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DEPARTMENT OF COMMERCE  
BUREAU OF NAVIGATION  
RADIO SERVICE

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RADIO STATIONS OF THE  
UNITED STATES

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EDITION JULY 1, 1916



WASHINGTON  
GOVERNMENT PRINTING OFFICE  
1916

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DEPARTMENT OF COMMERCE

U.S. BUREAU OF NAVIGATION (Dept. of commerce) ✓

RADIO SERVICE

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# RADIO STATIONS OF THE UNITED STATES

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Additional copies of this publication may be procured from the Superintendent of Documents, Government Printing Office, Washington, D. C., at 15 cents per copy.

Copies of other publications of the Radio Service, Department of Commerce, may also be procured from the Superintendent of Documents, as follows: Radio Communication Laws and Regulations, 15 cents each; Radio Service Bulletin (issued monthly), containing amendments to or changes in radio laws and regulations and items of general interest concerning their enforcement, with latest information concerning all radio stations, except amateur, 5 cents each or 25 cents per year; Important Events in Radiotelegraphy, February 1, 1916, 5 cents each.

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## NOTES.

Supplements, under the title "Radio Service Bulletin," are issued monthly and distributed to the United States officers engaged in or concerned with the enforcement of the radio laws for their guidance and instruction, and to those concerned with the operation of Government and commercial radio stations for their information.

The Radio Service Bulletin supersedes the quarterly supplements to the list of Radio Stations of the United States, and contains information concerning Government, commercial, and special stations only. Information regarding amateur stations appears only in the annual edition of the list of Radio Stations of the United States.

The bulletin contains tables of new stations, alterations, and corrections under headings, so that the list of Radio Stations of the United States and the list of Radiotelegraph Stations, published by the International Bureau at Berne, may be brought up to date. Additions, alterations, and corrections should be entered in these two publications promptly on receipt of the bulletin.

Amendments to or changes in the Radio Laws and Regulations of the United States are printed in this bulletin in such a manner that they may be clipped and pasted in their proper places in that publication.

Items of general interest concerning the enforcement of the radio laws are printed in the bulletin from time to time, as occasion warrants.

Copies of this bulletin may be obtained from the Superintendent of Documents; Government Printing Office, Washington, D. C., at 5 cents per copy or 25 cents per year.

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Underscoring of normal wave lengths is indicated by the use of italics.

Government vessels showing "nature of service" to be PG will accept or transmit paid messages for officers or members of crews.

Government vessels proceeding singly may relay messages to the coast upon request. The regular ship rate will apply.

### INTERNATIONAL ABBREVIATIONS USED IN THIS LIST.

#### Nature of service:

PG=General public.

PR=Limited public.

P=Private (limited commercial and special).

O=Government business exclusively.

#### Hours of operation:

N=Continuous service.

X=No regular hours.

#### Classification:

b=Ship station.

c=Land station.

### OTHER ABBREVIATIONS.

Corp.=Corporation.

Nav.=Navigation.

Transp.=Transportation.

Marconi Co.=Marconi Wireless Telegraph Co. of America.

U. S. C. G.=United States Coast Guard.

D., L. & W. R. R. Co.=Delaware, Lackawanna & Western Railroad Co.

# RADIO STATIONS OF THE UNITED STATES.

## INTRODUCTION.

This list, including land and ship stations, is published in accordance with Section I of an act of Congress entitled "An act to regulate radio communication," approved August 13, 1912.

The following instructions concerning radio call letters are issued for the information of those concerned:

1. Section 7 of the act of August 13, 1912, to regulate radio communication provides:

Sec. 7. That a person, company, or corporation within the jurisdiction of the United States shall not knowingly utter or transmit, or cause to be uttered or transmitted, any false or fraudulent distress signal or call or false or fraudulent signal, call, or other radiogram of any kind. The penalty for so uttering or transmitting a false or fraudulent distress signal or call shall be a fine of not more than two thousand five hundred dollars or imprisonment for not more than five years, or both, in the discretion of the court, for each and every such offense, and the penalty for so uttering or transmitting, or causing to be uttered or transmitted, any other false or fraudulent signal, call, or other radiogram shall be a fine of not more than one thousand dollars or imprisonment for not more than two years, or both, in the discretion of the court, for each and every such offense.

2. The Service Regulations of the International Radiotelegraphic Conventions provide that the call letters of stations in the international system must each be formed of a group of three letters which shall be distinguishable from one another. The London International Radiotelegraphic Conference made a partial allotment of call letters among nations which signed the convention and the International Bureau at Berne, with the consent of such nations, has modified and added to this assignment of call letters by circulars of April 1, 1914, and August 1, 1915. The distribution of call letters among nations thus authorized is printed below for the guidance of operators of all stations (ship and shore) of the United States.

A. . . . . All to Germany and protectorates.	CQA to CQZ... Monaco.
B. . . . . All to Great Britain.	CRA to CTZ... Portugal and colonies.
CAA to CEZ... Chile.	CUA to CUZ... Not yet assigned.
CFA to CMZ... Not yet assigned.	CVA to CVZ... Roumania.
CNA to CNZ... Morocco.	CWA to CWZ... Uruguay.
COA to COZ... Not yet assigned.	CXA to CZZ... Not yet assigned.
CPA to CPZ... Bolivia.	D. . . . . All to Germany and protectorates.



EAA to EGZ...Spain and colonies.	Q.....Reserved for code abbreviations.
EHA to EZZ...Not yet assigned.	R.....All to Russia.
F.....All to France and colonies.	SAA to SMZ...Sweden.
G.....All to Great Britain.	SNA to STZ...Brazil.
HAA to HFZ...Austria-Hungary and Bosnia-Herzegovina.	SUA to SUZ...Egypt.
HGA to HHZ...Siam.	SVA to SZZ...Greece.
HIA to HIZ...Dominican Republic.	TAA to TMZ...Turkey.
HJA to HKZ...Colombia (Republic).	TNA to TZZ...Germany and protectorates.
HLA to HZZ...Not yet assigned.	UAA to UMZ...France and colonies.
I.....All to Italy and colonies.	UNA to UZZ...Austria-Hungary and Bosnia-Herzegovina.
J.....All to Japan and possessions.	VAA to VGZ...Canada (British).
KAA to KCZ...Germany and protectorates.	VHA to VKZ...Australian Federation (British).
KDA to KZZ...United States.	VLA to VMZ...New Zealand (British).
LAA to LHZ...Norway.	VNA to VNZ...South African Union (British).
LIA to LRZ...Argentine Republic.	VOA to VOZ...Newfoundland (British).
LSA to LWZ...Not yet assigned.	VPA to VSZ...British colonies not autonomous.
LXA to LZZ...Bulgaria.	VTa to VWZ...British India.
M.....All to Great Britain.	VXA to VXZ...Newfoundland (British).
N.....All to the United States.	VYA to VZZ...Great Britain.
OAA to OFZ...Not yet assigned.	W.....All to the United States.
OGA to OMZ...Austria-Hungary and Bosnia-Herzegovina.	XAA to XDZ...Mexico.
ONA to OTZ...Belgium and colonies.	XEA to XMZ...Not yet assigned.
OUA to OZZ...Denmark.	XNA to XSZ...China.
PAA to PIZ...Netherlands.	XTA to XZZ...Not yet assigned.
PJA to PJM...Curaçao (Dutch).	Y.....All to Great Britain.
PJN to PJZ...Surinam (Dutch).	Z.....All to Great Britain.
PKA to PMZ...Dutch East Indies.	
PNA to PZZ...Brazil.	

## PUBLIC-SERVICE STATIONS.

3. The call letters assigned to the United States are all combinations (676) beginning with the letter N and all (676) beginning with the letter W, and all combinations (598) from KDA to KZZ, inclusive. The total number of international call letters assigned to the United States is thus 1,950, and these are reserved for Government stations and stations open to public and limited commercial service.

(a) All combinations beginning with the letter N are reserved for Government stations and in addition the combinations from WUA to WVZ and WXA to WZZ are reserved for stations of the Army of the United States.

(b) The combinations KDA to KZZ, with a few exceptions, are reserved for ship stations on the Atlantic and Gulf of Mexico and for land stations on the Pacific coast.

(c) The combinations beginning with W (except WUA to WVZ and WXA to WZZ as already indicated) are reserved, with a few

exceptions, for ship stations on the Pacific and the Great Lakes and for land stations on the Atlantic and Gulf coasts and in the Great Lakes region.

AMATEUR STATIONS.

4. The call letters for amateur stations in the United States are awarded by radio inspectors, each for his own district, according to the following system:

(a) The call will consist of three items—the number of the radio district, followed by two letters of the alphabet. Thus, the call of all amateur stations in New England (which comprises the first district) is the figure “one” in Continental Morse, followed by two letters; in California (in the sixth district) the figure “six” followed by two letters; in South Carolina the figure “four” followed by two letters; in Missouri the figure “nine” followed by two letters, etc. The letters X, Y, Z, are not used as the first of the two letters.

The territory of each district is as follows:

1. BOSTON, MASS.....Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut.
2. NEW YORK, N. Y.....New York (county of New York, Staten Island, Long Island, and counties on the Hudson River to and including Albany, Rensselaer, and Schenectady), and New Jersey (counties of Bergen, Passaic, Essex, Union, Middlesex, Monmouth, Hudson, and Ocean).
3. BALTIMORE, MD.....New Jersey (all counties not included in second district), Pennsylvania (counties of Philadelphia, Delaware, all counties south of the Blue Mountains, and Franklin County), Delaware, Maryland, Virginia, District of Columbia.
4. SAVANNAH, GA.....North Carolina, South Carolina, Georgia, Florida, Porto Rico.
5. NEW ORLEANS, LA.....Alabama, Mississippi, Louisiana, Texas, Tennessee, Arkansas, Oklahoma, New Mexico.
6. SAN FRANCISCO, CAL...California, Hawaii, Nevada, Utah, Arizona.
7. SEATTLE, WASH.....Oregon, Washington, Alaska, Idaho, Montana, Wyoming.
8. DETROIT, MICH.....New York (all counties not included in second district), Pennsylvania (all counties not included in third district), West Virginia, Ohio, Michigan (Lower Peninsula).
9. CHICAGO, ILL.....Indiana, Illinois, Wisconsin, Michigan (Upper Peninsula), Minnesota, Kentucky, Missouri, Kansas, Colorado, Iowa, Nebraska, South Dakota, North Dakota.

(b) The three items—a given figure first, followed by two letters of the alphabet—thus may be combined in 598 different calls.

(c) Radio inspectors insert amateur station calls in station licenses according to this system, and keep a permanent chart of 598 squares, lettered with the alphabet from left to right and from top to bottom (A to W), inserting in the appropriate square the serial license number and name of owner of the station to which the

call letters are awarded. Within these limitations radio inspectors will use their discretion in the award of calls, avoiding, of course, duplications.

(d) When a station is abandoned and the license canceled, or if a license shall be forfeited for violation of law, the call assigned to it may be allotted to another station.

(e) When the entire 598 calls have been exhausted, radio inspectors will issue additional calls, consisting of the figure of the district followed by three letters. From such combinations will be excluded the combinations SOS and PRB, all three-letter combinations beginning with QR or QS, all combinations involving the repetition of the same letter three times, three-letter combinations beginning with K, N, W, X, Y, Z, and other combinations, which, for various reasons, international, national, local, or individual, may be objectionable. With such exclusions, over 10,000 calls will remain for each district.

#### LIMITED COMMERCIAL STATIONS.

5. Calls for limited commercial land stations are allotted by the Bureau of Navigation.

#### SPECIAL CLASSES OF STATIONS.

6. Calls for special classes of stations, such as experiment stations for the development of radio communication, technical and training school stations, and special amateur stations are allotted by the Bureau of Navigation.

The call will consist of three items—the number of the radio district, followed by two letters of the alphabet. The first letter will be: X, for experiment stations; Y, technical and training schools; Z, special amateur stations.

Twenty-six different combinations for each class in each district are possible. If more should prove necessary for any class in any district, a third letter will be added to the call.

#### RADIO STATIONS OF THE WORLD.

The International List of Radio Stations of the World (edition in English) can be procured from the International Bureau of the Telegraphic Union (Radiotelegraphic Service), Berne, Switzerland.

In addition to the information contained in the list of the United States stations, published by the Bureau of Navigation, the international list shows geographical locations, normal ranges in nautical miles, radio systems, and rates.

The international list includes the Government and commercial land and ship stations of the United States. The list is divided into

three parts. The first part contains a list of ship stations, grouped by countries and arranged alphabetically; the second part contains a list of land stations arranged in the same manner; and the third part contains tables of land line and cable charges from coast radio stations to inland and various other points. In computing the total word rate applicable to a radiogram from a ship station to an inland point, or vice versa, the three rates must be added. The rates in the international list are stated in francs and centimes. For approximate purposes, 1 franc equals 20 cents and 5 centimes equal 1 cent. Supplements to the international list will be issued monthly, and will contain new stations and tables of alterations. A copy of the international list should be in every land and ship station open to commercial business as the official tariff book, and a copy of this list is *required* as a part of the equipment of every land station open to general public service and every ship station of the first or second class on American vessels engaged in foreign trade or the trans-oceanic service.

The International Alphabetical List of Call Letters (stations of the world) is also issued by the International Bureau at Berne, and supplements are issued monthly.

Neither the international list nor the supplements contain a list of amateur stations.

Inquiries as to the subscription prices of these lists should be made direct to the Berne bureau at the address given above. Remittances to Berne should be made by international postal money orders.

E. T. CHAMBERLAIN,  
*Commissioner of Navigation.*

Approved:

A. L. THURMAN,  
*Acting Secretary.*



## LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS.

[This list includes Government and commercial land stations only.]

Station.	Call signal.	Wave lengths.	Service.	Hours of operation.	Station controlled by—
Akron, Ohio . . . . .	WOI	300, 600, 2070.	PR	8 a. m. to 4.30 p. m.	Goodyear Tire & Rubber Co.
Akutan, Alaska . . . . .	KMW	300, 525, 600..	PR	X	North Pacific Sea Products Co.
Albina, Oreg. <i>See</i> Portland, O reg. (KGN).					
Alokanok River, Alaska.	KML	300, 500, 600..	P	X	North Alaska Salmon Co.
Anchorage, Alaska..	NZY	300, 600, 750, 1000.	O	X	Alaska Engineering Commission.
Anderson (steamship), Fort Monroe, Va.	WZM	.....	O	.....	U. S. Army.
Annapolis, Md. ....	NAK	.....	O	8 a. m. to 10 p. m.	U. S. Navy.
Arlington, Radio, Va. <i>See</i> Washington, D. C.					
Ashtabula, Ohio ....	WSA	300, 550, 600..	PG	( <sup>1</sup> )	Marconi Co.
Astoria, Oreg. ....	KPC	300, 600, 1800 3100, 3800.	PG PR	N	Marconi Co.
Avalon, Cal. ....	KPI	300, 530, 600..	PR	7 a. m. to 8 p. m.	Marconi Co.
Balboa, Panama ....	NPJ	600 .....	PG	N	U. S. Navy.
Baltimore, Md. ....	WBS	300, 550, 600..	PG	6 a. m. to midnight.	Marconi Co.
Beaufort, N. C. ....	NAN	.....	O	N	U. S. Navy.
Belmar, N. J. ....	WII	.....			Marconi Co.
Benton Harbor, Mich.	WIZ	300, 500, 600..	PR	X	Graham & Morton Transp. Co.
Binghamton, N. Y..	WBT	1610 .....	PR	X	D., L. & W. R. R. Co.
Bolinas, Cal. ....	KET	6100 .....	PR	N	Marconi Co.
Boston, Mass. ....	WCH	300, 600, 1610, 2000, 2400, 2800.	P	X	Nat. Elec. Signaling Co.
Boston, Mass. ....	WBF	300, 600 .....	PG	N	Marconi Co.
Boston, Mass. ....	NAD	.....	O	N	U. S. Navy.
Bremerton, Wash. <i>See</i> Puget Sound.					
Brooklyn, N. Y. ....	WCG	300, 550, 600, 1650, 2600.	PG PR	( <sup>2</sup> )	Nat. Elec. Signaling Co.
Brooks, Alaska. ....	KIZ	300, 600 .....			Alaska Wireless Telegraph Co.
Brownsville, Tex. ....	WUZ	1000 .....	O	X	U. S. Army.
Buckroe (steamship), Fort Monroe, Va.	WZL	.....			U. S. Army.

<sup>1</sup> 7.30 a. m. to 11.30 a. m.; 12.30 p. m. to 5 p. m.

<sup>2</sup> 4 a. m. to 8 a. m.; 5 p. m. to 9 p. m.

## LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

Station.	Call signal.	Wave lengths.	Serv-ice.	Hours of operation.	Station controlled by—
Buffalo, N. Y. . . . .	WBL	300, 500, 600..	PG	( <sup>1</sup> )	Marconi Co.
Burrwood, La. . . . .	WBW	300, 600, 2200.	{ PG PR }	( <sup>2</sup> )	Tropical Radio Tel- egraph Co.
Calumet, Mich. . . . .	WCM	300, 500, 600..	PG	( <sup>3</sup> )	Marconi Co.
Canton, Ohio. . . . .	WQP	500. . . . .	P	X	Henry L. Ley.
Cape Blanco, Oreg. . . . .	NPF	600. . . . .	PG	N	U. S. Navy.
Cape Cod, Mass. See North Truro, Mass.					
Cape Hatteras (Bux- ton), N. C. . . . .	WHA	300, 550, 600..	{ PG PR }	N	Marconi Co.
Cape May, N. J. . . . .	WCY	300, 550, 600..	PG	N	Marconi Co.
Cape St. Elias, Alaska.	NLQ	600, 800, 1000, 1200.	PG	X	U. S. Bureau of Lighthouses.
Cavite, P. I. . . . .	NPO	.....	O	N	U. S. Navy.
Charleston, S. C. . . . .	NAO	600. . . . .	PG	N	U. S. Navy.
Chicago, Ill. . . . .	WGO	300, 500, 600..	{ PG PR }	( <sup>4</sup> )	Marconi Co.
Chignik, Alaska . . . . .	KHC	300, 500, 600, 1610.	PR	X	Alaska Packers' Association.
Circle City, Alaska. . . . .	WVA	600, 1400. . . . .	O	.....	U. S. Army.
Clarks Point, Alaska. . . . .	KHG	300, 400, 500, 600.	PR	X	Alaska Packers' Association.
Cleveland, Ohio . . . . .	WCX	300, 500, 600..	PG	( <sup>5</sup> )	Marconi Co.
Colon, Panama . . . . .	NAX	600. . . . .	PG	N	U. S. Navy.
Colorado Springs, Colo. . . . .	KIY	300, 425. . . . .	PR	X	Herbert C. Col- burn.
Conneaut Harbor, Ohio. . . . .	WEV	300, 475, 540, 600.	PR	X	Marquette & Bes- semer Dock & Nav. Co.
Cordova, Alaska. . . . .	NPA	600. . . . .	PG	N	U. S. Navy.
Corregidor Isld., P.I. See Fort Mills.					
Cuyo, P. I. . . . .	WVX	600, 1200. . . . .	PG	7 a. m. to 6.15 p. m.	Insular Govt., Phil- ippine Islds.
Daly City, Cal. See Hillcrest.					
Darien, Panama . . . . .	NBA	.....	O	N	U. S. Navy.
Davao, Mindanao Isld., P. I. . . . .	WVO	600, 1200. . . . .	PG	7 a. m. to 6 p. m.	U. S. Army.
Davenport, Iowa. . . . .	WPT	500. . . . .	PR	X	Western Flour Mill Co.
Denver, Colo. . . . .	KIX	300, 575. . . . .	PR	X	William H. Smith.
Detroit, Mich. (WDR). See River Rouge, Mich.					
Detroit, Mich. . . . .	WOK	300, 600, 2160.	PR	8.30 a. m. to 4.30 p. m.	Goodyear Tire & Rubber Co.
Diamond Shoals Lightship (off Cape Hatteras, N. C.). . . . .	NLB	.....	O	6 a. m. to 10 p. m.	U. S. Navy.
D., L. & W. R. R. limited train.	WBI	.....	.....	.....	D., L. & W. R. R. Co.

<sup>1</sup> Apr. 15 to June 2 and Sept. 16 to Dec. 15: 1 a. m. to 7 a. m.; 7 p. m. to midnight. June 3 to Sept. 15: 1 a. m. to 6 a. m.; 7 a. m. to noon; 1 p. m. to 6 p. m.; 7 p. m. to midnight.

<sup>2</sup> 7 a. m. to 7.05 a. m.; 9 a. m. to 9.05 a. m.; 11 a. m. to 11.05 a. m.; 2 p. m. to 2.05 p. m.; 4 p. m. to 4.05 p. m.; 7 p. m. to 7.05 p. m.

<sup>3</sup> 2 a. m. to 7 a. m.; 8 a. m. to 1 p. m.; 2 p. m. to 7 p. m.; 8 p. m. to 1 a. m.

<sup>4</sup> 12.30 p. m. to 7 p. m.; 8 p. m. to 11.30 p. m.; 12.30 a. m. to 7 a. m.; 8 a. m. to 11.30 a. m.; when lake is open to navigation.

<sup>5</sup> 9 a. m. to noon; 12.30 p. m. to 8 p. m.; 9 p. m. to 11 p. m.; 12 midnight to 8 a. m.

LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

Station.	Call signal.	Wave lengths.	Service.	Hours of operation.	Station controlled by—
Douglas, Ariz. ....	KDC	300, 600. ....	P	(1)	Copper Queen Consolidated Mining Co.
Dover, N. J. ....	WBX	.....	.....	.....	D., L. & W. R. R. Co.
Duluth, Minn. ....	WDM	300, 500, 600..	PG	(2)	Marconi Co.
Dutch Harbor, Alaska.	NPR	600. ....	PG	N	U. S. Navy.
East San Pedro, Cal..	KPJ	300, 500, 600..	{ PR PG }	N	Marconi Co.
Egegak, Alaska. ....	KMF	300, 500, 600..	PR	X	North Alaska Salmon Co.
Ensenada, P. R. ....	WPR	300, 600, 1610.	{ PR PG }	(3)	Guanica Centrale.
Eureka, Cal. ....	KPM	300, 600. ....	PG	(4)	Marconi Co.
Eureka, Cal. ....	NPW	600. ....	PG	N	U. S. Navy.
Fairbanks, Alaska. .	WVB	600, 1400. ....	PG	.....	U. S. Army.
Farallons, Cal. ....	NPI	.....	O	N	U. S. Navy.
Fire Island, N. Y. .	NAG	.....	O	N	U. S. Navy.
Fort Adams, R. I. . .	WUU	1200. ....	O	6 a. m. to 10 p. m.	U. S. Army.
Fort Andrews, Mass.	WUA	.....	O	6 a. m. to 10 p. m.	U. S. Army.
Fort Barrancas, Fla.	WZD	1200. ....	O	6 a. m. to 10 p. m.	U. S. Army.
Fort Caswell, N. C. .	WUT	825. ....	O	6 a. m. to 10 p. m.	U. S. Army.
Fort Constitution, N. H.	WZE	825. ....	O	6 a. m. to 10 p. m.	U. S. Army.
Fort Crockett, Tex.	WUX	1200. ....	O	6 a. m. to 10 p. m.	U. S. Army.
Fort Dade, Fla. ....	WZK	825. ....	O	6 a. m. to 10 p. m.	U. S. Army.
Fort De Russy, Honolulu, Hawaii.	WZG	.....	O	6 a. m. to 10 p. m.	U. S. Army.
Fort Drum, El Fraile Isld., Manila Bay, P. I.	WVP	.....	O	6 a. m. to 10 p. m.	U. S. Army.
Fort Egbert, Alaska.	WVC	600, 1400. ....	O	.....	U. S. Army.
Fort Frank, Carabao Isld., Manila Bay, P. I.	WVL	.....	O	6 a. m. to 10 p. m.	U. S. Army.
Fort Gibbon, Alaska.	WVD	1600, 2000. ....	O	.....	U. S. Army.
Fort Hancock, N. J.	WUB	.....	O	6 a. m. to 10 p. m.	U. S. Army.
Fort H. G. Wright, N. Y.	WUC	.....	O	6 a. m. to 10 p. m.	U. S. Army.
Fort Howard, Md. . .	WZB	1200. ....	O	6 a. m. to 10 p. m.	U. S. Army.
Fort Hughes, Caballo Isld., Manila Bay, P. I.	WVM	.....	O	6 a. m. to 10 p. m.	U. S. Army.
Fort Leavenworth, Kans.	WUD	1800. ....	O	.....	U. S. Army.
Fort Leavenworth, Kans. (Army Signal School).	WUV	.....	O	.....	U. S. Army.

<sup>1</sup> 10 a. m. to 11 a. m.; 4 p. m. to 5 p. m.

<sup>2</sup> 1 a. m. to 7 a. m.; 8 a. m. to noon; 1 p. m. to 7 p. m.; 8 p. m. to midnight

<sup>3</sup> Week days, 8 a. m. to noon; 2 p. m. to 5 p. m.; Sundays, 9 a. m. to noon.

<sup>4</sup> 8.30 a. m. to 6 p. m.; 7.30 p. m. to 6 a. m.



## LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

Station.	Call signal.	Wave lengths.	Service.	Hours of operation.	Station controlled by—
Fort Levett, Me. . . .	WUE	.....	O	6 a. m. to 10 p. m.	U. S. Army.
Fort Mills, Corregidor Isld., Manila Harbor, P. I.	WVN	.....	PG	6 a. m. to 10 p. m.	U. S. Army.
Fort Mills, Corregidor Islands, Manila Bay, P. I.	WVZ	600, 825.....	O	6 a. m. to 10 p. m.	U. S. Army.
Fort Monroe, Va. . . .	WUF	.....	O	6 a. m. to 10 p. m.	U. S. Army.
Fort Monroe, Va. (Coast Artillery School).	WUG	.....	O	6 a. m. to 10 p. m.	U. S. Army.
Fort Morgan, Ala. . . .	WFM	300, 445, 600..	{ PR } { PG }	( <sup>1</sup> )	Marconi Co.
Fort Morgan, Ala. . . .	WUR	1200.....	O	6 a. m. to 10 p. m.	U. S. Army.
Fort Moultrie, S. C. . .	WZF	825.....	O	6 a. m. to 10 p. m.	U. S. Army.
Fort Riley, Kans. . . .	WUI	1200.....	O	.....	U. S. Army.
Fort Rosecrans, Cal.	WUS	1200.....	O	6 a. m. to 10 p. m.	U. S. Army.
Fort Sam Houston, Tex.	WUJ	650.....	O	.....	U. S. Army.
Fort San Jacinto, Tex.	WUY	1200.....	O	6 a. m. to 10 p. m.	U. S. Army.
Fort Screven, Ga. . . .	WZA	1200.....	O	6 a. m. to 10 p. m.	U. S. Army.
Fort Stevens, Oreg. . .	WUK	.....	O	6 a. m. to 10 p. m.	U. S. Army.
Fort St. Michael, Alaska.	WVE	600, 1200.....	PG	9 a. m. to 9 p. m.	U. S. Army.
Fort Terry, N. Y. . . .	WUW	1200.....	O	6 a. m. to 10 p. m.	U. S. Army.
Fort Totten, N. Y. . . .	WUL	.....	O	6 a. m. to 10 p. m.	U. S. Army.
Fort Whitman, Wash.	WZC	1200.....	O	6 a. m. to 10 p. m.	U. S. Army.
Fort Winfield Scott, Cal.	WUO	.....	O	6 a. m. to 10 p. m.	U. S. Army.
Fort Wint, Grand Isld., Manila Bay, P. I.	WVR	.....	O	6 a. m. to 10 p. m.	U. S. Army.
Fort Wm. McKinley, Luzon Isld., P. I.	WVQ	600.....	O	.....	U. S. Army.
Fort Wood, N. Y. . . .	WUM	.....	O	.....	U. S. Army.
Fort Worden, Wash. . .	WUN	.....	PG	6 a. m. to 10 p. m.	U. S. Army.
Frankfort, Mich. . . . .	WFK	300, 500, 600..	PG	( <sup>2</sup> )	Marconi Co.
Frying Pan Shoals Lightship (off Cape Fear, N. C.).	NLC	.....	O	6 a. m. to 10 p. m.	U. S. Navy.

<sup>1</sup> For general public service, 7.10 a. m. to 7.20 a. m.; 7.40 a. m. to 7.50 a. m.; 8.10 a. m. to 8.20 a. m.; 8.40 a. m. to 8.50 a. m.; 9.10 a. m. to 9.20 a. m.; 9.40 a. m. to 9.50 a. m.; 10.10 a. m. to 10.20 a. m.; 10.40 a. m. to 10.50 a. m.; 11.10 a. m. to 11.20 a. m.; 11.40 a. m. to 11.50 a. m.; 12.10 p. m. to 12.20 p. m.; 2.10 p. m. to 2.20 p. m.; 2.40 p. m. to 2.50 p. m.; 3.10 p. m. to 3.20 p. m.; 3.40 p. m. to 3.50 p. m.; 4.10 p. m. to 4.20 p. m.; 4.40 p. m. to 4.50 p. m.; 5.10 p. m. to 5.20 p. m.; 5.40 p. m. to 5.50 p. m.; 6.10 p. m. to 6.20 p. m. For limited public service, 7 a. m. to 7.10 a. m.; 7.30 a. m. to 7.40 a. m.; 8 a. m. to 8.10 a. m.; 8.30 a. m. to 8.40 a. m.; 9 a. m. to 9.10 a. m.; 10 a. m. to 10.10 a. m.; 10.30 a. m. to 10.40 a. m.; 11 a. m. to 11.10 a. m.; 11.30 a. m. to 11.40 a. m.; 12 noon to 12.10 p. m.; 2 p. m. to 2.10 p. m.; 2.30 p. m. to 2.40 p. m.; 3 p. m. to 3.10 p. m.; 3.30 p. m. to 3.40 p. m.; 4 p. m. to 4.10 p. m.; 4.30 p. m. to 4.40 p. m.; 5 p. m. to 5.10 p. m.; 5.30 p. m. to 5.40 p. m.; 6 p. m. to 6.10 p. m.

<sup>2</sup> 8 a. m. to noon; 1 p. m. to 7 p. m.

LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

Station.	Call signal.	Wave lengths.	Service.	Hours of operation.	Station controlled by—
Galveston, Tex.....	WGV	300, 500, 600..	PG	(1)	Marconi Co.
Grand Haven, Mich.	WGH	300, 500, 600..	PG	(2)	Marconi Co.
Great Lakes, Ill.....	NAJ	300, 600, 1000.	O	N	U. S. Navy.
Guam, Marianna Islds.	NPN	300, 600.....	PG	N	U. S. Navy.
Guantanamo Bay, Cuba.	NAW	600 .....	PG	N	U. S. Navy.
Hales Creek, Alaska.	KMT	300, 600, 2000.	P	X	North Alaska Sal- mon Co.
Hatteras, N. C. <i>See</i> Cape Hatteras.					
Heald Bank Light- ship, off Galves- ton, Tex.	NLP	300, 600.....	O	8 a. m. to 10 p. m.	U. S. Navy.
Heeia Point, Hawaii.	KHX	300, 600, 3000, 8000, 9300, 10600.	PG	N	Federal Telegraph Co.
Hillcrest, Cal.....	KPH	300, 530, 600..	PG	N	Marconi Co.
Hoboken, N. J.....	WBU	2240.....	PR	X	Marconi Co.
Hollister, Cal.....	KGH	300, 600, 1650.	PR	X	Palmer B. Hewlett.
Honolulu, Hawaii. <i>See</i> Pearl Harbor, Hawaii.					
Iditarod, Alaska....	KIV	500.....	PR	9 a. m. to 7 p. m.	Alaska Wireless Tel- egraph Co.
Indianhead, Md....	NBG	300, 600, 750..	O	X	U. S. Navy.
Inglewood, Cal.....	KFZ	300, 600, 3300, 4000.	PR	9 a. m. to 6 p. m.	Federal Telegraph Co.
Isle Royal, Mich....	WRO	300, 600.....			Marconi Co.
Jacksonville, Fla....	WJX	300, 450, 600,	PG	(3)	Marconi Co.
Jolo, Jolo Isld., P. I.	WVS	600.	PG	7 a. m. to 5.15 p. m.	Insular Govt., Phil- ippine Islds.
Jualin, Alaska.....	KJA	300, 500, 600, 1980.	PG	(4)	Marconi Co.
Juneau, Alaska.....	KDU	300, 600, 1800, 3100.	PG	N	Marconi Co.
Jupiter, Fla.....	NAQ	.....	O	N	U. S. Navy.
Kahuku, Hawaii. <i>See</i> Koko Head.					
Kaunakakai, Hawaii	KHO	300, 450, 600..	PR	(5)	Mutual Telephone Co. (Ltd.).
Kawaihae, Hawaii..	KHN	300, 575, 600..	PR	(5)	Mutual Telephone Co. (Ltd.).
Ketchikan, Alaska..	KPB	300, 600, 1800, 3100.	PG	N	Marconi Co.
Key West, Fla.....	NAR	600 .....	PG	N	U. S. Navy.
Kodiak, Alaska.....	NPS	600.....	PG	N	U. S. Navy.
Koggiung, Alaska...	KHB	300, 400, 500, 600.	PR	X	Alaska Packers' As- sociation.
Koggiung, Alaska...	KVV	300, 450, 600..	PG	6.30 p. m. to 9.30 p. m.	Alaska Fishermen's Packing Co.
Koko Head, Hawaii.	KHJ	.....	PR	.....	Marconi Co.
Koko Head, Hawaii.	KIE	6200.....	PR	N	Marconi Co.
Kotlik, Alaska.....	VVF	600.....	PG	(6)	U. S. Army.
Kvichak, Alaska....	KMT	300, 600, 2000.	PR	X	North Alaska Sal- mon Co.

<sup>1</sup> 7 a. m. to 12 noon; 1 p. m. to 2 a. m.

<sup>2</sup> 7 a. m. to 11 a. m.; 8 p. m. to 11 p. m.

<sup>3</sup> 6 a. m. to 8 a. m.; 10 a. m. to 1 p. m.; 4 p. m. to 7 p. m.

<sup>4</sup> 8.30 a. m. to 8.45 a. m.; 1.30 p. m. to 1.45 p. m.; 7.30 p. m. to 7.45 p. m.

<sup>5</sup> 7 a. m. to noon; 1 p. m. to 5.30 p. m.

<sup>6</sup> 9 a. m. to 9 p. m. during season of navigation only.

LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

Station.	Call signal.	Wave lengths.	Service.	Hours of operation.	Station controlled by—
Kvichak, Alaska...	KML	300, 500, 600..	P	X	North Alaska Salmon Co.
Lahaina, Hawaii...	KHL	300, 575, 600..	PR	( <sup>1</sup> )	Mutual Telephone Co. (Ltd.).
Larsen Bay, Alaska..	KHA	300, 500, 600, 1610.	PR	X	Alaska Packers' Association.
Lents, Oreg.....	KFU	.....	PR	.....	Federal Tel. Co.
Lihue, Hawaii.....	KHM	300, 575, 600..	PR	( <sup>1</sup> )	Mutual Telephone Co. (Ltd.).
Los Angeles, Cal....	KEX	300, 600.....	P	9 a. m. to 5 p. m.	Marconi Co.
Los Angeles, Cal....	KLS	300, 600, 1800, 2800, 3250.	{ PG PR	{ 4 a. m. to 10 p. m.	Federal Telegraph Co.
Ludington, Mich....	WLD	300, 500, 600..	PG	( <sup>2</sup> )	Marconi Co.
Mackinac Island, Mich.	WHQ	300, 500, 600..	PG	( <sup>3</sup> )	Marconi Co.
Malabang, Mindanao Isld., P. I.	WVT	600, 1200.....	PG	7 a. m. to 7.30 p. m.	Insular Govt., Philippine Islds.
Manila, P. I.....	WVU	600.....	O	.....	U. S. Army.
Manistique, Mich...	WMX	300, 500, 600..	PG	( <sup>4</sup> )	Marconi Co.
Manitowoc, Wis.....	WMW	300, 500, 600..	PG	( <sup>5</sup> )	Marconi Co.
Mare Island, Cal. See San Francisco, Cal.					
Marshall, Cal. See Bolinas, Cal.					
Marshfield, Oreg....	KPX	300, 600.....	PG	8 a. m. to 6 p. m.	Marconi Co.
Metha Nelson (steamship), Bristol Bay, Alaska.	KMP	300, 500, 600..	PR	X	Alaska Packers' Association.
Miami, Fla.....	WST	300, 450, 600..	PG	N	Marconi Co.
Milwaukee, Wis.....	WME	300, 500, 600..	PG	( <sup>9</sup> )	Marconi Co.
Mobile, Ala.....	WMB	300, 445, 600..	{ PG PR	{ ( <sup>7</sup> )	Marconi Co.
Mount Vernon, Ohio	WQV	500.....	P	X	Bunyan J. Hyatt.
Naknek, Alaska.....	KHT	300, 500, 600, 1610.	PR	X	Alaska Packers' Association.
Naknek, Alaska....	KMK	300, 500, 600..	P	X	Naknek Packing Co.
Nantucket Shoals Lightship (off Newport, R. I.).	NLA	.....	O	4 a. m. to midnight.	U. S. Navy.
Navassa Island, West Indies.	WQN	.....	.....	.....	Snare & Triest Co.
New Brunswick, N. J. See Belmar, N. J.					

<sup>1</sup> 7 a. m. to noon; 1 p. m. to 5.30 p. m.  
<sup>2</sup> 7 a. m. to 11 a. m.; noon to 6 p. m.; 8 p. m. to 1 a. m.; 2 a. m. to 7 a. m.  
<sup>3</sup> Sept. 16 to Oct. 1, and June 7 to June 30, sunset to sunrise; July 1 to Sept. 15, 7 a. m. to noon; 1 p. m. to 6 p. m.; 7 p. m. to 12 p. m.; 1 a. m. to 6 a. m.  
<sup>4</sup> 8 a. m. to 11 a. m.; 2 p. m. to 5 p. m.; 7 p. m. to 9 p. m.  
<sup>5</sup> 8 a. m. to 11.30 a. m.; 2.30 p. m. to 6 p. m.; 7.30 p. m. to 8.30 p. m.  
<sup>6</sup> 8 a. m. to noon; 1 p. m. to 5 p. m.  
<sup>7</sup> For general public service, 7.10 a. m. to 7.30 a. m.; 7.40 a. m. to 8 a. m.; 8.10 a. m. to 8.30 a. m.; 8.40 a. m. to 9 a. m.; 10.10 a. m. to 10.30 a. m.; 10.40 a. m. to 11 a. m.; 11.10 a. m. to 11.30 a. m.; 11.40 a. m. to 12 noon; 2.10 p. m. to 2.30 p. m.; 2.40 p. m. to 3 p. m.; 3.10 p. m. to 3.30 p. m.; 3.40 p. m. to 4 p. m.; 4.10 p. m. to 4.30 p. m.; 4.40 p. m. to 5 p. m.; 5.10 p. m. to 5.30 p. m.; 5.40 p. m. to 6 p. m. For limited public service, 7 a. m. to 7.10 a. m.; 7.30 a. m. to 7.40 a. m.; 8 a. m. to 8.10 a. m.; 8.30 a. m. to 8.40 a. m.; 9 a. m. to 9.10 a. m.; 10 a. m. to 10.10 a. m.; 10.30 a. m. to 10.40 a. m.; 11 a. m. to 11.10 a. m.; 11.30 a. m. to 11.40 a. m.; 12 noon to 12.10 p. m.; 2 p. m. to 2.10 p. m.; 2.30 p. m. to 2.40 p. m.; 3 p. m. to 3.10 p. m.; 3.30 p. m. to 3.40 p. m.; 4 p. m. to 4.10 p. m.; 4.30 p. m. to 4.40 p. m.; 5 p. m. to 5.10 p. m.; 5.30 p. m. to 5.40 p. m.; 6 p. m. to 6.10 p. m.

LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

Station.	Call signal.	Wave lengths.	Service.	Hours of operation.	Station controlled by—
New London, Conn..	NRZ	300, 600.....	<sup>1</sup> O	X	U. S. C. G.
New London, Conn..	WLC	300, 510, 600, 1610.	PG	8 p. m. to 4 a. m.	T. A. Scott Co. (Inc.).
New Orleans, La....	NAT	.....	O	8 a. m. to 10 p. m.	U. S. Navy.
New Orleans, La....	WHK	300, 600.....	PG	( <sup>2</sup> )	Marconi Co.
New Orleans, La....	WNU	300, 600, 1800, 1850.	{ P PR PG }	N	Tropical Radio Tel- egraph Co.
Newport, R. I.....	NAF	.....	O	N	U. S. Navy.
Newport, R. I.....	WCI	300, 550, 600..	PG	7 p. m. to 5 a. m.	Nat. Elec. Signal- ing Co.
New Prague, Minn..	WPU	500.....	PR	X	New Prague Flour Milling Co.
Newton, Mass.....	WLN	300, 600, 1650, 2000.	P	X	Ralph C. Emery.
New York, N. Y....	NAH	.....	O	N	U. S. Navy.
New York, N. Y....	WHB	300, 600, 1610.	PG	N	N. Y. Herald Co.
New York, N. Y....	WHI	300, 600.....	PG	N	Marconi Co.
New York, N. Y....	WNT	300, 600.....	PG	( <sup>3</sup> )	Atlantic Communi- cation Co.
Nome, Alaska.....	WVG	600, 2000.....	PG	N	U. S. Army.
Norfolk, Va.....	NAM	.....	O	N	U. S. Navy.
North Head, Wash..	NPE	600.....	PG	N	U. S. Navy.
North Truro, Mass..	NAE	.....	O	N	U. S. Navy.
Nulato, Alaska.....	WVH	2000.....	O	.....	U. S. Army.
Nushagak, Alaska..	KMG	300, 500, 600..	PR	X	North Alaska Sal- mon Co.
Oakland, Cal.....	KGI	300, 500, 600..	P	X	Ellery W. Stone.
Olongapo, P. I.....	NPT	.....	O	N	U. S. Navy.
Passagrille, Fla....	WRG	300, 435, 600..	PG	X	C. A. Brown.
Pearl Harbor, Ha- waii.	NPM	.....	O	N	U. S. Navy.
Peking, China.....	NPP	.....	O	N	U. S. Navy.
Pensacola, Fla.....	NAS	600.....	PG	N	U. S. Navy.
Petersburg, Alaska..	WVI	600.....	PG	9 a. m. to 9 p. m.	U. S. Army.
Philadelphia, Pa....	WHE	300, 600, 1650.	PG	9 a. m. to 5.30 p. m.	Marconi Co.
Philadelphia, Pa....	NAI	.....	O	N	U. S. Navy.
Phoenix, Ariz.....	KHQ	3000, 3400.....	PR	6 a. m. to 6 p. m.	Federal Telegraph Co.
Point Arguello, Cal..	NPK	600.....	PG	N	U. S. Navy.
Point Isabel, Tex....	NAY	.....	.....	.....	U. S. Navy.
Port Arthur, Tex....	WRU	300, 600.....	PG	( <sup>4</sup> )	Marconi Co.
Portland, Me.....	NAB	.....	O	8 a. m. to 10 p. m.	U. S. Navy.
Portland, Oreg.....	KGN	300, 600, 1700.	PR	X	Northwestern Elec- tric Co.
Portland, Oreg.....	KDP	200, 300, 425, 550, 600.	PR	X	Charles L. Austin.
Port Moller, Alaska..	KWR	300, 450, 600, 1610.	PG	6.30 p. m. to 9.30 p. m.	Pacific - American Fisheries.
Port Royal, S. C....	NAV	.....	O	N	U. S. Navy.
Portsmouth, N. H....	NAC	.....	O	N	U. S. Navy.

<sup>1</sup> This station will accept general public service in emergencies when open.  
<sup>2</sup> 7.05 a. m. to 8 a. m.; 10 a. m. to 10.25 a. m.; 10.45 a. m. to 10.55 a. m.; 1 p. m. to 1.20 p. m.; 3 p. m. to 4 p. m.; 5 p. m. to 5.30 p. m.; 6 p. m. to 6.30 p. m.; 8 p. m. to 8.55 p. m.; 10 p. m. to 11 p. m.  
<sup>3</sup> 9 a. m. to 5 p. m., except Sundays and holidays.  
<sup>4</sup> 6.30 a. m. to noon; 12.30 p. m. to 6 p. m.; 6.30 p. m. to 8.30 p. m.

## LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

Station.	Call signal.	Wave lengths.	Service.	Hours of operation.	Station controlled by—
Providence, R. I....	WPF	300, 425, 600..	PR	X	Dutee W. Flint.
Puerto Princesa, Paragua, P. I.	WVV	600, 1200.....	PG	7 a. m. to 6 p. m.	Insular Govt., Philippine Ialds.
Puget Sound, Wash..	NPC	.....	O	N	U. S. Navy.
Relief Lightship No. 66 or No. 85.	NLD	300, 600.....	PG	.....	U. S. Navy.
Relief Lightship No. 71 or No. 72.	NLE	300, 600.....	PG	.....	U. S. Navy.
Relief Lightship No. 94 or No. 53.	NLG	300, 600.....	PG	.....	U. S. Navy.
Rialto, Cal.....	KJR	300, 600, 1610.	PR	X	Southern California Edison Co.
River Rouge, Mich..	WDR	300, 500, 600..	PG	(1)	Marconi Co.
Roche Harbor, Wash.	KRW	300, 600, 1800.	PG		
Sagaponack, N. Y....	WSK	300, 600.....	PG	X	Marconi Co.
San Diego, Cal.....	KSD	300, 600, 1800, 2900.	PG	4 a. m. to 8 p. m.	Federal Telegraph Co.
San Diego, Cal.....	NPL	600.....	PG		
San Francisco, Cal..	NPH	.....	O	N	U. S. Navy.
San Francisco, Cal..	KFS	300, 600, 1800, 3000, 3500.	PR	7 a. m. to 7 p. m.	Federal Telegraph Co.
San Jose, Mindoro Isld., P. I.	WVY	600.....	PG		
San Juan, P. R.....	NAU	600.....	PG	N	Insular Govt., Philippine Ialds.
San Pedro, Cal. See East San Pedro.					U. S. Navy.
Sault Ste. Marie, Mich.....	WSI	450.....	.....	.....	Marconi Co.
Savannah, Ga.....	WSV	300, 500, 600..	PG	6 a. m. to midnight.	Marconi Co.
Sayville, N. Y.....	WSL	3900, 4700, 5200, 6300, 7800, 9400.	PR	N	(2)
Scranton, Pa.....	WTP	.....	.....	.....	D. L. & W. R. R. Co.
Sea Gate, N. Y.....	WSE	300, 600.....	PG	N	Marconi Co.
Seattle, Wash.....	KPA	300, 540, 600, 1700, 3100.	PG	N	Marconi Co.
Seattle, Wash.....	KPE	300, 525, 600..	PR		
Seaconset, Mass.....	WSC	300, 600.....	PG	(4)	City of Seattle (Harbor Dept.).
Sitka, Alaska.....	NPB	600.....	PG		
Snag Point, Alaska.	KHF	300, 400, 500, 600.	PR	X	Alaska Packers' Association.
South San Francisco, Cal.	KSS	300, 600, 1800, 5000, 8000, 10000.	PR	N	Federal Telegraph Co.
South Wellfleet, Mass.	WCC	300, 600, 2100.	PG		
St. Augustine, Fla..	NAP	600.....	PG	N	U. S. Navy.
St. George, Pribilof Ialds., Alaska.	NPY	.....	O	X	U. S. Navy.
St. Paul, Pribilof Ialds., Alaska.	NPQ	600.....	PG	N	U. S. Navy.

<sup>1</sup> 7 a. m. to 11.30 a. m.; 12.30 p. m. to 6 p. m.; 7 p. m. to 11 p. m.; 12 midnight to 6 a. m.

<sup>2</sup> 8 a. m. to 10 a. m.; 3 p. m. to 5 p. m.; 8 p. m. to 10 p. m.

<sup>3</sup> Station owned by Atlantic Communication Co. and operated temporarily by the U. S. Navy.

<sup>4</sup> 8 a. m. to noon; 1 p. m. to 5 p. m.

LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

Station.	Call signal.	Wave lengths.	Serv-ice.	Hours of operation.	Station controlled by—
St. Petersburg, Fla.	WIX	300, 395, 600..	PR	(1)	C. C. Brown.
Tampa, Fla.....	WPD	300, 510, 600..	PG	(2)	Marconi Co.
Tatoosh, Wash.....	NPD	600.....	PG	N	U. S. Navy.
Teller, Alaska.....	KWT	.....	PR	.....	Max B. Hirsch- berg.
Tuckerton, N. J....	WGG	8600.....	PR	N	(2)
Tutuila, Samoa.....	NPU	600.....	PG	.....	U. S. Navy.
Ugashik, Alaska....	KMU	300, 500, 600..	PR	X	Red Salmon Can- ning Co.
Underwood, Wash...	KGO	300, 600, 1700.	PR	X	Northwestern Elec. Co.
Victor, Colo.....	KIW	575.....	PR	(4)	Ajax Gold Mining Co.
Virginia Beach, Va..	WSY	300, 550, 600..	PG	N	Marconi Co.
Wahiawa, Hawaii...	KHK	900, 575, 600..	{ PG PR }	N	Mutual Telephone Co. (Ltd.).
Washington, D. C. (Arlington).	NAA	.....	O	N	U. S. Navy.
Washington, D. C. (Navy Yard).	NAL	.....	O	N	U. S. Navy.
Washington, D. C. (Capitol).	NZW	250, 650, 1000.	O	X	Supt. U. S. Capi- tol Building and Grounds.
Washington, D. C. (Army Signal Corps Laboratory).	WUP	.....	O	.....	U. S. Army.
Washington, D. C. (Bureau of Stand- ards).	WUQ	.....	O	.....	U. S. Army.
Wrangell, Alaska....	WVJ	300, 600.....	PG	9 a. m. to 9 p. m.	U. S. Army.
Yerba Buena, Cal...	NPG	.....	O	N	U. S. Navy.
Zamboanga, Minda- nao Isld., P. I.	WVW	600, 1200.....	PG	7 a. m. to 7.30 p. m.	Insular Govt., Phil- ippine Islds.

<sup>1</sup> 8 a. m. to 11 a. m.; 1 p. m. to 5 p. m.; 7.30 p. m. to 8 p. m.

<sup>2</sup> 6 a. m. to 8 a. m.; 10 a. m. to 1 p. m.; 4 p. m. to 7 p. m.

<sup>3</sup> Station owned by Atlantic Communication Co. and operated temporarily by the U. S. Navy.

<sup>4</sup> 9 a. m. to 11.30 a. m.; 7.30 p. m. to 11 p. m.

## SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS.

[This list includes stations on Government vessels, merchant vessels, and yachts.]

Vessel.	Call signal.	Wave lengths.	Service.	Owner of vessel (line).	Station controlled by—
Abangarez.....	KDI	300, 600..	PG	Abangarez S. S. Corp.	Tropical Radio Telegraph Co.
Abarenda.....	NOB	600.....	PG	Government.....	U. S. Navy.
Achilles.....	KPT	300, 600..	PG	Maryland Steel Co...	Marconi Co.
Acme.....	KIJ	300, 600..	PG	Standard Transp. Co.	U. S. C. G.
Acushnet.....	NRU	300, 600..	PG	Government.....	Marconi Co.
Adeline Smith.....	WHS	300, 600..	PG	Inter-Ocean Transp. Co.	Vessel owner.
Admiral Dewey....	WAY	300, 600..	PG	Pacific-Alaska Nav. Co.	Vessel owner.
Admiral Evans....	WAB	300, 600..	PG	.....do.....	Vessel owner.
Admiral Farragut..	WAF	300, 600..	PG	.....do.....	Vessel owner.
Admiral Schley....	WAZ	300, 600..	PG	.....do.....	Vessel owner.
Admiral Watson....	WAW	300, 450, 550, 600.	PG	.....do.....	Vessel owner.
Advance.....	KMV	300, 450, 550, 600.	PG	Panama R. R. Co....	Vessel owner.
Ajax.....	NBH	300, 600..	PG	Government.....	U. S. Navy.
Alabama.....	WFB	300, 600..	PG	Goodrich Transit Co.	Marconi Co.
Alabama.....	KUN	300, 600..	PG	The Texas Co.....	Marconi Co.
Alabama.....	NRI	300, 600..	PG	Government.....	U. S. Navy.
Alamance.....	WKZ	300, 450, 600.	PG	Garland S. S. Corp..	Vessel owner.
Alameda.....	WAA	300, 600..	PG	Alaska S. S. Co....	Vessel owner.
Alamo.....	KEJ	300, 600..	PG	Mallory S. S. Co....	Marconi Co.
Alaska.....	WWS	300, 435, 540, 600.	PG	Alaska S. S. Co....	Vessel owner.
Alaskan.....	WKA	300, 600..	PG	American-Hawaiian S. S. Co.	Vessel owner.
Albany.....	NBJ	300, 600..	PG	Government.....	U. S. Navy.
Albatross.....	NQY	300, 600..	PG	.....do.....	U. S. Navy.
Alberta.....	KZA	300, 600, 1800.	PG	F. G. Bourne.....	Marconi Co.
Alert.....	NBL	300, 600..	PG	Government.....	U. S. Navy.
Algonquin.....	KVG	300, 600..	PG	Clyde S. S. Co....	Marconi Co.
Algonquin.....	NRA	300, 600..	PG	Government.....	U. S. C. G.
Alicia.....	KZB	300, 600..	PG	Alfred I. du Pont...	Vessel owner.
Al-Ki.....	WNK	300, 600..	PG	Border Line Transp. Co.	Marconi Co.
Alliança.....	KMA	300, 450, 600.	PG	Panama R. R. Co....	Vessel owner.
Alliance.....	WRV	300, 600..	PG	North Pacific S. S. Co.	Marconi Co.
Almirante.....	KLD	300, 600..	PG	Almirante S. S. Corp.	Tropical Radio Telegraph Co.
Aloha.....	KYH	300, 450, 600.	PG	Arthur Curtiss James.	Vessel owner.
Alvina.....	WEY	300, 600..	P	Thomas F. Cole.....	Vessel owner.
Amazonia.....	KOO	300, 450, 600.	PG	R. Lawrence Smith, (Inc).	Marconi Co.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Serv-ice.	Owner of vessel (line)	Station controlled by—
American.....	WKF	300, 600..	PG	American-Hawaiian S. S. Co.	Vessel owner.
Ammen.....	NBP	300, 600..	PG	Government.....	U. S. Navy.
Amphitrite.....	NHG	300, 600..	PG	do.....	U. S. Navy.
Ancon.....	KMS	300, 400, 600.	PG	Panama R. R. Co....	Vessel owner.
Androscoggin.....	NRD	300, 600..	PG	Government.....	U. S. C. G.
Annapolis.....	NBR	300, 600..	PG	do.....	U. S. Navy.
Ann Arbor No. 3..	WDN	300, 600..	PG	Ann Arbor R. R. Co.	Marconi Co.
Ann Arbor No. 4..	WDO	300, 600..	PG	do.....	Marconi Co.
Ann Arbor No. 5..	WDP	300, 600..	PG	do.....	Marconi Co.
Anne W.....	WMU	300, 600..	PG	Hosford Transp. Co..	
Antilla.....	KWD	300, 450, 600.	PG	New York & Cuba Mail S. S. Co. (Ward Line).	Marconi Co.
Antilles.....	KKA	300, 450, 600.	PG	Southern Pacific Co..	Marconi Co.
Apache.....	KVA	300, 450, 600.	PG	Clyde S. S. Co.....	Marconi Co.
Apache.....	NRP	300, 600..	PG	Government.....	U. S. C. G.
Arapahoe.....	KVB	300, 450, 600.	PG	Clyde S. S. Co.....	Marconi Co.
Arborean.....	WLS	300, 450, 600.	PG	American-Hawaiian S. S. Co.	Marconi Co.
Ardmore.....	KIA	300, 600..	PG	Standard Oil Co. of N. J.	Marconi Co.
Arethusa.....	NBU	600.....	PG	Government.....	U. S. Navy.
Argyll.....	WTB	300, 600, 1800.	PG	Union S. S. Co. (Union Oil Co.).	Federal Tele-graph Co.
Arizona.....	WFG	300, 600..	PG	Goodrich Transit Co.	Marconi Co.
Arizonan.....	WKB	300, 600..	PG	American-Hawaiian S. S. Co.	Vessel owner.
Arkansas.....	NBV	300, 600..	PG	Government.....	U. S. Navy.
Aroline.....	WRJ	300, 600..	PG	Pacific-Alaska Nav. Co.	Marconi Co.
Artisan.....	WKW	300, 450, 600.	PG	American-Hawaiian S. S. Co.	Marconi Co.
Ashtabula.....	WEZ	300, 600..	PG	Pennsylvania & Ontario Nav. Co.	Marconi Co.
Astral.....	KIQ	300, 450, 600.	PG	Standard Transporta-tion Co.	Marconi Co.
Asuncion.....	WTX	300, 600..	PG	Standard Oil Co. of Cal.	Marconi Co.
Atenaa.....	KDK	300, 600..	PG	Atenas S. S. Corp....	Tropical Ra-dio Tele-graph Co.
Atlanta.....	KGR	300, 600..	PG	Cuba Improvement & S. S. Co.	Vessel owner.
Atlantic.....	KIK	300, 600..	PG	New York Interocean & Coastwise S. S. Co.	Marconi Co.
Atlas.....	WTT	300, 450, 600.	PG	Standard Oil Co. of Cal.	Marconi Co.
Aylwin.....	NIH	300, 600..	PG	Government.....	U. S. Navy.
Azaiea.....	NLO	.....	PG	Government.....	U. S. Dept. of Labor.
Aztec.....	KZC	.....	PG	A. C. Burrage.....	
Aztec.....	WWQ	300, 600..	PG	Pacific Mail S. S. Co.	Marconi Co.
Bache.....	NLK	300, 400, 600.	O	Government.....	U. S. Dept. of Commerce.



## SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Serv-ice.	Owner of vessel (line).	Station controlled by—
Bacoi.....	KJU	300, 450, 600.	PG	Standard Oil Co. of N. J.	Marconi Co.
Bailey.....	NCF	300, 600..	PG	Government.....	U. S. Navy.
Bainbridge.....	NIA	300, 600..	PG	.....do.....	U. S. Navy.
Balch.....	NII	300, 600..	PG	.....do.....	U. S. Navy.
Baltimore.....	NCH	300, 600..	PG	.....do.....	U. S. Navy.
Bantu.....	KLM	300, 600..	PG	U. S. Steel Products Co.	Marconi Co.
Baton Rouge.....	KSG	300, 600..	PG	Standard Oil Co. of N. J.	Vessel owner.
Bayamon.....	KDX	300, 600..	PG	Vacuum Oil Co. ....	Marconi Co.
Bay State.....	KRE	300, 600..	PG	Eastern S. S. Corp... Standard Oil Co. of N. J.	Marconi Co. Vessel owner.
Bayway.....	KSR	300, 600..	PG	Government.....	U. S. Navy.
Beale.....	NCL	300, 600..	PG	.....do.....	U. S. C. G.
Bear.....	NRB	300, 600..	PG	San Francisco & Port- land S. S. Co.	Marconi Co.
Beaver.....	WWB	300, 600..	PG	Eastern S. S. Corp... Government.....	Marconi Co. U. S. Navy.
Belfast.....	KRD	300, 600..	PG	Merchants & Miners Transp. Co.	Marconi Co.
Benham.....	NIJ	300, 600..	PG	Alaska-Portland Packers' Assn.	U. S. Navy.
Berkshire.....	KQB	300, 600..	PG	Colonial Nav. Co....	Marconi Co.
Berlin.....	WRB	300, 600..	PG	Government.....	U. S. Navy.
Beverly.....	KND	300, 600..	PG	New England S. S. Co.	Nat. Elec. Sig- naling Co.
Birmingham.....	NCN	300, 600..	PG	The Texas Co.....	U. S. Navy.
Boston.....	KXA	300, 550, 600.	PG	Standard Oil Co. of N. J.	Nat. Elec. Sig- naling Co.
Brabant.....	KUU	300, 450, 600.	PG	Vacuum Oil Co. ....	Marconi Co.
Bradford.....	KNG	300, 450, 600.	PG	Mallory S. S. Co. ....	Marconi Co.
Bramell Point.....	KRO	300, 600..	PG	Southern Pacific Co.. Standard Transporta- tion Co.	Marconi Co. Marconi Co.
Brazos.....	KEZ	300, 600..	PG	Standard Oil Co. of N. J.	Marconi Co.
Breakwater.....	WBK	300, 600..	PG	Colonial Nav. Co....	Nat. Elec. Sig- naling Co.
Brilliant.....	KTI	300, 600..	PG	Government.....	U. S. Navy.
Brindilla.....	KTZ	300, 600..	PG	Gulf & Southern S. S. Co.	Marconi Co.
Brockton.....	KNH	300, 600..	PG	Government.....	U. S. Navy.
Brooklyn.....	NFA	300, 600..	PG	Freeport & Tampico Fuel Oil Transp. Co.	Marconi Co.
Brunswick.....	KOS	300, 600..	PG	U. S. Steel Products Co.	U. S. Navy.
Brutus.....	NNA	300, 600..	PG	Government.....	U. S. Navy.
Buccaneer.....	KFO	300, 600..	PG	Freeport & Tampico Fuel Oil Transp. Co.	Marconi Co.
Buenaventura.....	KWA	300, 600..	PG	U. S. Steel Products Co.	Marconi Co.
Buffalo.....	NCU	300, 600..	PG	Government.....	U. S. Navy.
Buford.....	WXA	600..	PG	.....do.....	U. S. Army.
Bunker Hill.....	KJB	300, 600..	PG	Eastern S. S. Corp... Government.....	Marconi Co. U. S. Army.
Burnside.....	WXR	600..	O	.....do.....	U. S. Army.
Burrows.....	NCV	300, 600..	PG	Wilmington Transp. Co.	Marconi Co.
Burrows.....	NCV	300, 600..	PG	Wilmington Transp. Co.	Marconi Co.
Cabrillo.....	WBV	300, 500, 600.	PG	Petroleum Transp. Co W. R. Grace & Co....	Marconi Co.
C. A. Canfield.....	WIH	300, 600..	PG	Petroleum Transp. Co W. R. Grace & Co....	Marconi Co.
Cacique.....	WBE	300, 600..	PG	Petroleum Transp. Co W. R. Grace & Co....	Marconi Co.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Service.	Owner of vessel (line).	Station controlled by—
Caddo.....	KSK	300, 450, 600.	PG	Standard Oil Co. of N. J.	Marconi Co.
Caesar.....	NCY	300, 600..	PG	Government.....	U. S. Navy.
Calamares.....	KLC	300, 600..	PG	Calamares S. S. Corp.	Tropical Radio Tele- graph Co.
California.....	KYQ	300, 600..	PG	Mrs. Clara B. Stocker	
California.....	NCZ	300, 600..	PG	Government.....	U. S. Navy.
California.....	WOR	300, 600..	PG	John A. Hooper.....	Marconi Co.
Californian.....	WKC	300, 600..	PG	American - Hawaiian S. S. Co.	Vessel owner.
Caloria.....	KSP	300, 600..	PG	Standard Oil Co. of N. J.	Marconi Co.
Calvin Austin.....	KRN	300, 600..	PG	Eastern S. S. Corp... New York & Cuba Mail S. S. Co. (Ward Line).	Marconi Co. Marconi Co.
Camaguey.....	KWI	300, 450, 600.	PG		
Camden.....	KRC	300, 600..	PG	Eastern S. S. Corp... Barber & Co.....	Marconi Co. Marconi Co.
Camino.....	WQC	300, 600..	PG	Standard Oil Co. of N. J.	Marconi Co.
Campana.....	KOM	300, 450, 600.	PG		
Cape Cod.....	KPW	300, 600..	PG	F. H. Ely.....	Marconi Co.
Captain A. F. Lucas	WTV	300, 450, 600.	PG	Standard Oil Co. of Cal.	Marconi Co.
Captain A. M. Wetherill.	WYT	400.....	O	Government.....	U. S. Army.
Captain Gregory Barrett.	WYP	400.....	O	.....do.....	U. S. Army.
Captain Chas. W. Rowell.	WYI	400.....	O	.....do.....	U. S. Army.
Captain James Fornance.	WYM	400.....	O	.....do.....	U. S. Army.
Captain T. M. Mor- rison.	WYZ	1200.....	O	.....do.....	U. S. Army.
Caracas.....	KDB	300, 600..	PG	Atlantic & Carribean Steam Nav. Co. (Red D Line).	Marconi Co.
Carlos.....	WNC	300, 600..	PG	Olson & Mahony S. S. Co.	Vessel owner.
Carolina.....	WFE	300, 600..	PG	Goodrich Transit Co. New York & Porto Rico S. S. Co.	Marconi Co. Marconi Co.
Carolina.....	KGB	300, 450, 600.	PG		
Carolinian.....	KJF	300, 600..	PG	Export Leaf Tobacco Co.	Marconi Co.
Carrillo.....	KDE	300, 600..	PG	Carrillo S. S. Corp... Cartago S. S. Corp... Edw. L. Doheny..... Government.....	Tropical Ra- dio Tele- graph Co. Tropical Ra- dio Tele- graph Co.
Cartago.....	KDD	300, 600..	PG		
Casiana.....	KYE	.....	.....		
Cassin.....	NIK	300, 600..	PG		U. S. Navy.
Castine.....	NDA	300, 600..	PG	.....do.....	U. S. Navy.
Catania.....	WTI	300, 450, 600.	PG	Huasteca Petroleum Co.	Marconi Co.
Celilo.....	WMF	300, 600..	PG	Celilo S. S. Co.....	Marconi Co.
Celtic.....	NDB	300, 600..	PG	Government.....	U. S. Navy.
Centralia.....	WSN	300, 600..	PG	Centralia Co.....	Marconi Co.
Chalmette.....	KKC	300, 450, 600.	PG	Southern Pacific Co..	Marconi Co.

## SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Serv-ice.	Owner of vessel (line).	Station controlled by—
Charles E. Harwood	WID	300, 600..	PG	Petroleum Transp. Co	Marconi Co.
Charles Pratt.....	KSQ	300, 450, 600.	PG	Standard Oil Co. of N. J.	Marconi Co.
Charleston.....	NFE	300, 600..	PG	Government.....	U. S. Navy.
Charlton Hall.....	KLU	300, 600..	PG	U. S. Steel Products Co.	Marconi Co.
Chattanooga.....	NGI	300, 600..	PG	Government.....	U. S. Navy.
Cherokee.....	KVK	300, 600..	PG	Clyde S. S. Co.....	Marconi Co.
Chester.....	NDG	600.....	PG	Government.....	U. S. Navy.
Chester W. Chapin.	KXQ	300, 550, 600.	PG	New England S. S. Co.	Nat. Elec. Sig- naling Co.
Cheyenne.....	NDH	300, 600..	PG	Government.....	U. S. Navy.
Chicago.....	WAC	300, 600..	PG	Booth Fisheries Co..	Vessel owner.
Chicago.....	WFI	300, 600..	PG	Goodrich Transit Co.	Marconi Co.
Chicago.....	NDI	300, 600..	PG	Government.....	U. S. Navy.
China.....	WWA	300, 600..	PG	China Mail S. S. Co..	Marconi Co.
Christopher Colum- bus.	WFJ	300, 600..	PG	Goodrich Transit Co..	Marconi Co.
Cincinnati.....	NDL	300, 600..	PG	Government.....	U. S. Navy.
City of Alpena II..	WEH	300, 450, 500, 600.	PG	Detroit & Cleveland Nav. Co.	Vessel owner.
City of Atlanta....	KFB	300, 450, 600.	PG	Ocean S. S. Co. (Sa- vannah Line).	Marconi Co.
City of Augusta.....	KFJ	300, 450, 600.	PG	Ocean S. S. Co. (Sa- vannah Line).	Marconi Co.
City of Bangor.....	KRH	300, 600..	PG	Eastern S. S. Corp... Graham & Morton Transp. Co.	Marconi Co. Marconi Co.
City of Benton Harbor.	WDV	300, 600..	PG	Cleveland & Buffalo Transit Co.	Marconi Co.
City of Buffalo....	WFQ	300, 600..	PG	Detroit & Cleveland Nav. Co.	Marconi Co.
City of Cleveland III.	WEA	300, 600..	PG	Ocean S. S. Co. (Sa- vannah Line).	Marconi Co.
City of Columbus..	KFA	300, 450, 600.	PG	Detroit & Cleveland Nav. Co.	Vessel owner.
City of Detroit II..	WEC	300, 450, 500, 600.	PG	.....do.....	Marconi Co.
City of Detroit III..	WEF	300, 600..	PG	Cleveland & Buffalo Transit Co.	Marconi Co.
City of Erie.....	WFP	300, 600..	PG	Standard Oil Co. of N. Y.	Atlantic Com- munication Co.
City of Everett....	KTQ	300, 600..	PG	Graham & Morton Transp. Co.	Marconi Co.
City of Grand Rapids.	WDS	300, 600..	PG	New England S. S. Co.	Nat. Elec. Sig- naling Co.
City of Lowell.....	KXB	300, 550, 600.	PG	Detroit & Cleveland Nav. Co.	Vessel owner.
City of Mackinac II.	WEB	300, 450, 500, 600.	PG	Ocean S. S. Co. (Sa- vannah Line).	Marconi Co.
City of Memphis... City of Montgom- ery.	KFD KFY	300, 600.. 300, 450, 600.	PG PG	.....do.....	Marconi Co.
City of Para.....	WWF	300, 600..	PG	Pacific Mail S. S. Co.	Marconi Co.
City of Puebla.....	WQG	300, 600..	PG	Pacific Coast Co.....	Marconi Co.
City of Rockland... City of St. Ignace..	KRI WEG	300, 600.. 300, 450..	PG PG	Eastern S. S. Corp... Detroit & Cleveland Nav. Co.	Marconi Co. Vessel owner.
City of St. Joseph... City of St. Joseph... City of St. Joseph...	WDT	500, 600.. 300, 600..	PG PG	Graham & Morton Transp. Co.	Marconi Co.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Service.	Owner of vessel (line).	Station controlled by—
City of St. Louis...	KFX	300, 600..	PG	Ocean S. S. Co. (Savannah Line).	Marconi Co.
City of Savannah...	KFK	300, 450, 600.	PG	.....do.....	Marconi Co.
City of Seattle....	WGA	300, 600..	PG	Pacific Coast S. S. Co.	Marconi Co.
City of South Haven.	WDI	300, 600..	PG	Chicago & South Haven S. S. Co.	Marconi Co.
City of Sydney....	WWG	300, 600..	PG		
City of Taunton....	KXL	300, 450, 500, 550, 600.	PG	New England S. S. Co.	Nat. Elec. Signaling Co.
City of Topeka....	WGY	300, 600..	PG	Pacific Coast Co.....	Marconi Co.
Cleveland.....	NDM	300, 600..	PG	Government.....	U. S. Navy.
Clincher.....	KMC	300, 600..	PG	Clinchfield Nav. Co..	
Coalinga.....	WOT	300, 600, 1800.	PG	Union S. S. Co.....	Federal Telegraph Co.
Coamo.....	KGA	300, 450, 600.	PG	New York & Porto Rico S. S. Co.	Marconi Co.
Col. E. L. Drake..	WTS	300, 450, 600.	PG	Standard Oil Co. of Cal.	Marconi Co.
Col. Geo. Armistead.	WYG	600.....	O	Government.....	U. S. Army.
Colombia.....	WBH	300, 600..	PG	Pacific Mail S. S. Co..	
Colon.....	KMX	300, 450, 600.	PG	Panama R. R. Co....	Vessel owner.
Colorado.....	NDN	300, 600..	PG	Government.....	U. S. Navy.
Columbia.....	NGA	300, 600..	PG	do.....	U. S. Navy.
Columbia.....	WHC	300, 600..	PG	Henry Wilson.....	Marconi Co.
Columbian.....	WKS	300, 600..	PG	American-Hawaiian S. S. Co.	Vessel owner.
Columbine.....	NLL	600, 750, 1000.	O	Government.....	U. S. Dept. of Commerce.
Colusa.....	WIN	300, 600..	PG	W. R. Grace & Co....	Marconi Co.
Comal.....	KEM	300, 450, 600.	PG	Mallory S. S. Co. ....	Marconi Co.
Comanche.....	KVC	300, 600..	PG	Clyde S. S. Co. ....	Marconi Co.
Comanche.....	NRW	300, 600..	PG	Government.....	U. S. C. G.
Comet.....	KTJ	300, 600..	PG	Standard Transportation Co.	Marconi Co.
Commonwealth....	KXC	300, 550, 600.	PG	New England S. S. Co.	Nat. Elec. Signaling Co.
Communipaw.....	KOE	300, 600..	PG	Standard Oil Co. of N. J.	
Comus.....	KKD	300, 600..	PG	Southern Pacific Co..	Marconi Co.
Concho.....	KEC	300, 600..	PG	Mallory S. S. Co.....	Marconi Co.
Concord.....	KNC	300, 550, 600.	PG	Colonial Nav. Co.....	Nat. Elec. Signaling Co.
Congress.....	WGT	300, 600..	PG	Pacific Coast S. S. Co.	Marconi Co.
Conneaut.....	WCU	300, 600..	PG	Wyandotte Transp. Co.	Marconi Co.
Connecticut.....	NDQ	300, 600..	PG	Government.....	U. S. Navy.
Coppename.....	KBF	300, 600..	PG	Coppename S.S. Corp.	Tropical Radio Telegraph Co.
Cordova.....	WAR	300, 600..	PG	Alaska S. S. Co.....	Vessel owner.
Corning.....	KIH	300, 600..	PG	Standard Oil Co. of N. J.	Marconi Co.
Coronado.....	WSO	300, 600..	PG	Coronado Co.....	Marconi Co.
Corsair.....	KYC	300, 600..	PG	J. P. Morgan estate...	Marconi Co.
Corwin.....	WNN				

## SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Service.	Owner of vessel (line).	Station controlled by—
Costa Rica.....	WQI	300, 600..	PG	Bristol Bay Packing Co.	Vessel owner.
Craster Hall.....	KLK	300, 600..	PG	U. S. Steel Products Co.	Marconi Co.
Creole.....	KKR	300, 450, 600.	PG	Southern Pacific Co..	Marconi Co.
Cretan.....	KQC	300, 450, 600.	PG	Merchants & Miners' Transp. Co.	Marconi Co.
Cristobal.....	KMD	300, 450, 600.	PG	Panama R. R. Co....	Vessel owner.
Crofton Hall.....	KLR	300, 450, 600.	PG	U. S. Steel Products Co.	Marconi Co.
Crook.....	WXB	300, 600..	PG	Government.....	U. S. Army
Cubadist.....	KNV	300, 450, 600.	PG	Cuba Distilling Co..	Marconi Co.
Culgoa.....	NDU	300, 600..	PG	Government.....	U. S. Navy.
Cummings.....	NIL	300, 600..	PG	.....do.....	U. S. Navy.
Curacao.....	WGK	300, 600..	PG	Pacific Coast Co.....	Marconi Co.
Carrier.....	KNU	300, 600..	PG	Cuba Distilling Co..	Marconi Co.
Cushing.....	KSC	300, 600..	PG	Standard Oil Co. of N. J.	Marconi Co.
Cushing.....	NIM	300, 600..	PG	Government.....	U. S. Navy.
Cyclops.....	NDY	300, 600..	PG	.....do.....	U. S. Navy.
Cypress.....	NLM	600, 750, 1000.	O	.....do.....	U. S. Dept. of Commerce.
Cyprus.....	KYD	300, 600..	PG	Daniel C. Jackling...	Vessel owner.
Dade.....	KXU	300, 450, 600.	PG	Miami S. S. Co.....	Marconi Co.
Dakotan.....	WKD	300, 600..	PG	American-Hawaiian S. S. Co.	Marconi Co.
Dauntless.....	WRP	300, 600..	PG	Ship Owners' & Merchants' Tug Boat Co.	Vessel owner.
Dawnlite.....	KPP	300, 600..	PG	Standard Oil Co. of N. J.	Marconi Co.
Daylite.....	KPR	300, 600..	PG	.....do.....	Marconi Co.
Dayton.....	KNP	300, 600..	PG	.....do.....	Marconi Co.
Decatur.....	NJC	300, 600..	PG	Government.....	U. S. Navy.
Defiance.....	WRP	300, 600..	PG	Ship Owners' & Merchants' Tug Boat Co.	Vessel owner.
Delaware.....	NEK	300, 600..	PG	Government.....	U. S. Navy.
Delaware Sun.....	KTW	300, 600..	PG	Sun Co.....	Marconi Co.
Denver.....	NEM	300, 600..	PG	Government.....	U. S. Navy.
Des Moines.....	NEN	300, 600..	PG	.....do.....	U. S. Navy.
De Soto.....	KNI	300, 600..	PG	Standard Oil Co. of N. J.	Marconi Co.
Despatch.....	WOA	300, 600..	PG	Border Line Transp. Co.	Marconi Co.
Diana.....	KZM	.....	.....	C. Ledyard Blair.....	Marconi Co.
Dix.....	WXC	600.....	PG	Government.....	U. S. Army.
Dixie.....	NEP	300, 600..	PG	.....do.....	U. S. Navy.
D. N. Luckenbach.....	KGW	300, 600..	.....	Edgar F. Luckenbach.	Marconi Co.
Dochra.....	KGL	300, 600..	PG	La Plata S. S. Co....	Marconi Co.
Dolphin.....	WAU	300, 600..	PG	Alaska S. S. Co.....	Vessel owner.
Dolphin.....	NEQ	300, 600..	PG	Government.....	U. S. Navy.
Dora.....	WAH	300, 600..	PG	Alaska S. S. Co.....	Vessel owner.
Dorchester.....	KQD	300, 600..	PG	Merchants & Miners' Transp. Co.	Marconi Co.

## SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Serv-ice.	Owner of vessel (line).	Station controlled by—
Dorothy Bradford..	KNA	300, 600..	PR	Cape Cod S. S. Co., trustees.	Vessel owner.
Downes.....	NIN	300, 600..	PG	Government.....	U. S. Navy.
Drayton.....	NET	300, 600..	PG	do.....	U. S. Navy.
Dubuque.....	NEU	300, 600..	PG	do.....	U. S. Navy.
Duncan.....	NIR	300, 600..	PG	do.....	U. S. Navy.
E-1.....	NXS	300, 600..	PG	do.....	U. S. Navy.
E-2.....	NXT	300, 600..	PG	do.....	U. S. Navy.
Eagle.....	NFC	300, 600..	PG	do.....	U. S. Navy.
Eastern States.....	WEE	300, 600..	PG	Detroit & Cleveland Nav. Co.	Marconi Co.
Ecuador.....	WBN	300, 600..	PG	Pacific Mail S. S. Co.	Vessel owner.
Edgar F. Luckenbach.	KGK	300, 450, 530, 600.	PG	Luckenbach Co. (Inc.).	
Edward L. Doheny.	WIE	300, 475, 600.	PG	Petroleum Transp. Co.	Marconi Co.
El Alba.....	KKL	300, 450, 600.	PG	Southern Pacific Co..	Marconi Co.
Elcano.....	NFD	300, 600..	PG	Government.....	U. S. Navy.
El Capitan.....	WNB	300, 600..	PG	Standard Oil Co. of N. J.	Marconi Co.
El Cid.....	KKT	300, 600..	PG	Southern Pacific Co..	Marconi Co.
El Dia.....	KKY	300, 450, 600.	PG	do.....	Marconi Co.
Ellington.....	NLN	300, 600..	O	Government.....	U. S. Dept. of Labor.
El Mundo.....	KKU	300, 600..	PG	Southern Pacific Co..	Marconi Co.
El Norte.....	KKN	300, 450, 600.	PG	do.....	Marconi Co.
El Occidente.....	KKX	300, 600..	PG	do.....	Marconi Co.
El Oriente.....	KKV	300, 450, 600.	PG	do.....	Marconi Co.
El Rio.....	KKZ	300, 600..	PG	do.....	Marconi Co.
El Segundo.....	WTQ	300, 600..	PG	Standard Oil Co. of Cal.	Marconi Co.
El Siglo.....	KKS	300, 600..	PG	Southern Pacific Co..	Marconi Co.
El Sol.....	KKB	300, 450, 600.	PG	do.....	Marconi Co.
El Sud.....	KKQ	300, 450, 600.	PG	do.....	Marconi Co.
El Valle.....	KKW	300, 600..	PG	do.....	Marconi Co.
Enterprise.....	WMN	300, 600..	PG	Matson Nav. Co.....	Marconi Co.
Eocene.....	KTM	300, 600..	PG	Standard Transp. Co.	Vessel owner.
Erskine M. Phelps.	WTA	.....	PG	William D. Sewall (Union Oil Co.).	Marconi Co.
E. R. Sterling.....	WIS	300, 450, 600.	P	Sterling Ship Co.....	Vessel owner.
Esperanza.....	KWZ	300, 450, 600.	PG	N. Y. & Cuba Mail S. S. Co. (Ward Line).	Marconi Co.
Essex.....	KQE	300, 600..	PG	Merchants & Miners' Transp. Co.	Marconi Co.
Eurana.....	KJG	300, 450, 600.	PG	Walker, Armstrong & Co.	Marconi Co.
Evangeline.....	KII	300, 600..	PG	Evangeline Co.....	Marconi Co.
Excelsior.....	KKO	300, 465, 600.	PG	Southern Pacific Co..	Marconi Co.
Expansion.....	WOH	300, 600..	PG	North Alaska Salmon Co.	Vessel owner.
Explorer.....	NLI	300, 600..	O	Government.....	U. S. Dept. of Commerce.

## SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Service.	Owner of vessel (line).	Station controlled by—
F-1.....	NXU	300, 600..	PG	Government .....	U. S. Navy.
F-2.....	NXV	300, 600..	PG	.....do.....	U. S. Navy.
F-3.....	NXW	300, 600..	PG	.....do.....	U. S. Navy.
F-4.....	NXX	300, 600..	PG	.....do.....	U. S. Navy.
F. A. Kilburn .....	WRW	300, 600..	PG	North Pacific S. S. Co.	Marconi Co.
Fanning.....	NFM	300, 600..	PG	Government .....	U. S. Navy.
Farragut.....	NVS	300, 600..	PG	.....do.....	U. S. Navy.
Favorite.....	WCF	300, 600..	PG	Great Lakes Towing Co.	Marconi Co.
Fearless.....	WRP	300, 600..	PG	Ship Owners' & Merchants' Tug Boat Co.	Vessel owner.
Finland.....	KSF	300, 600..	PG	International Mercantile Marine Co. (Panama-Pacific Line).	Marconi Co.
Florence Luckenbach.	WNM	300, 600..	PG	Luckenbach Co. (Inc.).	Marconi Co.
Florida.....	KUS	300, 600..	PG	The Texas Co.....	Marconi Co.
Florida.....	NFR	300, 600..	PG	Government .....	U. S. Navy.
Floridian.....	WLR	300, 450, 600.	PG	American-Hawaiian S. S. Co.	Marconi Co.
Flusser.....	NFS	300, 600..	PG	Government .....	U. S. Navy.
Francis Hanify.....	KRA	300, 600..	PG	G. R. Hanify Co.....	Marconi Co.
Frank H. Buck.....	WTO	300, 600..	PG	Associated Oil Co....	Federal Telegraph Co.
Fred'k Luckenbach.	KGV	300, 600..	PG	Edgar F. Luckenbach.	Marconi Co.
G-1.....	NXY	300, 600..	PG	Government .....	U. S. Navy.
G-2.....	NXZ	300, 600..	PG	.....do.....	U. S. Navy.
G-3.....	NYA	300, 600..	PG	.....do.....	U. S. Navy.
G-4.....	NYB	300, 600..	PG	.....do.....	U. S. Navy.
Galatea.....	WGF	300, 600..	PG	E. L. Ford.....	Marconi Co.
Galveston.....	NGD	300, 600..	PG	Government .....	U. S. Navy.
Gargoyle.....	KRK	300, 450, 600.	PG	Vacuum Oil Co.....	Marconi Co.
General A. M. Randol.	WYJ	400.....	O	Government .....	U. S. Army.
General E. O. C. Ord.	WYF	600.....	O	.....do.....	U. S. Army.
General George H. Weeks.	WZT	1200.....	O	.....do.....	U. S. Army.
General G. W. Getty.	WYS	1200.....	O	.....do.....	U. S. Army.
General Harvey Brown.	WYK	400.....	O	.....do.....	U. S. Army.
General Henry J. Hunt.	WYD	600.....	O	.....do.....	U. S. Army.
General Henry Knox.	WYE	600.....	O	.....do.....	U. S. Army.
General J. M. Brannan.	WZV	1200.....	O	.....do.....	U. S. Army.
General John M. Schofield.	WXW	600.....	O	.....do.....	U. S. Army.
General Nathanael Greene.	WZR	1200.....	O	.....do.....	U. S. Army.
General R. B. Ayres.	WYL	600.....	O	.....do.....	U. S. Army.
General R. H. Jackson.	WYW	400.....	O	.....do.....	U. S. Army.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Serv-ice.	Owner of vessel (line).	Station controlled by—
General Richard Arnold.	WYY	1200.....	O	Government.....	U. S. Army.
General R. N. Batchelder.	WZW	1200.....	O	.....do.....	U. S. Army.
General Robert Anderson.	WYH	400.....	O	.....do.....	U. S. Army.
General Robert Swartout.	WYU	400.....	O	.....do.....	U. S. Army.
General Royal T. Frank.	WYA	600.....	O	.....do.....	U. S. Army.
General S. B. Holabird.	WYV	400.....	O	.....do.....	U. S. Army..
General S. N. Mills.	WYB	600.....	O	.....do.....	U. S. Army.
General Timothy Pickering.	WZQ	1200.....	O	.....do.....	U. S. Army.
George E. Paddleford.	WIV	300, 450, 600.	PG	Petroleum Transp. Co.	Marconi Co.
Geo. W. Elder.....	WRT	300, 600..	PG	North Pacific S. S. Co.	Marconi Co.
Georgia.....	KUR	300, 450, 600.	PG	Texas Co.....	Marconi Co.
Georgia.....	WFA	300, 600..	PG	Goodrich Transit Co.	Marconi Co.
Georgia.....	NGF	300, 600..	PG	Government.....	U. S. Navy.
Georgian.....	WKG	300, 600..	PG	American-Hawaiian S. S. Co.	Marconi Co.
Georgiana.....	KJE	300, 600..	.....	Walker, Armstrong & Co.	Marconi Co.
Gettysburg.....	WCK	300, 600..	.....	Moore & McCormick Co. (Inc.).	.....
Glacier.....	NGH	300, 600..	PG	Government.....	U. S. Navy.
Glenpool.....	KOH	300, 450, 600.	PG	Standard Oil Co. of N. J.	Vessel owner.
Gloucester.....	KQG	300, 450, 600.	PG	Merchants & Miners' Transp. Co.	Marconi Co.
Gloucester.....	NSL	300, 600..	.....	Government.....	U. S. Navy.
Goldsborough.....	NGJ	300, 600..	PG	.....do.....	U. S. Navy.
Gold Shell.....	WIB	300, 450, 600.	PG	Gold Shell S. S. Co..	Marconi Co.
Goliah.....	WPG	300, 600..	PG	Puget Sound Tug Boat Co.	Vessel owner.
Governor.....	WGR	300, 600..	PG	Pacific Coast S. S. Co.	Marconi Co.
Governor Cobb....	KRB	300, 600..	PG	Eastern S. S. Corp...	Marconi Co.
Governor Dingley.	KRV	300, 600..	PG	.....do.....	Marconi Co.
Gov. Forbes.....	WJA	300, 600..	PG	Ynchausti Co.....	Vessel owner.
Grace Dollar.....	WSF	300, 600..	PG	Grace Dollar S. S. Co.	Marconi Co.
Great Northern....	WIR	300, 450, 600.	PG	Great Northern Pacific S. S. Co.	Marconi Co.
Grecian.....	KQR	300, 450, 600.	PG	Merchants & Miners' Transp. Co.	Marconi Co.
Gresham.....	NRG	300, 600, 750.	PG	Government.....	U. S. C. G.
Guantanamo.....	KWN	300, 600..	PG	New York & Cuba Mail S. S. Co. (Ward Line).	Marconi Co.
Guardian.....	WGZ	300, 600..	PG	Central & South American Tele-graph Co.	Vessel owner.
Gulfcoast.....	KUE	300, 600..	PG	Gulf Refining Co....	Marconi Co.
Guiflight.....	KUA	300, 600..	PG	.....do.....	Marconi Co.
Gulfoil.....	KTG	300, 600..	PG	.....do.....	Marconi Co.
Gulfstream.....	KTB	300, 600..	PG	.....do.....	Marconi Co.



## SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Service.	Owner of vessel (line).	Station controlled by—
H-1.....	NYC	300, 600..	PG	Government.....	U. S. Navy.
H-2.....	NYD	300, 600..	PG	.....do.....	U. S. Navy.
H-3.....	NYE	300, 600..	PG	.....do.....	U. S. Navy.
Halcyon.....	KZL	300, 425, 600.	P	Dutee W. Flint.....	Vessel owner.
Hamilton.....	KOA	300, 450, 600.	PG	Old Dominion S. S. Co.	Marconi Co.
Hancock.....	NHI	300, 600..	PG	Government.....	U. S. Navy.
Hannibal.....	NGU	300, 600..	PG	.....do.....	U. S. Navy.
Harry Luckenbach..	KGX	300, 450, 600.	PG	Edgar F. Luckenbach	Marconi Co.
Harvard.....	WRH	300, 600..	PG	Metropolitan S. S. Co. (Pacific Steam Nav. Co.).	Federal Tele- graph Co.
Harvester. See The Harvester.					
Hattie Lucken- bach.	WNF	300, 600..	PG	Luckenbach Co. (Inc.).	Marconi Co.
Havana.....	KWH	300, 450, 600.	PG	N. Y. & Cuba Mail S. S. Co. (Ward Line).	Marconi Co.
Hawaiian.....	WKU	300, 600..	PG	American-Hawaiian S. S. Co.	Vessel owner.
Healdton.....	KOF	300, 600..	.....	Standard Oil Co. of N. J.	
Hector.....	NGX	300, 600..	PG	Government.....	U. S. Navy.
Helena.....	NGY	300, 600..	PG	.....do.....	U. S. Navy.
Henley.....	NHA	300, 600..	PG	.....do.....	U. S. Navy.
Henry J. Biddle...	WOW	300, 600..	PG	Columbia Contract Co	Vessel owner.
Henry M. Flagler..	KOX	300, 600..	PG	Florida East Coast Ry.	Marconi Co.
Henry T. Scott....	WRA	300, 600,	PG	California S. S. Co....	Marconi Co.
Henry Wilson.....	WZS	1200.	O	Government.....	U. S. Army.
Herbert G. Wylie..	WIF	300, 600..	PG	Petroleum Transport Co.	Marconi Co.
Hercules.....	WRP	300, 600..	PG	Ship Owners' & Merchants' Tug Boat Co.	Vessel owner.
Heredia.....	KDH	300, 600..	PG	Heredia S. S. Corp..	Tropical Ra- dio Tele- graph Co.
Herman Frasch....	KFH	300, 600..	PG	Union Sulphur Co....	Atlantic Com- munication Co.
Hermosa.....	WBP	300, 500, 600.	PR	Wilmington Transp. Co.	Marconi Co.
Hewitt.....	KIL	300, 600..	PG	Union Sulphur Co....	Vessel owner.
H. H. Rogers.....	KSI	300, 450, 600.	PG	Standard Oil Co. of N. J.	Marconi Co.
Hilonian.....	WMM	300, 600..	PG	Matson Nav. Co.....	Marconi Co.
Hiram B. Everest..	KRS	300, 600..	PG	Vacuum Oil Co.....	Marconi Co.
Holland.....	WDW	300, 600..	PG	Graham & Morton Transp. Co.	Marconi Co.
Honolulu.....	WKH	300, 600..	PG	American-Hawaiian S. S. Co.	Marconi Co.
Hopkins.....	NHC	300, 600..	PG	Government.....	U. S. Navy.
Howard.....	KQH	300, 450, 600.	PG	Merchants & Miners' Transp. Co.	Marconi Co.
Howick Hall.....	KLT	300, 600..	PG	U. S. Steel Products Co.	Marconi Co.
Hull.....	NHE	300, 600..	PG	Government.....	U. S. Navy.
Humboldt.....	WHX	300, 600..	PG	Humboldt S. S. Co....	Marconi Co.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Serv-ice.	Owner of vessel (line).	Station controlled by—
Huron.....	KVH	300, 450, 600.	PG	Clyde S. S. Co.....	Marconi Co.
Hyades.....	WMK	300, 600..	PG	Matson Nav. Co. ....	Marconi Co.
Iaqua.....	WLI	300, 600..	PG	John A. McGregor...	Marconi Co.
I. D. Fletcher.....	KFI	300, 600..	PG	Coast Transit Co.....	Marconi Co.
Illinois.....	WCZ	300, 600..	PG	Northern Michigan Transp. Co.	Marconi Co.
Illinois.....	KTH	300, 450, 600.	PG	Texas S. S. Co.....	Marconi Co.
Illinois.....	NHO	300, 600..	PG	Government.....	U. S. Navy.
Inco No. 1.....	WQA	300, 450, 600.	PG	Inland Nav. Co.....	Marconi Co.
Indiana.....	WFC	300, 600..	PG	Goodrich Transit Co..	Marconi Co.
Indiana.....	NHQ	300, 600..	PG	Government.....	U. S. Navy.
Iowa.....	NHT	600.....	PG	.....do.....	U. S. Navy.
Iowan.....	WKJ	300, 600..	PG	American-Hawaiian S. S. Co.	Vessel owner.
Iris.....	NHU	300, 600..	PG	Government.....	U. S. Navy.
Iroquois.....	KVF	300, 450, 600.	PG	Clyde S. S. Co.....	Marconi Co.
Iroquois.....	NHV	300, 600..	PG	Government.....	U. S. Navy.
Isla de Luzon.....	NQJ	300, 600..	PG	.....do.....	U. S. Navy.
Isthmian.....	WKI	300, 600..	PG	American-Hawaiian S. S. Co.	Vessel owner.
Itasca.....	NRI	300, 600..	PG	Government.....	U. S. C. G.
J. A. Chanslor.....	WTK	300, 600, 1800.	PG	Associated Oil Co....	Federal Tele- graph Co.
Jacob Jones.....	NKG	300, 600..	PG	Government.....	U. S. Navy.
Jamestown.....	KOC	300, 450, 600.	PG	Old Dominion S. S. Co.	Marconi Co.
J. A. Moffett.....	WRE	300, 600..	PG	Standard Oil Co. of Cal.	Marconi Co.
Jarvis.....	NIB	300, 600..	PG	Government.....	U. S. Navy.
Jason.....	NNB	300, 600..	PG	.....do.....	U. S. Navy.
J. B. Stetson.....	WRC	300, 600..	PG	Hicks-Hauptman Nav. Co.	Marconi Co.
Jefferson.....	KOD	300, 600..	PG	Old Dominion S. S. Co.	Marconi Co.
Jefferson.....	WAJ	300, 600..	PG	Alaaka S. S. Co.....	Vessel owner.
Jenkins.....	NID	300, 600..	PG	Government.....	U. S. Navy.
Jim Butler.....	WIL	300, 600..	PG	Olson and Mahony...	Marconi Co.
J. L. Luckenbach..	KGT	300, 600..	PG	Luckenbach Co. (Inc.).	Marconi Co.
J. M. Danziger.....	WIW	300, 450, 600.	PG	Petroleum Transp.Co	Marconi Co.
J. M. Guffey.....	KTF	300, 600..	PG	Gulf Refining Co. ...	Marconi Co.
John A. Hooper.....	WSJ	300, 600..	PG	John A. Hooper Co..	Marconi Co.
John D. Archbold..	WTK	300, 600..	PG	Standard Oil Co. of N. J.	Marconi Co.
John D. Rockefeller.	KTO	300, 600..	PG	.....do.....	Marconi Co.
Joseph Henry.....	WXT	600.....	O	Government.....	U. S. Army.
Josephine.....	KZU	.....	PG	Joseph Widener....	Vessel owner.
Joseph Pulitzer....	WPZ	300, 450, 525, 600.	PG	Port of Portland, Oreg.	Vessel owner.
Jouett.....	NIE	300, 600..	PG	Government.....	U. S. Navy.
Juniata.....	KQJ	300, 450, 600.	PG	Merchants & Miners' Transp. Co.	Marconi Co.
Juniata.....	WCB	300, 600..	PG	Erie & Western Transp. Co (Anchor Line).	Marconi Co.

## SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Service.	Owner of vessel (line).	Station controlled by—
Jupiter.....	NNC	300, 600..	PG	Government.....	U. S. Navy.
Justin.....	NNJ	300, 600..	PG	.....do.....	U. S. Navy.
K-1.....	NYF	300, 600..	PG	Government.....	U. S. Navy.
K-2.....	NYG	300, 600..	PG	.....do.....	U. S. Navy.
K-3.....	NYH	300, 600..	PG	.....do.....	U. S. Navy.
K-4.....	NYI	300, 600..	PG	.....do.....	U. S. Navy.
K-5.....	NYJ	300, 600..	PG	.....do.....	U. S. Navy.
K-6.....	NYK	300, 600..	PG	.....do.....	U. S. Navy.
K-7.....	NYL	300, 600..	PG	.....do.....	U. S. Navy.
K-8.....	NYM	300, 600..	PG	.....do.....	U. S. Navy.
Kansas.....	WKK	300, 600..	PG	American-Hawaiian S. S. Co.	Vessel owner.
Kansas.....	NIO	300, 600..	PG	Government.....	U. S. Navy.
Karina.....	KYR	.....	.....	Theodore P. Burgess.	.....
Kearsarge.....	NIP	300, 600..	PG	Government.....	U. S. Navy.
Kentra.....	KLN	300, 600..	PG	U. S. Steel Products Co.	Marconi Co.
Kentuckian.....	WKE	300, 600..	PG	American-Hawaiian S. S. Co.	Vessel owner.
Kentucky.....	NIQ	300, 600..	PG	Government.....	U. S. Navy.
Kershaw.....	KQK	300, 450, 600.	PG	Merchants & Miners' Transp. Co.	Marconi Co.
Kilpatrick.....	WXD	600.....	PG	Government.....	U. S. Army.
Klamath.....	WSX	300, 600..	PG	Klamath S. S. Co.....	Marconi Co.
Korea.....	WWK	300, 600..	PG	Atlantic Transport Co.	Marconi Co.
Kroonland.....	KSH	300, 600..	PG	International Mercan- tile Marine Co. (Pan- ama-Pacific Line).	Marconi Co.
Kukui.....	NLF	300, 600..	O	Government.....	U. S. Dept. of Commerce.
Kvichak.....	WNS	300, 600..	PG	Alaska Packers' Asso- ciation.	Vessel owner.
La Brea.....	WON	300, 600, 1800.	PG	Union Oil Co.....	Federal Tele- graph Co.
Lakeland.....	WDL	300, 600..	PG	Port Huron & Du- luth S. S. Co.	Marconi Co.
Lakeport.....	WDJ	300, 600..	PG	.....do.....	Marconi Co.
Lakewood.....	WDK	300, 600..	PG	.....do.....	Marconi Co.
Lampasas.....	KEP	300, 450, 600.	PG	Mallory S. S. Co.....	Marconi Co.
Lamson.....	NIW	300, 600..	PG	Government.....	U. S. Navy.
Lansing.....	WTC	300, 600..	PG	Union S. S. Co.....	Federal Tele- graph Co.
Larimer.....	KTA	300, 600..	PG	Gulf Refining Co.....	Marconi Co.
Latouche.....	WAI	300, 600..	PG	Alaska S. S. Co.....	Vessel owner.
Lawrence.....	NIY	300, 600..	PG	Government.....	U. S. Navy.
Lebanon.....	NIZ	300, 600..	PG	.....do.....	U. S. Navy.
Lenape.....	KVL	300, 450, 600.	PG	Clyde S. S. Co.....	Marconi Co.
Leonidas.....	NNH	300, 600..	PG	Government.....	U. S. Navy.
Lewis Luckenbach.	WNH	.....	.....	Luckenbach Co. (Inc.)	Marconi Co.
Lexington.....	KNB	300, 550, 600.	PG	Colonial Nav. Co.....	Nat. Elec. Sig- naling Co.
Lieut. Geo. M. Harris.	WYR	400.....	O	Government.....	U. S. Army.
Ligonier.....	KTD	300, 600..	PG	Gulf Refining Co.....	Marconi Co.
Liscum.....	WXE	600.....	PG	Government.....	U. S. Army.
Logan.....	WNF	600.....	PG	.....do.....	U. S. Army.
Los Angeles.....	WOL	300, 600, 1800.	PG	Union Oil Co.....	Federal Tele- graph Co.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Service.	Owner of vessel (line).	Station controlled by—
Louisiana.....	KUL	300, 450, 600.	PG	The Texas Co.....	Marconi Co.
Louisiana.....	NJB	300, 600..	PG	Government.....	U. S. Navy.
L. Roscoe.....	NZX	300, 600, 750.	O	.....do.....	Alaskan Engineering Commission.
Lurline.....	WML	300, 450, 600.	PG	Matson Nav. Co.....	Marconi Co.
Lydonia.....	WDY	300, 600..	PG	W. A. Lydon.....	Marconi Co.
Lyman Stewart....	WTL	300, 600, 1800.	PG	Union Oil Co.....	Federal Telegraph Co.
Lysistrata.....	KYL	300, 600..	PG	James G. Bennett....	Vessel owner.
Macdonough.....	NJH	300, 600..	PG	Government.....	U. S. Navy.
Machias.....	NQL	300, 600..	PG	.....do.....	U. S. Navy.
Mackinaw.....	WHW	300, 600..	PG	George & James Flood.	Vessel owner.
Macona.....	KFC	300, 450, 600.	PG	Barber & Co. (Inc.)..	Marconi Co.
Madison.....	KOG	300, 450, 600.	PG	Old Dominion S. S. Co.	Marconi Co.
Maine.....	KXD	300, 450, 500, 550, 600.	PG	New England S. S. Co.	Nat. Elec. Signaling Co.
Maine.....	NJL	300, 600..	PG	Government.....	U. S. Navy.
Major Albert G. Forse.	WYQ	1200.....	O	.....do.....	U. S. Army.
Major Evan Thomas.	WYO	300.....	O	.....do.....	U. S. Army.
Major Samuel Ringgold.	WYC	300.....	O	.....do.....	U. S. Army.
Manchuria.....	WWE	300, 600..	PG	Atlantic Transport Co.	Marconi Co.
Manitou.....	WFW	300, 600..	PG	Northern Michigan Transp. Co.	Marconi Co.
Manning.....	NRN	300, 600..	PG	Government.....	U. S. C. G.
Manoa.....	WMQ	300, 450, *600.	PG	Matson Nav. Co.....	Marconi Co.
Maracaibo.....	KDM	300, 450, 600.	PG	Atlantic & Caribbean Steam Nav. Co. (Red D Line).	Marconi Co.
Marblehead.....	NGK	300, 600..	.....	Government.....	.....
Marietta.....	NJQ	300, 600..	PG	.....do.....	U. S. Navy.
Marquette & Bessemer No. 1.	WEW	300, 425, 540, 600.	PR	Marquette & Bessemer Dock & Nav. Co.	Vessel owner.
Marquette & Bessemer No. 2.	WEX	300, 425, 540, 600.	PR	.....do.....	Vessel owner.
Mars.....	NJR	300, 600..	PG	Government.....	U. S. Navy.
Maryland.....	NJS	300, 600..	PG	.....do.....	U. S. Navy.
Mascotte.....	KOW	300, 600..	PG	Peninsular & Occidental S. S. Co.	Marconi Co.
Massachusetts.....	KJM	300, 600..	PG	Eastern S. S. Corp....	Marconi Co.
Massachusetts.....	NJT	300, 600..	PG	Government.....	U. S. Navy.
Matinicock.....	KID	300, 600..	PG	Standard Oil Co. of N. J.	Marconi Co.
Matsonia.....	WMP	300, 450, 600.	PG	Matson Nav. Co.....	Marconi Co.
Maverick.....	WTW	.....	.....	Standard Oil Co. of Cal.	.....

## SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Service.	Owner of vessel (line).	Station controlled by—
Mayflower.....	NJV	300, 600..	PG	Government.....	U. S. Navy.
Mayrant.....	NJU	300, 600..	PG	do.....	U. S. Navy.
McCall.....	NJW	300, 600..	PG	do.....	U. S. Navy.
McClellan.....	WXH	600.....	PG	do.....	U. S. Army.
McCulloch.....	NRH	300, 600..	PG	do.....	U. S. C. G.
McDougal.....	NIT	300, 600..	PG	do.....	U. S. Navy.
Meade.....	WXG	600.....	PG	do.....	U. S. Army.
Medina.....	KEI	300, 450, 600.	PG	Mallory S. S. Co.....	Marconi Co.
Merrimack.....	KQM	300, 450, 600.	PG	Merchants & Miners' Transp. Co.	Marconi Co.
Merritt.....	WXI	600.....	PG	Government.....	U. S. Army.
Metapan.....	KLF	300, 600..	PG	Metapan S. S. Corp..	Tropical Radio Tele- graph Co.
Mexican.....	WKL	300, 600..	PG	American-Hawaiian S. S. Co.	Vessel owner.
Mexicano.....	KGM	300, 600..	PG	Pierce Oil Corp.....	Marconi Co.
Mexico.....	KWX	300, 450, 600.	PG	N. Y. & Cuba Mail S. S. Co. (Ward Line).	Marconi Co.
Miami.....	KOZ	300, 600..	PG	Peninsular & Occi- dental S. S. Co.	Marconi Co.
Miami.....	NRQ	300, 600, 750.	PG	Government.....	U. S. C. G.
Michigan.....	NJZ	300, 600..	PG	do.....	U. S. Navy.
Mielerio.....	KNT	300, 600..	PG	Cuba Distilling Co... A. H. Bull S. S. Co..	Marconi Co.
Millinocket.....	KNM	300, 600..	PG	Ogden Mills.....	Marconi Co.
Mills.....	KRR	300, 600..	PG	Government.....	U. S. Navy.
Milwaukee.....	NFB	300, 600..	PG	do.....	U. S. Navy.
Minneapolis.....	NGB	300, 600..	PG	Lake Michigan Transp. Co.	Marconi Co.
Minnesota.....	WEK	300, 600..	PG	Great Northern S. S. Co.	Marconi Co.
Minnesota.....	NKD	300, 600..	PG	Government.....	U. S. Navy.
Minnesotan.....	WKM	300, 600..	PG	American-Hawaiian S. S. Co.	Marconi Co.
Missouri.....	WFX	300, 600..	PG	Northern Michigan S. S. Co.	Marconi Co.
Missouri.....	NKF	300, 600..	PG	Government.....	U. S. Navy.
Missourian.....	WXX	300, 600..	PG	American-Hawaiian S. S. Co.	Vessel owner.
Mohawk.....	KVM	300, 450, 600.	PG	Clyde S. S. Co.....	Marconi Co.
Mohawk.....	KXE	300, 550, 600.	PG	New England S. S. Co.	Nat. Elec. Sig- naling Co.
Mohawk.....	KYU	300.....	P	Ralph E. Barry.....	Vessel owner.
Mohawk.....	NRM	300, 600..	PG	Government.....	U. S. C. G.
Mohegan.....	KXM	300, 550, 600.	PG	New England S. S. Co.	Nat. Elec. Sig- naling Co.
Momus.....	KKM	300, 450, 600.	PG	Southern Pacific Co..	Marconi Co.
Monadnock.....	NHD	300, 600..	PG	Government.....	U. S. Navy.
Monaghan.....	NKL	300, 600..	PG	do.....	U. S. Navy.
Mongolia.....	WWN	300, 600..	PG	Atlantic Transport Co.	Marconi Co.
Monocacy.....	NQQ	300, 600..	PG	Government.....	U. S. Navy.
Montana.....	NKM	300, 600..	PG	do.....	U. S. Navy.
Montanan.....	WKN	300, 600..	PG	American-Hawaiian S. S. Co.	Vessel owner.

## SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Service.	Owner of vessel (line).	Station controlled by—
Monterey.....	KWY	300, 450, 600.	PG	N. Y. & Cuba Mail S. S. Co. (Ward Line).	Marconi Co.
Monterey.....	NKN	300, 600..	PG	Government.....	U. S. Navy.
Montgomery.....	NKO	300, 600..	PG	do.....	U. S. Navy.
Moonlite.....	KPL	300, 600..	PG	Standard Oil Co. of N. J.	Marconi Co.
Mooremack.....	WCL	300, 600..	.....	Moore & McCormick Co.	
Moreni.....	KNX	300, 600..	PG	Standard Oil Co. of N. J.	Vessel owner.
Morrill.....	NRC	300, 600..	PG	Government.....	U. S. C. G.
Morro Castle.....	KWC	300, 450, 600.	PG	N. Y. & Cuba Mail S. S. Co. (Ward Line).	Marconi Co.
Motano.....	KSB	300, 600..	PG	Standard Oil Co. of N. J.	Vessel owner.
Mount Hope.....	KOL	300, 600..	P	Providence, Fall River & Newport Steamboat Co.	Vessel owner.
Multnomah.....	WMA	300, 600..	PG	Multnomah S. S. Co..	Marconi Co.
Munamar.....	KUI	300, 600..	PG	Munson S. S. Co.....	Marconi Co.
Munplace.....	KUG	300, 450, 600.	PG	do.....	Marconi Co.
Munsomo.....	KUK	300, 450, 600.	PG	do.....	Marconi Co.
Munwood.....	KUH	300, 600..	PG	do.....	Marconi Co.
Muskogee.....	KIB	300, 600..	PG	Standard Oil Co. of N. J.	Marconi Co.
Nacoochee.....	KFP	300, 600..	PG	Ocean S. S. Co. (Sa- vannah Line).	Marconi Co.
Nann Smith.....	WBO	300, 600..	PG	Inter-Ocean Transp. Co.	Marconi Co.
Nanshan.....	NNK	300, 600..	PG	Government.....	U. S. Navy.
Nantucket.....	KQN	300, 450, 600.	PG	Merchants & Miners' Transp. Co.	Marconi Co.
Nashville.....	NKY	300, 600..	PG	Government.....	U. S. Navy.
Navahoe.....	KOR	300, 600..	.....	R. Lawrence Smith, (Inc.)	Marconi Co.
Navajo.....	WNJ	300, 600..	PG	Navajo S. S. Co.....	Marconi Co.
Navajo.....	NKZ	300, 600..	PG	Government.....	U. S. Navy.
Navesink.....	WXU	400, 600, 800.	O	do.....	U. S. Army.
Nebraska.....	NMA	300, 600..	PG	do.....	U. S. Navy.
Neches.....	KEE	300, 450, 600.	PG	Mallory S. S. Co.....	Marconi Co.
Nelson.....	KNL	300, 600..	PG	Cuba Distilling Co... Government.....	Marconi Co. U. S. Navy.
Neptune.....	NMS	300, 600..	PG	do.....	U. S. Navy.
Nereus.....	NNF	300, 600..	PG	do.....	U. S. Navy.
Nero.....	NMB	300, 600..	PG	do.....	U. S. Navy.
Nevada.....	WFD	300, 600..	PG	Goodrich Transit Co.	Marconi Co.
New Hampshire... .....	KXF	300, 550, 600.	PG	New England S. S. Co.	Nat. Elec. Sig- naling Co.
New Hampshire... .....	NME	300, 600..	PG	Government.....	U. S. Navy.
New Haven.....	KXN	300, 550, 600.	PG	New England S. S. Co.	Nat. Elec. Sig- naling Co.
New Jersey.....	NMF	300, 600..	PG	Government.....	U. S. Navy.
New Orleans.....	NMG	300, 600..	PG	do.....	U. S. Navy.
Newport.....	NMH	300, 600..	PG	do.....	U. S. Navy.
Newport.....	WWH	300, 600..	PG	Pacific Mail S. S. Co.	Marconi Co.

## SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Service.	Owner of vessel (line).	Station controlled by—
New York.....	KSN	300, 600..	PG	International Mercantile Marine Co. (American Line).	Marconi Co.
New York.....	NCC	300, 600..	PG	Government.....	U. S. Navy.
New York.....	KUW	300, 450, 600.	PG	The Texas Co.....	Marconi Co.
Niagara.....	KYN	300, 600..	PG	Howard Gould.....	Marconi Co.
Nicholson.....	NIU	300, 600..	PG	Government.....	U. S. Navy.
Nokomis.....	WCW	300, 600..	PG	Horace E. Dodge.....	Marconi Co.
Noma.....	KYO	300, 600..	PG	Vincent Astor.....	Marconi Co.
Norman Bridge...	WIG	300, 600..	PG	Petroleum Transp. Co.	Marconi Co.
North American...	WEN	300, 600..	PG	Chicago, Duluth & Georgian Bay S. S. Co.	Marconi Co.
North Carolina...	NMN	300, 600..	PG	Government.....	U. S. Navy.
North Dakota.....	NMO	300, 600..	PG	do.....	U. S. Navy.
Northern Pacific...	WIM	300, 465, 600.	PG	Great Northern Pacific S. S. Co.	Marconi Co.
North Land.....	WCN	300, 600..	PG	Northern S. S. Co....	Marconi Co.
North Land.....	KJD	300, 600..	PG	Eastern S. S. Corp....	Marconi Co.
North Star.....	KJS	300, 600..	PG	do.....	Marconi Co.
Northwestern.....	KUO	300, 600..	PG	The Texas Co.....	Marconi Co.
Northwestern.....	WAN	300, 600..	PG	Alaska S. S. Co.....	Vessel owner.
North Wind.....	KYB	300.	P	Charles Martin Clark.	Vessel owner.
Norwood.....	WSG	300, 450, 525, 600.	PG	Pacific-American Fisheries Co.	Vessel owner.
Nueces.....	KEH	300, 600..	PG	Mallory S. S. Co....	Marconi Co.
Nushagak.....	WNE	300, 400, 500, 600.	PG	Alaska Packers' Association.	Vessel owner.
O'Brien.....	NIV	300, 600..	PG	Government.....	U. S. Navy.
Octorara.....	WCD	300, 600..	PG	Erie & Western Transp. Co. (Anchor Line).	Marconi Co.
Ohio.....	NMW	300, 600..	PG	Government.....	U. S. Navy.
Ohioan.....	WKQ	300, 600..	PG	American-Hawaiian S. S. Co.	Vessel owner.
Old Colony.....	KJO	300, 600..	PG	Eastern S. S. Corp....	Marconi Co.
Oleum.....	WTD	300, 600, 1800.	PG	Union Oil Co.....	Federal Telegraph Co.
Olivette.....	KOV	300, 450, 600.	PG	Peninsular & Occidental S. S. Co.	Marconi Co.
Onega.....	KGU	300, 600..	PG	Barber & Co. (Inc.)	Marconi Co.
Oneida.....	KYP	300, 550, 600.	P	E. C. Benedict.....	Vessel owner.
Oneonta.....	WPX	300, 600..	PG	Port of Portland, Ore.	Marconi Co.
Onondaga.....	NRO	300, 600, 750.	PG	Government.....	U. S. C. G.
Ontario.....	KQO	300, 600..	PG	Merchants & Miners' Transp. Co.	Marconi Co.
Ontario.....	NTA	300, 600..	PG	Government.....	U. S. Navy.
Oregon.....	NMZ	300, 600..	PG	do.....	U. S. Navy.
Oregon.....	WOU	300, 600..	PG	Crowley Launch & Tugboat Co.	Marconi Co.
Oregonian.....	WKO	300, 600..	PG	American-Hawaiian S. S. Co.	Vessel owner.
Orion.....	NOC	300, 600..	PG	Government.....	U. S. Navy.
Orleanian.....	KON	300, 600..	PG	R. Lawrence Smith (Inc.).	Marconi Co.
Osecola.....	NOA	300, 600..	PG	Government.....	U. S. Navy.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Serv-ice.	Owner of vessel (line).	Station controlled by—
Ossipee .....	NRJ	300, 600, 750, 1000.	PG	Government .....	U. S. C. G.
Ozark .....	NHH	300, 600..	PG	.....do.....	U. S. Navy.
Paducah.....	NOG	300, 600..	PG	.....do.....	U. S. Navy.
Palos.....	NQS	300, 600..	PG	.....do.....	U. S. Navy.
Pamlico.....	NRR	300, 600..	PG	.....do.....	U. S. C. G.
Pampanga.....	NQT	300, 600..	PG	.....do.....	U. S. Navy.
Panama.....	KMH	300, 450, 600.	PG	Panama R. R. Co....	Vessel owner.
Panaman.....	WKR	300, 600..	PG	American-Hawaiian S. S. Co.	Vessel owner.
Pan American.....	KUT	300, 450, 600.	PG	The Texas Co.....	Marconi Co.
Panther.....	NOJ	300, 600..	PG	Government.....	U. S. Navy.
Panuco.....	KMM	300, 600..	PG	Freeport & Tampico Fuel Oil Transp. Corp.	Marconi Co.
Paraguay.....	KTU	300, 600..	PG	Sun Co.....	Marconi Co.
Paraiso.....	WRI	300, 600..	PG	Craig Shipbuilding Co.	Marconi Co.
Parismina.....	KDG	300, 600..	PG	Parismina S. S. Corp..	Tropical Ra- dio Tele- graph Co.
Parker.....	NIX	300, 600..	PG	Government.....	U. S. Navy.
Pastores.....	KLA	300, 600..	PG	Pastores S. S. Corp..	Tropical Ra- dio Tele- graph Co.
Patapsco.....	NOL	600.....	.....	Government.....	U. S. Navy.
Pathfinder.....	NLJ	300, 600..	O	.....do.....	U. S. Dept. of Commerce.
Patterson.....	NLH	300, 600..	O	.....do.....	U. S. Dept. of Commerce.
Patterson.....	NOK	300, 600..	PG	.....do.....	U. S. Navy.
Patuxent.....	NOM	300, 600..	PG	.....do.....	U. S. Navy.
Paulding.....	NOM	300, 600..	PG	.....do.....	U. S. Navy.
Paul Jones.....	NOP	300, 600..	PG	.....do.....	U. S. Navy.
Pearl Shell.....	WIC	300, 600..	.....	Pearl Shell S. S. Co..	Marconi Co.
Pennsylvania.....	WWI	300, 600..	PG	Pacific Mail S. S. Co..	Marconi Co.
Pennsylvanian.....	WKP	300, 600..	PG	American-Hawaiian S. S. Co.	Vessel owner.
Peoria.....	NOW	300, 600..	PG	Government.....	U. S. Navy.
Pequonnock.....	KXP	300, 550, 600.	PG	New England S. S. Co.	Nat. Elec. Sig- naling Co.
Pere Marquette....	WDA	300, 600..	PG	Pere Marquette R. R. Co.	Marconi Co.
Pere Marquette 17..	WDC	300, 600..	PG	.....do.....	Marconi Co.
Pere Marquette 18..	WDD	300, 500, 600.	PG	.....do.....	Marconi Co.
Pere Marquette 19..	WDB	300, 500, 600.	PG	.....do.....	Marconi Co.
Pere Marquette 20..	WDE	300, 500, 600.	PG	.....do.....	Marconi Co.
Perfection.....	KTN	300, 600..	PG	Standard Transpor- tation Co.	Marconi Co.
Perkins.....	NOX	300, 600..	PG	Government.....	U. S. Navy.
Perry.....	NOY	300, 600..	PG	.....do.....	U. S. Navy.
Persian.....	KQX	300, 600..	PG	Merchants & Miners' Transp. Co.	Marconi Co.
Peru.....	WWJ	300, 600..	PG	Pacific Mail S. S. Co..	Marconi Co.
Petoskey.....	WDH	300, 600..	PG	Chicago & South Ha- ven S. S. Co.	Marconi Co.



## SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Serv-ice.	Owner of vessel (line).	Station controlled by—
Petrel.....	NOZ	300, 600.	PG	Government.....	U. S. Navy.
Petrolite.....	KIF	300, 425, 600.	PG	Standard Oil Co. of N. J.	Vessel owner.
Philadelphia.....	KDA	300, 450, 600.	PG	Atlantic & Carib- bean Steam Nav. Co. (Red D Line).	Marconi Co.
Philadelphia.....	KSM	300, 600..	PG	International Merc- antile Marine Co. (American Line).	Marconi Co.
Pioneer.....	KIG	300, 600..	PG	Standard Oil Co. of N. J.	Vessel owner.
Pioneer.....	WPN	300, 600..	PG	Puget Sound Tug Boat Co.	Vessel owner.
Pittsburgh.....	NOT	300, 600..	PG	Government.....	U. S. Navy.
Platuria.....	KSE	300, 600..	PG	Standard Oil Co. of N. J.	Marconi Co.
Pleiades.....	WNP	300, 600..	PG	Edgar F. Lucken- bach.	Marconi Co.
Plymouth.....	KXH	300, 550, 600.	PG	New England S. S. Co.	Nat. Elec. Sig- naling Co.
Polarine.....	KOI	300, 450, 600.	PG	Standard Oil Co. of N. J.	Vessel owner.
Pompey.....	NQF	300, 600..	PG	Government.....	U. S. Navy.
Ponce.....	KGP	300, 450, 600.	PG	New York & Porto Rico S. S. Co.	Marconi Co.
Portland.....	WNV	300, 600..	PG	Nyno Line (Inc.)....	Vessel owner.
Potomac.....	NQK	300, 600..	PG	Government.....	U. S. Navy.
Powhatan.....	KQY	300, 450, 600.	PG	Merchants & Miners' Transp. Co.	Marconi Co.
Prairie.....	NQM	300, 600..	PG	Government.....	U. S. Navy.
Preble.....	NQN	300, 600..	PG	do.....	U. S. Navy.
President.....	WGP	300, 600..	PG	Pacific Coast S. S. Co.	Marconi Co.
Preston.....	NQO	300, 600..	PG	Government.....	U. S. Navy.
Princess Anne.....	KOB	300, 450, 600.	PG	Old Dominion S. S. Co.	Marconi Co.
Princeton.....	KST	300, 600..	PG	Standard Oil Co. of N. J.	Marconi Co.
Princeton.....	NQP	300, 600..	PG	Government.....	U. S. Navy.
Priscilla.....	KXI	300, 550, 600.	PG	New England S. S. Co.	Nat. Elec. Sig- naling Co.
Prometheus.....	NQR	300, 600..	PG	Government.....	U. S. Navy.
Proteus.....	KKP	300, 450, 600.	PG	Southern Pacific Co..	Marconi Co.
Proteus.....	NNG	300, 600..	PG	Government.....	U. S. Navy.
Providence.....	KXJ	300, 550, 600.	PG	New England S. S. Co.	Nat. Elec. Sig- naling Co.
Providencia.....	WIK	300, 600..	PG	Olson & Mahony....	Golden Gate Transp. Co.
Puritan.....	WDU	300, 600..	PG	Graham & Morton Transp. Co.	Marconi Co.
Quantico.....	KQQ	300, 450, 600.	PG	Merchants & Miners Transp. Co.	Marconi Co.
Queen.....	WGX	300, 600..	PG	Pacific Coast S. S. Co.	Marconi Co.
Radiant.....	KTR	300, 600..	PG	Standard Transporta- tion Co.	Marconi Co.
Rainbow.....	NTD	300, 600..	PG	Government.....	U. S. Navy.
Raleigh.....	NTE	300, 600..	PG	do.....	U. S. Navy.
Ranger.....	NFU	300, 600..	PG	do.....	U. S. Navy.
Ravalli.....	WGI	300, 600..	PG	Pacific Coast S. S. Co.	Marconi Co.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Serv-ice.	Owner of vessel (line).	Station controlled by—
Rayo.....	KTL	300, 600..	PG	Standard Transporta- tion Co.	Atlantic Com- munication Co.
Redondo.....	WBM	300, 600..	PG	Alaska S. S. Co.....	Vessel owner.
Reid.....	NTU	300, 600..	PG	Government.....	U. S. Navy.
Relay.....	KVZ	300, 600..	P	Mexican Telegraph Co.	Vessel owner.
Relief.....	KRJ	300, 600..	PG	Merritt & Chapman Derrick & Wreck- ing Co.	Vessel owner.
Remlik.....	KZR	300, 600..	PG	Willis S. Kilmer....	Vessel owner.
Reno.....	WYN	300.....	O	Government.....	U. S. Army.
Republic.....	WSU	300, 600..	PG	John A. Hooper.....	Marconi Co.
Rescue.....	KRP	300, 600..	PG	Merritt & Chapman Derrick & Wreck- ing Co.	Vessel owner.
Restorer.....	WIU	250, 300, 600.	P	Commercial Pacific Cable Co.	Vessel owner.
Rucee.....	WSR	300, 525, 600.	PG	Columbia River Packers' Assn.	Vessel owner.
Rhode Island.....	NTX	300, 600..	PG	Government.....	U. S. Navy.
Richard.....	WLG	300, 600..	PG	Richard Hulett & Son.	
Richard Peck.....	KXR	300, 450, 500, 550, 600.	PG	New England S. S. Co.	Nat. Elec. Sig- naling Co.
Richmond.....	WTR	300, 600..	PG	Standard Oil Co. of Cal.	Marconi Co.
Rio Grande.....	KEG	300, 600..	PG	Mallory S. S. Co.....	Marconi Co.
Roamer.....	KZN	300, 450, 600.	PG	State of Florida.....	Vessel owner.
Rochester.....	KDY	300, 450, 600.	PG	Vacuum Oil Co.....	Marconi Co.
Rockingham.....	WKY	300, 450, 600.	PG	Garland S. S. Corp....	Marconi Co.
Roe.....	NTZ	300, 600..	PG	Government.....	U. S. Navy.
Roosevelt.....	NLR	300, 600..	O	.....do.....	U. S. Dept. of Commerce.
Rose City.....	WWR	300, 600..	PG	San Francisco & Portland S. S. Co.	Marconi Co.
Royal Arrow.....	KSW	300, 450, 600.	PG	Standard Transp. Co.	Marconi Co.
Sabine.....	KEB	300, 450, 600.	PG	Mallory S. S. Co.....	Marconi Co.
Sacramento.....	NQV	300, 600..	PG	Government.....	U. S. Navy.
Salem.....	NTP	300, 600..	PG	.....do.....	U. S. Navy.
Samson.....	WOS	300, 600..	PG	Columbia Contract Co.	Vessel owner.
San Francisco.....	KRT	300, 600..	PG	U. S. Steel Products Co.	Marconi Co.
San Francisco.....	NTQ	300, 600..	PG	Government.....	U. S. Navy.
San Jacinto.....	KES	300, 450, 600.	PG	Mallory S. S. Co.....	Marconi Co.
San Jose.....	WWL	300, 600..	PG	Pacific Mail S. S. Co..	Marconi Co.
San Juan.....	KGJ	300, 450, 600.	PG	New York & Porto Rico S. S. Co.	Marconi Co.
San Juan.....	WWM	300, 600..	PG	Pacific Mail S. S. Co.	Marconi Co.
San Marcos.....	KEK	300, 600..	PG	Mallory S. S. Co.....	Marconi Co.
San Mateo.....	KLV	300, 600..	PG	San Mateo S. S. Corp.	Tropical Ra- dio Tele- graph Co.
San Ramon.....	WNW	300, 600..	PG	Parr-McCormick S. S. Co.	Marconi Co.

## SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Service.	Owner of vessel (line).	Station controlled by—
Santa Ana.....	WAL	300, 600..	PG	Alaska S. S. Co. ....	Vessel owner.
Santa Barbara.....	WBJ	300, 450, 600.	PG	Atlantic & Pacific S. S. Co.	Marconi Co.
Santa Catalina....	WBC	300, 600..	PG	.....do.....	Marconi Co.
Santa Cecilia.....	WBB	300, 600..	PG	.....do.....	Marconi Co.
Santa Clara.....	WBA	300, 600..	PG	.....do.....	Marconi Co.
Santa Cruz.....	WBD	300, 600..	PG	.....do.....	Marconi Co.
Santa Maria.....	WTF	300, 600..	PG	Santa Maria S. S. Co.	Federal Tele- graph Co.
Santa Marta.....	KLG	300, 600..	PG	Santa Marta S. S. Corp.	Tropical Ra- dio Tele- graph Co.
Santanta.....	KZS	300, 600..	P	Osborne Howes.....	Vessel owner.
Santa Rita.....	WMC	300, 525, 600.	PG	W. R. Grace & Co...	Vessel owner.
Santa Rita.....	WTG	300, 600..	PG	Sun Co.....	Marconi Co.
Santa Rosalia.....	KLO	300, 600..	PG	U. S. Steel Products Co.	Marconi Co.
Santiago.....	KWE	300, 600..	PG	N. Y. & Cuba Mail S. S. Co. (Ward Line).	Marconi Co.
Saramacca.....	KLH	300, 600..	PG	Saramacca S. S. Corp.	Tropical Ra- dio Tele- graph Co.
Saratoga.....	KWS	300, 450, 600.	PG	N. Y. & Cuba Mail S. S. Co. (Ward Line).	Marconi Co.
Saratoga.....	NTR	300, 600..	PG	Government.....	U. S. Navy.
Sarnia.....	KVR	300, 600..	PG	Bay S. S. Co. of America (Ltd.).	Marconi Co.
Satellite.....	KPS	300, 600..	PG	Alfred S. Sorensen & Sons.	Vessel owner.
Satsuma.....	KJI	300, 600..	PG	Barber & Co.....	Marconi Co.
Saturn.....	NNM	300, 600..	PG	Government.....	U. S. Navy.
Sayonara.....	KYJ	300, 600..	PG	A. J. Drexel.....	Vessel owner.
Scorpion.....	NTT	300, 600..	PG	Government.....	U. S. Navy.
Sea Rover.....	WRP	300, 600..	PG	Ship Owners' & Merch- ants' Tug Boat Co.	Vessel owner.
Security.....	KSJ	300, 600..	PG	Standard Transpor- tation Co.	Marconi Co.
Seeandbee.....	WFS	300, 600..	PG	Cleveland & Buffalo Transit Co.	Marconi Co.
Seguranca.....	KWG	300, 600..	PG	Seguranca S. S. Corp.	Marconi Co.
Seminole.....	NRS	300, 600..	PG	Government.....	U. S. C. G.
Senator.....	WGS	300, 600..	PG	Pacific Coast Co.....	Marconi Co.
Senator Bailey....	KGS	300, 450, 600.	PG	Gulf Refining Co....	Marconi Co.
Seneca.....	NRE	300, 600, 750.	PG	Government.....	U. S. C. G.
Seward.....	WAV	300, 600..	PG	Alaska S. S. Co.....	Vessel owner.
Shenango.....	KTC	300, 600..	PG	Gulf Refining Co....	Marconi Co.
Sheridan.....	WXJ	600.....	PG	Government.....	U. S. Army.
Sherman.....	WXK	600.....	PG	.....do.....	U. S. Army.
Sialia.....	WFY	.....	.....	J. K. Stewart.....	Atlantic Com- munication Co.
Siberia.....	KVS	300, 600..	PG	Bay S. S. Co. Of America (Ltd.).	Marconi Co.
Sierra.....	WHJ	300, 600, 1800.	PG	Oceanic S. S. Co.....	Federal Tele- graph Co.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Service.	Owner of vessel (line).	Station controlled by—
Silver Shell . . . . .	WIA	300, 450, 600.	PG	Silver Shell S. S. Co.	Marconi Co.
Sixaola . . . . .	KDS	300, 600..	PG	Sixaola S. S. Corp..	Tropical Radio Telegraph Co.
S. M. Fischer . . . . .	WPH	300, 600..	PG	Reid Wrecking Co...	Marconi Co.
Smith . . . . .	NSQ	300, 600..	PG	Government . . . . .	U. S. Navy.
Snohomish . . . . .	NRF	300, 600..	PG	.....do.....	U. S. C. G.
S. O. Co. No. 91 . . . . .	WTU	300, 600..	PG	Standard Oil Co. of Cal.	Marconi Co.
S. O. Co. No. 93 . . . . .	WTY	300, 600..	PG	.....do.....	Marconi Co.
S. O. Co. No. 95 . . . . .	WTZ	300, 600..	PG	.....do.....	Marconi Co.
Socony . . . . .	KTX	300, 600..	PG	Standard Oil Co. of N. Y.	Atlantic Communication Co.
Solace . . . . .	NST	300, 600..	PG	Government . . . . .	U. S. Navy.
Somerset . . . . .	KQS	300, 450, 600.	PG	Merchants & Miners' Transp. Co.	Marconi Co.
Somerset . . . . .	KSU	300, 600..	PG	Standard Oil Co. of N. J.	Vessel owner.
Sonoma . . . . .	WHM	300, 600..	PG	Oceanic S. S. Co. . . . .	Federal Telegraph Co.
Sonoma . . . . .	NTG	300, 600..	PG	Government . . . . .	U. S. Navy.
Sotoyomo . . . . .	NUX	300, 600..	PG	.....do.....	U. S. Navy.
South American . . . . .	WEO	300, 600..	PG	Chicago, Duluth & Georgian Bay S. S. Co.	Marconi Co.
South Carolina . . . . .	NSW	300, 600..	PG	Government . . . . .	U. S. Navy.
South Dakota . . . . .	NSX	300, 600..	PG	.....do.....	U. S. Navy.
Speedwell . . . . .	WQS	300, 600..	PG	A. F. Estabrook (Sou. Ore. Transp. Co.).	Marconi Co.
Spokane . . . . .	WGE	300, 600..	PG	Pacific Coast Co. . . . .	Marconi Co.
Sprigg Carroll . . . . .	WZU	1200 . . . . .	O	Government . . . . .	U. S. Army.
Standard . . . . .	KIC	300, 450, 600.	PG	Standard Oil Co. of N. J.	Marconi Co.
Standard II . . . . .	KSA	300, 600..	PG	Standard Transp. Co.	Marconi Co.
Standard Arrow . . . . .	KSV	300, 450, 600.	PG	.....do.....	Marconi Co.
Starlite . . . . .	KPK	300, 600..	PG	Standard Oil Co. of N. J.	Marconi Co.
Starr . . . . .	WPS	300, 600..	PG	San Juan Fishing & Packing Co.	Vessel owner.
State of Ohio . . . . .	WFR	300, 600..	PG	Cleveland & Buffalo Transit Co.	Marconi Co.
Sterrett . . . . .	NTB	300, 600..	PG	Government . . . . .	U. S. Navy.
Stewart . . . . .	NTC	300, 600..	PG	.....do.....	U. S. Navy.
St. Francis . . . . .	WHH	300, 600..	PG	Alaska Fishermen's Packing Co.	Vessel owner.
St. Louis . . . . .	KSL	300, 600..	PG	International Mercantile Marine Co. (American Line).	Marconi Co.
St. Louis . . . . .	NTF	300, 600..	PG	Government . . . . .	U. S. Navy.
St. Nicholas . . . . .	WSS	300, 600..	PG	Columbia River Packers' Association.	Vessel owner.
St. Paul . . . . .	KSO	300, 600..	PG	International Mercantile Marine Co. (American Line).	Marconi Co.
Stranger . . . . .	NSR	300, 600..	PG	Government . . . . .	
Sucrosa . . . . .	KNS	300, 600..	PG	Cuba Distilling Co. . . . .	Marconi Co.

## SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Serv-ice.	Owner of vessel (line).	Station control by—
Summer.....	WXL	600.....	PG	Government.....	U. S. Army
Sun.....	KTU	300, 600..	PG	Sun Co.....	Marconi Co
Sunlite.....	KPQ	300, 600..	PG	Standard Oil Co. of N. J.	Marconi Co
Supply.....	NTK	300, 600..	PG	Government.....	U. S. Navy
Suriname.....	KLI	300, 600..	PG	Suriname S. S. Corp..	Tropical R dio Tel graph Co. Marconi Co.
Suruga.....	KGD	300, 450, 600.	PG	Barber & Co.....	Marconi Co.
Suwannee.....	KQZ	300, 450, 600.	PG	Merchants & Miners' Transp. Co.	Marconi Co.
Sylph.....	NTL	300, 600..	PG	Government.....	U. S. Navy.
Tacoma.....	NUA	300, 600..	PG	.....do.....	U. S. Navy.
Tallahassee.....	NUC	300, 600..	PG	.....do.....	U. S. Navy.
Tallapoosa.....	NRV	300, 600, 750, 1000.	PG	.....do.....	U. S. C. G.
Tamesi.....	WTE	300, 600..	PG	Freeport & Tampico Fuel Oil Transp. Co.	Marconi Co.
Tasco.....	KFT	300, 400, 480, 600.	PG	T. A. Scott Co. (Inc.).	Vessel owner
Tatoosh.....	WPE	300, 600..	PG	Puget Sound Tug Boat Co.	Vessel owner
Tenadores.....	KLB	300, 600..	PG	Tenadores S. S. Corp.	Tropical Ra dio Tele graph Co.
Tennessee.....	NUG	300, 600..	PG	Government.....	U. S. Navy.
Terry.....	NUI	300, 600..	PG	.....do.....	U. S. Navy.
Texan.....	WKT	300, 600..	PG	American-Hawaiian S. S. Co.	Vessel owner
Texas.....	KUM	300, 450, 600.	PG	The Texas Co.....	Marconi Co.
Texas.....	NCD	300, 600..	PG	Government.....	U. S. Navy.
The Harvester.....	WCR	300, 600..	PG	Wisconsin Steel Co..	Marconi Co.
The Limit.....	WCV	300, 600..	PG	Whitney Bros. Co....	Marconi Co.
Thetis.....	NRT	300, 600..	PG	Government.....	U. S. C. G.
Thomas.....	WXM	600.....	PG	.....do.....	U. S. Army.
Tionesta.....	WCA	300, 600..	PG	Erie & Western Transp. Co. (An- chor Line).	Marconi Co.
Tivives.....	KMI	300, 600..	PG	Tivives S. S. Corp....	Tropical Ra dio Tele graph Co. Marconi Co.
Toledo.....	KTV	300, 600..	PG	Sun Co.....	Marconi Co.
Tonopah.....	NUN	300, 600..	PG	Government.....	U. S. Navy.
Topila.....	KKE	300, 600..	PG	Southern Pacific Co..	Marconi Co.
Tormenter.....	KFN	300, 600..	PG	Freeport & Tampico Fuel Oil Transp. Co.	Marconi Co.
Trinidadian.....	KNO	300, 600..	PG	Gulf Refining Co....	Marconi Co.
Trippe.....	NUQ	300, 600..	PG	Government.....	U. S. Navy.
Truxton.....	NUS	300, 600..	PG	.....do.....	U. S. Navy.
Turrialba.....	KDT	300, 600..	PG	Turrialba S. S. Corp.	Tropical Ra dio Tele graph Co.
Tuscarora.....	NRL	300, 600..	PG	Government.....	U. S. C. G.
Twilite.....	KPO	300, 600..	PG	Standard Oil Co. of N. J.	Marconi Co.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Serv-ice.	Owner of vessel (line).	Station controlled by—
Tyee.....	WPC	300, 600..	PG	Puget Sound Tug Boat Co.	Vessel owner.
Ulysses.....	KPU	300, 600..	PG	Panama Canal.....	
Umatilla.....	WGU	300, 600..	PG	Pacific Coast S. S. Co.	Marconi Co.
Unalga.....	NRX	300, 600, 800.	PG	Government.....	U. S. C. G.
Uncas.....	NVF	300, 600..	PG	.....do.....	U. S. Navy.
Utah.....	NVE	300, 600..	PG	.....do.....	U. S. Navy.
Vanadis.....	KYT	300, 600..	P	Morton F. Plant....	Vessel owner.
Venetia.....	WOV	300, 600..	P	J. D. Spreckles.....	Vessel owner.
Venezuela.....	WBG	300, 600..	PG	Pacific Mail S. S. Co.	
Ventura.....	WHL	300, 600, 1800.	PG	Oceanic S. S. Co.....	Federal Tele-graph Co.
Vermont.....	NVK	300, 600..	PG	Government.....	U. S. Navy.
Vesta.....	KTS	300, 600..	PG	Standard Transpor-tation Co.	Marconi Co.
Vestal.....	NMC	300, 600..	PG	Government.....	U. S. Navy.
Vesuvius.....	NVM	300, 600..	PG	.....do.....	U. S. Navy.
Vicksburg.....	NVN	300, 600..	PG	.....do.....	U. S. Navy.
Victoria.....	WAD	300, 600..	PG	Alaska S. S. Co.....	Vessel owner.
Vigilancia.....	KWV	300, 600..	PG	Gaston, Williams & Wigmore.	Marconi Co.
Vigilant.....	KPG	300, 600..	PG	Clinchfield Nav. Co. (Inc.).	Marconi Co.
Villalobos.....	NVP	300, 600..	PG	Government.....	U. S. Navy.
Virginia.....	KFR	300, 600..	PG	Gaston, Williams & Wigmore S. S. Corp.	Marconi Co.
Virginia.....	WFH	300, 600..	PG	Goodrich Transit Co.	Marconi Co.
Virginia.....	NVR	300, 600..	PG	Government.....	U. S. Navy.
Virginian.....	WKV	300, 600..	PG	American-Hawaiian S. S. Co.	Vessel owner.
Vixen.....	NSU	300, 600..	PG	Government.....	U. S. Navy.
Vulcan.....	NVT	300, 600..	PG	.....do.....	U. S. Navy.
Wakiva.....	KYI	300, 600..	PG	H. S. Harkness.....	Marconi Co.
Walke.....	NWL	300, 600..	PG	Government.....	U. S. Navy.
Wallula.....	WPY	300, 600..	PG	Port of Portland, Oreg.	Marconi Co.
Wana.....	KYX	300, 600..	P	George C. Sherman..	Marconi Co.
Wapama.....	WMG	300, 600..	PG	Wapama S. S. Co.....	Marconi Co.
Warren.....	WXN	600.....	PG	Government.....	U. S. Army.
Warrington.....	NWD	300, 600..	PG	.....do.....	U. S. Navy.
Washington.....	NWE	300, 600..	PG	.....do.....	U. S. Navy.
Wasp.....	NSV	300, 600..	PG	.....do.....	U. S. Navy.
Wayfarer.....	KYW	.....	PG	Alfred G. Vanderbilt.	
W. B. Flint.....	WHG	300, 600..	PG	Alaska Fishermen's Packing Co.	Vessel owner.
W. B. Keene.....	KWK	300, 600..	PG	Hilton Dodge Transp. Co.	Marconi Co.
Westoil.....	KJT	300, 600..	PG	Standard Oil Co. of N. J.	
Western States.....	WED	300, 450, 500, 600.	PG	Detroit & Cleveland Nav. Co.	
West Virginia.....	NWG	300, 600..	PG	Government.....	U. S. Navy.
Westwego.....	KGE	300, 450, 600.	PG	Union Petroleum S. S. Co.	Vessel owner.
Wheeling.....	NWH	300, 600..	PG	Government.....	U. S. Navy.
Whipple.....	NWI	300, 600..	PG	.....do.....	U. S. Navy.
Whittier.....	WHT	300, 600, 1800.	PG	Union Transp. Co....	Federal Tele-graph Co.
Wico.....	KNN	300, 600..	PG	Standard Oil Co. of N. J.	Marconi Co.

## SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—Continued.

Vessel.	Call signal.	Wave lengths.	Service.	Owner of vessel (line).	Station controlled by—
Wild Duck.....	KYG	300, 600..	PG	Gulf Refining Co....	Marconi Co.
Wilhelmina.....	WMO	300, 450, 600.	PG	Matson Nav. Co....	Marconi Co.
Willamette.....	WSW	300, 600..	PG	Willamette S. S. Co.	Marconi Co.
Wm. F. Herrin....	WTN	300, 600, 1800.	PG	Associated Oil Co. . .	Federal Tele- graph Co.
William O'Brien...	KPN	300, 600..	PG	East Coast Transp. Co.	Marconi Co.
Wilmington.....	NWK	300, 600..	PG	Government.....	U. S. Navy.
Windber.....	WND	300, 600..	PG	Pacific-American Fisheries.	Marconi Co.
Winifred.....	KTE	300, 600..	PG	Gulf Refining Co....	Marconi Co.
Winslow.....	NJA	300, 600..	PG	Government.....	U. S. Navy.
Wisconsin.....	NWM	300, 600..	PG	.....do.....	U. S. Navy.
Worden.....	NWP	300, 600..	PG	.....do.....	U. S. Navy.
W. S. Porter.....	WTM	300, 600..	PG	Associated Oil Co....	Marconi Co.
Wyoming.....	NWQ	300, 600..	PG	Government.....	U. S. Navy.
Yale.....	WRY	300, 600..	PG	Metropolitan S.S.Co. (Pacific Steam Nav. Co.).	Federal Tele- graph Co.
Yamacraw.....	NRY	300, 600..	PG	Government.....	U. S. C. G.
Yankton.....	NSK	300, 600..	PG	.....do.....	U. S. Navy.
Yorktown.....	NQX	300, 600..	PG	.....do.....	U. S. Navy.
Yosemite.....	WQY	300, 600..	PG	Yosemite S. S. Co....	Marconi Co.
Yucatan.....	WMY	300, 600..	PG	North Pacific S.S.Co.	Marconi Co.
Zacapa.....	KLE	300, 600..	PG	Zacapa S. S. Corp...	Tropical Ra- dio Tele- graph Co.
Zapora.....	WPQ	300, 600..	PG	Booth Fisheries Co..	Vessel owner.
Zealandia.....	KNR	300, 600..	PG	Fiske Trading Co....	Nat. Elec. Sig- naling Co.
Zulia.....	KDZ	300, 450, 600.	PG	Atlantic & Carrib- bean Steam Nav. Co. (Red D Line).	Marconi Co.

## LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS.

[This list includes all call signals which have been assigned to United States radio stations, except amateur and certain "special" stations. b=ship station; c=land station.]

Call signal.	Station.	Call signal.	Station.
KDA	Philadelphia..... b	KEN	.....
KDB	Caracas..... b		
KDC	Douglas, Ariz..... c	KEO	.....
KDD	Cartago..... b	KEP	Lampasas..... b
KDE	Carrillo..... b		
KDF	Coppename..... b	KEQ	.....
KDG	Parismina..... b		
KDH	Heredia..... b	KER	.....
KDI	Abangarez..... b	KES	San Jacinto..... b
		KET	Bolinas, Cal..... c
KDJ	.....		
KDK	Atenas..... b	KEU	.....
KDL	.....	KEV	.....
KDM	Maracaibo..... b		
		KEW	.....
KDN	.....	KEX	Los Angeles, Cal..... c
KDO	.....	KEY	.....
KDP	Portland, Oreg..... c	KEZ	Brazos..... b
		KFA	City of Columbus..... b
KDQ	.....	KFB	City of Atlanta..... b
		KFC	Macona..... b
KDR	.....	KFD	City of Memphis..... b
KDS	Sixoala..... b		
KDT	Turrialba..... b	KFE	.....
KDU	Juneau, Alaska..... c		
		KFF	.....
KDV	.....		
		KFG	.....
KDW	.....	KFH	Herman Frasch..... b
KDX	Bayamon..... b	KFI	I. D. Fletcher..... b
KDY	Rochester..... b	KFJ	City of Augusta..... b
KDZ	Zulia..... b	KFK	City of Savannah..... b
KEA	.....	KFL	.....
KEB	Sabine..... b		
KEC	Concho..... b	KFM	.....
		KFN	Tormenter..... b
KED	.....	KFO	Buccaneer..... b
KEE	Neches..... b	KFP	Nacoochee..... b
KEF	.....	KFQ	.....
KEG	Rio Grande..... b	KFR	Virginia..... b
KEH	Nueces..... b	KFS	San Francisco, Cal..... c
KEI	Medina..... b	KFT	Tasco..... b
KEJ	Alamo..... b	KFU	Lents, Oreg..... c
KEK	San Marcos..... b		
		KFV	.....
KEL	.....	KFW	.....
KEM	Comal..... b	KFX	City of St. Louis..... b



## LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.
KFY	City of Montgomery . . . . . b	KHU	.....
KFZ	Inglewood, Cal. . . . . c	KHV	.....
KGA	Coamo . . . . . b	KHW	.....
KGB	Carolina . . . . . b	KHX	Heeia Point, Hawaii . . . . . c
KGC	.....	KHY	.....
KGD	Suruga . . . . . b	KHZ	.....
KGE	Westwego . . . . . b	KIA	Ardmore . . . . . b
KGF	.....	KIB	Muskogee . . . . . b
KGG	.....	KIC	Standard . . . . . b
KGH	Hollister, Cal. . . . . c	KID	Matinicock . . . . . b
KGI	Oakland, Cal. . . . . c	KIE	Koko Head, Hawaii . . . . . c
KGJ	San Juan . . . . . b	KIF	Petrolite . . . . . b
KGK	Edgar F. Luckenbach . . . . . b	KIG	Pioneer . . . . . b
KGL	Dochra . . . . . b	KIH	Corning . . . . . b
KGM	Mexicano . . . . . b	KII	Evangeline . . . . . b
KGN	Albina, Oreg. . . . . c	KIJ	Acme . . . . . b
KGO	Underwood, Wash. . . . . c	KIK	Atlantic . . . . . b
KGP	Ponce . . . . . b	KIL	Hewitt . . . . . b
KGQ	.....	KIM	.....
KGR	Atlanta . . . . . b	KIN	.....
KGS	Senator Bailey . . . . . b	KIO	.....
KGT	J. L. Luckenbach . . . . . b	KIP	.....
KGU	Onega . . . . . b	KIQ	Astral . . . . . b
KGV	Fred'k Luckenbach . . . . . b	KIR	.....
KGW	D. N. Luckenbach . . . . . b	KIS	.....
KGX	Harry Luckenbach . . . . . b	KIT	.....
KGY	.....	KIU	.....
KGZ	.....	KIV	Iditarod, Alaska . . . . . c
KHA	Larsen Bay, Alaska . . . . . c	KIW	Victor, Colo. . . . . c
KHB	Koggiung, Alaska . . . . . c	KIX	Denver, Colo. . . . . c
KHC	Chignik, Alaska . . . . . c	KIY	Colorado Springs, Colo. . . . . c
KHD	.....	KIZ	Brooks, Alaska . . . . . c
KHE	.....	KJA	Julin, Alaska . . . . . c
KHF	Snag Point, Alaska . . . . . c	KJB	Bunker Hill . . . . . b
KHG	Clarks Point, Alaska . . . . . c	KJC	.....
KHH	.....	KJD	North Land . . . . . b
KHI	.....	KJE	Georgiana . . . . . b
KHJ	Koko Head, Hawaii . . . . . c	KJF	Carolinian . . . . . b
KHK	Wahiawa, Hawaii . . . . . c	KJG	Eurana . . . . . b
KHL	Lahaina, Hawaii . . . . . c	KJH	.....
KHM	Lihue, Hawaii . . . . . c	KJI	Satsuma . . . . . b
KHN	Kawaihae, Hawaii . . . . . c	KJJ	.....
KHO	Kaunakakai, Hawaii . . . . . c	KJK	.....
KHP	.....		
KHQ	Phoenix, Ariz. . . . . c		
KHR	.....		
KHS	.....		
KHT	Naknek, Alaska . . . . . c		

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.
KJL	.....	KLF	Metapan..... b
KJM	Massachusetts..... b	KLG	Santa Marta..... b
KJN	.....	KLH	Saramacca..... b
KJO	Old Colony..... b	KLI	Suriname..... b
KJP	.....	KLJ	.....
KJQ	.....	CLK	Craster Hall..... b
KJR	Rialto, Cal..... c	KLL	.....
KJS	North Star..... b	KLM	Bantu..... b
KJT	Westoil..... b	KLN	Kentra..... b
KJU	Bacoi..... b	KLO	Santa Rosalia..... b
KJV	.....	KLP	.....
KJW	.....	KLQ	.....
KJX	.....	KLR	Crofton Hall..... b
KJY	.....	KLS	Los Angeles, Cal..... c
KJZ	.....	KLT	Howick Hall..... b
KKK	Antilles..... b	KLU	Charlton Hall..... b
KKB	El Sol..... b	KLV	San Mateo..... b
KKC	Chalmette..... b	KLW	.....
KKD	Comus..... b	KLX	.....
KKE	Topila..... b	KLY	.....
KKF	.....	KLZ	.....
KKG	.....	KMA	Alliança..... b
KKH	.....	KMB	.....
KKI	.....	KMC	Clincher..... b
KKJ	.....	KMD	Cristobal..... b
KKK	.....	KME	.....
KKL	El Alba..... b	KMF	Egegak, Alaska..... c
KKM	Momus..... b	KMG	Nushagak, Alaska..... c
KKN	El Norte..... b	KMH	Panama..... b
KKO	Excelsior..... b	KMI	Tivives..... b
KKP	Proteus..... b	KMJ	.....
KKQ	El Sud..... b	KMK	Naknek, Alaska..... c
KKR	Creole..... b	KML	Alockanok River, Alaska..... c
KKS	El Siglo..... b	KMM	Panuco..... b
KKT	El Cid..... b	KMN	.....
KKU	El Mundo..... b	KMO	.....
KKV	El Oriente..... b	KMP	Metha Nelson..... c
KKW	El Valle..... b	KMQ	.....
KKX	El Occidente..... b	KMR	.....
KKY	El Dia..... b	KMS	Ancon..... b
KKZ	El Rio..... b	KMT	Hales Creek, Alaska..... c
KLA	Pastores..... b	KMU	Ugashik, Alaska..... c
KLB	Tenadores..... b	KMV	Advance..... b
KLC	Calamares..... b	KMW	Akutan, Alaska..... c
KLD	Almirante..... b	KMX	Colon..... b
KLE	Zacapa..... b		

## LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.
KMY	.....	KOU	.....
KMZ	.....	KOV	Olivette..... b
KNA	Dorothy Bradford..... b	KOW	Mascotte..... b
KNB	Lexington..... b	KOX	Henry M. Flagler..... b
KNC	Concord..... b	KOY	.....
KND	Beverly..... b	KOZ	Miami..... b
KNE	.....	KPA	Seattle, Wash..... c
KNF	.....	KPB	Ketchikan, Alaska..... c
KNG	Bradford..... b	KPC	Astoria, Oreg..... c
KNH	Brockton..... b	KPD	.....
KNI	De Soto..... b	KPE	Seattle, Wash..... c
KNJ	Sandy Hook..... b	KPF	.....
KNK	New York..... b	KPG	Vigilant..... b
KNL	Nelson..... b	KPH	Hillcrest, Cal..... c
KNM	Millinocket..... b	KPI	Avalon, Cal..... c
KNN	Wico..... b	KPJ	East San Pedro, Cal..... c
KNO	Trinidadian..... b	KPK	Starlite..... b
KNP	Dayton..... b	KPL	Moonlite..... b
KNQ	.....	KPM	Eureka, Cal..... c
KNR	Zealandia..... b	KPN	William O'Brien..... b
KNS	Sucrosa..... b	KPO	Twilite..... b
KNT	Mieler..... b	KPP	Dawnlite..... b
KNU	Currier..... b	KPQ	Sunlite..... b
KNV	Cubadist..... b	KPR	Daylite..... b
KNW	.....	KPS	Satellite..... b
KNX	Moreni..... b	KPT	Achilles..... b
KNY	.....	KPU	Ulysses..... b
KNZ	.....	KPV	.....
KOA	Hamilton..... b	KPW	Cape Cod..... b
KOB	Princess Anne..... b	KPX	Marshfield, Oreg..... c
KOC	Jamestown..... b	KPY	.....
KOD	Jefferson..... b	KPZ	.....
KOE	Communi-paw..... b	KQA	.....
KOF	Healdton..... b	KQB	.....
KOG	Madison..... b	KQC	Cretan..... b
KOH	Glenpool..... b	KQD	Dorchester..... b
KOI	Polarine..... b	KQE	Essex..... b
KOJ	.....	KQF	.....
KOK	.....	KQG	Gloucester..... b
KOL	Mount Hope..... b	KQH	Howard..... b
KOM	Campana..... b	KQI	.....
KON	Orleanian..... b	KQJ	Juniata..... b
KOO	Amazonia..... b	KQK	Kershaw..... b
KOP	.....	KQL	.....
KOQ	.....	KQM	Merrimack..... b
KOR	Navahoe..... b	KQN	Nantucket..... b
KOS	Brunswick..... b	KQO	Ontario..... b
KOT	.....		

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.
KQP	.....	KSI	H. H. Rogers.....b
KQQ	Quantico.....b	KSJ	Security.....b
KQR	Grecian.....b	KSK	Caddo.....b
KQS	Somerset.....b	KSL	St. Louis.....b
KQT	.....	KSM	Philadelphia.....b
KQU	.....	KSN	New York.....b
KQV	.....	KSO	St. Paul.....b
KQW	.....	KSP	Caloria.....b
KQX	Persian.....b	KSQ	Charles Pratt.....b
KQY	Powhatan.....b	KSR	Bayway.....b
KQZ	Suwannee.....h	KSS	South San Francisco, Cal.....c
KRA	Francis Hanify.....b	KST	Princeton.....b
KRB	Governor Cobb.....b	KSU	Somerset.....b
KRC	Camden.....b	KSV	Standard Arrow.....b
KRD	Belfast.....b	KSW	Royal Arrow.....b
KRE	Bay State.....b	KSX	.....
KRF	.....	KSY	.....
KRG	.....	KSZ	.....
KRH	City of Bangor.....b	KTA	Larimer.....b
KRI	City of Rockland.....b	KTB	Gulfstream.....b
KRJ	Relief.....b	KTC	Shenango.....b
KRK	Gargoyle.....b	KTD	Ligonier.....b
KRL	.....	KTE	Winifred.....b
KRM	.....	KTF	J. M. Guffey.....b
KRN	Calvin Austin.....b	KTG	Gulfoil.....b
KRO	Bramell Point.....b	KTH	Illinois.....b
KRP	Rescue.....b	KTI	Brilliant.....b
KRQ	.....	KTJ	Comet.....b
KRR	Mills.....b	KTK	John D. Archbold.....b
KRS	Hiram B. Everest.....b	KTL	Rayo.....b
KRT	San Francisco.....b	KTM	Eocene.....b
KRU	.....	KTN	Perfection.....b
KRV	Governor Dingley.....b	KTO	John D. Rockefeller.....b
KRW	Roche Harbor, Wash.....c	KTP	.....
KRX	.....	KTQ	City of Everett.....b
KRY	.....	KTR	Radiant.....b
KRZ	.....	KTS	Vesta.....b
KSA	Standard II.....b	KTT	Paraguay.....b
KSB	Motano.....b	KTU	Sun.....b
KSC	Cushing.....b	KTV	Toledo.....b
KSD	San Diego, Cal.....c	KTW	Delaware Sun.....b
KSE	Platuria.....b	KTX	Socony.....b
KSF	Finland.....b	KTY	.....
KSG	Baton Rouge.....b	KTZ	Brindilla.....b
KSH	Kroonland.....b	KUA	Gulflight.....b
		KUB	.....
		KUC	.....
		KUD	.....
		KUE	Gulfcoast.....b

## LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.
KUF	.....	KVX	.....
KUG	Munplace..... b	KVY	.....
KUH	Munwood..... b	KVZ	Relay..... b
KUI	Munamar..... b	KWA	Buenaventura..... b
KUJ	.....	KWB	.....
KUK	Munsomo..... b	KWC	Morro Castle..... b
KUL	Louisiana..... b	KWD	Antilla..... b
KUM	Texas..... b	KWE	Santiago..... b
KUN	Alabama..... b	KWF	.....
KUO	Northwestern..... b	KWG	Seguranca..... b
KUP	.....	KWH	Havana..... b
KUQ	.....	KWI	Camaguey..... b
KUR	Georgia..... b	KWJ	.....
KUS	Florida..... b	KWK	W. B. Keene..... b
KUT	Pan American..... b	KWL	.....
KUU	Brabant..... b	KWM	.....
KUV	.....	KWN	Guantanamo..... b
KUW	New York..... b	KWO	.....
KUX	.....	KWP	.....
KUY	.....	KWQ	.....
KUZ	.....	KWR	Port Moller, Alaska..... b
KVA	Apache..... b	KWS	Saratoga..... b
KVB	Arapahoe..... b	KWT	Teller, Alaska..... c
KVC	Comanche..... b	KWU	.....
KVD	.....	KWV	Vigilancia..... b
KVE	.....	KWW	.....
KVF	Iroquois..... b	KWX	Mexico..... b
KVG	Algonquin..... b	KWY	Monterey..... b
KVH	Huron..... b	KWZ	Esperanza..... b
KVI	.....	KXA	Boston..... b
KVJ	.....	KXB	City of Lowell..... b
KVK	Cherokee..... b	KXC	.....
KVL	Lenape..... b	KXD	Maine..... b
KVM	Mohawk..... b	KXE	Mohawk..... b
KVN	.....	KXF	New Hampshire..... b
KVO	.....	KXG	.....
KVP	.....	KXH	Plymouth.....
KVQ	.....	KXI	Priscilla..... b
KVR	.....	KXJ	Providence..... b
KVS	Sarnia..... b	KXX	.....
KVT	Siberia..... b	KXL	City of Taunton..... b
KVU	.....	KXM	Mohegan..... b
KVV	Koggiung, Alaska..... c	KXN	New Haven..... b
KVW	.....	KXO	.....
		KXP	Pequonnock..... b
		KXQ	Chester W. Chapin..... b
		KXR	Richard Peck..... b

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.
KXS	.....	KZH	.....
KXT	.....	KZI	.....
KXU	Dade.....b	KZJ	.....
KXV	.....	KZK	.....
KXW	.....	KZL	Halcyon.....b
KXX	.....	KZM	Guiana.....b
KXY	.....	KZN	Roamer.....b
KXZ	.....	KZO	.....
KYA	.....	KZP	.....
KYB	North Wind.....b	KZQ	.....
KYC	Corsair.....b	KZR	Remlik.....b
KYD	Cyprus.....b	KZS	Santanta.....b
KYE	Casiana.....b	KZT	.....
KYF	.....	KZU	Josephine.....b
KYG	Wild Duck.....b	KZV	.....
KYH	Aloha.....b	KZW	.....
KYI	Wakiva.....b	KZX	.....
KYJ	Sayonara.....b	KZY	.....
KYK	Kismet.....b	KZZ	.....
KYL	Lysistrata.....b	NAA	Washington, D. C.....c
KYM	.....	NAB	Portland, Me.....c
KYN	Niagara.....b	NAC	Portsmouth, N. H.....c
KYO	Noma.....b	NAD	Boston, Mass.....c
KYP	Oneida.....b	NAE	North Truro, Mass.....c
KYQ	California.....b	NAF	Newport, R. I.....c
KYR	Karina.....b	NAG	Fire Island, Long Island, N. Y.c
KYS	.....	NAH	New York (Brooklyn), N. Y.c
KYT	Vanadis.....b	NAI	Philadelphia, Pa.....c
KYU	Mohawk.....b	NAJ	Great Lakes, Ill.....c
KYV	.....	NAK	Annapolis, Md.....c
KYW	Wayfarer.....b	NAL	Washington, D. C.....c
KYX	Wana.....b	NAM	Norfolk, Va.....c
KYY	.....	NAN	Beaufort, N. C.....c
KYZ	.....	NAO	Charleston, S. C.....c
KZA	Alberta.....b	NAP	St. Augustine, Fla.....c
KZB	Alicia.....b	NAQ	Jupiter, Fla.....c
KZC	Aztec.....b	NAR	Key West, Fla.....c
KZD	.....	NAS	Pensacola, Fla.....c
KZE	.....	NAT	New Orleans, La.....c
KZF	.....	NAU	San Juan, P. R.....c
KZG	.....	NAV	Port Royal, S. C.....c
		NAW	Guantanamo Bay, Cuba.....c
		NAX	Colon, Panama.....c
		NAY	Point Isabel, Tex.....c

## LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.
NAZ	.....	NCK	.....
NBA	Darien, Panama.....c	NCL	Beale.....b
NBB	.....	NCM	.....
NBC	.....	NCN	Birmingham.....b
NBD	.....	NCO	.....
NBE	.....	NCP	.....
NBF	.....	NCQ	.....
NBG	Indianhead, Md.....c	NCR	.....
NBH	Ajax.....b	NCS	.....
NBI	Alabama.....b	NCT	.....
NBJ	Albany.....b	NCU	Buffalo.....b
NBK	.....	NCV	Burrows.....b
NBL	Alert.....b	NCW	.....
NBM	.....	NCX	.....
NBN	.....	NCY	Caesar.....b
NBO	.....	NCZ	California.....b
NBP	Ammen.....b	NDA	Castine.....b
NBQ	.....	NDB	Celtic.....b
NBR	Annapolis.....b	NDC	.....
NBS	.....	NDD	.....
NBT	.....	NDE	.....
NBU	Arethusa.....b	NDF	.....
NBV	Arkansas.....b	NDG	Chester.....b
NBW	.....	NDH	Cheyenne.....b
NBX	.....	NDI	Chicago.....b
NBY	.....	NDJ	.....
NBZ	.....	NDK	.....
NCA	.....	NDL	Cincinnati.....b
NCB	.....	NDM	Cleveland.....b
NCC	New York.....b	NDN	Colorado.....b
NCD	Texas.....b	NDO	.....
NCE	.....	NDP	.....
NCF	Bailey.....b	NDQ	Connecticut.....b
NCG	.....	NDR	.....
NCH	Baltimore.....b	NDS	.....
NCI	.....	NDT	.....
NCJ	.....	NDU	Culgoa.....b
		NDV	.....

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.
NDW	.....	NFH	.....
NDX	.....	NFI	.....
NDY	Cyclops..... b	NFJ	.....
NDZ	.....	NFK	.....
NEA	.....	NFL	.....
NEB	.....	NFM	Fanning..... b
NEC	.....	NFN	.....
NED	.....	NFO	.....
NEE	.....	NFP	.....
NEF	.....	NFQ	.....
NEG	.....	NFR	Florida..... b
NEH	.....	NFS	Fluseer..... b
NEI	.....	NFT	.....
NEJ	.....	NFU	Ranger..... b
NEK	Delaware..... b	NFV	.....
NEL	.....	NFW	.....
NEM	Denver..... b	NFX	.....
NEN	Des Moines..... b	NFY	.....
NEO	.....	NFZ	.....
NEP	Dixie..... b	NGA	Columbia..... b
NEQ	Dolphin..... b	NGB	Minneapolis..... b
NER	.....	NGC	.....
NES	.....	NGD	Galveston..... b
NET	Drayton..... b	NGE	.....
NEU	Dubuque..... b	NGF	Georgia..... b
NEV	.....	NGG	.....
NEW	.....	NGH	Glacier..... b
NEX	.....	NGI	Chattanooga..... b
NEY	.....	NGJ	Goldsbrough..... b
NEZ	.....	NGK	Marblehead..... b
NFA	Brooklyn..... b	NGL	.....
NFB	Milwaukee..... b	NGM	.....
NFC	Eagle..... b	NGN	.....
NFD	Elcano..... b	NGO	.....
NFE	Charleston..... b	NGP	.....
NFF	.....	NGQ	.....
NFG	.....		



## LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.
NGR	.....	NIF	.....
NGS	.....	NIG	.....
NGT	.....	NIH	Aylwin..... b
NGU	Hannibal..... b	NII	Balch..... b
NGV	.....	NIJ	Benham..... b
NGW	.....	NIK	Cassin..... b
NGX	Hector..... b	NIL	Cummings..... b
NGY	Helena..... b	NIM	Cushing..... b
NGZ	.....	NIN	Downes..... b
NHA	Henley..... b	NIO	Kansas..... b
NHB	.....	NIP	Kearsarge..... b
NHC	Hopkins..... b	NIQ	Kentucky..... b
NHD	Monadnock..... b	NIR	Duncan..... b
NHE	Hull..... b	NIS	.....
NHF	.....	NIT	McDougal..... b
NHG	Amphitrite..... b	NIU	Nicholson..... b
NHH	Ozark..... b	NIV	O'Brien..... b
NHI	Hancock..... b	NIW	Lamson..... b
NHJ	.....	NIX	Parker..... b
NHK	.....	NIY	Lawrence..... b
NHL	.....	NIZ	Lebanon..... b
NHM	.....	NJA	Winalow..... b
NHN	.....	NJB	Louisiana..... b
NHO	Illinois..... b	NJC	Decatur..... b
NHP	.....	NJD	.....
NHQ	Indiana..... b	NJE	.....
NHR	.....	NJF	.....
NHS	.....	NJG	.....
NHT	Iowa..... b	NJH	Macdonough..... b
NHU	Iris..... b	NJI	.....
NHV	Iroquois..... b	NJJ	.....
NHW	.....	NJK	.....
NHX	.....	NJL	Maine..... b
NHY	.....	NJM	.....
NHZ	.....	NJN	.....
NIA	Bainbridge..... b	NJO	.....
NIB	Jarvis..... b	NJP	.....
NIC	.....	NJQ	Marietta..... b
NID	Jenkins..... b	NJR	Mars..... b
NIE	Jouett..... b	NJS	Maryland..... b
		NJT	Massachusetts..... b
		NJU	Mayrant..... b
		NJV	Mayflower..... b
		NJW	McCall..... b
		NJX	.....

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.
NJY	.....	NLQ	Cape St. Elias, Alaska.....c
NJZ	Michigan.....b	NLR	Roosevelt.....b
NKA	.....	NLS	.....
NKB	.....	NLT	.....
NKC	.....	NLU	.....
NKD	Minnesota.....b	NLV	.....
NKE	.....	NLW	.....
NKF	Missouri.....b	NLX	.....
NKG	Jacob Jones.....b	NLY	.....
NKH	.....	NLZ	.....
NKI	.....	NMA	Nebraska.....b
NKJ	.....	NMB	Nero.....b
NKK	.....	NMC	Vestal.....b
NKL	Monaghan.....b	NMD	.....
NKM	Montana.....b	NME	New Hampshire.....b
NKN	Monterey.....b	NMF	New Jersey.....b
NKO	Montgomery.....b	NMG	New Orleans.....b
NKP	.....	NMH	Newport.....b
NKQ	.....	NMI	.....
NKR	.....	NMJ	.....
NKS	.....	NMK	.....
NKT	.....	NML	.....
NKU	.....	NMM	.....
NKV	.....	NMN	North Carolina.....b
NKW	.....	NMO	North Dakota.....b
NKX	.....	NMP	.....
NKY	Nashville.....b	NMQ	.....
NKZ	Navajo.....b	NMR	.....
NLA	Nantucket Shoals Lightship..c	NMS	Neptune.....b
NLB	Diamond Shoals Lightship...c	NMT	.....
NLC	Frying Pan Shoals Lightship..c	NMU	.....
NLD	Relief Lightship 66 or 85.....b	NMV	.....
NLE	Relief Lightship 71 or 72....b	NMW	Ohio.....b
NLF	Kukui.....b	NMX	.....
NLG	Relief Lightship 94 or 53....b	NMY	.....
NLH	Patterson.....b	NMZ	Oregon.....b
NLI	Explorer.....b	NNA	Brutus.....b
NLJ	Pathfinder.....b	NNB	Jason.....b
NLK	Bache.....b	NNC	Jupiter.....b
NLL	Columbine.....b		
NLM	Cypress.....b		
NLN	Ellington.....b		
NLO	Azaiea.....b		
NLP	Heald Bank Lightship.....c		

## LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continue

Call signal.	Station.	Call signal.	Station.
NND	.....	NOO	.....
NNE	.....	NOP	Paul Jones.....
NNF	Nereus..... b	NOQ	.....
NNG	Proteus..... b	NOR	.....
NNH	Leonidas..... b	NOS	.....
NNI	.....	NOT	Pittsburgh.....
NNJ	Justin..... b	NOU	.....
NNK	Nanahan..... b	NOV	.....
NNL	.....	NOW	Peoria.....
NNM	Saturn..... b	NOX	Perkins.....
NNN	.....	NOY	Perry.....
NNO	.....	NOZ	Petrel.....
NNP	.....	NPA	Cordova, Alaska.....
NNP	.....	NPB	Sitka, Alaska.....
NNQ	.....	NPC	Puget Sound, Wash.....
NNR	.....	NPD	Tatoosh, Wash.....
NNQ	.....	NPE	North Head, Wash.....
NNR	.....	NPF	Cape Blanco, Ore.....
NNS	.....	NPB	Yerba Buena, Cal.....
NNS	.....	NPH	San Francisco, Cal.....
NNT	.....	NPI	Farallons, Cal.....
NNU	.....	NPJ	Balboa, Panama.....
NNV	.....	NPK	Point Arguello, Cal.....
NNV	.....	NPL	San Diego, Cal.....
NNW	.....	NPM	Pearl Harbor, Hawaii.....
NNX	.....	NPN	Guam, Marianne Islds.....
NNY	.....	NPO	Cavite, P. I.....
NNZ	.....	NPP	Peking, China.....
NOA	Osceola..... b	NPQ	St. Paul, Pribilof Islds., Alaska.....
NOB	Abarenda..... b	NPR	Dutch Harbor, Alaska.....
NOC	Orion..... b	NPS	Kodiak, Alaska.....
NOD	.....	NPT	Olongapo, P. I.....
NOE	.....	NPU	Tutuila, Samoa.....
NOF	.....	NPV	.....
NOG	Paducah..... b	NPW	Eureka, Cal.....
NOH	.....	NPX	.....
NOI	.....	NPY	St. George, Pribilof Islds., Alaska.....
NOJ	Panther..... b	NPZ	.....
NOK	Patterson..... b	NQA	.....
NOL	Patapasco..... b	NQB	.....
NOM	Patuxent..... b	NQC	.....
NON	Paulding..... b	NQD	.....
		NQE	.....
		NQF	Pompey..... b
		NQG	.....

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.
NQH	.....	NSF	.....
NQI	.....	NSG	.....
NQJ	Isla de Luzon.....b	NSH	.....
NQK	Potomac.....b	NSI	.....
NQL	Machias.....b	NSJ	.....
NQM	Prairie.....b	NSK	Yankton.....b
NQN	Preble.....b	NSL	Gloucester.....b
NQO	Preston.....b	NSM	.....
NQP	Princeton.....b	NSN	.....
NQQ	Monocacy.....b	NSO	.....
NQR	Prometheus.....b	NSP	.....
NQS	Palos.....b	NSQ	Smith.....t
NQT	Pampanga.....b	NSR	Stranger.....b
NQU	.....	NSS	.....
NQV	Sacramento.....b	NST	Solace.....b
NQW	.....	NSU	Vixen.....b
NQX	Yorktown.....b	NSV	Wasp.....b
NQY	Albatross.....b	NSW	South Carolina.....b
NQZ	.....	NSX	South Dakota.....b
NRA	Algonquin.....b	NSY	.....
NRB	Bear.....b	NSZ	.....
NRC	Morrill.....b	NTA	Ontario.....b
NRD	Androscoggin.....b	NTB	Sterrett.....b
NRE	Seneca.....b	NTC	Stewart.....b
NRF	Snohomish.....b	NTD	Rainbow.....b
NRG	Gresham.....b	NTE	Raleigh.....b
NRH	McCulloch.....b	NTF	St. Louis.....b
NRJ	Itasca.....b	NTG	Sonoma.....b
NRJ	Ossipee.....b	NTH	.....
NRK	.....	NTI	.....
NRL	Tuscarora.....b	NTJ	.....
NRM	Mohawk.....b	NTK	Supply.....b
NRN	Manning.....b	NTL	Sylph.....b
NRO	Onondaga.....b	NTM	.....
NRP	Apache.....b	NTN	.....
NRQ	Miami.....b	NTO	.....
NRR	Pamlico.....b	NTP	Salem.....b
NRS	Seminole.....b	NTQ	San Francisco.....b
NRT	Thetis.....b	NTR	Saratoga.....b
NRU	Acushnet.....b	NTS	.....
NRV	Tallapoosa.....b	NTT	Scorpion.....b
NRW	Comanche.....b	NTU	Reid.....b
NRX	Unalga.....b		
NRY	Yamacraw.....b		
NRZ	New London, Conn.....c		
NSA	.....		
NSB	.....		
NSC	.....		
NSD	.....		
NSE	.....		

## LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.
NTV	.....	NVG	.....
NTW	.....	NVH	.....
NTX	Rhode Island.....b	NVI	.....
NTY	.....	NVJ	.....
NTZ	Roe.....b	NVK	Vermont.....b
NUA	Tacoma.....b	NVL	.....
NUB	.....	NVM	Vesuvius.....b
NUC	Tallahassee.....b	NVN	Vicksburg.....b
NUD	.....	NVO	.....
NUE	.....	NVP	Villalobos.....b
NUF	.....	NVQ	.....
NUG	Tennessee.....b	NVR	Virginia.....b
NUH	.....	NVS	Farragut.....b
NUI	Terry.....b	NVT	Vulcan.....b
NUJ	.....	NVU	.....
NUK	.....	NVV	.....
NUL	.....	NVW	.....
NUM	.....	NVX	.....
NUN	Tonapah.....b	NVY	.....
NUO	.....	NVZ	.....
NUP	.....	NWA	.....
NUQ	Trippe.....b	NWB	.....
NUR	.....	NWC	.....
NUS	Truxton.....b	NWD	Warrington.....b
NUT	.....	NWE	Washington.....b
NUU	.....	NWF	.....
NUV	.....	NWG	West Virginia.....b
NUW	.....	NWH	Wheeling.....b
NUX	Sotoyomo.....b	NWI	Whipple.....b
NUY	.....	NWJ	.....
NUZ	.....	NWK	Wilmington.....b
NVA	.....	NWL	Walke.....b
NVB	.....	NWM	Wisconsin.....b
NVC	.....	NWN	.....
NVD	.....	NWO	.....
NVE	Utah.....b	NWP	Worden.....b
NVF	Uncas.....b	NWQ	Wyoming.....b
		NWR	.....
		NWS	.....

