)  
 W. B. CONSTANCE, LAMP WORK, Automobile Service (Wholesale Dept.)  
 J. W. BUCKLEY, Dist. Station, Birmingham Dept.  
 W. C. F. B. B. Dist. Station, Birmingham Dept.  
 H. B. CLEGG, Dist. Station, Atlanta Dept.  
 H. B. CLEGG, Dist. Station, Atlanta Dept.  
 H. B. CLEGG, Dist. Station, Atlanta Dept.

CHICAGO, ILLINOIS Feb. 19, 1923.

The Walbert Mfg. Co.  
 Chicago, Ill.

Gentlemen:

In reply to your recent letter, I am pleased to say that I think the principle involved in your Univernier is an excellent one. A much finer adjustment is obtainable with this vernier attachment than can be had with any other type with which I am familiar. Furthermore, it has the advantage that it can be quickly attached to any variometer, condenser or coupling handle, rendering it a universal vernier adjustment.

Yours very truly,

*M. J. ...*  
 Vice-President

# WHY NOT HEAR 'EM ALL

## Here is the Solution

Selectivity is the problem confronting every owner of a radio outfit. The average radio set is extremely sharp or critical in its tuning qualities and to obtain the best DX (long distance) results, fine adjustment is a necessity.

## The Univernier

The UNIVERNIER provides ultra fine vernier adjustment for ordinary variable condensers, variometers, tickler coils, variocouplers, potentiometers, and rheostats. It is substituted on the shafts of these instruments for the usual knob or dial and may be applied in a few minutes without altering the set.

The UNIVERNIER, as the name implies, is an instrument of precision and has that appearance. It is a tapered knob, well designed, and made of moulded composition of high dielectric strength. Inside this knob is a simple mechanism so arranged that rotation of the knob is nearly twelve times that of the instrument shaft. Light pressure towards the panel permits coarse adjustment and causes the UNIVERNIER to function as the ordinary knob, thus combining delicate and coarse adjustments in

a single unit. The pointer rotates with the shaft and indicates the TRUE position of the instrument.

The UNIVERNIER permits rotation of the shaft of any instrument through 320°. It also eliminates the necessity of procuring balanced instruments because its action is always positive and keeps all adjustments constant.

The UNIVERNIER is endorsed with enthusiasm by leading radio authorities, dealers, jobbers, amateurs, and fans, not only because of the ease with which it is installed and its adaptability to any radio device, but because it is a necessity on any radio set pulling for selective results.

\*Made in two sizes  
 No. 251 for 1/4 inch shafts.  
 No. 188 for 3/16 inch shafts.

The UNIVERNIER.....\$1.00  
 Special silver plated 360° dial for use with the  
 UNIVERNIER ..... .25

\$1.25

At your dealers or direct from us. When ordering direct add 10 cents postage.

# WALBERT MANUFACTURING COMPANY

939 Wrightwood Ave.

Chicago, Illinois

Satisfactory Discounts to Jobbers and Dealers

Tell 'Em You Saw It in the Citizens Radio Call Book



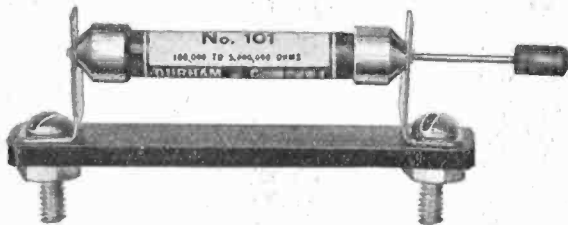
# PARAGON RADIO PRODUCTS

We Are the Only  
**NEW ENGLAND**  
DISTRIBUTORS  
For Paragon Products

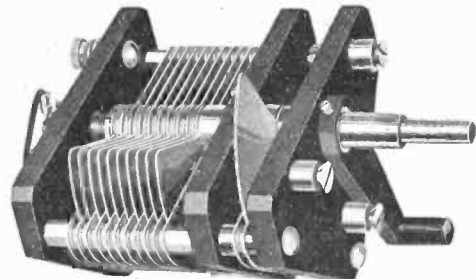


Type RA10—Regenerative Receiver. Type DA2—Detector Amplifier.

Durham Variable High Resistance  
Two Sizes



No. 100—1,000 to 100,000 Ohm Range.  
No. 101—100,000 to 5,000,000 Ohm Range.



Waltham Variable Condenser  
Plain or Vernier  
"Built Like a Watch"

## IMPROVED ANTI-CAPACITY RADIO JACKS AND SWITCHES



Single-Throw  
"A" Battery Switch.