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.
NWT	.....	NYE	H-3..... b
NWU	.....	NYF	K-1..... b
NWV	.....	NYG	K-2..... b
NWW	.....	NYH	K-3..... b
NWX	.....	NYI	K-4..... b
NWY	.....	NYJ	K-5..... b
NWZ	.....	NYK	K-6..... b
NXA	.....	NYL	K-7..... b
NXB	.....	NYM	K-8..... b
NXC	.....	NYN	.....
NXD	.....	NYO	.....
NXE	.....	NYP	.....
NXF	.....	NYQ	.....
NXG	.....	NYR	.....
NXH	.....	NYS	.....
NXI	.....	NYT	.....
NXJ	.....	NYU	.....
NXK	.....	NYV	.....
NXL	.....	NYW	.....
NXM	.....	NYX	.....
NXN	.....	NYZ	.....
NXO	.....	NZA	.....
NXP	.....	NZB	.....
NXQ	.....	NZC	.....
NXR	.....	NZD	.....
NXS	E-1..... b	NZE	.....
NXT	E-2..... b	NZF	.....
NXU	F-1..... b	NZG	.....
NXV	F-2..... b	NZH	.....
NXW	F-3..... b	NZI	.....
NXX	F-4..... b	NZJ	.....
NXY	G-1..... b	NZK	.....
NXZ	G-2..... b	NZL	.....
NYA	G-3..... b	NZM	.....
NYB	G-4..... b		
NYC	H-1..... b		
NYD	H-2..... b		

## LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.
NZN	.....	WBD	Santa Cruz..... b
NZO	.....	WBE	Cacique..... b
NZP	.....	WBF	Boston, Mass..... c
NZQ	.....	WBG	Venezuela..... b
NZR	.....	WBH	Colombia..... b
NZS	.....	WBI	D., L. & W. R. R. limited train..... c
NZT	.....	WBJ	Santa Barbara..... b
NZU	.....	WBK	Breakwater..... b
NZV	.....	WBL	Buffalo, N. Y..... c
NZW	Washington, D. C..... c	WBM	Redondo..... b
NZX	El Roscoe..... b	WBN	Ecuador..... b
NZY	Anchorage, Alaska..... c	WBO	Nann Smith..... b
NZZ	.....	WBP	Hermosa..... b
WAA	Alameda..... b	WBQ	.....
WAB	Admiral Evans..... b	WBR	.....
WAC	Chicago..... b	WBS	Baltimore, Md..... c
WAD	Victoria..... b	WBT	Binghamton, N. Y..... c
WAE	.....	WBU	Hoboken, N. J..... c
WAF	Admiral Farragut..... b	WBV	Cabrillo..... b
WAG	.....	WBW	Burrwood, La..... c
WAH	Dora..... b	WBX	Dover, N. J..... c
WAI	Latouche..... b	WBY	.....
WAJ	Jefferson..... b	WBZ	.....
WAK	Valdez..... b	WCA	Tionesta..... b
WAL	Santa Ana..... b	WCB	Juniata..... b
WAM	.....	WCC	South Wellfleet, Mass..... c
WAN	Northwestern..... b	WCD	Octorara..... b
WAO	.....	WCE	.....
WAP	.....	WCF	Favorite..... b
WAQ	.....	WCG	Brooklyn, N. Y..... c
WAR	Cordova..... b	WCH	Boston, Mass..... c
WAS	.....	WCI	Newport, R. I..... c
WAT	.....	WCJ	.....
WAU	Dolphin..... b	WCK	Gettysburg..... b
WAV	Seward..... b	WCL	Mooremack..... b
WAW	Admiral Watson..... b	WCM	Calumet, Mich..... c
WAX	.....	WCN	North Land..... b
WAY	Admiral Dewey..... b	WCO	.....
WAZ	Admiral Schley..... b	WCP	.....
WBA	Santa Clara..... b	WCQ	.....
WBB	Santa Cecilia..... b	WCR	The Harvester..... b
WBC	Santa Catalina..... b	WCS	.....
		WCT	Theodore Roosevelt..... b
		WCU	Conneaut..... b
		WCV	The Limit..... b
		WCW	Nokomis..... b
		WCX	Cleveland, Ohio..... c
		WCY	Cape May, N. J..... c
		WCZ	Illinois..... b

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.
WDA	Pere Marquette.....b	WEU	.....
WDB	Pere Marquette 19.....b	WEV	Conneaut Harbor, Ohio.....c
WDC	Pere Marquette 17.....b	WEW	Marquette & Bessemer No. 1. b
WDD	Pere Marquette 18.....b	WEX	Marquette & Bessemer No. 2. b
WDE	Pere Marquette 20.....b	WEY	Alvina.....b
WDF	.....	WEZ	Ashtabula.....b
WDG	.....	WFA	Georgia.....b
WDH	Petoskey.....b	WFB	Alabama.....b
WDI	City of South Haven.....b	WFC	Indiana.....b
WDJ	Lakeport.....b	WFD	Nevada.....b
WDK	Lakewood.....b	WFE	Carolina.....b
WDL	Lakeland.....b	WFF	.....
WDM	Duluth, Minn.....c	WFG	Arizona.....b
WDN	Ann Arbor No. 3.....b	WFH	Virginia.....b
WDO	Ann Arbor No. 4.....b	WFI	Chicago.....b
WDP	Ann Arbor No. 5.....b	WFJ	Christopher Columbus.....b
WDQ	.....	WFK	Frankfort, Mich.....c
WDR	Detroit, Mich.....c	WFL	.....
WDS	City of Grand Rapids.....b	WFM	Fort Morgan, Ala.....c
WDT	City of St. Joseph.....b	WFN	.....
WDU	Puritan.....b	WFO	.....
WDV	City of Benton Harbor.....b	WFP	City of Erie.....b
WDW	Holland.....b	WFQ	City of Buffalo.....b
WDX	.....	WFR	State of Ohio.....b
WDY	Lydonia.....b	WFS	Seeandbee.....b
WDZ	.....	WFT	.....
WEA	City of Cleveland III.....b	WFU	.....
WEB	City of Mackinac II.....b	WFW	Manitou.....b
WEC	City of Detroit II.....b	WFX	Missouri.....b
WED	Western States.....b	WFY	Sialia.....b
WEE	Eastern States.....b	WFZ	.....
WEF	City of Detroit III.....b	WGA	City of Seattle.....b
WEG	City of St. Ignace.....b	WGB	.....
WEH	City of Alpena II.....b	WGC	.....
WEI	.....	WGD	.....
WEJ	.....	WGE	Spokane.....b
WEK	Minnesota.....b	WGF	Galatea.....b
WEL	.....	WGG	Tuckerton, N. J.....c
WEM	.....	WGH	Grand Haven, Mich.....c
WEN	North American.....b	WGI	Ravalli.....b
WEO	South American.....b	WGJ	.....
WEP	.....	WPK	Curaçao.....b
WEQ	.....	WGL	.....
WER	.....	WGM	.....
WES	.....		
WET	.....		



## LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.
WGN	.....	WIM	Northern Pacific.....b
WGO	Chicago, Ill.....c	WIN	Colusa.....b
WGP	President.....b	WIO	.....
WGQ	City of Puebla.....b	WIP	.....
WGR	Governor.....b	WIQ	.....
WGS	Senator.....b	WIR	Great Northern.....b
WGT	Congress.....b	WIS	E. R. Sterling.....b
WGU	Umatilla.....b	WIT	.....
WGV	Galveston, Tex.....c	WIU	Restorer.....b
WGW	.....	WIV	George E. Paddleford.....b
WGX	Queen.....b	WIW	J. N. Danziger.....b
WGY	City of Topeka.....b	WIX	St. Petersburg, Fla.....c
WGZ	Guardian.....b	WIY	.....
WHA	Cape Hatteras (Buxton), N.C.c	WIZ	Benton Harbor, Mich.....c
WHB	New York, N. Y.....c	WJA	Gov. Forbes.....b
WHC	Columbia.....b	WJB	.....
WHD	.....	WJC	.....
WHE	Philadelphia, Pa.....c	WJD	.....
WHF	.....	WJE	.....
WHG	W. B. Flint.....b	WJF	.....
WHH	St. Frances.....b	WJG	.....
WHI	New York, N. Y.....c	WJH	.....
WHJ	Sierra.....b	WJI	.....
WHK	New Orleans, La.....c	WJJ	.....
WHL	Ventura.....b	WJK	.....
WHM	Sonoma.....b	WJL	.....
WHN	.....	WJM	.....
WHO	Colon.....b	WJN	.....
WHP	Mariposa.....b	WJO	.....
WHQ	Mackinac Island, Mich.....c	WJP	.....
WHR	.....	WJQ	.....
WHS	Adeline Smith.....b	WJR	.....
WHT	Whittier.....b	WJS	.....
WHU	.....	WJT	.....
WHV	.....	WJU	.....
WHW	Mackinaw.....b		
WHX	Humboldt.....b		
WHY	.....		
WHZ	.....		
WIA	Gold Shell.....b		
WIB	Silver Shell.....b		
WIC	Pearl Shell.....b		
WID	Charles E. Harwood.....b		
WIE	Edward L. Doheny.....b		
WIF	Herbert G. Wylie.....b		
WIG	Norman Bridge.....b		
WIH	C. A. Canfield.....b		
WII	Belmar, N. J.....c		
WIJ	.....		
WIK	Providencia.....b		
WIL	Jim Butler.....b		

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.
WJV	.....	WLQ	.....
WJW	Hoboken, N. J. .... c	WLR	Floridian ..... b
WJX	Jacksonville, Fla. .... c	WLS	Arborean ..... b
WJY	.....	WLT	.....
WJZ	.....	WLU	.....
WKA	Alaskan ..... b	WLV	.....
WKB	Arizonan ..... b	WLW	.....
WKC	Californian ..... b	WLX	.....
WKD	Dakotan ..... b	WLY	.....
WKE	Kentuckian ..... b	WLZ	.....
WKF	American ..... b	WMA	Multnomah ..... b
WKG	Georgian ..... b	WMB	Mobile, Ala. .... c
WKH	Honolulan ..... b	WMO	Santa Rita ..... b
WKI	Isthmian ..... b	WMD	.....
WKJ	Iowan ..... b	WME	Milwaukee, Wis. .... c
WKK	Kansas ..... b	WMF	Celilo ..... b
WKL	Mexican ..... b	WMG	Wapama ..... b
WKM	Minnesotan ..... b	WMH	.....
WKN	Montanan ..... b	WMI	Minnesota ..... b
WKO	Oregonian ..... b	WMJ	.....
WKP	Pennsylvanian ..... b	WMK	Hyades ..... b
WKQ	Ohioan ..... b	WML	Lurline ..... b
WKR	Panaman ..... b	WMM	Hilonian ..... b
WKS	Columbian ..... b	WMN	Enterprise ..... b
WKT	Texan ..... b	WMO	Wilhelmina ..... b
WKU	Hawaiian ..... b	WMP	Matsonia ..... b
WKV	Virginian ..... b	WMQ	Manoa ..... b
WKW	Artisan ..... b	WMR	.....
WKX	Missourian ..... b	WMS	.....
WKY	Rockingham ..... b	WMT	.....
WKZ	Alamance ..... b	WMU	Anne W. .... b
WLA	.....	WMV	.....
WLB	.....	WMW	Manitowoc, Wis. .... c
WLC	New London, Conn. .... c	WMX	Manistique, Mich. .... c
WLD	Ludington, Mich. .... c	WMY	Yucatan ..... b
WLE	.....	WMZ	.....
WLF	.....	WNA	.....
WLG	Richard ..... b	WNB	El Capitan ..... b
WLH	.....	WNC	Carlos ..... b
WLI	Iaqua ..... b	WND	Windber ..... b
WLJ	.....	WNE	Nushagak ..... b
WLK	.....	WNF	Hattie Luckenbach ..... b
WLL	.....	WNG	.....
WLM	.....	WNH	Lewis Luckenbach ..... b
WLN	.....		
WLO	.....		
WLP	.....		

## LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.
WNI	.....	WOZ	.....
WNJ	Navajo..... b	WPA	.....
WNK	Al-Ki..... b	WPB	.....
WNL	Diamond Head..... b	WPC	Tyee..... b
WNM	Florence Luckenbach..... b	WPD	Tampa, Fla..... c
WNN	Corwin..... b	WPE	Tatoosh..... b
WNO	Pavlof..... b	WPF	.....
WNP	Pleiades..... b	WPG	Goliah..... b
WNQ	.....	WPH	S. M. Fischer..... b
WNR	.....	WPI	.....
WNS	Kvichak..... b	WPJ	.....
WNT	New York, N. Y..... c	WPK	.....
WNU	New Orleans, La..... c	WPL	Seafarer..... b
WNV	Portland..... b	WPM	.....
WNW	San Ramon..... b	WPN	Pioneer..... b
WNX	.....	WPO	.....
WNY	.....	WPP	.....
WNZ	.....	WPQ	Zapora..... b
WOA	Despatch..... b	WPR	Ensenada, P. R..... c
WOB	.....	WPS	Starr..... b
WOC	.....	WPT	Davenport, Iowa..... c
WOD	.....	WPU	New Prague, Minn..... c
WOE	.....	WPV	.....
WOF	.....	WPW	.....
WOG	.....	WPX	Oneonta..... b
WOH	Expansion..... b	WPY	Wallula..... b
WOI	Akron, Ohio..... c	WPZ	Joseph Pulitzer..... b
WOJ	.....	WQA	Inco No. 1..... b
WOK	Detroit, Mich..... c	WQB	.....
WOL	Los Angeles..... b	WQC	Camino..... b
WOM	.....	WQD	.....
WON	La Brea..... b	WQE	.....
WOO	.....	WQF	.....
WOP	.....	WQG	.....
WOQ	.....	WQH	.....
WOR	California..... b	WQI	Costa Rica..... b
WOS	Samson..... b	WQJ	.....
WOT	Coalinga..... b	WQK	.....
WOU	Oregon..... b	WQL	.....
WOV	Venetia..... b	WQM	Navassa Isd., W. I..... c
WOW	Henry J. Biddle..... b		
WOX	.....		
WOY	.....		

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.
WQN	.....	WRZ	.....
WQO	.....	WSA	Ashtabula, Ohio..... c
WQP	Canton, Ohio..... c	WSB	.....
WQQ	.....	WSC	Siasconset, Mass..... c
WQR	.....	WSD	.....
WQS	Speedwell..... b	WSE	Seagate, N. Y..... c
WQT	.....	WSF	Grace Dollar..... b
WQU	.....	WSG	Norwood..... b
WQV	Mt. Vernon, Ohio..... c	WSH	.....
WQW	.....	WSI	Sault Ste. Marie, Mich..... c
WQX	.....	WSJ	John A. Hooper..... b
WQY	Yosemite..... b	WSK	Sagaponack, N. Y..... c
WQZ	.....	WSL	Sayville, Long Island, N. Y. c
WRA	Henry T. Scott..... b	WSM	.....
WRB	Berlin..... b	WSN	Centralia..... b
WRC	J. B. Stetson..... b	WSO	Coronado..... b
WRD	.....	WSP	.....
WRE	J. A. Moffett..... b	WSQ	.....
WRF	.....	WSR	Reuce..... b
WRG	Passagrilla, Fla..... c	WSS	St. Nicholas..... b
WRH	Harvard..... b	WST	Miami, Fla..... c
WRI	Paraiso..... b	WSU	.....
WRJ	Aroline..... b	WSV	Savannah, Ga..... c
WRK	.....	WSW	Willamette..... b
WRL	.....	WSX	Klamath..... b
WRM	.....	WSY	Virginia Beach, Va..... c
WRN	.....	WSZ	.....
WRO	Isle Royal, Mich..... c	WTA	Erskine M. Phelps..... b
WRP	Dauntless..... b	WTB	Argyll..... b
WRQ	Defiance..... b	WTC	Lansing..... b
WRR	Fearless..... b	WTD	Oleum..... b
WRS	Hercules..... b	WTE	Tamesi..... b
WRT	Sea Rover..... b	WTF	Santa Maria..... b
WRU	.....	WTG	Santa Rita..... b
WRV	.....	WTH	.....
WRW	.....	WTI	Catania..... b
WRX	.....	WTJ	.....
WRY	Yale..... b	WTK	J. A. Chanslor..... b
		WTM	W. S. Porter..... b
		WTN	Wm. F. Herrin..... b
		WTO	Frank H. Buck..... b
		WTP	Scranton, Pa..... c
		WTQ	El Segundo..... b
		WTR	Richmond..... b
		WTS	Col. E. L. Drake..... b
		WTT	Atlas..... b
		WTU	S. O. Co. No. 91..... b
		WTV	Captain A. F. Lucas..... b
		WTW	Maverick..... b
		WTX	Asuncion..... b

## LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.
WTY	S. O. Co. No. 93..... b	WWD	..... b
WTZ	S. O. Co. No. 95..... b	WWE	Manchuria..... b
WUA	Fort Andrews, Mass..... c	WWF	City of Para..... b
WUB	Fort Hancock, N. J..... c	WWG	City of Sydney..... b
WUC	Fort H. G. Wright, N. Y..... c	WWH	Newport..... b
WUD	Fort Leavenworth, Kans..... c	WWI	Pennsylvania..... b
WUE	Fort Levett, Me..... c	WWJ	Peru..... b
WUF	Fort Monroe, Va..... c	WWK	Korea..... b
WUG	Fort Monroe, Va..... c	WWL	San Jose..... b
		WWM	San Juan..... b
		WWN	Mongolia..... b
WUH	.....		
WUI	Fort Riley, Kans..... c	WVO	.....
WUJ	Fort Sam Houston, Tex..... c		
WUK	Fort Stevens, Oreg..... c	WVP	.....
WUL	Fort Totten, N. Y..... c	WWQ	Aztec..... b
WUM	Fort Wood, N. Y..... c	WWR	Rose City..... b
WUN	Fort Worden, Wash..... c	WWS	Alaska..... b
WUO	Fort Winfield Scott, Cal..... c		
WUP	Washington, D. C..... c	WWT	.....
WUQ	Washington, D. C..... c		
WUR	Fort Morgan, Ala..... c	WUU	.....
WUS	Fort Rosecrans, Cal..... c		
WUT	Fort Caswell, N. C..... c	WVV	.....
WUU	Fort Adams, R. I..... c		
WUV	Fort Leavenworth, Kans..... c	WWW	.....
WUW	Fort Terry, N. Y..... c		
WUX	Fort Crockett, Tex..... c	WWX	.....
WUY	Fort San Jacinto, Tex..... c		
WUZ	Brownsville, Tex..... c	WWY	.....
WVA	Circle City, Alaska..... c		
WVB	Fairbanks, Alaska..... c	WWZ	.....
WVC	Fort Egbert, Alaska..... c	WXA	Buford..... b
WVD	Fort Gibbon, Alaska..... c	WXB	Crook..... b
WVE	Fort St. Michael, Alaska..... c	WXC	Dix..... b
WVF	Kotlik, Alaska..... c	WXD	Kilpatrick..... b
WVG	Nome, Alaska..... c	WXE	Liscum..... b
WVH	Nulato, Alaska..... c	WXF	Logan..... b
WVI	Petersburg, Alaska..... c	WXG	Meade..... b
WVJ	Wrangell, Alaska..... c	WXH	McClellan..... b
		WXI	Merritt..... b
WVK	.....	WXJ	Sheridan..... b
WVL	Fort Frank, P. I..... c	WKK	Sherman..... b
WVM	Fort Hughes, P. I..... c	WXL	Sumner..... b
WVN	Fort Mills, P. I..... c	WXM	Thomas..... b
WVO	Davao, P. I..... c	WXN	Warren..... b
WVP	Fort Drum, P. I..... c		
WVQ	Fort Wm. McKinley, P. I..... c	WXO	.....
WVR	Fort Wint, P. I..... c		
WVS	Jolo, P. I..... c	WXP	.....
WVT	Malabang, P. I..... c		
WVU	Manila, P. I..... c	WXQ	.....
WVV	Puerto Princesa, P. I..... c	WXR	Burnside..... b
WVW	Zamboanga, P. I..... c		
WVX	Cuyo, P. I..... c	WXS	.....
WVY	San Jose, P. I..... c	WXT	Joseph Henry..... b
WVZ	Fort Mills, P. I..... c	WXU	Navesink..... b
WVA	China..... b		
WVB	Beaver..... b	WXV	.....
		WXW	General John M. Scofield.... b
WVC	.....		

LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Station.	Call signal.	Station.
WXX	.....	WZC	Fort Whitman, Wash.....c
WXY	.....	WZD	Fort Barrancas, Fla.....c
WYZ	.....	WZE	Fort Constitution, N. H.....c
WYA	General Royal T. Frank.....b	WZF	Fort Moultrie, S. C.....c
WYB	General S. N. Mills.....b	WZG	Fort De Russey, Hawaii.....c
WYC	Major Samuel Ringgold.....b	WZH	.....
WYD	General Henry J. Hunt.....b	WZI	.....
WYE	General Henry Knox.....b	WZJ	.....
WYF	General E. O. C. Ord.....b	WZK	Fort Dade, Fla.....c
WYG	Colonel Geo. Armistead.....b	WZL	Steamship Buckroe.....c
WYH	General Robert Anderson.....b	WZM	Steamship Anderson.....c
WYI	Captain Chas. W. Rowell.....b	WZN	.....
WYJ	General A. M. Randol.....b	WZO	.....
WYK	General Harvey Brown.....b	WZP	.....
WYL	General R. B. Ayres.....b	WZQ	General Timothy Pickering..b
WYM	Captain James Fornance.....b	WZR	General Nathanael Greene..b
WYN	Reno.....b	WZS	Henry Wilson.....b
WYO	Major Evan Thomas.....b	WZT	General George H. Weeks...b
WYP	Captain Gregory Barrett.....b	WZU	Sprigg Carroll.....b
WYQ	Major Albert G. Forse.....b	WZV	General J. M. Brannan.....b
WYR	Lieutenant Geo. M. Harris...b	WZW	General R. N. Batchelder...b
WYS	General G. W. Getty.....b	WZX	.....
WYT	Captain A. M. Wetherill.....b	WZY	.....
WYU	General Robt. Swartout.....b	WZZ	.....
WYV	General S. B. Holabird.....b		
WYW	General R. H. Jackson.....b		
WYX	.....		
WYY	General Richard Arnold.....b		
WYZ	Captain T. M. Morrison.....b		
WZA	Fort Screven, Ga.....c		
WZB	Fort Howard, Md.....c		

## SPECIAL LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS.

[ Variable wave lengths authorized for experimental purposes are indicated by an asterisk (\*). ]

Station.	Call signal.	Wave lengths.	Service.	Hours.	Station controlled by—
Agricultural College, N. Dak.	9YG	300, 500*	P	X	N. Dak. Agr. College.
Aldene, N. J.	2XL	300, 600, 1800.	P	X	Marconi Co.
Algona, Wash.	7XU	300, 600, 4000*	P	X	Universal High Power Telph. Co.
Ames, Iowa.	9YI	300*	P	X	Iowa State College of Agr. and Mech. Arts.
Athens, Ohio.	8YP	300, 425.	P	X	Ohio Univ.
Auburn, Ala.	5YA	1625, 1800.	P	X	Ala. Polytechnic Inst.
Auburn, N. Y.	8YA	300, 440, 500, 600.	P	(1)	Edward L. Colby (Colby's Telgh. School).
Bakersfield, Cal.	6ZW	200, 425.	P	X	Lindley Winaer.
Battle Creek, Mich.	8ZC	200, 425.	P	X	Bert E. Clough.
Beeville, Tex.	5ZN	200, 450.	P	X	Ed. Nettleton.
Beloit, Wis.	9XB	900*	P	X	Beloit College.
Berkeley, Cal.	6XB	200 to 3000*	P	X	Univ. of California.
Berkeley, Cal.	6XR	300, 600*	P	X	Frank Rieber.
Beverly Farms, Mass.	1ZH	200, 300, 425, 600.	P	X	Wilbur H. Hardy.
Bozeman, Mont.	7ZD	200, 425.	P	X	R. Earl Dawes.
Buffalo, N. Y.	8ZB	200, 300, 425, 600.	P	X	Nelson E. Holt.
Burlington, Iowa.	9XL	500*	P	X	William W. Peters (Burlington High School).
Cambridge, Mass.	1XO	300, 600*	P	X	General Radio Co.
Cambridge, Mass.	1XP	300, 550, 600.	P	X	George W. Pierce.
Cambridge, Mass.	1XU	600*	P	X	Cutting & Washington (Inc.).
Cambridge, Mass.	1YH	300, 550, 600*	P	X	Harvard Univ.
Canal Dover, Ohio.	8ZX	200, 450.	P	X	Harry S. Weber.
Charleston, S. C.	4YC	300, 600.	P	X	The Citadel, S. C. Mil. Acad.
Chelsea, Mass.	1XC	300, 600*	P	X	Wm. J. Murdock Co.
Cincinnati, Ohio.	8ZF	200, 425.	P	X	Henry M. Rubel, jr.
Cincinnati, Ohio.	8ZH	200, 300, 400.	P	X	Clayton M. Howe (Hughes High School).
Cleveland, Tenn.	5ZH	425.	P	X	W. O. Horner.
Columbia, Mo.	9YS	300, 375.	P	X	Univ. of Missouri (School of Engineering).
Columbia, Mo.	9XQ	425, 800.	P	X	Univ. of Missouri.
Columbus, Ohio.	8YO	400.	P	X	Ohio State Univ.
Dallas, Tex.	5ZC	200, 300, 425.	P	X	Frank M. Corlett.
Davenport, Iowa.	9XE	300.	P	X	William H. Kirwan.

<sup>1</sup> 9 a. m. to 9.30 a. m.; 2 p. m. to 2.30 p. m.; and on Mondays, Wednesdays, and Fridays, 7 p. m. to 7.30 p. m.

SPECIAL LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

[Variable wave lengths authorized for experimental purposes are indicated by an asterisk (\*).]

Station.	Call signal.	Wave lengths.	Service.	Hours.	Station controlled by—
Denver, Colo. ....	9ZA	450, 500, 750. ....	P	X	Capt. E. A. Smith (Co. A, Signal Corps, Colo. N. G.).
Denver, Colo. ....	9ZD	200, 425. ....	P	X	Edward C. Stockman.
Denver, Colo. ....	9ZF	425, 550, 800. ....	P	X	Capt. E. A. Smith. (Co. A, Signal Corps, Colo. N. G.).
Eldora, Iowa. ....	9ZI	200, 425. ....	P	X	Donald R. Lewis.
Elmira, N. Y. ....	8ZE	200, 425. ....	P	X	Harry E. Fitch.
Fall River, Mass. ....	1ZF	200, 300, 425, 600..	P	X	Harold C. Bowen.
Fargo, N. Dak. ....	9YF	300, 600. ....	P	X	Theo. L. Wanner.
Farmington, Conn. ....	1ZZ	200, 300, 425, 600..	P	X	David Lyon Moore.
Fayetteville, Ark. ....	5YM	200, 400. ....	P	X	Univ. of Arkansas.
Friendship Heights, Md. ....	3ZF	200, 250. ....	P	X	John V. Pursell.
Fruitvale, Cal. ....	6XN	300, 600* . ....	P	X	National Wireless Telph. & Telgh. Co.
Gloucester, Mass. ....	1XI	300, 600* . ....	P	X	John Hays Ham- mond, jr.
Grand Coteau, La. ....	5ZQ	450. ....	P	X	St. Charles College.
Grand Forks, N. Dak. ....	9XN	1,500* . ....	P	X	Univ. of North Da- kota.
Hamilton, Ohio. ....	8ZU	200, 300, 425. ....	P	X	Doron Bros. Electric Co.
Hartford, Conn. ....	1ZM	200, 300, 425, 600..	P	(1)	Hiram Percy Maxim.
Hartford, Conn. ....	1ZT	200, 300, 425, 600..	P	X	Clarence D. Tuska.
Hoquiam, Wash. ....	7ZA	200, 300, 425, 600..	P	X	Donald E. McGee.
Hyattsville, Md. ....	3XR	300, 400, 600. ....	P	X	J. Harris Rogers.
Indianapolis, Ind. ....	9YK	200, 450. ....	P	X	James E. Weyant (Shortridge High School).
Iowa City, Iowa. ....	9YA	500, variable un- der 600 and over 1600.	P	X	State Univ. of Iowa.
Ironton, Ohio. ....	8ZG	200, 425. ....	P	X	Henry W. Campbell.
Ithaca, N. Y. ....	8XT	(*) . ....	P	X	Cornell Univ.
Jacksonville, Ill. ....	9YH	* to 425. ....	P	X	Illinois Woman's Col- lege.
Kansas City, Mo. ....	9XH	(*) . ....	P	X	Harry D. Betz.
Kansas City, Mo. ....	9XK	(*) . ....	P	X	Robert R. Moore.
Kansas City, Mo. ....	9YU	200, 300. ....	P	X	Field Co. A, Signal Corps, Mo. N. G.
Key West, Fla. ....	4XA	200, 600. ....	P	X	George W. Almour.
Lacey, Wash. ....	7YS	300, 450, 600. ....	P	X	St. Martin's College.
La Grande, Oreg. ....	7ZH	200, 300, 425. ....	P	X	Orland M. Heacock.
Lake Geneva, Wis. ....	9YW	300, 425. ....	P	X	Northwestern Mil. and Naval Acad.
Lake Geneva, Wis. ....	9YX	300, 425. ....	P	X	Northwestern Mil. and Naval Acad.
Lamoni, Iowa. ....	9YO	200, 350, 425. ....	P	X	Graceland College.
Lawrence, Kans. ....	9XP	400, 550, 800* . ....	P	X	Univ. of Kansas.
Lewiston, Mont. ....	7ZC	200, 425. ....	P	X	Arthur C. Campbell.
Lexington, Ky. ....	9YL	500, 1800. ....	P	X	Otto Holstein (Co. A, Signal Corps, Ky. N. G.).
Lexington, Mass. ....	1ZD	200, 300, 425, 600..	P	X	Samuel W. Dean.
Lima, Ohio. ....	8YL	200, 425. ....	P	X	J. E. Collins.

17 p. m. to 10.30 p. m.



## SPECIAL LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

[Variable wave lengths authorized for experimental purposes are indicated by an asterisk (\*).]

Station.	Call signal.	Wave lengths.	Serv-ice.	Hours.	Station controlled by—
Little Rock, Ark....	5XF	(*) .....	P	X	Arthur R. McCreary.
Little Rock, Ark....	5XO	625* .....	P	X	Ed Cornish.
Los Angeles, Cal....	6XL	600* .....	P	X	Y. M. C. A.
Los Angeles, Cal....	6YL	.....	P	X	High School.
Louisville, Ill....	9ZL	200, 425 .....	P	( <sup>1</sup> )	Cecil Bridges.
Madison, Wis....	9XM	2000, 2200 .....	P	X	Univ. of Wisconsin.
Marion, Ohio....	8ZD	200, 425 .....	P	X	Keith Henney.
Marlboro, Mass....	1XS	300, 600* .....	P	X	Louis W. Stevens.
Media, Pa....	3XO	300, 400, 600 .....	P	X	Simon Delbert, jr.
Memphis, Tenn....	5XC	425, variable to 600 .....	P	X	Christian Bros. Col- lege.
Memphis, Tenn....	5ZD	296 .....	P	X	C. B. De La Hunt.
Minneapolis, Minn..	9ZE	(*) .....	P	X	Philip E. Edelman.
Minneapolis, Minn..	9ZM	200, 425 .....	P	X	Marc Frazer.
Mobile, Ala....	5ZM	200, 300, 450 .....	P	X	Ben W. Martin.
Montauk, Long Is- land, N. Y.	2XE	300, 600* .....	P	X	Western Electric Co.
Montclair, N. J....	2ZI	200, 325 .....	P	X	Alfred P. Morgan (Adams-Morgan Co.).
Monterey, Cal....	6XE	300, 600* .....	P	X	National Radio Co.
Montgomery, Ala....	5ZI	500, 1650, 1800 .....	P	X	Wm. H. Amerine (1st Field Co., Signal Corps, Ala. N. G.).
Morgantown, W. Va.	8XG	650 .....	P	X	C. W. Waggoner (W. Va. Univ.).
New Bedford, Mass..	1ZN	200, 300, 425, 600 ..	P	( <sup>2</sup> )	Milton A. Baylies.
New Braunfels, Tex.	5ZB	200, 450 .....	P	X	Arthur E. Mollen- hauer.
New Castle, Pa....	8ZN	200, 425 .....	P	X	R. L. Patch.
New Orleans, La....	5XM	300, 600 .....	P	X	Marconi Co.
New Rochelle, N. Y.	2ZK	280, 425 .....	P	X	George C. Cannon.
New York, N. Y....	2XG	300, 350, 600, 850, 1800, 2500 .....	P	X	Radio Telph. & Telgh. Co.
New York, N. Y....	2XH	300, 540, 600, 800 ..	P	X	Walter G. Hudson.
New York, N. Y....	2XM	300, 600, 1800 .....	P	X	John H. Morecroft (Columbia Univ.).
New York, N. Y....	2XN	300, 600 .....	P	X	Alfred N. Goldsmith (College of the City of N. Y.).
New York, N. Y....	2XR	(*) .....	P	X	Marconi Co.
New York, N. Y....	2XU	300, 600, 2000, 40000* .....	P	X	Peter Cooper Hewitt.
New York, N. Y....	2YM	300, 400, 600, 2400 ..	P	X	Y. M. C. A. Telgh. School.
New York, N. Y....	2ZA	300, 450, 600 .....	P	X	New York Police Dept.
Northampton, Mass.	1ZL	200, 300, 425, 600 ..	P	X	Dean A. Lewis and Glen C. Sabin.
Nutley, N. J....	2ZH	300, 450, 600 .....	P	X	Arthur A. Hebert.
Oil City, Pa....	8YW	200, 450 .....	P	X	Clarence M. Wickes (Electra Club).
Omaha, Nebr....	9XU	800 .....	P	X	Union Pacific R. R. Co.
Orono, Me....	1XK	280, 590, 800 .....	P	X	Univ. of Maine.
Oakland, Cal....	6XC	300, 550, 600* .....	P	X	Lewis M. Clement.
Oakland, Cal....	6XT	300, 600, 800* .....	P	X	Howard H. Tremble.

<sup>1</sup> 11.55 a. m. to 1 p. m.; 6.30 p. m. to 11 p. m.<sup>2</sup> Continuous during day and from 6 p. m. to 9 p. m.

SPECIAL LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

[Variable wave lengths authorized for experimental purposes are indicated by an asterisk (\*).]

Station.	Call signal.	Wave lengths.	Serv-ice.	Hours.	Station controlled by—
Oxford, Ohio.....	8YR	200, 425.....	P	X	Miami Univ.
Pacific Grove, Cal...	6ZB	300, 500, 600.....	P	X	Howard S. Bunting.
Philadelphia, Pa.....	3XJ	300, 500, 600.....	P	X	St. Joseph's College.
Philadelphia, Pa.....	3XC	300, 480, 600*.....	P	X	Frank B. Chambers.
Philadelphia, Pa.....	3XP	300, 400, 600.....	P	X	Simon Delbert, jr.
Pierre, S. Dak.....	9ZP	200, 425.....	P	X	Dana McNeil.
Pittsburgh, Pa.....	8XC	1800, 2100, 3000...	P	X	Carnegie Inst. of Tech- nology.
Pittsburgh, Pa.....	8XK	450, 2000*.....	P	X	Frank Conrad.
Pittsburgh, Pa.....	8YI	300, 425.....	P	X	Univ. of Pittsburgh.
Pittsburgh, Pa.....	8YZ	200, 450.....	P	X	Charles C. Dunning (Peabody High School).
Pittsfield, Mass.....	1XG	1600, 3000, 6000...	P	X	General Electric Co.
Port Chester, N. Y....	2ZP	200, 300, 425, 600..	P	X	John W. Hubbard.
Pottsville, Pa.....	8ZR	200, 425.....	P	X	Cotesworth M. Jack- son.
Providence, R. I....	1ZP	200, 300, 425, 600..	P	X	Ralph C. Watrous.
Pullman, Wash.....	7YI	500, 1750.....	P	X	State College of Wash- ington.
Rapid City, S. Dak.	9XA	(*).....	P	X	Claude C. Van Nuys (S. Dak. School of Mines).
Rapid City, S. Dak.	9ZR	200, 425.....	P	X	S. R. Halley.
Richmond, Va.....	3ZK	500*.....	P	X	Frank S. Splatt (Sig- nal Corp., Va.N.G.).
Richmond Hill, N.Y.	2ZV	300, 3500.....	P	X	Alfred H. Grebe.
Ridgway, Pa.....	8XO	300, 425.....	P	X	W.P. Osterhout (Pitts- burgh-Wireless Equipment Co.).
Riverdale, Md.....			P	X	Frank A. DeGroot.
Rockford, Ill.....	9YB	200.....	P	X	Rockford School of Engineering.
Rock Island, Ill.....	9XR	300, 500*.....	P	X	Robert K. Karlowa (Tri-City Radio Lab.).
Rockland, Me.....	1ZR	200, 300, 425, 600..	P	X	Edward L. Norton.
Salt Lake City, Utah	6ZI	200, 425.....	P	X	Stephen H. Besley.
Salt Lake City, Utah	6ZV	200, 300, 425.....	P	X	Julian G. McCollom.
San Antonio, Tex...	5ZF	300, 450, 600.....	P	(1)	Sidney Friedrich.
San Antonio, Tex...	5ZR	200, 300, 450.....	P	(1)	John C. Rodriguez.
San Diego, Cal.....	6YS	300, 500, 600.....	P	X	Southern Electrical Co.
San Francisco, Cal..	6XA	300, 600*.....	P	X	Howard G. Aylsworth.
San Francisco, Cal..	6XH	300, 600*.....	P	X	Wm. W. Hanscom.
San Francisco, Cal..	6XI	300, 600*.....	P	X	Clarence W. Smith.
San Francisco, Cal..	6XO	300, 600*.....	P	X	Nat. Wireless Telph. & Telgh. Co.
San Jose, Cal.....	6XF	300, 600*.....	P	X	Charles D. Herrold.
Savannah, Ga.....	4XL	300, 460, 560, 600..	P	X	Claude A. Lewis and Manning White.
Schenectady, N. Y....	2XA	500, 800*.....	P	X	E. M. Kinney.
Schenectady, N. Y....	2XI	1600 to 10000*.....	P	X	General Electric Co.
Schenectady, N. Y....	2YU	300, 2000.....	P	X	Walter L. Upson (Union College).
Schenectady, N. Y....	2ZB	200, 300, 400, 500..	P	X	Wallace L. Brooks.
Seattle, Wash.....	7XE	300, 600*.....	P	X	Marconi Co.

18 p. m. to 11.30 p. m.

## SPECIAL LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

[Variable wave lengths authorized for experimental purposes are indicated by an asterisk (\*).]

Station.	Call signal.	Wave lengths.	Service.	Hours.	Station controlled by—
Seattle, Wash . . . . .	7XK	300, 600, 1000, 1400, 2000, 4000.*	P	X	Kilbourne & Clark Mfg. Co.
Seattle, Wash . . . . .	7XM	300, 600, 1400* . . . .	P	X	Wireless Instrument Co.
Seattle, Wash . . . . .	7XZ	600, 680* . . . . .	P	X	Univ. of Washington.
Shreveport, La. . . . .	5ZS	200, 425 . . . . .	P	X	Willis E. Antony.
Slingerlands, N. Y. . . . .	2XD	300, 400, 550, 600, 1000.	P	X	C. F. and B. V. Dietz.
Springfield, Ill. . . . .	9ZS	600, 1800 . . . . .	P	X	Illinois Watch Co.
Springfield, Mass. . . . .	1ZS	200, 300, 425, 600 . . . .	P	X	George U. Readio.
Springfield, Ohio. . . . .	8ZM	200, 300, 450 . . . . .	P	X	Ross McGregor.
Stillwater, Minn. . . . .	9YM	200, 300, 425 . . . . .	P	X	Co. K, 3d Infantry, Minn. N. G.
St. David's, Pa. . . . .	3ZS	425, 500 . . . . .	P	X	Charles H. Stewart.
St. Louis, Mo. . . . .	9XC	700, 825 . . . . .	P	X	Christian Bros. Col- lege.
St. Louis, Mo. . . . .	9XV	850, 1200, 1500, 2000.	P	X	Washington Univ.
St. Louis, Mo. . . . .	9XY	300, 600, 750, 1000.	P	X	St. Louis Univ.
State College, Pa. . . . .	8XE	(*) . . . . .	P	(1)	Pa. State College.
Summit, N. J. . . . .	2XW	300, 450, 600, 700, 1000.	P	X	Frank N. Waterman.
Takoma Park, Md. . . . .	3XB	500, 2000 . . . . .	P	X	Bliss Electrical School.
Tiffin, Ohio. . . . .	8ZT	200, 425 . . . . .	P	(1)	John J. Grossman.
Trinidad, Colo. . . . .	9ZB	450, 500, 750 . . . . .	P	X	E. A. Smith (Co. A, Signal Corps, Colo. N. G.).
University Place, Nebr. . . . .	9YD	300, 468 . . . . .	P	X	Nebraska Wesleyan Univ.
Upper Montclair, N. J. . . . .	2ZE	200, 325 . . . . .	P	X	Paul F. Godley.
Valparaiso, Ind. . . . .	9XD	300, 600* . . . . .	P	X	Dodge's Institute of Tech.
Vancouver, Wash. . . . .	7ZN	200, 300, 425, 600 . . . .	P	X	George H. Wallace.
Waco, Tex. . . . .	5YG	200, 300, 600, 1625 . . . .	P	X	E. T. Genheimer (Waco High School Radio Club).
Washington, D. C. . . . .	3YM	200, 300, 400 . . . . .	P	X	McKinley Manual Training School.
Washington, D. C. . . . .	3YN	200, 400, 1800 . . . . .	P	X	James E. Smith (Nati- onal Radio School).
Washington, D. C. . . . .	3ZH	.....	P	X	H. B. De Groot.
Washington, D. C. . . . .	3ZW	200, 425 . . . . .	P	X	Walther A. Parks.
Watchaug Pond, R. I. . . . .	1XW	200, 300, 425, 600 . . . .	P	X	Ralph C. Watrous.
Wayne, Nebr. . . . .	9YT	300, 425 . . . . .	P	X	U. S. Conn., presi- dent, State Normal School.
Westbrook, Me. . . . .	1ZQ	200, 300, 425, 600 . . . .	P	X	Wm. H. Rocheleau.
Wheeling, W. Va. . . . .	8ZW	200, 450 . . . . .	P	X	John C. Stroebel, jr.
Wichita, Kans. . . . .	9YE	1700 . . . . .	P	X	Walter S. Ezell.
Wilkes-Barre, Pa. . . . .	8ZS	200, 425 . . . . .	P	X	John H. Stenger, jr.
Worcester, Mass. . . . .	1YK	(*) . . . . .	P	X	Worcester Polytech- nic Inst.
Worcester, Mass. . . . .	1ZW	200, 425 . . . . .	P	X	Wm. H. Allison.

1 7 p. m. to 10.30 p. m.

**SPECIAL LAND RADIO STATIONS, GROUPED BY DISTRICTS.**

Call signal.	District and station.	Call signal.	District and station.
	<b>First district:</b>		<b>Third district—Continued.</b>
1XC	Chelsea, Mass.	3XO	Media, Pa.
1XG	Pittsfield, Mass.	3XP	Philadelphia, Pa.
1XI	Gloucester, Mass.	3XR	Hyattsville, Md.
1XK	Orono, Me.	3YM	Washington, D. C.
1XO	Cambridge, Mass.	3YN	Washington, D. C.
1XP	Cambridge, Mass.	3ZD	Riverdale, Md.
1XS	Marlboro, Mass.	3ZF	Friendship Heights, Md.
1XU	Cambridge, Mass.	3ZH	Washington, D. C.
1XW	Watchaug Pond, R. I.	3ZK	Richmond, Va.
1YH	Cambridge, Mass.	3ZS	St. Davids, Pa.
1YK	Worcester, Mass.	3ZW	Washington, D. C.
1ZD	Lexington, Mass.		<b>Fourth district:</b>
1ZF	Fall River, Mass.	4XA	Key West, Fla.
1ZH	Beverly Farms, Mass.	4YZ	Charleston, S. C.
1ZL	Northampton, Mass.		<b>Fifth district:</b>
1ZM	Hartford, Conn.	5XC	Memphis, Tenn.
1ZN	New Bedford, Mass.	5XF	Little Rock, Ark.
1ZP	Providence, R. I.	5XN	New Orleans, La.
1ZQ	Westbrook, Me.	5XO	Little Rock, Ark.
1ZR	Rockland, Me.	5YA	Auburn, Ala.
1ZS	Springfield, Mass.	5YG	Waco, Tex.
1ZT	Hartford, Conn.	5YM	Fayetteville, Ark.
1ZW	Worcester, Mass.	5ZB	New Braunfels, Tex.
1ZZ	Farmington, Conn.	5ZC	Dallas, Tex.
	<b>Second district:</b>	5ZD	Memphis, Tenn.
2XA	Schenectady, N. Y.	5ZF	San Antonio, Tex.
2XD	Slingerlands, N. Y.	5ZH	Cleveland, Tenn.
2XE	Montauk, Long Island, N. Y.	5ZI	Montgomery, Ala.
2XG	New York, N. Y.	5ZM	Mobile, Ala.
2XH	New York, N. Y.	5ZN	Beeville, Tex.
2XI	Schenectady, N. Y.	5ZQ	Grand Coteau, La.
2XL	Alden, N. J.	5ZR	San Antonio, Tex.
2XM	New York, N. Y.	5ZS	Shreveport, La.
2XN	New York, N. Y.		<b>Sixth district:</b>
2XR	New York, N. Y.	6XA	San Francisco, Cal.
2XU	New York, N. Y.	6XB	Berkeley, Cal.
2XW	Summit, N. J.	6XC	Oakland, Cal.
2YM	New York, N. Y.	6XE	Monterey, Cal.
2YS	New York, N. Y.	6XF	San Jose, Cal.
2YU	Schenectady, N. Y.	6XH	San Francisco, Cal.
2ZA	New York, N. Y.	6XI	San Francisco, Cal.
2ZB	Schenectady, N. Y.	6XL	Los Angeles, Cal.
2ZE	Upper Montclair, N. J.	6XN	Fruitvale, Cal.
2ZH	Nutley, N. J.	6XO	San Francisco, Cal.
2ZI	Montclair, N. J.	6XR	Berkeley, Cal.
2ZK	New Rochelle, N. Y.	6XP	Oakland, Cal.
2ZP	Port Chester, N. Y.	6YL	Los Angeles, Cal.
2ZV	Richmond Hill, N. Y.	6YS	San Diego, Cal.
	<b>Third district:</b>	6ZB	Pacific Grove, Cal.
3XB	Takoma Park, Md.	6ZI	Salt Lake City, Utah.
3XC	Philadelphia, Pa.	6ZV	Salt Lake City, Utah.
3XJ	Philadelphia, Pa.	6ZW	Bakersfield, Cal.

## SPECIAL LAND RADIO STATIONS, GROUPED BY DISTRICTS—Continued.

Call signal.	District and station.	Call signal.	District and station.
	<b>Seventh district:</b>		<b>Ninth district:</b>
7XE	Seattle, Wash.	9XA	Rapid City, S. Dak.
7XK	Seattle, Wash.	9XB	Beloit, Wis.
7XM	Seattle, Wash.	9XC	St. Louis, Mo.
7XU	Algona, Wash.	9XD	Valparaiso, Ind.
7XZ	Seattle, Wash.	9XE	Davenport, Iowa.
7YI	Pullman, Wash.	9XH	Kansas City, Mo.
7YS	Lacey, Wash.	9XK	Kansas City, Mo.
7ZA	Hoquiam, Wash.	9XL	Burlington, Iowa.
7ZC	Lewistown, Mont.	9XM	Madison, Wis.
7ZD	Bozeman, Mont.	9XN	Grand Forks, N. Dak.
7ZH	La Grande, Oreg.	9XP	Lawrence, Kans.
7ZN	Vancouver, Wash.	9XQ	Columbia, Mo.
	<b>Eighth district:</b>	9XR	Rock Island, Ill.
8XA	Ann Arbor, Mich.	9XU	Omaha, Nebr.
8XC	Pittsburgh, Pa.	9XV	St. Louis, Mo.
8XE	State College, Pa.	9XY	St. Louis, Mo.
8XG	Morgantown, W. Va.	9YA	Iowa City, Iowa.
8XK	Pittsburgh, Pa.	9YB	Rockford, Ill.
8XO	Ridgeway, Pa.	9YD	University Place, Nebr.
8XT	Ithaca, N. Y.	9YE	Wichita, Kans.
8XU	Ithaca, N. Y.	9YF	Fargo, N. Dak.
8YA	Auburn, N. Y.	9YG	Agricultural College, N. Dak.
8YC	Ithaca, N. Y.	9YH	Jacksonville, Ill.
8YI	Pittsburgh, Pa.	9YI	Ames, Iowa.
8YL	Lima, Ohio.	9YK	Indianapolis, Ind.
8YO	Columbus, Ohio.	9YL	Lexington, Ky.
8YP	Athens, Ohio.	9YM	Stillwater, Minn.
8YR	Oxford, Ohio.	9YO	Lamoni, Iowa.
8YW	Oil City, Pa.	9YS	Columbia, Mo.
8YZ	Pittsburgh, Pa.	9YT	Wayne, Nebr.
8ZB	Buffalo, N. Y.	9YU	Kansas City, Mo.
8ZC	Battle Creek, Mich.	9YW	Lake Geneva, Wis.
8ZD	Marion, Ohio.	9YX	Lake Geneva, Wis.
8ZE	Elmira, N. Y.	9ZA	Denver, Colo.
8ZF	Cincinnati, Ohio.	9ZB	Trinidad, Colo.
8ZT	Ironton, Ohio.	9ZD	Denver, Colo.
8ZH	Cincinnati, Ohio.	9ZE	Minneapolis, Minn.
8ZM	Springfield, Ohio.	9ZF	Denver, Colo.
8ZN	New Castle, Pa.	9ZI	Eldora, Iowa.
8ZR	Pottsville, Pa.	9ZL	Louisville, Ill.
8ZS	Wilkes-Barre, Pa.	9ZM	Minneapolis, Minn.
8ZT	Tiffin, Ohio.	9ZP	Pierre, S. Dak.
8ZU	Hamilton, Ohio.	9ZR	Rapid City, S. Dak.
8ZW	Wheeling, W. Va.	9ZS	Springfield, Ill.
8ZX	Canal Dover, Ohio.		

## AMATEUR RADIO STATIONS.

NOTE.—All amateur stations in this list, the power of which is rated up to 500 watts, are listed as 0.5 KW, and all stations, the power of which is rated from 500 to 1,000 watts, inclusive, are listed as 1.0 KW.

### FIRST DISTRICT.

[Headquarters: Customhouse, Boston, Mass. The first district comprises the States of Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut.]

### ALPHABETICALLY BY OWNERS OF STATIONS.

Call signal.	Owner of station.	Location of station.	Power.  Kw.
1EAI	Abels, Charles A.....	43 Nicollet St., Lowell, Mass.....	0.5
1US	Achin, Horace, jr.....	30 Smith St., N. Attleboro, Mass.....	.5
1FT	Ackley, Edward P.....	Peaks Island, Maine.....	.5
1ANEH	Aldrich, George E.....	9 Simonds Rd., Melrose, Mass.....	.5
1SI	Alger, James W.....	Reading, Mass.....	.5
1UL	Allen, Edwin B.....	Westerly, R. I.....	.5
1KG	Allen, Franklin.....	125 Sycamore St., New Bedford, Mass.....	.5
1JQ	Allen, George H.....	16 Bacon St., Waltham, Mass.....	.5
1GM	Allen, J. Wyman.....	236 Hale St., Beverly, Mass.....	.5
1AAT	Allen, Laurence H.....	60 Dean St., Attleboro, Mass.....	.5
1PQ	Allen, Percival R.....	147 Hancock St., Auburndale, Mass.....	.5
1TF	Allenson, George T.....	12 Railroad Ave., Valley Falls, R. I.....	.5
1EV	Almquist, Fritz A.....	333 Franklin St., Quincy, Mass.....	.5
	American Radio Association. See Fowle, Herbert L.		
1KR	Anderson, Andrew R.....	29 Lewis St., Lynn, Mass.....	.5
1HN	Anderson, Daniel H.....	40 Oliver St., Everett, Mass.....	.5
1DK	Anderson, Herbert.....	833 Norman St., Bridgeport, Conn.....	.5
1EID	Anderson, James H.....	17 Bartlett Rd., Belmont, Mass.....	.5
1NA	Andonegui, Lane.....	27 Linnaen St., Cambridge, Mass.....	.5
1ME	Angell, Otis P.....	20 Trowbridge St., Cambridge, Mass.....	.5
1OA	Anthony, Richard L.....	336 College St., Lewiston, Me.....	.5
1KQ	Armstrong, James B.....	15 Bradford Rd., Newton Highlands, Mass.....	.5
1ES	Armstrong, Leroy W.....	135 Point St., Providence, R. I.....	.5
1ESV	Ashland, Homer B.....	76 N. Union St., Burlington, Vt.....	.5
1IL	Ayres, Richard T.....	10 Common St., Charlestown, Mass.....	.5
1ANB	Bacuinka, Peter L.....	137 Dorchester St., Worcester, Mass.....	.5
1ANI	Bailey, Charles E.....	51 Chestnut St., New Britain, Conn.....	.5
1WW	Bailey, Philip A.....	64 Washington St., Middletown, Conn.....	1.0
1ANX	Bailey, Willard L.....	52 Robbins Rd., Arlington, Mass.....	.5
1RJ	Bailey, William M.....	38 Menlo Ave., Lynn, Mass.....	.5
1FC	Baker, C. Hall.....	Torrington Point, Peaks Island, Me.....	.5
1EMI	Baker, J. Stannard.....	40 Sunset Ave., Amherst, Mass.....	.5
1AAE	Baker, Warren F.....	2 Baker Pl., Dorchester, Mass.....	.5
1DN	Balcom, Loris L.....	Noroton Heights, Conn.....	.5
1WE	Baldwin, James P.....	66 Forest St., New Britain, Conn.....	1.0
1LG	Ballou, Willis H.....	82 Winthrop St., Medford, Mass.....	.5
1EA	Barker, Gullan D.....	19 Channing St., Newport, R. I.....	.5
1ENU	Barney, George C.....	R. F. D. No. 7, Bangor, Me.....	.5
1LF	Barrett, Bradford L.....	47 Forest St., Springfield, Mass.....	.5
1WJ	Barrett, John H.....	64 Lafayette Pl., Greenwich, Conn.....	1.0
1ENF	Barth, Norbert E.....	546 W. Main St., New Britain, Conn.....	.5
1IK	Batchelder, Hugh M.....	92 Lake Ave., Melrose, Mass.....	.5
1AAZ	Bates, Roger E.....	134 Pine St., Wollaston, Mass.....	.5
1EMA	Bauer, Paul S.....	169 Lynn Shore Drive, Lynn, Mass.....	1.0
1GU	Baumann, Howard.....	24 Hale Ave., South Medford, Mass.....	.5
1HY	Baxter, Horace M.....	150 Foster St., Brighton, Mass.....	.5
1CZ	Bean, Harold W.....	82 S. Main St., Penacook, N. H.....	1.0
1SL	Bearse, Edwin W.....	43 Cutter St., Somerville, Mass.....	.5
1ABA	Beattie, Robert.....	21 County Rd., Everett, Mass.....	.5
1AED	Beebe, William J.....	42 Ridgewood Pl., Springfield, Mass.....	.5
1VZ	Becker, Carl W.....	56 Brookside Ave., Boston, Mass.....	.5
1IW	Beckvoild, Melvin P.....	87 Callender St., Dorchester, Mass.....	.5
1OJ	Becher, George F.....	416 Allen St., Springfield, Mass.....	.5
1KW	Beering, Herbert A.....	61 South St., Jamaica Plain, Mass.....	.5
1VL	Belknap, Edward L.....	91 Vine St., Hartford, Conn.....	.5
1HY	Bennett, Lawrence S.....	2 Lawrence St., Everett, Mass.....	.5
1LQ	Bennett, William F., jr.....	24 Spring St., Somerville, Mass.....	.5

## AMATEUR RADIO STATIONS—Continued.

## FIRST DISTRICT—Continued.

## ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. Kw.
1ABK	Bent, Arthur E.....	84 Commonwealth Ave., Boston, Mass.	
1ENQ	Berger, Sherwood.....	Naugatuck, Conn.....	0.5
1FO	Bergmann, Malcolm P.....	50 Jaques St., Somerville, Mass.....	0.5
1FAH	Berry, Gerald D.....	28 N. Central Ave., Wollaston, Mass.....	0.5
1FI	Bernier, Walter J.....	7 River St., Sanford, Me.....	0.5
1UG	Bizelow, Fred C.....	123 Chapel St., Saylesville, R. I.....	0.5
1JN	Billoette, Louis C.....	10 Centennial Ave., Revere, Mass.....	0.5
1IQ	Bishop, Donald S.....	211 Washington St., North Attleboro, Mass.....	0.5
1EF	Bixby, Harold O.....	65 Hillside Ave., Arlington Heights, Mass.....	0.5
1ATJ	Black, Oliver M.....	19 Charles St., Lawrence, Mass.....	0.5
1QK	Black, William R.....	32 Jefferson St., Newton, Mass.....	0.5
1KE	Blackie, Norman E.....	110 Norfolk St., Dorchester, Mass.....	0.5
1KJ	Blake, Sidney S.....	25 Elm St., Westerly, R. I.....	0.5
1EA K	Blake, William F.....	104 Rutherford Ave., Charlestown, Mass.....	0.5
1EO	Blanchard, Chester T.....	25 Ashmont St., Dorchester Center, Mass.....	0.5
1NB	Blanchard, Ralph N.....	12 Harvard St., Whitman, Mass.....	0.5
1FA	Blanchard, Raymond C.....	14 Leonard St., North Attleboro, Mass.....	0.5
1WV	Blank, Donald C.....	Greenwich, Conn.....	1.0
1ABS	Bliss, Donald H.....	12 Dean St., Attleboro, Mass.....	0.5
1EMC	Bloom, Harry.....	682 2d St., Fall River, Mass.....	0.5
1EH	Bloom, Philip H.....	9 Adams St., Holyoke, Mass.....	0.5
1LB	Blume, Carl T.....	8 Upham St., Revere, Mass.....	0.5
1VH	Bollers, Alexander V.....	77 Linwood St., New Britain, Conn.....	0.5
1MB	Roulette, Clayton M.....	194 Elm St., Everett, Mass.....	0.5
1QN	Bowditch, Frederic C., jr.....	164 Rawson Road, Brookline, Mass.....	0.5
1KO	Bowen, Harold C.....	168 Belmont Ave., Fall River, Mass.....	0.5
1EAP	Bowers, Maurice A.....	13 Belmont Ave., Camden, Me.....	0.5
1EAU	Bowers, William K.....	6 Samoset St., Dorchester, Mass.....	0.5
1KS	Boy Scouts of America, Troop 1.....	Reading, Mass. (portable station).....	0.5
1SX	Boy Scouts of America, Troop 2.....	Cambridge, Mass.....	0.5
1RB	Brackett, Walter F.....	24 Maple St., Stoneham, Mass.....	0.5
1GJ	Bradbury, Lawson E.....	138 Endicott Ave., Revere, Mass.....	0.5
1WZ	Bradin, Jack H.....	30 Highland St., Hartford, Conn.....	1.0
1ESP	Bradshaw, Norwood V.....	66 Elm St., Putnam, Conn.....	0.5
1AEJ	Bradshaw, Wesley B.....	16 Centre St., New London, Conn.....	0.5
1EAJ	Brassill, James J.....	East Providence, R. I.....	0.5
1ESM	Brennan, Edward G.....	Bedford St., Stamford, Conn.....	0.5
1UR	Briggs, Stuart M.....	94 Walnut Pl., Brookline, Mass.....	0.5
1IS	Briggs, Stuart M.....	91 Marion Pl., Brookline, Mass.....	0.5
1LR	Brigham, Everett R.....	46 Church St., Hudson, Mass.....	0.5
1ABJ	Brockington, Harry G.....	69 Lincoln St., Lacombe, N. H.....	0.5
1ATW	Brogan, Arthur R. J.....	12 Grigg St., Greenwich, Conn.....	1.0
1ENT	Brothers, George W.....	78 Central St., Hudson, Mass.....	0.5
1ASU	Brown, Irving M.....	269 Northrup St., Providence, R. I.....	0.5
1TX	Brown, Louis.....	209 Blackstone St., Providence, R. I.....	0.5
1OR	Brown, Randolph B.....	Dana, Mass.....	0.5
1ANT	Buck, Richard C.....	44 Linden St., Reading, Mass.....	0.5
1WA	Bueb, John J., jr.....	12 Maher Ave., Greenwich, Conn.....	0.5
1RG	Buffington, William H.....	836 Maple St., Fall River, Mass.....	0.5
1HI	Burke, Alan W.....	40 Pollock Ave., Pittsfield, Mass.....	1.0
1LH	Burke, Henry M.....	59 Chatham Rd., Everett, Mass.....	0.5
1AAL	Burt, Jairus F.....	66 Pine St., Pittsfield, Mass.....	0.5
1SV	Burton, H. R.....	60 Cummings Ave., Wollaston, Mass.....	0.5
1EH	Bushee, Ward H.....	249 County St., Attleboro, Mass.....	0.5
1JE	Bushway, George F.....	87 Glen Rock Ave., Malden, Mass.....	0.5
1AAQ	Butler, James T.....	31 1/2 Broadway, New Haven, Conn.....	0.5
1IR	Butterfield, George W.....	14 Birch Hill Ave., Wakefield, Mass.....	0.5
1RS	Buzzelle, Alfred R.....	89 Kinnaird St., Cambridge, Mass.....	0.5
1ESB	Byron, Myles.....	52 W. Liberty St., Waterbury, Conn.....	0.5
1MV	Caldwell, George W.....	52 Cherry St., Lynn, Mass.....	0.5
1UF	Caldwell, Raymond P.....	18 Morton St., Providence, R. I.....	0.5
1NU	Campbell, Harold G.....	86 Kenwood St., Dorchester, Mass.....	0.5
1JO	Campbell, James S.....	Northbridge, Mass.....	1.0
1ABL	Campbell, John A.....	9 Fairlee St., Somerville, Mass.....	0.5
1NV	Campbell, Margaret L.....	14 High St., Rockport, Mass.....	0.5
1ATG	Carleton, Francis J.....	34 Concord St., Charlestown, Mass.....	0.5
1ABY	Carr, Albert H.....	8 Decatur St., Worcester, Mass.....	0.5
1AAV	Carter, George T., jr.....	686 Massachusetts Ave., Boston, Mass.....	0.5
1AO	Cash, Wilson H.....	3 Prospect St., Nantucket, Mass.....	0.5
1MD	Caswell, Carlton T.....	106 Franklin St., Framingham, Mass.....	0.5
1QE	Chace, Myron D.....	7 Norwood St., Worcester, Mass.....	0.5
1GC	Chadwick, Gilbert L.....	19 11th Ave., Haverhill, Mass.....	0.5
1TY	Champlin, Albert R.....	7 1/2 Spring St., Westerly, R. I.....	0.5
1RC	Chase, Frank II.....	55 Washington Ave., Chelsea, Mass.....	0.5

AMATEUR RADIO STATIONS—Continued.

FIRST DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			<i>Kw.</i>
1HC	Cheetham, Henry R.	81 Avon St., Somerville, Mass.	0.5
1AAO	Cheever, Walter G.	6 Aldersey St., Somerville, Mass.	.5
1EIC	Cheebro, Everett L.	54 High St., Mystic, Conn.	.5
1JV	Chisholm, Chesleigh C.	Squantum, Mass.	.5
1HV	Chutter, George A.	67 Church St., Swanton, Vt.	1.C
1AQ	Clafin, Harold M.	160 College Ave., Waterville, Me.	.5
1ABC	Clark, Charles V.	25 Pierce Ave., Beverly, Mass.	.5
1WG	Clark, Bradford J.	49 Oak St., Hartford, Conn.	.5
1MZ	Clark, Lyman J.	Cuttjhung Light Station, Goswold, Mass.	.5
1QR	Clark, Wesley C.	34 Cliff St., Arlington, Mass.	.5
1ASN	Clark, Wesley C.	High School, Arlington, Mass.	.5
1TS	Clarkson, Charles N.	17 Gibbs Ave., Newport, R. I.	.5
1UP	Classical High School.	Providence, R. I.	.5
1PT	Clayton, Henry C.	1422 Washington St., Canton, Ohio.	.5
1RM	Clements, William B.	29 Pemberton Sq., Boston, Mass.	.5
1ASK	Coggins, Paul P.	93 Homer St., Newton Center, Mass.	.5
1DJ	Cole, George E.	350 Piedmont St., Waterbury, Conn.	.5
1NE	Coleman, Benj. B. B.	193 Clapp St., Milton, Mass.	.5
1WC	Coleman, William F.	177 Wethersfield Ave., Hartford, Conn.	.5
1JD	Collins, W. Lovejoy.	44 Carver Rd., Newton Highlands, Mass.	.5
1ASP	Colson, Helen B.	Watertown High School, Watertown, Mass.	1.0
1SN	Colton, Robert H.	768 North St., Pittsfield, Mass.	.5
1WQ	Conner, John A.	7 Sellick St., Stamford, Conn.	.5
1DH	Cook, Lewis W.	49 Pleasant St., Ansonia, Conn.	.5
1DO	Cook, Witter T.	460 W. Main St., Norwich, Conn.	.5
1JU	Cooke, Grover C.	19 Carnes St., Lynn, Mass.	1.0
1ABT	Coolikoff, Jack.	1 Chestnut St., Chelsea, Mass.	.5
1FP	Coombs, George T.	Castine, Me.	.5
1EMH	Copeland, Sylvester W.	656 2d St., Fall River, Mass.	.5
1OS	Copeland, H. Depew.	42 Huron Ave., Cambridge, Mass.	.5
1SB	Corcoran, Thomas A.	21 Putnam Ave., Cambridge, Mass.	.5
1PA	Corliss, Raymond B.	53 Allen Ave., Lynn, Mass.	.5
1AEG	Cornwell, William J.	24 Clark St., Cambridge, Mass.	.5
1EC	Cosgrove, Fred J.	57 Cedar St., Taunton, Mass.	.5
1ON	Cosgrove, Roland D.	14 Wright St., Cambridge, Mass.	.5
1ENE	Cosman, Howard E.	190 Summer St., Fitchburg, Mass.	.5
1OU	Cote, Armand E.	184 Harrison St., Pawtucket, R. I.	.5
1AR	Couri, Arthur N.	1 Monument St., Portland, Me.	.5
1EAD	Courtney, Roger D.	98 W. Springfield St., Boston, Mass.	.5
1DE	Cowles, Willard B.	94 W. Main St., Plainville, Conn.	.5
1FD	Crie, Oscar H.	Castine, Me.	.5
1EP	Crocker, Edmund P.	Swains Wharf, Nantucket, Mass.	1.0
1QS	Croft, Theodore C.	10 Winthrop St., Everett, Mass.	.5
1PW	Crosby, Carlton R.	East Harwich, Mass.	.5
1ABQ	Crosby, Leslie W.	12 Elmwood Rd., Swampscott, Mass.	.5
1AEY	Cross, Leon F.	3 Vine St., Tilton, N. H.	.5
1GT	Cummings, Francis H.	Prides Crossing, Mass.	.5
1NL	Curtis, Samuel.	44 Faxon Rd., Atlantic, Mass.	.5
1AAJ	Custeau, Harry G.	24 Clark St., Cambridge, Mass.	.5
1ASD	Dallin, Edwin B.	69 Oakland Ave., Arlington Heights, Mass.	.5
1QZ	Danehy, Edward J.	25 Sargent St., Cambridge, Mass.	.5
1KD	David, Harold E.	24 Belchertown Rd., Amherst, Mass.	.5
1AX	Davies, Orel E.	301 Main St., Rockland, Me.	.5
1ANU	Davis, Clifton D.	8 Cedar Court, Wakefield, Mass.	.5
1ASL	Davis, Emery W.	1045 Beacon St., Newton Highlands, Mass.	.5
1ATO	Davis, Everett E.	16 St. Lawrence St., Portland, Me.	.5
1ASX	Davis, Harold W.	R. F. D. No. 2, Keene, N. H.	.5
1NO	Davis, Orin F.	124 Pearl St., Somerville, Mass.	.5
1LY	Daykin, Leo H.	339 Beacon St., Somerville, Mass.	.5
1EMV	Dean, J. Marshall.	46 Alderman St., Springfield, Mass.	.5
1ATX	Dean, Reginald L.	23 Grove Ave., Westerly, R. I.	.5
1LE	Dean, Samuel W.	Quincy St., Cambridge, Mass.	.5
1VW	Delage, George C.	321 Greenwich Ave., Greenwich, Conn.	.5
1EMJ	De Lancey, Clyde P.	Hampton, N. H.	1.0
1EMD	De Lano, Ralph B.	76 Hancock St., Stoneham, Mass.	.5
1AEA	de Mars, Paul A.	43 Vine St., Lawrence, Mass.	.5
1DM	Dewey, Kenneth C.	4 Church St., Simsbury, Conn.	1.0
1ESK	Dibbins, Samuel A.	Everett, Mass.	.5
1AEE	Dickson, William E.	59 Hamden Circle, Quincy, Mass.	.5
1ATK	Dieter, Dean C.	216 Lynn Fells Way, Melrose, Mass.	.5
1EMK	Dock, Luther.	59 Granite St., Westerly, R. I.	.5
1ET	Dodge, Joseph B.	26 School St., Manchester, Mass.	.5
1ESW	Dodge, William E.	Beverly, Mass.	.5
1OZ	Doe, Charles S.	291 Reesdale Rd., Milton, Mass.	.5
1CF	Dole, Arthur M.	55 Buell St., Burlington, Vt.	.5
1AAU	Donahue, Frank J.	32 Whittier St., Lynn, Mass.	.5



## AMATEUR RADIO STATIONS—Continued.

## FIRST DISTRICT—Continued.

## ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. Kw.
1ABO	Donnelly, George F.	South Meriden, Conn.	0.5
1EIZ	Donovan, Arthur B.	49 Bigelow Ave., Rockland, Mass.	1.0
1AE	Dow, Harrison L.	61 Oliver St., Rockland, Me.	.5
1VG	Dow, John A.	20 Woburn St., Reading, Mass.	.5
1EAQ	Downes, George H.	323 Edgewood Ave., New Haven, Conn.	.5
1UO	Doyle, John B.	306 Thurber Ave., Providence, R. I.	.5
1ATU	Doyle, Walter J.	29 Washington St., New Britain, Conn.	.5
1PC	Drake, Ervin T., jr.	40 Holyoke House, Cambridge, Mass.	.5
1ATI	Drake, Nathan L.	303 Mt. Auburn St., Watertown, Mass.	.5
1AAF	Drew, William E.	324 Central St., Auburndale, Mass.	.5
1RP	Duchemin, Albert W.	26 Pond St., Greenfield, Mass.	.5
1HZ	Duncan, Harrie E.	34 Foster St., Newtonville, Mass.	.5
1ATB	Dunham, Carroll S.	Berlin, Conn.	.5
1AM	Durette, Adolard J.	2 High St., Derry, N. H.	.5
1AE	Durham, Wilson N.	Near Oakland, Me.	.5
1LI	Dwight, Harrison W.	24 Milwood St., Dorchester, Mass.	.5
1PK	Eastman, Damon L.	Norfolk, Mass.	.5
1EIN	Eaton, Louis F.	165 Belmont St., Brockton, Mass.	.5
1EST	Eaton, Richard E.	59 Lovett St., Beverly, Mass.	.5
1HQ	Eberlein, George H.	15 Hastings St., Greenfield, Mass.	.5
1ID	Eddy, James C.	489 Common St., Belmont, Mass.	.5
1DT	Edgerly, Albert H., jr.	Kensington, Conn.	.5
1ENZ	Edison, Gerald H.	36 Bushnell St., Hartford, Conn.	.5
1QG	Edmester, Earle C.	23 Beacon St., Everett, Mass.	.5
1KB	Edwards, Ralph E.	214 Bacon St., Waltham, Mass.	.5
1RN	Ege, John F.	153 Crest Ave., Revere, Mass.	.5
1ENM	Ehler, Irwin H.	33 S. Water St., New Haven, Conn.	.5
1NC	Ekwall, George O.	"The Standish," Waltham, Mass.	.5
1OF	Eldredge, Clarence R.	41 Lawrence St., Wakefield, Mass.	.5
1HR	Elliott, Thomas H., jr.	104 Claremont Ave., Arlington Heights, Mass.	1.0
1ABD	Engel, Richard B.	35 5th St., Medford, Mass.	.5
1JJ	Entwistle, Guy R.	Medford, Mass.	.5
1AER	Entwistle, Guy R.	Everett, Mass.	.5
1MF	Entwistle, Warren R.	41 C St., Lowell, Mass.	.5
1RD	Ericson, Arthur E.	Manchester, Mass.	.5
1ANI	Erwin, William C.	50 Beechwood Ave., Watertown, Mass.	.5
1EIO	Estabrooks, Roland W.	33 Parkland Ave., Lynn, Mass.	1.0
1AAY	Etter, Earle F.	25 Bickerstoff St., Boston, Mass.	.5
1AJ	Fabbri, Alessandro.	Bar Harbor, Me.	1.0
	Fall River State Armory.		
	See Norwell, Joseph C.		
1JT	Farmer, Edward E.	15 Cotting St., Medford, Mass.	1.0
1EQ	Farnum, Willis H.	21 Walter St., Somerville, Mass.	.5
1IJ	Fassitt, Andrew J., jr.	27 Walden St., Cambridge, Mass.	.5
1ANF	Fay, Arthur N.	257 Broadway, Chicopee Falls, Mass.	1.0
1ESF	Feeney, Elton O.	181 Allen Ave., Portland, Me.	.5
1EAT	Feeney, Paul F.	80 Crest Ave., Revere, Mass.	.5
1ESU	Fenno, Stanley W.	Revere High School, Revere, Mass.	.5
1ATF	Ferguson, Arthur W.	62 Linden St., Everett, Mass.	.5
1RO	Fernald, Wilder A.	238 Hale St., Lowell, Mass.	.5
1ABF	Fitch, Clinton.	22 Cottage Pl., Waterbury, Conn.	1.0
1TJ	Fitch, Conover.	321 Hammond St., Newton, Mass.	.5
1ENY	Flaherty, Harold J.	129 Essex St., Marlborough, Mass.	.5
1OH	Flanders, Fred F.	9 Norway St., Boston, Mass.	.5
1AEB	Flint, Arthur W.	4 Green St., Wakefield, Mass.	.5
1TL	Flint, Carl O.	4 High St., Westerly, R. I.	1.0
1AZ	Flint, Edward R.	Peaks Island, Me.	.5
1TW	Fogg, George F.	52 Upham St., Melrose, Mass.	.5
1NI	Folin, George G.	133 Buckminster St., Brookline, Mass.	.5
1PD	Folsom, Owen E.	89 Hewlett St., Boston, Mass.	.5
1PV	Folsom, Rolfe A.	76 Rockland Ave., Malden, Mass.	.5
1EMZ	Fortier, Ralph L.	248 Fort Pleasant Ave., Springfield, Mass.	.5
1AAK	Fowle, Herbert L.	Woodward Ave., Reading, Mass.	.5
1ENK	Fowle, Herbert L.	8 Cedar Court, Wakefield, Mass.	.5
1VJ	Frank, Louis G.	21 Summit Ave., Brookline, Mass.	.5
1GX	French, Walter B.	47 Varnum St., Lowell, Mass.	.5
1VJ	Frost, Edgar W.	2 Sheffield, Pepperell, Mass.	.5
1DU	Frost, Russell S.	49 Winthrop St., New Britain, Conn.	.5
1KT	Fruch, Frederick G.	962 South St., Roslindale, Mass.	.5
1IH	Fuller, Clarence C.	50 High St., Mansfield, Mass.	1.0
1KP	Fuller, Perry D.	14 Conson St., Dorchester, Mass.	.5
1CS	Furlong, Joseph.	85 Glen Rd., Boston, Mass.	.5
1EAZ	Furrier, Joseph P.	19 Tudor St., Lynn, Mass.	.5
1ESC	Gage, Roger W.	133 Princeton St., Lowell, Mass.	.5
1RZ	Gallagher, Edward J.	16 Appleton St., Atlantic, Mass.	.5
1HF	Gardner, Chester R.	11 Spring Hill Ter., Somerville, Mass.	.5

AMATEUR RADIO STATIONS—Continued.

FIRST DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
1SF	Garrett, John D. ....	645 Farmington Ave., Hartford, Conn. ....	1.0
1UD	Gates, Harold S. ....	261 Washington Ave., Providence, R. I. ....	.5
1BF	Gates, Paul H. ....	Franklin, Vt. ....	.5
1GV	Gavill, Wilbur W. ....	West Chelmsford, Mass. ....	.5
1EAA	Gavin, Thomas H. ....	49 Lyon St., Fall River, Mass. ....	.5
1RI	Gawler, H. C. ....	Boston, Mass. ....	.5
1SS	Gawler, Leonard M. ....	53 Heath St., Somerville, Mass. ....	.5
1SK	Geer, Laurence P. ....	Berlin, N. H. ....	.5
1ANA	George, Eldridge B. ....	211 Arsenal St., Watertown, Mass. ....	.5
1NQ	Getchell, Melvin D. ....	14 Pleasant St., Arlington, Mass. ....	.5
1AAG	Ghen, Melville W. ....	64 First St., Melrose, Mass. ....	.5
1AEF	Gilman, Samuel. ....	63 Chestnut St., Chelsea, Mass. ....	.5
1CG	Godfray, Carlton T. ....	55 Homes Ave., Dorchester, Mass. ....	.5
1ANG	Godfrey, Warren ....	117 Park St., West Roxbury, Mass. ....	.5
1PR	Golder, John ....	1 Ivy St., Boston, Mass. ....	.5
1CH	Gordon, Everett P. ....	17 Crystal Ave., Derry, N. H. ....	.5
1AH	Goularte, Manuel L. ....	R. F. D., Fairhaven, Mass. ....	.5
1AAS	Gould, Clyde S. ....	123 Hamilton Ave., Lynn, Mass. ....	.5
1FA	Gould, Charles D. ....	45 Masonic St., Rockland, Me. ....	.5
1ENN	Gould, Ralph W. B. ....	Eastport, Me. ....	.5
1ESA	Gowell, Bert W. ....	217 Randolph St., North Abington, Mass. ....	1.0
1WI	Grant, Alfred A. ....	571 Washington St., Brighton, Mass. ....	.5
1ABG	Graves, William S. ....	Sunapee, N. H. ....	.5
1AAI	Gray, Arthur ....	59 Regent St., Roxbury, Mass. ....	.5
1SR	Gray, Hollis L. ....	29 Vine St., Medford, Mass. ....	.5
1ENX	Gray, Roland C. ....	Orono, Me. ....	.5
1CI	Gray, Walter B. ....	47 Leonard St., Rochester, N. H. ....	.5
1NJ	Greeley, Francis B. ....	50 Church St., Hudson, Mass. ....	.5
1UV	Greim, Arthur M. ....	24 Amory Ave., Boston, Mass. ....	.5
1ENH	Grenier, Leonard J. ....	43 Hamlet Ave., Woonsocket, R. I. ....	1.0
1FX	Griffin, Stephen A. ....	Peaks Island, Me. ....	.5
1UA	Guillette, Edward J. ....	343 Mason St., Woonsocket, R. I. ....	.5
1BQ	Hackett, Harry S. ....	White River Junction, Vt. ....	.5
1IT	Hahn, P. Francis. ....	St. Anselmus College, Manchester, N. H. ....	1.0
1KY	Hallett, Charles E. ....	28 Norcross Ter., Lynn, Mass. ....	.5
1AEH	Halligan, William J. ....	23 Devens St., Charlestown, Mass. ....	.5
1AW	Ham, Earle G. ....	55 Chestnut St., Portland, Me. ....	.5
1FH	Ham, Miles F. ....	21 Crosby St., Augusta, Me. ....	1.0
1OE	Hamilton, Charles F. ....	7 Pomona St., Springfield, Mass. ....	.5
1HM	Hammett, Herbert M. ....	4 Blue Hill Ave., Roxbury, Mass. ....	.5
1ESG	Hampton, William G. ....	107 Grove St., Fall River, Mass. ....	.5
1ENC	Hanks, Ruel C. ....	17 Crosby St., Augusta, Me. ....	1.0
1JR	Harding, David W. ....	Vineyard Haven, Mass. ....	.5
1PE	Hardy, Jack. ....	Littleton, Mass. ....	.5
1EAC	Hardy, Ralph. ....	19 Parkman St., Boston, Mass. ....	.5
1ED	Hardy, Rodney C. ....	38 Gray St., Arlington, Mass. ....	.5
1EIS	Harrington, Charles B. ....	Newtonville, Mass. ....	.5
1ASJ	Harris, Nathan G. ....	94 Hudson St., Hartford, Conn. ....	.5
1AF	Hart, Emery A. ....	80 Melborne St., Portland, Me. ....	.5
1PM	Hartwell, E. G. ....	High School, North Attleboro, Mass. ....	.5
1ESQ	Hasbrouck, Louis. ....	130 N. Pleasant St., Amherst, Mass. ....	.5
1VO	Haskell, Shirley D. ....	Essex, Mass. ....	1.0
1LK	Haskins, Frederic C. ....	220 Lexington St., Belmont, Mass. ....	.5
1AY	Hatch, James F. ....	86 Elm St., Portland, Me. ....	.5
1FK	Hatch, Roland J. ....	171 Oxford St., Portland, Me. ....	.5
1ATP	Hatfield, Samuel J. ....	80 Pleasant St., Arlington, Mass. ....	.5
1SY	Hathaway, Samuel D. ....	126 Atlantic Ave., Marblehead, Mass. ....	.5
1AEV	Hayden, Kenneth L. ....	44 Chester Ave., Winthrop, Mass. ....	.5
1ANY	Hayward, Edward E., jr. ....	4 Pembroke St., Newton, Mass. ....	.5
1EIH	Heffernan, Edmund J. ....	369 Main St., New Britain, Conn. ....	1.0
1EMQ	Heidel, Edward O. ....	29 Hollister St., Pittsfield, Mass. ....	.5
1ASZ	Hendrick, E. Allen. ....	52 Warner St., Springfield, Mass. ....	.5
1OC	Henry, Hugh M. ....	Rochester, Vt. ....	.5
1JY	Herland, John N. ....	48 Brush Hill Rd., Mattapan, Mass. ....	.5
1SW	Hersey, Ralph H. ....	2 Harborview Ave., Salem, Mass. ....	1.0
1ABU	Hertz, William F. C., jr. ....	57 S. Water St., New Haven, Conn. ....	.5
1QV	Heyman, Harry. ....	15 Congress St., Springfield, Mass. ....	.5
1ESS	Hick, Harry R. ....	Rock Hill, Conn. ....	.5
1ENW	Hicks, George B. ....	Penikese, Mass. ....	.5
1GI	Higgins, Charles A. ....	17 Pond St., Waltham, Mass. ....	.5
1FV	Hill, Harold F. ....	171 Anburn St., Cambridge, Mass. ....	.5
1OK	Hill, Harold F. ....	236 Chestnut St., Cambridge, Mass. ....	.5
1VT	Hill, William J. ....	691-A Columbia Rd., Dorchester, Mass. ....	.5
1NH	Hilliard, Dana S. ....	301 Hanover St., Fall River, Mass. ....	.5
1CJ	Hillson, Robert E. ....	661 Maple St., Fall River, Mass. ....	.5
1DP	Hittae, Norman E. ....	17 Asylum St., Norwich Conn. ....	1.0

## AMATEUR RADIO STATIONS—Continued.

## FIRST DISTRICT—Continued.

## ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
IWS	Hitchcock, Howard A. ....	1647 Boulevard, West Hartford, Conn. ....	Kw. 0.5
ILP	Hitchcock, Richard C. ....	11 Waller Court, New London, Conn. ....	.5
ICD	Hitchcock, William H. ....	106 Arlington St., Manchester, N. H. ....	1.0
IPB	Hoeffner, Frank A. ....	28 Armstrong St., Jamaica Plain, Mass. ....	.5
IMN	Hodgdon, Milo L. ....	24 Wachusett St., Worcester, Mass. ....	.5
IUU	Hoffmann, Harry J. ....	8 Estrella St., Jamaica Plain, Mass. ....	.5
IWY	Hoggson, Wallace. ....	Greenwich, Conn. ....	.5
IANN	Holbrook, Frank L. ....	36 Moody St., Portland, Me. ....	.5
IATY	Holcomb, Herbert A. ....	117 Spring St., Windsor Locks, Conn. ....	.5
IKX	Holt, Clarence J. ....	26 Trenton St., Melrose, Mass. ....	.5
IAET	Holmes, Phillip B. ....	21 Rockledge Rd., Newton Highlands, Mass. ....	.5
IFW	Holton, Albert M. ....	11 Florida St., Springfield, Mass. ....	.5
IEMT	Hoopes, Thomas T. ....	118 High St., Newburyport, Mass. ....	.5
IRA	Hood, Ralph S. ....	7 Ash St., Danvers, Mass. ....	.5
ITI	Horgan, T. Francis. ....	239 Broadway, Newport, R. I. ....	.5
IVQ	Horsfall, George W. ....	Unionville, Conn. ....	.5
IJB	Hovenden, Herbert C. ....	42 Austin St., Newtonville, Mass. ....	.5
IQT	Hovey, Arthur T. ....	74 Woodcliff St., Boston, Mass. ....	.5
IESO	Howard, Frank W. ....	38 Main St., Dexter, Me. ....	.5
IGL	Howe, Bradford L. ....	11 Fair Oaks Ave., Newtonville, Mass. ....	.5
IBX	Howe, Reginald F. ....	94 School St., Keene, N. H. ....	.5
IBU	Hoyt, Lowell P. ....	R. F. D. No. 3, Presque Isle, Me. ....	.5
IEIP	Hudder, Paul B. ....	222 Eastern Ave., Gloucester, Mass. ....	.5
IUX	Hull, Elliott B. ....	484 Hope St., Providence, R. I. ....	.5
IAEP	Hunkins, Fred L. ....	17 Center St., Laconia, N. H. ....	.5
IQY	Hunt, Albert M. ....	42 Madison Ave., Newtonville, Mass. ....	.5
IATH	Hunt, Alfred W. ....	137-A Belmont St., Everett, Mass. ....	.5
IAU	Huntington, Charles E. ....	3 Orange St., Newburyport, Mass. ....	.5
IASB	Huston, Robert D. ....	19 Nevens St., Portland, Me. ....	.5
IABX	Hutchins, Albert G., jr. ....	42 Illinois St., Central Falls, R. I. ....	.5
IANP	Hyde, Charles E. ....	11 Fearless Ave., Lynn, Mass. ....	.5
INS	Hyde, Irving B. ....	59 Glenwood Ave., Pittsfield, Mass. ....	.5
INN	Ingalls, George A. ....	7 Holten St., Danvers, Mass. ....	.5
IEMO	Ireland, Wilbur E. ....	Corinna, Me. ....	.5
IMA	Irwin, Samuel D. ....	West Bridgewater, Mass. ....	.5
ILD	Isherwood, William L. ....	69 Winsor St., New Bedford, Mass. ....	.5
ITM	Jackson, Edward A. ....	15 School St., Newport, R. I. ....	.5
IEAR	Jacques, Arthur E. ....	52 Newton St., Marlboro, Mass. ....	.5
IGB	Jacques, Louis A. ....	57 Jaques St., Somerville, Mass. ....	.5
IJI	Jennings, W. Francis, jr. ....	89 Sewell Woods Rd., Melrose Highlands, Mass. ....	.5
ITP	Jensen, Leonard C. ....	17 Mt. Vernon St., Providence, R. I. ....	.5
IKA	Jeppson, Warren F. ....	3 Perkins St., Melrose, Mass. ....	.5
IUE	Jette, George E. ....	161 Summer St., Central Falls, R. I. ....	.5
IDA	Johnson, Arthur A. ....	Cromwell, Conn. ....	.5
IHJ	Johnson, Edward C., jr. ....	198 Randolph Ave., Milton, Mass. ....	1.0
IENB	Johnson, George E. ....	135 Pleasant St., Brunswick, Me. ....	.5
IENS	Johnson, George W. ....	63 Trinity St., New Britain, Conn. ....	.5
IAEM	Johnson, Gilbert W. ....	75 Ontario St., Providence, R. I. ....	.5
IMK	Johnson, Thurston A. ....	123 Winthrop St., Winthrop, Mass. ....	.5
IASF	Jordan, Richard. ....	22 Baldwin St., Cambridge, Mass. ....	.5
IMJ	Judkins, Nathaniel B. ....	1474 Pawtucket Ave., Rumford, R. I. ....	.5
ILL	Justice, Francis C. ....	148 Tremont St., Newton, Mass. ....	.5
IHU	Karl, Henry J. ....	568 Union St., New Bedford, Mass. ....	.5
IIC	Keller, Adrian C. ....	4-A Pleasant Ave., Somerville, Mass. ....	.5
ICY	Kelley, Lawrence E. ....	35 Saunders St., Allston, Mass. ....	.5
IMI	Kelley, Richard P. ....	8 O St., South Boston, Mass. ....	.5
IDF	Kelsey, Phillip C. ....	Ivoryton, Conn. ....	.5
IATA	Kempton, Ralph J. ....	Presque Isle, Me. ....	.5
IASA	Kenison, Arthur C. ....	45 Parker St., Lexington, Mass. ....	1.0
IENQ	Kennedy, Jack A., jr. ....	81 Sherman St., Portland, Me. ....	.5
IEX	Keyes, Perley E. ....	71 School St., Sanford, Me. ....	.5
IANC	Killam, Phineas S. ....	25 Belmont St., Reading, Mass. ....	.5
IQP	Kilton, James A., jr. ....	21 Lasell St., Auburndale, Mass. ....	.5
INZ	Knight, George W. ....	29 Central St., Manchester, Mass. ....	.5
IEIR	Knight, Hugh C. ....	132 Melrose St., Melrose, Mass. ....	.5
IPI	Knight, Maurice E. ....	3 Edwin St., Boston, Mass. ....	.5
ILZ	Knight, Montgomery ....	475 Appleton St., Holyoke, Mass. ....	1.0
IEIJ	Knight, Winfield W. ....	105 Chestnut St., Camden, Me. ....	.5
IFN	Knowlton, Dean W. ....	48 Congress St., Belfast, Me. ....	.5
IASM	Koetter, Max W. ....	554 Broadway, Everett, Mass. ....	.5
IENP	Kollen, Henry T. ....	996 Eddy St., Providence, R. I. ....	.5
IATT	Kraus, William L. ....	13 Fountain Ave., Somerville, Mass. ....	.5
IANK	Kurth, Henry L. R. ....	126 Columbia St., Cambridge, Mass. ....	.5
IEAO	La Marche, Harold E. ....	70 George St., Attleboro, Mass. ....	.5
IASW	Landick, Robert E. ....	77 Park St., Lynn, Mass. ....	.5
IWR	Lane, Chauncey C. ....	73 S. Water St., New Haven, Conn. ....	.5
IKH	Lally, Charles A. ....	12 Lincoln St., North Adams, Mass. ....	.5

AMATEUR RADIO STATIONS—Continued.