Double Throw Single  
Pole Anti-Capacity  
Switch.



Open-Circuit.



Double Filament  
Control.



Single-Filament  
Control.

### DISTRIBUTORS FOR

- ACME
- BALDWIN
- FADA
- BURGESS
- GENERAL RADIO
- MURDOCK
- DICTOGRAPH
- MITCHELL
- FEDERAL
- ROME WIRE CO.
- WESTERN-ELECTRIC
- CLAPP-EASTHAM
- PACENT
- DURHAM
- CITIZENS RADIO CALL BOOKS

## JAMES H. JONES



94 MASSACHUSETTS AVENUE  
BOSTON 17 MASS.

Radio I AL O Phone B. B. 2670

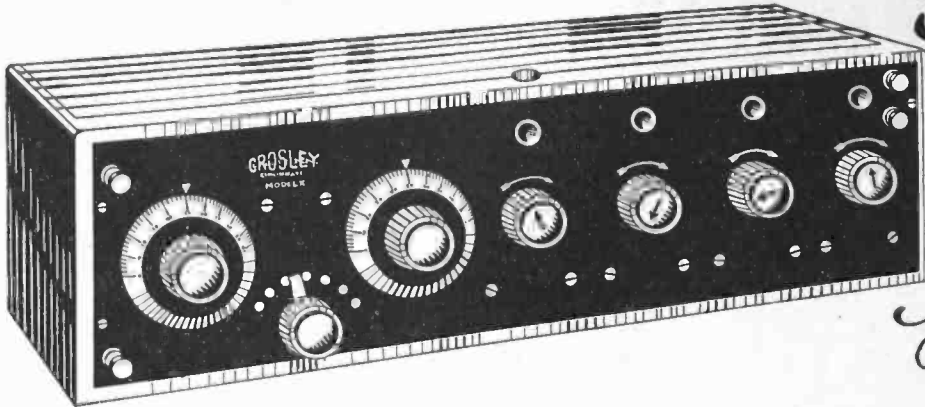
We Always  
Carry  
In Stock

Fresh  
Dependable  
Merchandise

Tell 'Em You Saw It in the Citizens Radio Call Book

# CROSLEY *Model* X

# \$55



*A 4 tube  
Radio*

*Frequency Set*

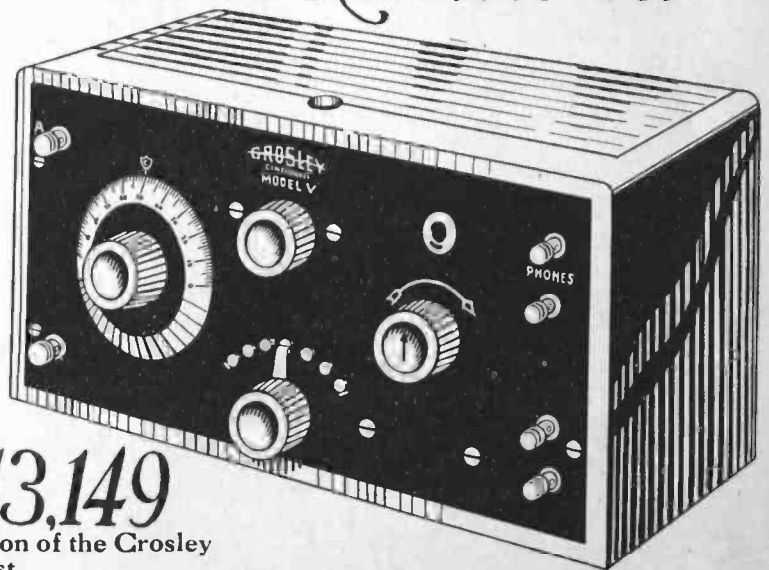
The Hit of the Radio World.  
For Sale by Good Dealers Everywhere.  
Write for free catalog to dealer or consumer.

**CROSLEY MANUFACTURING COMPANY**  
ALFRED ST. CINCINNATI, OHIO

# CROSLEY *Model* Vc

# \$20

*Regenerative Receiver Set*



*Licensed  
under Armstrong  
U.S. Patent No. 1,113,149*

The trade name "Crosley" is used by permission of the Crosley Manufacturing Co. Free catalog on request.

**THE PRECISION EQUIPMENT CO.**

GILBERT AVE.