FIRST DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. Kw.
1KU	Lamb, Claude M.	244 Federal St., Greenfield, Mass.	0.5
1GD	Lane, Frederic A.	7 Madison Ave., Gloucester, Mass.	.5
1GK	Lang, Stanley W.	799 Tyler St., Pittsfield, Mass.	1.0
1ETV	Lawyer, Lanphere R.	27 Barnett St., New Britain, Conn.	.5
1FL	Larrabee, Charles W.	176 Prospect St., Portland, Me.	.5
1UH	Lear, George F.	101 Broadway, Newport, R. I.	.5
1UZ	Learned, Alpha A.	76 Camp St., Providence, R. I.	.5
1JA	Leathers, John W.	78 Bay State Ave., Somerville, Mass.	.5
1FQ	Leavitt, Vernal A.	26 Lafayette St., Portland, Me.	.5
1WF	Lefave, Stanley J.	130 Tremont St., Melrose, Mass.	.5
1EIE	Leidel, Ralph J.	28½ Warren St., Providence, R. I.	.5
1IF	Leighton, Harold M.	25 Walnut St., Lynn, Mass.	.5
1MR	Leonard, Frederick D.	353 S. Main St., Mansfield, Mass.	.5
1ANL	Leonard, James A.	30 Newhall St., Lynn, Mass.	.5
1ESR	Leonard, Theodore.	1188 State St., Bridgeport, Conn.	.5
1ESH	Lessard, Walter	636 Broad St., Central Falls, R. I.	.5
1VV	Lewis, George B.	North Haven, Conn.	.5
1EIM	Lewis, Kenneth P.	124 Maplewood Ave., Gloucester, Mass.	.5
1AAR	Lewis, William H., jr.	226 Upland Rd., Cambridge, Mass.	.5
1BB	Lindsay, Alexander M., jr.	Manomet, Mass.	1.0
18C	Lipson, Edward	38 Overlea Ave., East Saugus, Mass.	1.0
18P	Lisker, William	141 Chester Ave., Providence, R. I.	.5
1AEL	Little, Noel C.	8 College St., Brunswick, Me.	.5
1EIL	Loheed, William J., jr.	12 Clifton Ave., Campello, Mass.	.5
1BM	Lomnitzer, Frank W.	1365 E. Main St., Bridgeport, Conn.	.5
1EYI	Loomis, George A.	119 S. Main St., St. Albans, Vt.	.5
1WU	Loomis, Harold C.	18 Oakland Ter., Hartford, Conn.	.5
1KI	Loring, Wilfred B.	Plympton, Mass.	.5
1NY	Lovis, Donald B.	26 Adelaide St., Jamaica Plain, Mass.	.5
1EMB	Lovejoy, Julian	Littleton, Mass.	1.0
1FF	Lowell, Philip E.	Portland Pier, Portland, Me.	.5
1ASR	Ludgate, Roswell V.	239 Broadway, Cambridge, Mass.	.5
1ENJ	Ludington, Harold A.	205 Peck Ave., West Haven, Conn.	.5
1E8D	Lyman, Charles F., jr.	Dover, Mass.	.5
1ANE	Lyman, Edward W.	25 Pine St., Pittsfield, Mass.	.5
1ASH	Lyman, Reginald P.	27 S. Main St., Rutland, Vt.	.5
1NT	Lynch, John P.	260 Geneva Ave., Dorchester, Mass.	.5
1EAE	Lynch, Sherman W.	High School, Beverly, Mass.	.5
18J	Lynch, Sherman W.	26 Abbott St., Beverly, Mass.	.5
1HE	Lynde, Kenneth R.	20 Cloelia Ter., Newtonville, Mass.	1.0
1VK	Lynn English High School.	Highland Square, Lynn, Mass.	1.0
1MW	Lynn, Harold W.	107 Alden St., Whitman, Mass.	.5
1ML	Lyon, William H.	East Lexington, Mass.	.5
1ATS	Macurdy, Ernest H.	28 Chester St., Watertown, Mass.	.5
1RE	MacLeod, Charles M.	11 St. Stephens Court, Lynn, Mass.	.5
1TN	Maboney, Charles J.	18 Pond Ave., Newport, R. I.	.5
1EIX	Man, Edward H.	North Stonington, Conn.	.5
1TG	Manchester, Arthur W.	31 Newport Ave., Newport, R. I.	.5
1CW	Manchester, Edwin F.	4 Park Place, Portland, Me.	.5
1TH	Manuel, Lloyd	6 Nichol Ter., Newport, R. I.	1.0
1UT	Marcroft, Jesse	Warwick, R. I.	.5
1EY	Marcroft, William	235 Northup St., Cranston, R. I.	.5
1AB	Marden, Frank O.	250 Elm St., South Portland, Me.	.5
1GP	Marsh, Albert A.	11 Heard St., Chelsea, Mass.	.5
1EAW	Marshall, Robert E.	2 Pleasant Pl., Marlboro, Mass.	.5
1NG	Marshall, T. Stanley	1 Hobart St., Danvers, Mass.	1.0
1ENA	Martin, Paul S.	79 7th St., Turners Falls, Mass.	1.0
1LC	Massachusetts Institute of Technology.	Boston, Mass.	.5
1AAB	Massey, John C.	3 Whitwell Ave., Newport, R. I.	.5
1MT	Mathewson, Oliver W.	34 Corona St., Dorchester, Mass.	.5
1AEX	Maurer, Frank T.	32 Arlington St., West Haven, Conn.	.5
1VF	Mayer, Arthur W.	7 Chestnut St., Jamaica Plain, Mass.	.5
1EAY	McCarthy, George E.	20 Belden St., New Britain, Conn.	.5
1ER	McCurdy, Bruce H.	81 Parade St., Providence, R. I.	.5
1NW	McDermott, Joseph H.	Belmont, Mass.	.5
1END	McElroy, George A.	88 Forest Ave., Portland, Me.	.5
1QQ	McGrath, Joseph L.	206 Fayette St., Wollaston, Mass.	.5
1TZ	McHenry, Albert T.	64 Cutter St., Melrose, Mass.	.5
1CX	McIntosh, Harold W.	431 Great Plains Ave., Needham, Mass.	.5
1ASC	McKay, John S. R.	259 Pond St., Boston, Mass.	.5
1CU	McKay, Preston L.	54 Plymouth St., Carver, Mass.	.5
1ABV	McKinney, Roscoe H.	Thomaston, Me.	.5
1CM	McLane, Henry R.	342 Union Ave., Laconia, N. H.	1.0

## AMATEUR RADIO STATIONS—Continued.

## FIRST DISTRICT—Continued.

## ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
1VD	McMahon, John F., jr.	56 West Ave., South Norwalk, Conn.	Kw. 0.5
1LX	McMahon, William G.	6 Rockland St., Melrose Highlands, Mass.	5
1AAN	McNamara, Frederick W.	23 Alpine St., Arlington, Mass.	5
1ESX	Meador, Raymond B.	R. F. D. No. 1, Rochester, N. H.	5
1EZ	Medbery, Chester H.	7 Sprague Ave., Cranston, R. I.	5
1FM	Meggrison, Forrest L.	82 Central St., Westbrook, Me.	5
1FJ	Meggrison, Wilbur P.	13 Mechanic St., Westbrook, Me.	5
1UC	Mellor, Joseph W.	186 6th Ave., Woonsocket, R. I.	5
1QH	Melvin, Arthur W.	R. F. D. No. 1, Chelmsford, Mass.	5
1SA	Mercer, W. Roy	34 Webster St., Allston, Mass.	5
1UY	Merritt, Hyland E.	18 Lowden Ave., Somerville, Mass.	5
1ASI	Merrow, Ernest W.	21 Houghton St., Worcester, Mass.	5
1ATM	Mevnell, Louis C.	49 Waban Hill Rd., Newton, Mass.	5
1BB	Mills, Bruce M.	48 Crescent St., Rutland, Vt.	5
1ATZ	Mitchell, Adolph H.	70 Jonathan St., Providence, R. I.	5
1ND	Mix, Donald G.	1 Kensington Heights, Worcester, Mass.	5
1ABH	Mooradian, Arom P.	144 Lawton Ave., Lynn, Mass.	5
1ESJ	Morrill, Donald H.	424 Wethersfield Ave., Hartford, Conn.	5
1ESL	Morris, Joseph A.	56 Cedar St., New Britain, Conn.	1.0
1SQ	Morrison, H. R.	137 Ingham St., Willimansett, Mass.	5
1EME	Morrison, Raymond D.	17 Malbone Ave., Newport, R. I.	5
1VU	Morse, Harold J.	40 Clark St., Hartford, Conn.	5
1BK	Morse, Walter J.	21 Terrill St., Rutland, Vt.	5
1QO	Morton, Adelbert R.	79 Lonsdale St., Dorchester, Mass.	5
1GO	Morton, Sidney	6 Francis Ave., Pittsfield, Mass.	5
1AEX	Mosher, Albert E.	35 Forest St., Lawrence, Mass.	5
1IO	Mosher, Clifford E.	11 Jenny Lind St., New Bedford, Mass.	5
1ENO	Muehl, Gottfried.	Bartlett & Clinton Sts., Portsmouth, N. H.	5
1TB	Mulvihill, Francis A.	369 Main St., New Britain, Conn.	1.0
1HW	Munroe, Henry W. T.	38 Beacon St., Everett, Mass.	5
1EIU	Murphy, Charles F.	54 Essex St., Marlboro, Mass.	5
1PX	Murphy, Harry J.	Florence, Mass.	5
1MC	Murray, Albert F.	21 Norway St., Boston, Mass.	5
1AAM	Murray, James J.	28 Wensley St., Boston, Mass.	5
1QF	Nash, Paul	64 Fairmont Ave., Newton, Mass.	5
1FS	Nash, William A.	43 Granite St., Biddeford, Me.	5
1AAD	Needham, Raymond W.	10 Grove St., Pittsfield, Mass.	5
1WN	Neuhaus, Theodore F.	Windsor, Conn.	1.0
1RY	Newcomb, Roland D.	15 Webster St., Atlantic, Mass.	5
	Newton Technical High School. See Harrington, Charles B.		
1TO	Newton, Raymond C.	292 California Ave., Providence, R. I.	5
1FR	Nichols, John S.	60 Edward Ave., Pittsfield, Mass.	1.0
1FU	Nicholson, James H.	119 Washington Ave., Portland, Me.	1.0
1GH	Nickerson, Arthur B.	33 Radcliffe Rd., Somerville, Mass.	5
1SG	Nickerson, Edgar W.	16 Atlantic Ave., Beverly, Mass.	5
1QJ	Noble, Lewis C.	35 Woodlawn Ave., Wellesley Hills, Mass.	5
1RU	Norcross, Warren	Needham, Mass.	5
1EAF	Norwell, Joseph C.	Fall River, Mass.	5
1QA	Nyquist, Norman A.	107 Chestnut Ave., Jamaica Plain, Mass.	5
1SU	O'Brien, David W.	178 Second St., Pittsfield, Mass.	5
1OB	O'Brine, Daniel J.	152 Bridge St., Manchester, Mass.	5
1BB	O'Connor, Cornelius T.	10 Cowperthwaite St., Cambridge, Mass.	5
1ANZ	O'Hara, John F.	66 Bassett St., Lynn, Mass.	5
1IX	Ohlson, Olof	472 Crafts St., Newton, Mass.	5
1HT	Oliver, H. E.	235 Springside Ave., Pittsfield, Mass.	5
1SD	Oliver, Herbert W.	161 Allen Ave., Lynn, Mass.	5
1ESE	O'Neill, John D.	Leonard St., Stamford, Conn.	5
1ANO	Osborne, Roger W.	15 Olney Pl., East Lynn, Mass.	5
1MO	Ostrander, Freeman J., jr.	78 Charles St., Springfield, Mass.	5
1GN	Palmer, Charles A.	57 Wollaston Ave., Arlington Heights, Mass.	5
1WC	Palmer, Pae C.	320 Wethersfield Ave., Hartford, Conn.	1.0
1PK	Palmer, Russell S.	93 Central St., Somerville, Mass.	5
1ANQ	Palmquist, Walter N.	701 Cranston St., Providence, R. I.	5
1VY	Park, Francis E., jr.	359 Main St., Stoneham, Mass.	5
1JC	Parker, John A.	246 Broadway, Somerville, Mass.	5
1BY	Parker, Leighland F.	Island Pond, Vt.	1.0
1EAB	Parker, Wesley G.	37 Cherry St., New Britain, Conn.	5
1SH	Parmelea, Albert O.	Reading, Mass.	5
1IE	Paton, Raymond.	613 California St., Newtonville, Mass.	5
1IG	Patten, Ernest L. O.	11 Holmes St., Malden, Mass.	5
1OM	Payson, Gilbert R., jr.	545 Belmont St., Belmont, Mass.	5
1UB	Pease, Reginald M.	5 W. Park St., Providence, R. I.	5
1UN	Peckham, J. Wallace.	Middletown, R. I.	5
1KF	Pennypacker, Thomas R.	Chatham, Mass.	5

AMATEUR RADIO STATIONS—Continued.

FIRST DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
1RF	Pennypacker, Thomas R.	6 Chauncy St., Cambridge, Mass.	Kw. 0.5
1AI	Perry, Horace R.	74 Winter St., Portland, Me.	.5
1DB	Peterson, Hans C. W.	44 New King St., Thompsonville, Conn.	.5
1ATL	Peterson, Robert M.	3 Blodgett Pl., Worcester, Mass.	.5
1EMP	Petrie, Andrew L.	22 Lambertson St., New Haven, Conn.	.5
1KK	Petty, Raymond A.	Dartmouth, Mass.	.5
1PN	Pettipas, William P.	14 Friend Street Pl., Lynn, Mass.	.5
1ESI	Phelan, Harold.	35 Cedar St., Wakefield, Mass.	.5
1EW	Phelan, Lawrence T.	102 Rodman St., Fall River, Mass.	.5
1WB	Phillbrook, Robert G.	Greenwood, Mass.	.5
1SE	Phillips, Henry D.	11 Haskell St., Cambridge, Mass.	.5
1AO	Pickles, Joseph A.	38 Emery St., Sanford, Me.	.5
1FN	Pierce, Frederick H.	11 High School Bldg., Lewiston, Me.	.5
1IL	Pierce, Robert	70 Westland Ave., Boston, Mass.	.5
1ENL	Pierson, George B.	173 Howard Ave., New Haven, Conn.	.5
1ATC	Pinkham, Everett C.	92 Franklin St., Watertown, Mass.	.5
1AAH	Pinnington, William	71 Jouvett St., New Bedford, Mass.	.5
1KN	Plaisted, Frank H.	142 Davis Ave., Brookline, Mass.	.5
1EMG	Polleys, William V., jr.	606 Public St., Providence, R. I.	.5
1EMR	Poole, Willard H.	229 Belmont St., Fall River, Mass.	.5
1EMS	Poole, Willard H.	Durfee High School, Fall River, Mass.	.5
1ASE	Poor, Stearns	100 Valentine St., West Newton, Mass.	.5
1ABP	Pope, Donald R.	2 Winthrop, Danvers, Mass.	.5
1ATN	Potter, Robert G.	50 Garfield St., Watertown, Mass.	.5
1WX	Powell, Miss Cecil	86 Farmington Ave., Hartford, Conn.	1.0
1JS	Powers, Leonard S.	431 Plymouth St., Carver, Mass.	.5
1DR	Prantis, George.	266 Fairview St., New Britain, Conn.	1.0
1JG	Pratt, Fearing	120 Main St., Hingham, Mass.	.5
1ABM	Pratt, Phineas W.	100 Harvard St., Everett, Mass.	.5
1AN	Pratt, Rahma W.	207 Longfellow St., Westbrook, Me.	.5
1PJ	Pratt, Walter L.	50 Hartsuff St., Rockland, Mass.	.5
1RK	Prescott, Earle M.	6 Lincoln St., Stoneham, Mass.	.5
1AAC	Prinz, Julius C.	5 Charles St., Newport, R. I.	.5
1QM	Proulx, George H.	147 Pemberton St., Cambridge, Mass.	.5
1PY	Pulley, Lester A.	33 Porter St., Melrose, Mass.	.5
1MP	Pursell, Clarence V.	1257 Morton St., Dorchester, Mass.	.5
1ASQ	Quinn, Albert C.	14 Elsmere Ave., Lynn, Mass.	.5
1PZ	Ranlett, Frederick J., jr.	357 Central St., Auburndale, Mass.	.5
1IK	Ray, Charles H.	R. F. D. No. 2, Auburn, Me.	.5
1AEO	Redfield, Kendall A.	18 Mace Pl., Lynn, Mass.	.5
1DY	Redick, Kenneth T.	Newington, Conn.	1.0
1CQ	Reed, Coleman C.	672 Marlboro St., Keene, N. H.	.5
1PO	Reed, Leslie S.	61 Chestnut St., New Bedford, Mass.	1.0
1ANV	Reed, Parker C.	37 Norway St., Boston, Mass.	.5
1BO	Reed, Sherman A.	19 Dunbar St., Keene, N. H.	.5
1EAG	Reeves, Clarence E.	37 Edgewood St., Roxbury, Mass.	.5
1HS	Reese, Lauren A.	181 Woodlawn Ave., Pittsfield, Mass.	.5
1SZ	Reid, Ralph A.	8 Cedar St., Wakefield, Mass.	.5
1EAM	Remington, Frederick H.	269 St. Botolph St., Boston, Mass.	.5
	Revere High School. See Fenno, Stanley W.		
1ST	Reynolds, J. Louis	20 Cordon St., Framingham, Mass.	.5
1CP	Reynolds, Walter W.	19 Marlboro St., Belmont, Mass.	.5
1GE	Reynolds, William B.	37 State St., Framington Center, Mass.	.5
1DI	Rhodes, Clarence A.	50 Sedgewick St., Bridgeport, Conn.	.5
1ANR	Rice, Alonzo H., jr.	8 Thatcher St., Hyde Park, Mass.	.5
1IA	Richmond, Harold B.	12 George St., Medford, Mass.	.5
1JX	Rinaldi, Henry L.	34-A Ibbetson St., Somerville, Mass.	.5
1CC	Robert, Fortuna	458 Lowell St., Manchester, N. H.	.5
1DD	Robillard, Paul M.	149 State St., New London, Conn.	.5
1BR	Robinson, B. C.	St. Johnsbury Center, Vt.	1.0
1GR	Robinson, Henry S.	136 Pleasant St., Attleboro, Mass.	.5
1FE	Robinson, Laurence B.	R. F. D. No. 2, Gorham, Me.	.5
1EJ	Robinson, Philip F.	149 Hollis Ave., Braintree, Mass.	.5
1EMU	Rogers, Harold A.	39 Paulena St., West Somerville, Mass.	.5
1ENV	Root, Edward L.	36 North School St., Manchester, Conn.	.5
1AEN	Rosen, Victor F.	33 Woodlawn St., Lynn, Mass.	.5
1EL	Rosenbloom, William	108 Thornton St., Revere, Mass.	.5
1MS	Rowell, Kendall B.	135 Dale St., Waltham, Mass.	.5
1UW	Rowe, Austin E.	110 Loring Rd., Winthrop, Mass.	.5
1LS	Runey, Leon C.	49 Fairmont St., Belmont, Mass.	.5
1BT	Rusack, Sidney L.	192 Adams St., Lakewood, R. I.	.5
1RR	Rusk, Ian M.	West Townsend, Mass.	.5
1ATD	Ryan, James F.	51 E. Liberty St., Waterbury, Conn.	.5
1EML	Ryder, Malcolm P.	86 Calhoun St., Springfield, Mass.	.5
1EIG	Sacs, James G.	124 Prairie Ave., Providence, R. I.	.5

## AMATEUR RADIO STATIONS—Continued.

## FIRST DISTRICT—Continued.

## ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
1IZ	St. James, Robert T.	38 Avery Lane, Great Barrington, Mass.	Kc. 1.0
1QI	St. James, Vincent.	258 1st St., Pittsfield, Mass.	1.0
1AEI	St. John, Forbes	Darien, Conn.	1.0
1WT	Salzgeber, John W.	81 W. Main St., Ivoryton, Conn.	.5
1WH	Sam, C. King.	17 N. Elm St., Waterbury, Conn.	1.0
1DX	Sandreuter, Stuart.	Stamford, Conn.	.5
1HL	Sargent, Frederick G. Saugus High School.	Westford, Mass.	1.0
	Senay, Charles T.		
1FD	Saunders, Frank.	Richmond, Me.	1.0
1QB	Saunders, George B.	52 Francis St., Boston, Mass.	.5
1AV	Sawyer, Harry L.	31 Newhall St., Lynn, Mass.	.5
1HK	Sayward, Lyman W.	253 Belmont St., Wollaston, Mass.	.5
1A9G	Scher, Harold C.	20 Ashton Ave., Beverly, Mass.	.5
1IN	Schwartz, Walter P.	3 Thatcher St., Hyde Park, Mass.	.5
1LM	Scott, Kenneth G.	27 Alston St., Somerville, Mass.	.5
1LT	Scott, Ralph A.	952 Franklin St., Melrose Highlands, Mass.	.5
1EU	Seibert, Leroy G.	Berlin, Conn.	.5
1IM	Senay, Charles T.	Saugus High School, Saugus, Mass.	.5
1ANM	Senior, William B.	68 Mechanic St., Westerly, R. I.	.5
1IU	Shattuck, George E.	227 Broad St., North Attleboro, Mass.	.5
1AEQ	Shaw, Arthur M.	49 Washington Blvd., Springfield, Mass.	.5
1BN	Shaw, Raymond H.	10 E. Washington St., Rutland, Vt.	.5
1DC	Sheehan, Walter J.	40 Terrace Ave., Waterville, Conn.	1.0
1AS	Sheffield, Irving J.	25 Warren St., Hallowell, Me.	1.0
1IV	Sherman, Israel.	55 Revere St., Boston, Mass.	.5
1MQ	Sherman, Joseph E.	349 Tremont St., Boston, Mass.	.5
1GG	Shirt, Arthur G.	18 Augustus St., Fall River, Mass.	.5
1RX	Shorby, G. Faxon.	249 Grove St., Melrose, Mass.	.5
1QU	Shortle, John.	5 Chelsea St., Charlestown, Mass.	.5
1EM	Stas, Cyril W.	62 Kensington Ave., Springfield, Mass.	.5
1WO	Stmklin, Colin.	44 High St., Hartford, Conn.	1.0
1RC	Simmons, Minot A.	124 Beech St., Roslindale, Mass.	.5
1DF	Simsbur, High School.	Simsbury, Conn.	.5
1AL	Sinnett, Chester M.	Bailey Island, Me.	.5
1ASX	Sisson, Harry D. jr.	41 Brenton Ter., Pittsfield, Mass.	.5
1RQ	Sistare, Donald B.	48 Forest St., Springfield, Mass.	.5
1VI	Stawson, Spencer W.	Brookside Drive, Greenwich, Conn.	.5
1AEK	Sleeper, Joseph N.	Sanborn, N. H.	.5
1AD	Smith, Edward S. C.	55 South St., Biddeford, Me.	.5
1OO	Smith, Kirk E.	300 Park St., West Springfield, Mass.	.5
1VT	Smith, Lewis J.	7 Cedar St., Norwich, Conn.	.5
1EK	Snow, Albert E.	Orleans, Mass.	.5
1IF	Snow, Albert E.	30 Carry Ave., Chelsea, Mass.	1.0
1AA X	Snow, David F.	15 Lincoln St., Arlington, Mass.	.5
1GA	Snow, Harold C.	41 Paradise Rd., Swampscott, Mass.	.5
1BI	Somerville, Paul S.	32 Cliff St., St. Johnsbury, Vt.	.5
1TT	Soney, Henry C.	11 Poindexter St., Lynn, Mass.	.5
1AEU	Southworth, Arthur P.	122 Chestnut St., Wakefield, Mass.	.5
1VN	Southworth, Palmer H.	34 Montowese St., Hartford, Conn.	.5
1TE	Sparrow, Edward.	Southboro, Mass.	.5
1LA	Spear, G. Dana.	32 Common St., Walpole, Mass.	1.0
1ATQ	Spencer, Bonifield M.	17 Maple St., Attleboro, Mass.	.5
1AST	Spencer, Walter B.	71 Pleasant St., West Hartford, Conn.	.5
1FG	Spinney, Charles E.	24 Winter St., Sanford, Me.	.5
1EMF	Stacy, Frank A.	7 Dodge Court, Danvers, Mass.	.5
1OW	Stackhouse, Walter T.	86 Crescent Ave., Revere, Mass.	.5
1AA	Stackpole, Leroy E.	53 River St., Sanford, Me.	.5
1TU	Stackpole, Nelson B.	725 Mineral Spring Ave., Pawtucket, R. I.	.5
1VR	Stagg, Uberto K.	Noroton Heights, Conn.	.5
1WP	Stallforth, Henry H.	50 Liberty St., Hartford, Conn.	.5
1GZ	Stansfield, Arthur C.	17 Montgomery St., Lawrence, Mass.	.5
1IB	Stanyan, Starr W.	76 Boston Ave., West Medford, Mass.	.5
1LU	Staples, Lloyd E.	145 Matfield St., East Bridgewater, Mass.	.5
1TQ	Stark, William H.	258 Ives St., Providence, R. I.	.5
1NM	Starkweather, John B.	17 Gibson Rd., Newtonville, Mass.	.5
1VS	Steadman, Robert C.	31 Park Rd., Brockton, Mass.	.5
1DL	Steele, Maitland.	1202 Park St., West Hartford, Conn.	.5
1RW	Steeves, Arthur.	260 Brighton Ave., Boston, Mass.	.5
1BH	Sterling, George E.	28 Paine St., Springvale, Me.	.5
1LN	Sterling, Roy.	21 Coral St., Lowell, Mass.	.5
1ABR	Stevens, Charles L.	19 Lincoln St., Stoneham, Mass.	.5
1FY	Stevens, Charles R.	30 Worcester St., Framingham Center, Mass.	.5
1AAP	Stevens, Louis W.	394 Riverway, Boston, Mass.	.5
1CA	Stimson, Robert C.	New London, N. H.	.5
1TK	Stlness, Samuel.	260 Broad St., Central Falls, R. I.	1.0

AMATEUR RADIO STATIONS—Continued.

FIRST DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.  <i>Kw.</i>
1KL	Stocker, Clarence I.	65 N. Franklin St., Lynn, Mass.	0.5
1GY	Stolba, Nestor W.	182 Lakeview Ave., Cambridge, Mass.	.5
1BL	Stone, Clayton P.	14 Portland St., St. Johnsbury, Vt.	.5
1AES	Stone, Perry	15 West St., New London, Conn.	.5
1ANS	Stoughton, Edgecombe	198 Ocean Ave., Portland, Me.	.5
1EI	Strang, Paul S. and Olin T.	58 N. Beacon St., Allston, Mass.	.5
1PL	Stratton, Rolland A.	215 Federal St., Greenfield, Mass.	.5
1EMN	Straub, Alphonse B.	151 S. Elm St., Waterbury, Conn.	.5
1OQ	Struthers, Francis W.	Townsend, Mass.	.5
1BG	Stuart, Hamilton C.	12 Main St., St. Johnsbury, Vt.	.5
1AC	Stubbs, Edward T.	1 Bennett St., Sanford, Me.	.5
1JH	Sturtevant, Windsor	219 Florida St., Springfield, Mass.	.5
1HD	Sullivan, John F.	485 E. 6th St., South Boston, Mass.	.5
1ASO	Surrette, Albert L.	434 Massachusetts Ave., Arlington, Mass.	.5
1NF	Sutcliffe, Raymond S.	29 Foster St., Fall River, Mass.	.5
1EAN	Swanton, William A.	42 Dix St., Dorchester, Mass.	.5
1AK	Tabbut, Arthur R.	6 First South St., Bar Harbor, Me.	.5
1EK	Tarment, Ralph E.	381 Main St., Everett, Mass.	.5
1OG	Tarr, Gertrude E.	8 High St., Rockport, Mass.	.5
1OX	Tarr, Melville S.	45 Parker St., Chelsea, Mass.	.5
1EAV	Tatreaux, Ernest	Northbridge, Mass.	.5
1EIQ	Taylor, Alfred C.	788 Hope St., Providence, R. I.	.5
1EAS	Taylor, David F.	55 Bromfield St., Wollaston, Mass.	.5
1ABE	Taylor, Frederic W.	30 S. Main St., Attleboro, Mass.	.5
1BZ	Taylor, George F.	Kennebunk, Me.	1.0
1LJ	Taylor, James W.	62 Tremont St., Boston, Mass.	.5
1OD	Taylor, Walter A.	3 Thurston St., Somerville, Mass.	.5
1QD	Therrien, Arthur J.	213 Walnut St., Lynn, Mass.	.5
1RH	Thompson, James H.	319 South Ave., Whitman, Mass.	.5
1UI	Thornley, Howard W.	7 Belmont St., Pawtucket, R. I.	.5
1DQ	Tilden, Paul L.	23 Williams St., New London, Conn.	.5
1HB	Travis, Gerald E.	59 Kenmore Rd., Medford, Mass.	.5
1NP	Travis, Gerald E.	38 Montebello Rd., Jamaica Plain, Mass.	.5
1GQ	Thompson, John E.	3 Grand St., Reading, Mass.	.5
1EIA	Tobey, Harold A.	42 Pomeworth St., Stoneham, Mass.	.5
1EIF	Towner, F. Bruce.	133 Belmont St., Everett, Mass.	.5
1TA	Tucker, Cecil A.	21 Church St., Lynn, Mass.	.5
1EE	Tucker, Elton H.	121 Messer St., Providence, R. I.	.5
1LV	Tufts, J. Warren	43 Cornell Ave., West Somerville, Mass.	.5
	Tufts Wireless Society. <i>See</i> Entwistle, Guy R.		.5
1MG	Turner, Edwin E.	72 Wyman St., Jamaica Plain, Mass.	.5
1PG	Tyler, Samuel F.	28 Sargent St., Newton, Mass.	.5
1OI	Tyrrell, Alanson B.	8 Ellis Ave., Medford, Mass.	.5
1KO	Upham, Howard B.	20 Mt. Bowdoin Ter., Boston, Mass.	.5
1BA	Varnum, George E.	161 Chelsea St., Charlestown, Mass.	.5
1KV	Veeder, Chester F.	Gosnold, Mass.	.5
1VB	Verbyla, Albert F.	7 Center St., Danbury, Conn.	.5
1HX	Vogel, Edward A.	49 Curtis Ter., Pittsfield, Mass.	.5
1PF	von Colln, Gustaf.	44 Flynt St., Quincy, Mass.	.5
1ASV	Vose, Charles H.	1 Ocean Ter., Lynn, Mass.	.5
1ANW	Wadleigh, Paul F.	Hanover, N. H.	.5
1QC	Wadsworth, Arthur G.	Eastham, Mass.	.5
1BE	Wadsworth, Philip S.	8 Hanover St., Portland, Me.	.5
1VE	Walker, Alva S.	69 Dearfield Drive, Greenwich, Conn.	.5
1KZ	Waldie, Thomas G.	21 Woodbury St., Beverly, Mass.	.5
1JW	Walker, J. Frank	Kittery, Me.	.5
1EIB	Walker, Leon F.	45 Nixon St., Dorchester, Mass.	.5
1ATR	Walker, William G.	53 Winthrop St., Everett, Mass.	.5
1EIT	Walker, William H.	Burlington, Mass.	.5
1EII	Wallace, Malcolm F.	6 Witherbee Ter., Marlboro, Mass.	.5
1KC	Wallace, Ralph H.	1192 Morton St., Dorchester, Mass.	.5
1HP	Wallace, William H.	30 Hastings St., Cambridge, Mass.	.5
1JM	Walter, Elmer H.	39 Cleveland St., Melrose, Mass.	.5
1EIW	Walter, Howard S.	Melrose, Mass. (portable station)	.5
1BW	Walton, Harold F.	104 Elm St., Montpelier, Vt.	.5
1TC	Ward, J. Stedman	16 John St., Newport, R. I.	.5
1IP	Ware, Stanley P.	75 Winthrop St., Everett, Mass.	.5
1MU	Warren, Bertram F.	103 Lexington St., Waltham, Mass.	.5
	Watertown High School. <i>See</i> , Colson, Helen B.		.5
1JI	Watson, Paul W.	17 Waverly St., Everett, Mass.	.5
1FZ	Weber, John H.	12 Russell St., Lewiston, Me.	.5
1EB	Watson, William F., jr.	112 2d St., Newport, R. I.	.5
1CL	Webster, Fullerton D.	12 Hampshire St., Everett, Mass.	.5



## AMATEUR RADIO STATIONS—Continued.

## FIRST DISTRICT—Continued.

## ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
1EAL	Weeks, Walter R.....	47 Pleasant St., Marlboro, Mass.....	Kw. 1.0
1ILO	Weicker, Theodore, jr.....	79 Prospect St., Stamford, Conn.....	.5
1ICR	Wellington, Ellsworth.....	Lunda St., Waltham, Mass.....	.5
1IABI	Wells, Herbert A.....	32 Nelson St., Dorchester, Mass.....	.5
1IPP	Welsh, Michael J.....	2 Crescent Lodge, Melrose, Mass.....	.5
1IPH	Werner, Gustave A. F.....	73 Hollingsworth St., Lynn, Mass.....	.5
1IRV	West, Howard E.....	63 Chestnut Hill Ave., Brighton, Mass.....	.5
1INR	Wetherell, Fred L.....	37 Peck St., Attleboro, Mass.....	.5
1IVP	Whipple, Harold B.....	172 Park St., Medford, Mass.....	.5
1ABW	Whitcomb, Raymond E.....	12 Gerry St., Stoneham, Mass.....	.5
1IAT	White, Earle B.....	Belfast, Me.....	.5
1EMW	White, Elmir L., jr.....	61 Shurtleff St., Chelsea, Mass.....	.5
1IABZ	White, I. Davis.....	Peterboro, N. H.....	.5
1IQW	White, Thomas C.....	53 Perkins Ave., Malden, Mass.....	.5
1IAEW	Whittaker, Laban H.....	38 Corona St., Dorchester, Mass.....	.5
1IVA	Wickes, Henry W.....	Pleasant St., Winthrop, Mass.....	.5
1IEMX	Wiesemeyer, Max L. A.....	Stonington, Conn.....	.5
1IAG	Wilbur, Harold S.....	R. F. D. No. 6, Auburn, Me.....	.5
1IGW	Wiley, James D.....	1548 Beacon St., Waban, Mass.....	.5
1IBC	Wilson, Walter F.....	27 Grand St., South Portland, Me.....	.5
1IAAW	Winant, Alvin C.....	West Medway, Mass.....	.5
1IGF	Wolf, Charles F., jr.....	62 Division St., Pittsfield, Mass.....	.5
1LATV	Wood, E. Earl.....	Camden, Me.....	.5
1IBD	Woodhead, Edward F.....	56 Summer St., Lewiston, Me.....	.5
1IEN	Wright, Ira H.....	12 Closson St., Methuen, Mass.....	.5
1IRL	Wright, Wendell L.....	114 Exchange St., Rockland, Mass.....	.5
1IATE	Young, Bruce W.....	23 Forest St., Arlington Heights, Mass.....	.5
1IENI	Young, Carl F.....	501 Union St., Portsmouth, N. H.....	.5
1IEMY	Young, Frank A.....	525 W. Main St., Meriden, Conn.....	.5
1ICO	Young, Sumner B.....	294 Ashmont St., Dorchester, Mass.....	.5
1IDG	Yoon, Robert C.....	543 Stanley St., New Britain, Conn.....	.5
1IPS	Zahn, Edward G.....	11 Enfield St., Jamaica Plain, Mass.....	.5
1IVC	Zander, Joseph T.....	34 South St., Ansonia, Conn.....	.5
1IENR	Zarth, William A.....	69 Myrtle Ave., Stamford, Conn.....	.5
1IOY	Zwinge, Conrad J.....	776 Winthrop Ave., Revere, Mass.....	.5

## ALPHABETICALLY BY CALL SIGNALS.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
1AAA	Stackpole, L. E.	1ABE	Taylor, F. W.	1AEH	Halligan, W. J.
1AAA	Not issued.	1ABF	Fitch, C.	1AEI	St. John, F.
1AAB	Massey, J. C.	1ABG	Graves, A. S.	1AEJ	Bradshaw, W. B.
1AAC	Prinz, J. C.	1ABH	Moradain, A. P.	1AEK	Sleeper, J. N.
1AAD	Needham, R. W.	1ABI	Wells, H. A.	1AEL	Little, N. C.
1AAE	Baker, W. F.	1ABJ	Brockington, H. G.	1AEM	Johnson, G. W.
1AAF	Drew, W. E.	1ABK	Bent, A. E.	1AEN	Rosen, V. E.
1AAG	Ghen, M. W.	1ABL	Campbell, J. A.	1AEO	Redfield, K. A.
1AAH	Pinnington, W.	1ABM	Pratt, F. W.	1AEP	Hunkins, F. L.
1AAI	Gray, A.	1ABN	Donnelly, G. F.	1AEQ	Shaw, A. M.
1AAJ	Custeau, H. G.	1ABO	Pope, D. R.	1AER	Everett School. Evening
1AAK	Fowle, H. L.	1ABP	Crosby, L. W.	1AES	Stone, P.
1AAL	Murray, J. J.	1ABR	Stevens, C. L.	1AET	Holmes, P. B.
1AAM	McNamara, F. W.	1ABS	Bliss, D. H.	1AEU	Southworth, A. P.
1AAN	Cheever, W. G.	1ABT	Coolikoff, Jack.	1AEV	Ilgayden, K. L.
1AAP	Stevens, L. T.	1ABU	Hertz, W. F. C.	1AEW	Whittaker, L. H.
1AAQ	Butler, J. T.	1ABV	McKinney, R. H.	1AEX	Mosher, A. F.
1AAR	Lewis, W. H.	1ABW	Whitcomb, R. E.	1AEY	Cross, L. E.
1AAS	Gould, C. S.	1ABX	Hutchins, A. G., jr.	1AF	Igart, E. A.
1AAT	Allen, L. H.	1ABY	Cart, A. H.	1AG	Wilbur, H. S.
1AAU	Donahue, F. J.	1ABZ	White, I. D.	1AH	Goularte, M. L.
1AAV	Carter, G. T.	1AC	Stubbs, E. T.	1AI	Perry, H. R.
1AAW	Winant, A. C.	1AD	Smith, E. S. C.	1AJ	Fabrizi, A.
1AA	Snow, D. F.	1AE	Dow, H. L.	1AK	Tabbat, A. R.
1AA	Etter, E.	1AEA	deMars, P. A.	1AL	Sinnett, C. M.
1AAZ	Bates, R. E.	1AEB	Flint, A. W.	1AM	Butler, Guy W.
1ABA	Beattie, R.	1AEC	Not issued.	1AN	Pratt, R. W.
1ABB	Not issued.	1AED	Beebe, W. J.	1ANA	George, E. B.
1ABC	Clark, C. V.	1AEE	Dickson, W. E.	1ANB	Bacuinika, P. L.
1ABD	Engel, R. B.	1AEF	Gilman, S.	1ANC	Killam, P. S.
		1AEG	Cornwell, W. J.		

AMATEUR RADIO STATIONS—Continued.

FIRST DISTRICT—Continued.

ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
1AND	Not issued.	1ATV	Wood, E. E.	1DQ	Doughty, J. H.
1ANE	Lyman, E. W.	1ATW	Brogan, A. R. J.	1DR	Smith, P. B.
1ANF	Fay, A. N.	1ATX	Dean, R. L.	1DS	Westmore, R. E.
1ANG	Godfrey, W.	1ATY	Holcomb, H. A.	1DT	Edgerly, A. H., jr.
1ANH	Aldrich, G. E.	1ATZ	Mitchell, A. H.	1DU	Frost, R. S.
1ANI	Erwin, W. C.	1AU	Huntington, C.	1DV	Schwichtenberg, W. A.
1ANJ	Bailey, C. E.	1AV	Richardson, G. D.	1DW	Holdick, Wm.
1ANK	Kurth, H. L. R.	1AW	Ham, E. G.	1DX	Sandreuter, S.
1ANL	Leonard, J. A.	1AX	Davies, O. E.	1DY	Redick, K. T.
1ANM	Senior, W. B.	1AY	Hill, E. R.	1DZ	Hammond, G. A.
1ANN	Holbrook, F. L.	1AZ	Flint, E. R.		
1ANO	Osborne, R. W.				
1ANP	Hyde, C. E.	1BA	Varnum, G. E.	1EA	Barker, G. D.
1ANQ	Palquist, W.	1BB	Lindsay, A. M., jr.	1EAA	Gavin, T. H.
1ANR	Rice, A. H., jr.	1BC	Wilson, W. F.	1EAB	Parker, W. G.
1ANS	Stoughton, Jr.	1BD	Woodhead, E. F.	1EAC	Hardy, R.
1ANT	Buck, R. C.	1BE	Wadsworth, P.	1EAD	Courtney, R. D.
1ANU	Davis, C. D.	1BF	Gates, P. H.	1EAE	Beverly High School.
1ANV	Reed, P. C.	1BG	Stuart, H. C.	1EAF	Norwell, J. C.
1ANW	Wadleigh, P. F.	1BH	Sterling, G. E.	1EAG	Reeves, C. E.
1ANX	Bailey, W. L.	1BI	Semons, R. W.	1EAH	Berry, G. D.
1ANY	Hayward, E. F., jr.	1BJ	Somerville, P. S.	1EAI	Abels, C. A.
1ANZ	O'Hara, J. F.	1BK	Morse, W. J.	1EAJ	Brassill, J. J.
1AO	Pickles, J. A.	1BL	Stone, C. P.	1EAK	Blake, W. F.
1AP	Downing, R. E.	1BM	Lomnitzer, F. W.	1EAL	Weeks, W. R.
1AQ	Clafin, H. M.	1BN	Shaw, R. H.	1EAM	Remington, F. H.
1AR	Courl, A. N.	1BO	Reed, S. A.	1EAN	Swanton, W. A.
1AS	Sheffield, I. J.	1BP	Mills, B. M.	1EAO	La Marche, H. E.
1ASA	Kenison, A. C.	1BQ	Hackett, H. S.	1EAP	Bowers, M. A.
1ASB	Huston, R. D.	1BR	Robinson, B. C.	1EAQ	Downes, G. H.
1ASC	McKay, J. S. R.	1BT	Cusack,	1EAR	Jacques, A. E.
1ASD	Dallin, E. B.	1BU	Hoyt, L. P.	1EAS	Taylor, D. F.
1ASE	Poor, S.	1BW	Walton, H. F.	1EAT	Feeny, P. F.
1ASF	Jordan, R.	1BX	Howe, R. F.	1EAU	Bowers, W. K.
1ASG	Scher, H. C.	1BY	Parker, L. F.	1EAV	Tatreault, E.
1ASH	Lyman, R. P.	1BZ	Taylor, G. F.	1EAW	Marshall, R. E.
1ASI	Merron, E. W.			1EAX	Maurer, F. T.
1ASJ	Harris, N.	1CA	Stimson, R. C.	1EAY	McCarthy, G. E.
1ASK	Coggins, P. P.	1CB	Southwick, H. F.	1EAZ	Furrier, J. P.
1ASL	Davis, E. W.	1CC	Robert, F.	1EB	Watson, W. F., jr.
1ASM	Koetter, M. W.	1CD	Hitchcock, W. H.	1EC	Cosgrove, F. J.
1ASN	Arlington School.	1CF	Dole, A. M.	1ED	Hardy, R. C.
1ASO	Surrette, A. L.	1CG	Godfray, C. T.	1EE	Waite, L. A.
1ASP	Watertown High School.	1CH	Gordon, E. P.	1EF	Bixby, H. O.
		1CI	Gray, W. D.	1EG	Williams, W. L.
1ASQ	Quinn, A. C.	1CJ	Hillson, R. E.	1EH	Bloom, P. H.
1ASR	Ludgate, R. V.	1CK	Onens, C. E.	1EI	Strang, P. S.
1AST	Spencer, W. B.	1CL	Webster, F. D.	1EIA	Tobey, H. A.
1ASU	Brown, I. M.	1CM	McLane, H. R.	1EIB	Walker, L. F.
1ASV	Vose, C. H.	1CN	Brown, T. S.	1EIC	Chesbro, E. L.
1ASW	Landick, R. E.	1CO	Young, S. B.	1EID	Anderson, J. D.
1ASX	Stison, H. D., jr.	1CP	Reynolds, W. W.	1EIE	Leidel, R. J.
1ASY	Davis, H. W.	1CQ	Reed, C. C.	1EIF	Towner, F. B.
1ASZ	Hendrick, E. A.	1CR	Wellington, E.	1EIG	Sacs, J. G.
1AT	White, E. B.	1CS	Furlong, J.	1EIH	Heffernan, E. J.
1ATA	Wheaton, R. J.	1CU	Collins, G.	1EII	Wallace, M. E.
1ATB	Dunham, C. S.	1CW	Manchester, E. F.	1EIJ	Knight, W. W.
1ATC	Pinkham, E. C.	1CX	McIntosh, H. W.	1EIK	Tarment, R. E.
1ATD	Ryan, J. F.	1CY	Kelly, L. E.	1EIL	Loheed, W. J., jr.
1ATE	Young, B. W.	1CZ	Bean, H. W.	1EIM	Lewis, K. P.
1ATF	Ferguson, A. W.			1EIN	Eaton, L. F.
1ATG	Carleton, F. J.	1DA	Johnson, A. A.	1EIO	Estabrooks, R. W.
1ATH	Hunt, A. W.	1DB	Peterson, H. C. W.	1EIP	Hudder, P. B.
1ATI	Drake, N. L.	1DC	Sheehan, W. J.	1EQ	Taylor, A. C.
1ATJ	Black, O. M.	1DD	Robillard, P.	1EIR	Knight, H. C.
1ATK	Dieter, D. C.	1DE	Cowles, W.	1EIS	Newton Technical School.
1ATL	Peterson, R. M.	1DF	Kelsey, P. C.		
1ATM	Meynell, L. C.	1DG	Yuon, R. C.	1EIT	Walker, W. H.
1ATN	Potter, R. G.	1DH	Cook, L. W.	1EIU	Murphy, C. F.
1ATO	Davis, E. E.	1DI	Rhodes, C. A.	1EIV	Lawyer, L. A.
1ATP	Hatfield, S. J.	1DJ	Cole, G. E.	1EIW	Walter, H. S.
1ATQ	Spencer, B. M.	1DK	Anderson, H.	1EIX	Man, E. H.
1ATR	Walker, W. G.	1DL	Steele, M.	1EY	Loomis, G.
1ATS	Macurdy, E. H.	1DM	Dewey, K. C.	1EZ	Donovan, A. B.
1ATT	Kraus, W. L.	1DN	Balcom, L.		
1ATU	Doyle, W. J.	1DO	Cook, W. T.		
		1DP	Himes, N. E.		