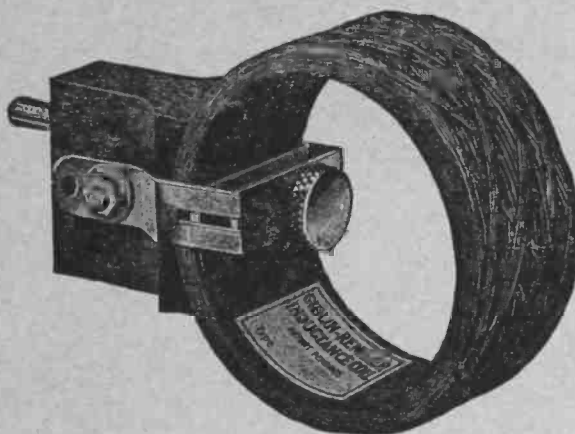
*Powel Crosley Jr. President*

CINCINNATI, O.

*Tell 'Em You Saw It in the Citizens Radio Call Book*

*The superior performance of*  
**Giblin-Remler Inductance Coils**  
*is responsible for their big demand*

*Interchangeable  
with all  
coil mountings*



*The Most Efficient  
Compact Inductance  
Ever Used in Radio*

## **An Engineering History of the Most Efficient Inductance Coil Ever Developed**

**T**HEORETICALLY, the ideal inductance coil should have all inductance—no capacity—no resistance—and no natural period. Such a coil would result in maximum signal strength with no interference from signals that were not on exactly the same wave length as the signals being received.

Thomas P. Giblin, the radio engineer who originated the compact inductance coil, has been working on coil design for many years with this knowledge of the theoretically "perfect inductance" constantly in mind. The first of his coils to appear on the market used the single lattice, or so called honey-comb winding. After a great deal of study and research, this winding was slightly improved by staggering the turns between layers resulting in a multi-lattice, or so called duo-lateral winding.

However, Mr. Giblin was not satisfied. He felt confident that he could produce a coil that would come much nearer to having the characteristics of a theoretically "perfect inductance." Complete success was at last

achieved when the present Giblin-Remler coil—**THE MOST EFFICIENT COMPACT INDUCTANCE EVER USED IN RADIO**—was developed.

In this coil the turns are wound close together, resulting in a greatly increased inductance for the same amount of wire. Hence the resistance is lower for a given inductance. The slight increase of capacity between turns has been many times compensated for by a greatly decreased capacity between layers resulting from spacing the layers with a cotton yarn of high dielectric strength. The result was a new coil having **MORE INDUCTANCE—LESS DISTRIBUTED CAPACITY—AND A LOWER NATURAL PERIOD THAN ANY PREVIOUS COIL**. Furthermore, the new coil has maximum insulation between layers at the point of greatest potential difference.

Under actual tests, this coil showed such wonderful improvement over his earlier forms of winding, that Mr. Giblin indorsed it with his name.

*Write direct for complete specifications and  
table of constants for this new inductance coil*

*The Remler Technical Bureau is at your service. Address your problems to Dept. R*

**REMLER RADIO MFG. COMPANY**  
FACTORY AND HOME OFFICE  
**248 FIRST STREET**  
SAN FRANCISCO, CALIF.

EASTERN SALES OFFICE  
**154 W. LAKE STREET**  
CHICAGO, ILLINOIS



# Burgess, the *Radio* Battery

*Specified by radio engineers— designed and built by wireless specialists — and recommended by the leading manufacturers of radio equipment.*

Burgess Radio Batteries, the result of years of careful experiments are built under exacting manufacturing standards which must meet the requirements of strict laboratory formulae and tests—a supervision that insures their perfect operation.

For professional or amateur radio use, where noiselessness, long life, high capacity and unin-

terrupted, dependable service are essential, Burgess has no superior.

Burgess Batteries are built for both "A" and "B" circuits. The Burgess No. 6 is used and found most satisfactory on the "A" or filament circuits equipped with the new type one and one-half volt vacuum tubes. The Burgess "B" Battery is everywhere recognized as the Standard of Quality in the wireless field.

## BURGESS BATTERY COMPANY

Engineers—Dry Batteries—Manufacturers

FLASHLIGHT—RADIO—IGNITION—TELEPHONE

General Sales Office: HARRIS TRUST BLDG., CHICAGO

LABORATORIES AND WORKS: MADISON, WISCONSIN

Branches: NEW YORK, BOSTON, WASHINGTON, ST. PAUL, KANSAS CITY, NEW ORLEANS

In Canada: General Offices and Works: Niagara Falls, Ont.

Branches: Toronto, Montreal, Winnipeg, St. John.

# BURGESS RADIO BATTERIES

"ASK ANY RADIO ENGINEER"