## AMATEUR RADIO STATIONS—Continued.

## FIRST DISTRICT—Continued.

## ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
1EK	Snow, A. E.	1ESO	Howard, F. W.	1HE	Lynde, K. R.
1EL	Rosenbloom, W.	1ESP	Bradshaw, N. V.	1HF	Gardner, C. R.
1EM	Horns, K. E.	1ESQ	Hasbrouck, L.	1HG	Jarret, L. F.
1EMA	Bauer, P. S.	1ESR	Leonard, T.	1HH	Bushee, W. H.
1EMB	Lovejoy, J.	1ESS	Ilick, H. R.	1HI	Burke, A. W.
1EMC	Bloom, H.	1EST	Eaton, R. E.	1HJ	Johnson, E. C. 2d.
1EMD	De Lano, R. B.	1ESU	Fenno, S. W.	1HK	Sayward, L. W.
1EME	Morrison, R. D.	1ESV	Ashland, H. B.	1HL	Sargent, F. G.
1EMF	Stacy, F. A.	1ESW	Dodge, W. E. A.	1HM	Hammett, H. M.
1EMG	Polleys, W. V., jr.	1ESX	Meador, R. B.	1HN	Anderson, D. H.
1EMH	Copeland, S. W.	1ET	Dodge, J. B.	1HO	Bergmann, M. P.
1EMI	Baker, J. S.	1EU	Seibert, L. G.	1HP	Wallace, W. H.
1EMJ	De Lancey, C. P.	1EV	Almquist, F. A.	1HQ	Eberlein, G. H.
1EMK	Dock, L.	1EW	Phelan, L. T.	1HR	Elliott, T. H., jr.
1EML	Ryder, M. P.	1EX	Keyes, P. E.	1HS	Reese, L. A.
1EMN	Straub, A. B.	1EY	Marcroft, W.	1HT	Oliver, H. E.
1EMO	Ireland, W. E.	1EZ	Medberry, C. H.	1HU	Karl, H. J.
1EMP	Petrie, A. L.			1HV	Chutter, G. A.
1EMQ	Heidel, E. O.	1FA	Gould, C. D.	1HW	Munro, H. W. T.
1EMR	Poole, W. H.	1FB	Saunders, F.	1HX	Vogel, E. A.
1EMS	Poole, W. H. (for Durfee, H.)	1FC	Baker, C. H.	1HY	Bennett, L. S.
		1FD	Crie, O. H.	1HZ	Duncan, H. E.
1EMT	Hoopes, T. T.	1FE	Robinson, L. B.		
1EMU	Rogers, H. A.	1FF	Lowell, P. E.	1IA	Richmond, H. B.
1EMV	Dean, J. M.	1FG	Spinney, C. E.	1IB	Stanyan, S. W.
1EMW	White, E. L., jr.	1FH	Ham, M. F.	1IC	Keller, A. C.
1EMX	Wesemeyer, M.	1FI	Bernier, W. J.	1ID	Eddy, J. C.
1EMY	Young, F. A.	1FJ	Megison, W. P.	1IE	Payton, R.
1EMZ	Fortler, M. R. L.	1FK	Hatch, R. J.	1IF	Leighton, H. W.
1EN	Pierce, F. H.	1FL	Larrabee, C. W.	1IG	Patton, E. L. O.
1ENA	Martin, F. S.	1FM	Megison, F. L.	1IH	Fulcr, C. C.
1ENB	Johnson, G. E.	1FN	Knawton, D. W.	1II	Jennings, W. F., jr.
1ENC	Hanks, R. C.	1FO	Davis, F. R.	1IJ	Rassit, A. J., jr.
1END	McElroy, G. A.	1FP	Coombis, G. T.	1IK	Ray, C. H.
1ENE	Cosman, H. E.	1FQ	Leavitt, V. A.	1IL	Pierce, R.
1ENF	Barth, N. E.	1FR	Nichols, J. S.	1IM	Saugus High School.
1ENG	Kennedy, J. A., jr.	1FS	Nash, W. A.	1IN	Schwartz, W. P.
1ENH	Grenier, L. J.	1FT	Ackley, E. P.	1IO	Mosher, C. E.
1ENI	Young, C. F.	1FU	Nicholson, J. H.	1IP	Ware, S. P.
1ENJ	Ludington, H. A.	1FV	Hill, H. F.	1IQ	Bishop, D. S.
1ENK	American Radio As- soc.	1FW	Holton, A. M.	1IR	Butterfield, G. W.
		1FX	Griffin, S. A.	1IS	Briggs, S. M.
1ENL	Pierson, G. B.	1FY	Stevens, G. R.	1IT	Hahn, P. F.
1ENM	Ehler, I. H.	1FZ	Weber, J. H., jr.	1IU	Krueger, W. H.
1ENN	Gould, R. W. B.			1IV	Sherman, I.
1ENO	Muehl, G.	1GA	Snow, H. C.	1IW	Beckvold, M. P.
1ENP	Kollen, H. T.	1GB	Jaques, L. A.	1IX	Ohlson, O.
1ENQ	Berger S.	1GC	Chadwick, G. L.	1IY	Baxter, H. M.
1ENR	Zarth, W. A.	1GD	Lane, F. A.	1IZ	St. James, R. T.
1ENS	Johnson, G. W.	1GE	Reynolds, W. B.		
1ENT	Brothers, G. W.	1GF	Wolf, C. F., jr.	1JA	Leathers, J. W.
1ENU	Barney, G. C.	1GG	Shirt, A. G.	1JB	Hovenden, H. C.
1ENV	Root, E. L.	1GH	Nickerson, A. B.	1JC	Parker, J. A.
1ENW	Hicks, G. B.	1GI	Higgins, C. H.	1JD	Collins, L.
1ENX	Gray, R. C.	1GJ	Bradbury, L. F.	1JE	Bushway, G. F.
1ENY	Flaherty, H. J.	1GK	Lang, S. W.	1JF	Snow, A. E.
1ENZ	Edison, G. H.	1GL	Howe, B. J.	1JG	Pratt, F.
1EO	Blanchard, C. T.	1GM	Haffcke, P. M.	1JH	Martin, E. C.
1EP	Crocker, E. P.	1GN	Palmer, C. A.	1JI	Watson, P. W.
1EQ	Farnum, W. H.	1GO	Morton, S.	1JJ	Tufts Wireless So- ciety.
1ER	McCurdy, B. H.	1GP	Marsh, A. A.		
1ES	Armstrong, L. W.	1GQ	Thompson, J. E.	1JK	Batchelder, H. M.
1ESA	Gowell, B. W.	1GR	Robinson, H. S.	1JL	Ayres, R. T.
1ESB	Byron, M.	1GS	McMahon, E. C.	1JM	Walter, E. H.
1ESC	Gage, R. W.	1GT	Cummings, F. H.	1JN	Billotte, L. C.
1ESD	Lyman, C. F., jr.	1GU	Raumann, H.	1JO	Campbell, J. S.
1ESE	O'Neill, J. D.	1GV	Gavill, W. W.	1JP	Parkhurst, R. W.
1ESF	Feeney, E. O.	1GW	Riley, J. D.	1JQ	Allen, G. H.
1ESG	Hampton, W. G.	1GX	French, W. B.	1JR	Harding, D. W.
1ESH	Lessard, W.	1GY	Stolba, N. W.	1JS	Powers, L. S.
1ESI	Phelan, H.	1GZ	Stansfield, A. C.	1JT	Farmer, E.
1ESJ	Morrill, D. H.			1JU	Cook, G. C.
1ESK	Dibbins, S. A.	1HA	Blanchard, R. C.	1JV	Chisholm, G. C.
1ESL	Morris, J.	1HB	Travis, G. E.	1JW	Walker, J. F.
1ESM	Brennan, E. G.	1HC	Cheetham, H. R.	1JX	Rinaldi, H. L.
1ESN	Wright, I. H.	1HD	Sullivan, J. F.	1JY	Herland, J. N.

AMATEUR RADIO STATIONS—Continued.

FIRST DISTRICT—Continued.

ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
1KA	Jepson, W. F.	1MU	Warren, B. E.	1PP	Welch, M. J.
1KB	Edwards, R. E.	1MV	Caldwell, G. W.	1PO	Allen, P. R.
1KC	Wallace, R. H.	1MW	Lynn, H. W.	1PR	Goldner, J.
1KD	David, H. E.	1MX	Calley, E. W.	1PS	Zahn, E. G.
1KE	Blackie, N. E.	1MY	Fales, M. A. L.	1PT	Clayton, H. C.
1KF	Pennypacker, T. R.	1MZ	Clark, L. J.	1PV	Folsom, R. A.
1KG	Allen, F.			1PW	Crosby, C. R.
1KH	Lally, C. A.	1NA	Andonegi, L.	1PX	Murphy, H. J.
1KI	Loring, W. B.	1NB	Blanchard, R. N.	1PY	Pulley, L. A.
1KJ	Blake, S. S.	1NC	Elkwall, G. O.	1PZ	Ranlett, F. J., jr.
1KK	Petley, R. A.	1ND	Mix, D. G.		
1KL	Stocker, C. I.	1NE	Coleman, B. B. B.	1QB	Saunders, G. B.
1KM	Schlesau, W. W.	1NF	Sutcliffe, R. S.	1QC	Wadsworth, A. G.
1KN	Paisted, F. H.	1NG	Marshall, T. S.	1QD	Therrien, A. J.
1KO	Uplam, H. B.	1NH	Hilliard, D. S.	1QE	Chace, M. F.
1KP	Fuller, P. D.	1NI	Folin, G. G.	1QF	Nash, P. D.
1KQ	Armstrong, J. B.	1NJ	Greeley, F. B.	1QG	Edmester, E. C.
1KR	Anderson, A. R.	1NK	Kohl, W. C.	1QH	Melvin, L. W.
1KS	Boy Scouts of America, Troop I.	1NL	Curtis, S., jr.	1QJ	Noble, L. C.
		1NM	Starkweather, J. B.	1QK	Black, W. R.
1KT	Fruen, F. G.	1NN	Ingalls, G. A.	1QL	Noyes, R.
1KU	Lamb, C. M.	1NO	Davis, O. F.	1QN	Bowditch, F. C., jr.
1KV	Veeder, C. F.	1NP	Travis, G. E.	1QO	Morton, A. R.
1KW	Beering, H. A.	1NQ	Getchell, M. D.	1QP	Kilton, J. A., jr.
1KX	Holt, C. G.	1NR	Wetherell, F. L.	1QQ	McGrath, J. L.
1KY	Hallett, C. E.	1NS	Hyde, I. B.	1QR	Clark, W. C.
1KZ	Wadlie, T. G.	1NT	Lynch, J. P.	1QS	Croft, T. C.
		1NU	Campbell, H. G.	1QT	Hovey, A. T.
1LA	Spear, G. D.	1NV	Campbell, Miss M. L.	1QU	Shortis, J.
1LB	Blume, C. T.	1NW	McDermott, J. H.	1QV	White, T. D.
1LC	Mass. Int. of Tech.	1NX	Brown, W. C.	1QX	Booth, J. D.
1LD	Isherwood, W. L.	1NY	Lovis, D. B.	1QY	Hunt, A. M.
1LE	Harvard Wireless Club.	1NZ	Knight, G. W.	1QZ	Danehy, E. J.
1LF	Barrett, B. L.	1OA	Anthony, R. L.	1RA	Hood, R. S.
1LG	Ballou, W. H.	1OB	O'Brine, D. J.	1RB	Brackett, W. F.
1LH	Burke, H. M.	1OC	Henry, H. M.	1RC	Chase, F. H.
1LI	Dwight, H. W.	1OD	Taylor, W. A.	1RD	Ericson, A. E.
1LJ	Taylor, J. W.	1OE	Hamilton, C. F.	1RE	MacLeod, C. M.
1LK	Haskins, F. C.	1OF	Eldredge, C. R.	1RF	Pennypacker, T. R.
1LL	Justice, F. C.	1OG	Tarr, Miss G. E.	1RG	Buffinton, W. H.
1LM	Scott, K. G.	1OH	Flanders, F. F.	1RH	Thompson, J. H.
1LN	Sterling, Roy.	1OI	Tyrell, A. B.	1RI	Gawler, H. C.
1LO	Weicker, T., jr.	1OJ	Beecher, G. E.	1RJ	Balley, W. A.
1LP	Hitchcock, R.	1OK	Hill, H. F.	1RK	Prescott, E. M.
1LQ	Bennett, W. F., jr.	1OL	Whitmore, J. W.	1RL	Wright, W. A.
1LR	Brigham, E. R.	1OM	Payson, G. R., jr.	1RM	Clements, W. B.
1LS	Runeby, L. C.	1ON	Cosgrove, R. D.	1RN	Ege, J. F.
1LT	Scott, R. A.	1OO	Smith, K. E.	1RO	Fernald, W. A.
1LU	Staples, L. E.	1OP	Baldwin, P. K.	1RP	Duchemin, A. W.
1LV	Tufts, J. W.	1OQ	Struthers, F. W.	1RQ	Sistare, D. B.
1LW	Miller, R. A.	1OR	Brown, R. B.	1RR	Rusk, I. M.
1LX	McMahon, W. G.	1OS	Copland, H. D.	1RS	Buzzelle, A. R.
1LY	Daykin, L. H.	1OT	Appelin, G. W.	1RT	Baskin, Israel.
1LZ	Knight, M.	1OU	Cote, A. E.	1RU	Norcross, W.
		1OV	Anderson, A. E.	1RV	West, H. E.
		1OW	Stackhouse, W. T.	1RW	Steeves, A.
1MA	Irwin, S. W.	1OX	Tarr, M. S.	1RX	Shover, G. F.
1MB	Bondette, C. M.	1OY	Zwinge, C. J.	1RY	Newcomb, R. D.
1MC	Murray, A. F.	1OZ	Doe, C. S.	1RZ	Gallagher, E. J.
1MD	Caswell, C. T.				
1ME	Angell, O. P.	1PA	Corliss, R. B.	1SA	Mercer, W. R.
1MF	Entwistle, W. R.	1PB	Hoefner, F. A.	1SB	Corcoran, T. A.
1MG	Turner, E. E.	1PC	Palmer, R. S.	1SC	Lipson, E.
1MH	Eaton, H. W.	1PD	Folsom, O. E.	1SD	Oliver, H. W.
1MI	Kelly, R. P.	1PE	Hardy, J.	1SE	Phillips, H. D.
1MJ	Juddins, N. B.	1PF	von Colln, G.	1SF	Garrett, J. D.
1MK	Johnson, T. A.	1PG	Tyler, S. F.	1SG	Nickerson, E. W.
1ML	Lyon, W. H.	1PH	Werner, G. A. F.	1SH	Farmelee, A. O.
1MM	Wood, M. E.	1PI	Knight, M. E.	1SI	Alger, J. W.
1MN	Hodgdon, M. L.	1PJ	Pratt, W. L.	1SJ	Lynch, S. W.
1MO	Ostrander, F. K., jr.	1PK	Eastman, D. L.	1SK	Geer, L. P.
1MP	Pursell, C. V.	1PL	Stratton, R. A.	1SL	Bearse, E. W.
1MQ	Sherman, J. E.	1PM	Hartwell, E. G.	1SM	Sias, C. W.
1MR	Leonard, F. D.	1PN	Pettipas, W. P.	1SN	Colton, R. H.
1MS	Rowell, K. B.	1PO	Reed, L. S.	1SO	Cash, W. H.
1MT	Mathewson, O. W.				

AMATEUR RADIO STATIONS—Continued.

FIRST DISTRICT—Continued.

ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
18P	Lisker, W.	1UA	Guilmette, E. J.	1VL	Belknap, E. L.
18Q	Morrison, H. R.	1UB	Pease, R. M.	1VM	VanAllen, E. J.
18R	Gray, H. L.	1UC	Mellor, J. W.	1VN	Southworth, P. H.
18S	Gawler, L. M.	1UD	Gates, H. S.	1VO	Haskell, S. D.
18T	Reynolds, J. L.	1UE	Jette, G. E.	1VP	Whipple, H. B.
18U	O'Brien, D. W.	1UF	Caldwell, R. P.	1VR	Stagg, U. K.
18V	Burton, H. R.	1UH	Lear, G. F.	1VS	Steadman, R. C.
18W	Hersey, R. H.	1UI	Thornley, H. W.	1VT	Hill, W. J.
18X	Boy Scouts of America, Troop 2.	1UJ	Frost, E. W.	1VU	Morse, H. J.
18Y	Hathaway, S. D.	1UK	Capillon, E. A.	1VV	Lewis, G. B.
18Z	Reid, R. A.	1UL	Allen, E. B.	1VW	Delage, G. C.
		1UM	Flint, C. O.	1VY	Park, F. E., jr.
		1UN	Peckham, J. W.	1VZ	Becker, C. W.
1TA	Tucker, C. A.	1UO	Doyle, J. B.		
1TB	Mulvihill, F. A.	1UP	Classical High School, Prov.	1WA	Bueb, J. J., jr.
1TC	Ward, J. S.			1WB	Philbrook, R. G.
1TD	Wilbur, A. E.	1UR	Briggs, S. M.	1WC	Coleman, W. F.
1TE	Sparrow, E. G.	1US	Achin, H., jr.	1WE	Baldwin, J. P.
1TF	Allinson, G. T.	1UT	Marcroft, J.	1WF	Leave, S. J.
1TG	Manchester, A. W.	1UW	Rowe, A. E.	1WG	Clark, B. J.
1TH	Manuel, L.	1UX	Hull, E. B.	1WI	Grant, A. A.
1TI	Horgan, F. T.	1UY	Merritt, H. E.	1WJ	Barrett, J. H.
1TJ	Fitch, C.	1UZ	Learned, A. A.	1WK	Palmer, R. C.
1TK	Stiness, S. G.			1WN	Neuhaus, T. F.
1TL	Flint, C. O.	1VA	Wickes, H. W.	1WO	Simkin, C.
1TN	Mahoney, C. J.	1VB	Verbyla, A. E.	1WP	Stallworth, H. H.
1TO	Newton, R. C.	1VC	Zander, J. T.	1WQ	Conner, J. A.
1TP	Jensen, L. C.	1VD	McMahon, J. F.	1WR	Lane, C. C.
1TQ	Stark, W. H.	1VE	Walker, A. S.	1WS	Hitchcock, H. A.
1TS	Clarkson, C. M.	1VF	Mayer, A. W.	1WT	Salzgeber, J. W.
1TT	Soney, H. C.	1VG	Dow, J. A.	1WU	Loomis, H. C.
1TU	Stackpole, N. B.	1VH	Bollerer, A. V.	1WV	Blanke, D. C.
1TW	Fogg, G. F.	1VI	Slawson, S. W.	1WW	Bailey, P. A.
1TX	Brown, L.	1VJ	Frank, L. G.	1WX	Powell, Cecyl.
1TY	Champlin, A. R.	1VK	Lynn English, High School.	1WY	Hoggson, W.
1TZ	McHenry, A. T.				

SECOND DISTRICT.

[Headquarters: Customhouse, New York, N. Y. The second district comprises the States of New York (county of New York, Staten Island, Long Island, and the counties on the Hudson River to and including Schenectady, Albany, and Rensselaer) and New Jersey (counties of Bergen, Passaic, Essex, Union, Middlesex, Monmouth, Hudson, and Ocean).]

ALPHABETICALLY BY OWNERS OF STATIONS.

Call signal.	Owner of station.	Location of station.	Power.
2AEF	Abrams, Milton F., jr.	386 Scranton Ave., Lynbrook, N. Y.	Kw. 0.5
2AMA	Ackerman, Rudolph W.	Scarsdale, N. Y.	1.0
2ANL	Adams, Chester B.	41 Osborn St., Keyport, N. J.	.5
2BT	Adams, Earl F.	1048 Julia St., Elizabeth, N. J.	.5
2AA	Adams, Everett L.	22 Stockton St., Bloomfield, N. J.	.5
2TQ	Adams, E. William, jr.	392 Franklin St., Bloomfield, N. J.	.5
2AOF	Adams, John D.	172 6th Ave., North Troy, N. Y.	.5
2AAY	Adickes, Ernest D.	173 W. Ridgewood Ave., Ridgewood, N. J.	1.0
2AMV	Adolph, Herbert	1167 Clay Ave., New York, N. Y.	.5
2VQ	Agnoli, Justus J.	16 Purvis St., Long Island City, N. Y.	.5
2AQO	Alexander, Bronson H.	600 W. 183d St., New York, N. Y.	.5
2LA	Alfaro, Richard F.	730 Riverside Drive, New York, N. Y.	1.0
2ARF	Allen, Edwin W. and James J., jr.	Chatham, N. J.	.5
2AMK	Allin, Willis F.	1148 Fairmount Ave., Elizabeth, N. J.	.5
2UB	Allstrom, F. Condit	46 Chestnut St., East Orange, N. J.	.5
2AHC	Amy, Ernest V.	48 W. 70th St., New York, N. Y.	.5
2AKZ	Anderson, Lansdell	226 Sylvania Ave., Avon-by-the-Sea, N. J.	.5
2WI	Anderson, Robert N.	353 Warburton Ave., Yonkers, N. Y.	.5
2ALG	Angen, John	1075 Elizabeth Ave., Elizabeth, N. J.	.5
2ARV	Appell, Daniel T.	41 St. Nicholas Ter., New York, N. Y.	.5
2UR	Arany, Leo	123 W. 112th St., New York, N. Y.	.5

## AMATEUR RADIO STATIONS—Continued.

## SECOND DISTRICT—Continued.

## ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. <i>Kw.</i>
2EG	Aranyi, Egmont.....	123 W. 112th St., New York, N. Y.	0.5
2BS	Asche, Charles F.....	78 Roosevelt Pl., Freeport, N. Y.	.5
2GL	Ashley, George.....	Chatham, N. Y.	.5
2IP	Ashmall, William F., jr.....	11 Pavonia Ave., Arlington, N. J.	.5
2APE	Averill, William H.....	446 Park Ave., Paterson, N. J.	1.0
2ALV	Atkinson, Benjamin.....	496 Park Ave., Paterson, N. J.	.5
2JN	Atwater, Charles K.....	40 Oakwood Ave., Upper Montclair, N. J.	.5
2MR	Atwater, Frank G., jr.....	1562 E. 13th St., Brooklyn, N. Y.	.5
2NY	Austrian, Ralph B.....	49 St. Nicholas Ter., New York, N. Y.	1.0
2AMR	Avery, John.....	4 Spruce St., Corona, N. Y.	.5
2RW	Baily, Hobart W.....	Harrison, N. Y.	.5
2APX	Baker, Alvah L.....	253 W. 116th St., New York, N. Y.	.5
2LO	Baker, William N.....	881 Montgomery St., Jersey City, N. J.	.5
2ARA	Balison, Howard.....	361 Eastern Parkway, Brooklyn, N. Y.	.5
2AIX	Ballentine, Harold E.....	17 Sharp Ave., Port Richmond, N. Y.	.5
2DL	Bangert, Valentine F., jr.....	34 Orchard St., Jamaica, N. Y.	.5
2BD	Banta, Theodore C.....	76 Walnut St., Ridgewood, N. J.	.5
2AQP	Bargebuhr, Herbert M.....	649 W. 184th St., New York, N. Y.	.5
2PC	Barriette, Samuel L.....	311 Macon St., Brooklyn, N. Y.	.5
	Barron Avenue High School. See Love, John H.		
2GB	Bartlett, Bernard W.....	507 Westfield Ave., Westfield, N. J.	.5
2CJ	Barthgate, Walter E.....	102 High St., Passaic, N. J.	.5
2ADV	Bazensky, Joseph I.....	307 Berriman St., New York, N. Y.	.5
2AFZ	Beaton, J. Donald.....	Waterwitch, N. J.	.5
2EJ	Bechtloff, Claude B.....	106 Walnut St., Ridgewood, N. J.	.5
2CZ	Becker, Frank.....	12 Callister St., New York, N. Y.	.5
2AGE	Bedell, Walter R.....	35 Hooker Ave., Poughkeepsie, N. Y.	.5
2CO	Beechel, George H. J.....	231 79th St., Brooklyn, N. Y.	.5
2ACX	Beeken, William S.....	Fanwood, N. J.	.5
2MV	Bell, Arthur E.....	92 Elizabeth St., West New Brighton, N. Y.	.5
2WN	Beller, William A. G.....	588 Essex St., Brooklyn, N. Y.	.5
2AGA	Belsky, Walter.....	1134 Findlay Ave., New York, N. Y.	.5
2AQX	Bement, Frederic.....	Bryant High School, Long Island City, N. Y.	1.0
2LL	Benedict, Alonzo R.....	Newburgh, N. Y.	.5
2AP	Benson, Edwin.....	2567 Bedford Ave., Brooklyn, N. Y.	.5
2ALW	Benson, Warren S.....	4 Fuller Pl., New York, N. Y.	.5
2TE	Bentzig, Victor H.....	165 Woodmere Pl., Richmond Hill, N. Y.	.5
2AHA	Benzing, Herman A.....	802 E. Jersey St., Elizabeth, N. J.	.5
2ARY	Berger, George P.....	171 Parker St., Newark, N. J.	.5
2PN	Berger, H. C. V. B.....	33 Pennington Ave., Passaic, N. J.	.5
2AHS	Bergner, James A.....	206 High St., Brooklyn, N. Y.	.5
2AFB	Berlin, Benjamin.....	1252 Flatbush Ave., Brooklyn, N. Y.	.5
2NT	Bernstein, Arthur W.....	220 1st Ave., Mt. Vernon, N. Y.	.5
2MS	Berri, Herbert.....	497 E. 17th St., Brooklyn, N. Y.	.5
2AMH	Bettels, Edward T.....	56 Rockdale Ave., New Rochelle, N. Y.	.5
2MN	Betts, Philander II.....	238 Valley Rd., Montclair, N. J.	.5
2AIF	Bills, Charles A.....	86 Clark Ave., Ocean Grove, N. J.	.5
2QB	Blackford, Harold W.....	220 Park Ave., Plainfield, N. J.	.5
2FO	Blanchard, Wesley S.....	170 Jersey St., New Brighton, N. Y.	.5
2CR	Blauvelt, William M.....	198 Main St., Nyack, N. Y.	.5
2SP	Bleilevens, Gerhardt.....	318 33d St., Woodcliff-on-Hudson, N. J.	1.0
2AHK	Bocchio, Raymond.....	8 E. Barbour St., Haledon, N. J.	.5
2AFA	Bodkin, Laurence G.....	290 Clinton Ave., Brooklyn, N. Y.	.5
2JD	Boeder, Arthur R.....	3430 Duncomb Ave., New York, N. Y.	1.0
2PY	Bogardus, Henry L.....	327 Bergen Ave., Jersey City, N. J.	.5
2AQS	Bohman, Albert.....	122 Wilbur Ave., Long Island City, N. Y.	.5
2TP	Bohn, William C.....	1515 2d Ave., New York, N. Y.	.5
2ARG	Bona, Edward.....	62 Van Nostrand Ave., Jersey City, N. J.	.5
2UG	Bondeaux & Knights.....	862 Hewitt Pl., New York, N. Y.	1.0
2ME	Booth, Sherman F.....	30 Center St., New York, N. Y.	.5
2AQM	Borax, Isidor.....	226 W. 121st St., New York, N. Y.	.5
2ASM	Borduini, David.....	61 Planfern Ave., Prospect Park, N. J.	.5
2AEK	Brainard, Edward S.....	400 W. Franklin Ave., Ridgewood, N. J.	1.0
2LW	Breen, Thomas J.....	353 E. 193d St., New York, N. Y.	.5
2ARN	Bremer, Frank V.....	3613 Boulevard, Jersey City, N. J.	.5
2AII	Brewster Carleton, jr.....	2 Ocean Ave., Bay Shore, N. Y.	.5
2AAS	Brick, Frank R., jr.....	50 Avenue B, Bayonne, N. J.	1.0
2GF	Brockman, Francis C.....	226 Walnut St., Roselle Park, N. J.	1.0
2AFC	Broggini, Claud.....	2605 8th Ave., New York, N. Y.	.5
2CL	Brooklyn Telegraph School.....	313 Fulton St., Brooklyn, N. Y.	.5
2FU	Brooks, L. Van V.....	510 W. 113th St., New York, N. Y.	.5
2AJF	Broome, Frank H.....	315 Chestnut St., Roselle Park, N. J.	.5
2FF	Brower, Harold S.....	19 S. Clinton St., Poughkeepsie, N. Y.	.5
2ANT	Brown, Mortimer.....	Sayville, N. Y.	.5
2VM	Brown, Philip T.....	1808 Grand Concourse, New York, N. Y.	1.0
2KD	Browne, Walram S.....	1565 E. 12th St., Brooklyn, N. Y.	1.0

## AMATEUR RADIO STATIONS—Continued.

## SECOND DISTRICT—Continued.

## ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. <i>Kw.</i>
2JR	Bruce, Edmond	2049 63d St., Brooklyn, N. Y.	0.5
2AMI	Brush, George S., jr. Bryan, High School. See Bement, Frederic	326 E. Main St., Patchogue, N. Y.	.5
2AF	Bryant, Marquis V.	6 S. Highland Ave., Nyack, N. Y.	.5
2MH	Buchanan, William F.	128 Market St., Perth Amboy, N. J.	.5
2ACN	Buchheister, Morris	5 W. 117th St., New York, N. Y.	.5
2NL	Buckman, John R.	4 Hemlock Pl., New Rochelle, N. Y.	.5
2AKO	Burns, Raymond N.	203 Bay 31st St., Bensonhurst, N. Y.	.5
2AID	Butler, Robert M.	396 E. 16th St., Brooklyn, N. Y.	.5
2AJ	Buttner, Edwin T.	Keansburg, N. J. (portable station)	.5
2AGM	Buttner, Edwin T.	1160 3d Ave., New York, N. Y.	.5
2AHR	Byrne, William	85 N. 120th St., Rockaway Park, N. Y.	.5
2ACQ	Cadmus, Le Roy G.	96 Forest Ave., Glen Ridge, N. J.	.5
2WK	Cagliano, Carmine J.	245 Pacific St., Brooklyn, N. Y.	.5
2RL	Camp, Victor F.	Brightwaters, N. Y.	1.0
2ARP	Campbell, George C.	92 Highland Ave., Yonkers, N. Y.	.5
2ES	Campbell, Robert, jr.	117 Marshall St., Elizabeth, N. J.	.5
2EX	Cannon, George C.	183 Drake Ave., New Rochelle, N. Y.	1.0
2ALK	Capillon, Edward A.	799 Park Ave., New York, N. Y.	.5
2APR	Carpenter, Stephen C.	273 E. Main St., Hempstead, N. Y.	.5
2AIC	Carr, John	204 W. 149th St., New York, N. Y.	.5
2IA	Carruthers, David	135 Waverly Pl., New York, N. Y.	.5
2AKE	Cater, Raymond	Keyport, N. J.	.5
2AKI	Caulfield, James V.	2331 135th St., New York, N. Y.	.5
2ADB	Cawman, David L.	1531 Sewell Ave., Asbury Park, N. J.	.5
2APY	Charleton, Eugene E.	1628 11th Ave., Brooklyn, N. Y.	.5
2AOC	Cherry, George S.	155 Broad St., Keyport, N. J.	.5
2DS	Clark, Le Roy	Chestnut St., Englewood, N. J.	1.0
2AQJ	Clarkin, William	2416 Morris Ave., New York, N. Y.	.5
2AOK	Class, Charles L.	38 Vernon Ter., East Orange, N. J.	.5
2AAK	Coddady, Lawrence M.	227 Audubon Ave., New York, N. Y.	1.0
2MY	Cohan, Edwin K.	601 W. 150th St., New York, N. Y.	1.0
2ARR	Cohen, Monte	310 W. 14th St., New York, N. Y.	.5
2PS	Cohen, Samuel	1936 Pitkin Ave., Brooklyn, N. Y.	.5
2HV	Collignon, Francis A.	352 Willet Ave., Port Chester, N. Y.	.5
2TZ	Collins, Frank J.	22 Cedar St., Yonkers, N. Y.	.5
2RT	Collins, Jesse G.	70 Cherry St., West Orange, N. J.	.5
2KN	Collison, Percy B.	172 Maple St., Brooklyn, N. Y.	.5
2HW	Combes, Rae	28 A. E. 42d St., Bayonne, N. J.	.5
2AHI	Comes, William J.	14 Geneva St., Newark, N. J.	.5
2FI	Connor, Harold G.	827 3d Ave., North Troy, N. Y.	.5
2IC	Connors, James	1304 Shakespeare Ave., New York, N. Y.	.5
2AMW	Coon, George	36 116th St., New York, N. Y.	.5
2ADY	Cooper, William S.	566 53d St., Brooklyn, N. Y.	.5
2HF	Cooté, Charles W.	240 Audubon Ave., New York, N. Y.	.5
2KA	Cooté, Charles W.	586 177th St., New York, N. Y.	.5
2IG	Corwin, George E.	46 Hanford St., Middletown, N. Y.	.5
2LD	Cotter, William F.	68 Oakland Ave., Jersey City, N. J.	.5
2VK	Covett, James D.	40 Glenwood Rd., Upper Montclair, N. J.	.5
2IT	Cowper, Norman C.	Lynbrook, N. Y.	1.0
2AER	Crinnion, Edward T. J.	63 Mt. Hope Pl., New York, N. Y.	.5
2DP	Crocker, Frank H.	11 Broadway, Rockville Center, N. Y.	.5
2GJ	Croneneyer, Edmund G.	1201 Vyse Ave., New York, N. Y.	.5
2AJV	Cronin, William	526 W. 174th St., New York, N. Y.	.5
2EM	Crosby, Roy C.	211 W. 18th St., New York, N. Y.	.5
2ADM	Crosby, Warner C.	Saddle River, N. J.	.5
2ANQ	Crowe, Howard A.	Harrison, N. Y.	.5
2ABF	Crozier, Edward A.	Fair Haven, N. J.	.5
2KJ	Cummings, Frank X.	2132 Washington Ave., New York, N. Y.	.5
2ADT	Cushman, Charles D., jr.	137 Davis Ave., New Brighton, N. Y.	.5
2DI	Cyriax, Ernest A.	219 E. 71st St., New York, N. Y.	.5
2GG	Dahlgren Birger A.	1652 41st St., Brooklyn, N. Y.	.5
2BJ	Dahms, Herbert	21 Manito Ave., Poughkeepsie, N. Y.	.5
2CE	Dain, John W.	513 James St., Peekskill, N. Y.	1.0
2AD	Dammers, Albert	145 Newell Ave., Rutherford, N. J.	1.0
2AAI	Dartiquenave, Henry P.	659 W. 179th St., New York, N. Y.	.5
2AOY	Davidson, Arthur	308 W. 112th St., New York, N. Y.	.5
2AGX	Davies, Richard J., jr.	334 4th St., Union Hill, N. J.	1.0
2ADP	Davis, Clarence F.	809 Park Pl., Brooklyn, N. Y.	.5
2CX	Davison, Walter H., jr.	22 N. Park Ave., Rockville Center, N. Y.	.5
2NA	Dawley, Earle K.	86 Henry St., Passaic, N. J.	.5
2AIS	Dawson, Fred	64 Laurel Ave., Arlington, N. J.	.5
2KK	Day, Howard B.	555 Mountain Ave., Westfield, N. J.	1.0
	de Calahorra, Amadeo S. See Saenz de Calahorra, Amadeo.		

AMATEUR RADIO STATIONS—Continued.

SECOND DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			<i>Kw.</i>
2AFN	Decker, Ralph W. E.	21 Valley Rd., White Plains, N. Y.	1.0
2VS	Decker, Ralph W. E.	7 Odell Ave., White Plains, N. Y.	1.0
2JX	De Cortin, Gustav A.	16 Elm St., Mt. Vernon, N. Y.	.5
2AJX	Dederick, Harry C.	46 N. 5th St., Hudson, N. Y.	.5
2TL	de Forest, Edward L., jr.	Garden City, N. Y.	.5
2AAB	Deltz, Burr V.	Slingerlands, N. Y.	.5
2JT	Dennis, Frederick F.	Fair Haven, N. J.	.5
2CF	Derx, Martin, jr.	253 Vernon Ave., Brooklyn, N. Y.	1.0
2AJG	De Vizfo, Joseph	1656 Parker St., Westchester, N. Y.	.5
2AS	De Yoe, Willard L.	689 Broadway St., Paterson, N. J.	.5
2TC	Dickenson, Henry E.	91 Greenbridge Ave., White Plains, N. Y.	.5
2CN	Dickey, Edward T.	1649 Amsterdam Ave., New York, N. Y.	.5
2ARX	Dickinson, Edwin A.	1038 Garden St., Hoboken, N. J.	.5
2GY	Dietz, Walter	13 Sherman Ave., Yonkers, N. Y.	.5
2ARM	Dimmick, F. Ray	230 1/2 4th St., Jersey City, N. J.	.5
2ALL	Dinga, William E.	585 Amsterdam Ave., New York, N. Y.	.5
2AFE	Dix, Harold S.	115 Harrison Ave., Westfield, N. J.	.5
2ABO	Dodd, H. Hanson	131 Clarewill Ave., Upper Montclair, N. J.	.5
2RO	Dodds, Andrew C.	132 S. Swan St., Albany, N. Y.	.5
2EZ	Donohue, Peter J.	103 W. 60th St., New York, N. Y.	.5
2ML	Donovan, Etienne S.	255 Circuit St., New Rochelle, N. Y.	.5
2EA	Doty, Walter P.	478 W. 145th St., New York, N. Y.	.5
2AIA	Draper, George B.	1076 Anderson Ave., New York, N. Y.	.5
2EU	Droste, George T.	1309 Pugsley Ave., New York, N. Y.	.5
2QAQ	Drury, Frank	21 Amherst Ave., Jamaica, N. Y.	.5
2IY	Dunham, Edward W.	631 Jersey Ave., Jersey City, N. J.	.5
2TN	Dunham, Clarence L.	250 Woodlawn Ave., Jersey City, N. J.	.5
2ACV	Dunham, John S.	22 Buckingham Rd., Brooklyn, N. Y.	.5
2ALI	Dunham, Nelson	103 1st Ave., Highland Park, N. J.	1.0
2HT	Dunn, Alan C.	62 Edgecombe Ave., New York, N. Y.	.5
2RG	Earle, William P., jr.	White Plains, N. Y.	.5
2AV	Eastern District Y. M. C. A.	179 Marcy Ave., New York, N. Y.	.5
2AI	Eber, John G.	5505 3d Ave., Brooklyn, N. Y.	.5
2ADE	Eckler, H. D.	30 Highland Ave., Walden, N. Y.	.5
2QJ	Eckley, Harold J.	Beechmont Pk., New Rochelle, N. Y.	.5
2FG	Eckstein, William J.	35 W. 177th St., New York, N. Y.	1.0
2AEH	Edwards, Joseph B.	236 Linden Ave., Brooklyn, N. Y.	.5
2AKN	Eddy, John L., jr.	11 3d Ave., New Brighton, N. Y.	.5
2LE	Egolt, Richard S.	1122 49th St., Brooklyn, N. Y.	.5
2AGY	Ellingham, Irving	302 Broadway, New York, N. Y.	.5
2IQ	Elliott, Paul C.	162 E. 66th St., New York, N. Y.	.5
2RG	Elrae Mfg. & Trading Co.	White Plains, N. Y.	1.0
2ST	Emanuel, John H., jr.	Englewood, N. J.	.5
2EP	Engelhart, Lawrence	New Dorp, N. Y.	.5
2ET	England, George B.	917 St. Nicholas Ave., New York, N. Y.	.5
2ASO	Engstrom, Joseph E.	100 St. Marks Pl., Brooklyn, N. Y.	.5
2OC	Erasmus Hall High School	Flatbush Ave., Brooklyn, N. Y.	.5
2ARZ	Erickson, Evald T.	Harrison, N. Y.	.5
2AOO	Erven, Raymond P.	Keansburg, N. J.	.5
2AIR	Estberg, Hugo L.	682 Bergen St., Brooklyn, N. Y.	.5
2FR	Ettlinger, Albert	202 W. 93d St., New York, N. Y.	.5
2UF	Evans, Arthur F.	246 Emerson Pl., Brooklyn, N. Y.	.5
2AHY	Everingham, Charles E.	206 9th St., Troy, N. Y.	.5
2BI	Everitt, William L.	724 South St., Peekskill, N. Y.	.5
2IC	Faraon, Adolph J.	536 Hudson St., Hoboken, N. J.	1.0
2FM	Faraon, Adolph J.	Belle Harbor, N. Y.	1.0
2IK	Faraon, Rene J.	808 West End Ave., New York, N. Y.	.5
2JB	Feeny, Walter	515 McLean Ave., Yonkers, N. Y.	1.0
2ADQ	Felix, Edgar	528 Riverside Drive, New York, N. Y.	.5
2ANY	Felt, George G.	Hawthorne, N. Y.	.5
2ARC	Ferguson, George M.	303 Stuyvesant Ave., Brooklyn, N. Y.	.5
2MZ	Ferguson, James B., jr.	331 E. 173d St., New York, N. Y.	.5
2AQT	Ferris, Clinton S.	409 Smith St., Peekskill, N. Y.	1.0
2CY	Ferris, Malcolm	Seaside Park, N. J.	.5
2ALE	Fingerliir, Harold J.	296 Washington Ave., Rockaway Beach, N. Y.	.5
2AIQ	Fink, Gustave	315 Lenox Rd., Brooklyn, N. Y.	.5
2ANF	Fish, Edward H.	27 Highland Ave., Middletown, N. Y.	.5
2AEM	Fishoff, Louis A.	210 E. 114th St., New York, N. Y.	.5
2RU	Fletcher, Jordon J.	Lynbrook, N. Y.	1.0
2WB	Fogetti, Howard J.	7421 Narrows Ave., New York, N. Y.	.5
2ANM	Foot, N. Brainard	1432 75th St., Brooklyn, N. Y.	.5
2TB	Ford, Everett J.	318 Randolph Ave., Jersey City, N. J.	.5
2FV	Foster, Dudley E.	423 4th Ave., Newark, N. J.	.5
2IR	Foulke, J. Brion, jr.	Babylon, N. Y.	.5
2WM	Fowler, Jack B.	676 Lincoln Pl., Brooklyn, N. Y.	.5



## AMATEUR RADIO STATIONS—Continued.

## SECOND DISTRICT—Continued.

## ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.	Kilo.
2KM	Francis, Charles E.	1662 70th St., Brooklyn, N. Y.		0.5
2AME	Frank, Richard.	408 Main St., Union, N. J.		5
2ALA	Francis, Sylvian.	294 W. 92d St., New York, N. Y.		5
2AQW	Frankenstein, Edwin S.	97 Bruce Ave., Yonkers, N. Y.		5
2AFZ	Freeman, Robert J.	Southampton, N. Y.		5
2FK	Freure, Richard W.	439a McDonough St., Brooklyn, N. Y.		5
2FH	Fricke, William B.	156 N. Arlington Ave., East Orange, N. J.		5
2ABE	Frost, Jacob	1531 2d Ave., New York, N. Y.		5
2BG	Gaede, George F.	Preakness, N. J.		5
2QG	Gale, Rowland A.	540 W. 188th St., New York, N. Y.		5
2UP	Gannon, J. Kimball.	517 Park St., Upper Montclair, N. J.		5
2GR	Gardell, Emil C.	Oakhurst, N. J.		5
2AQC	Gardner, William E.	15 Prospect St., Adams, N. Y.		5
2MC	Garity, William E.	324 Reid Ave., Brooklyn, N. Y.		5
2FX	Godney, Ray Van D.	Center Ave., Little Falls, N. J.	1.0	
2AMY	Gells, Henry	1 Walton Ave., New York, N. Y.		5
2ADD	Gelina, C. J.	Chatham, N. Y.		5
2ASA	Genodette, Honore E.	Kinderhook, N. Y.		5
2AIM	Glefer, Frank H., jr.	West Brighton, N. Y.		5
2AY	Gittelbauer, Frederick.	38 Vreeland St., East Rutherford, N. J.		5
2TV	Glenn, George	48 Chester St., Newark, N. J.		5
2AIT	Gluck, John	1709 Park Ave., New York, N. Y.		5
2JU	Goette, Clifford J.	1425 Church St., Richmond Hill, N. Y.	1.0	
2AJY	Goldstein, Jack.	956 Stebbins Ave., New York, N. Y.		5
2AFU	Goll, Robert E.	1710 Caton Ave., Brooklyn, N. Y.		5
2KY	Goodchild Electrical Co.	237 Greenwich St., New York, N. Y.	1.0	
2AAX	Goodell, John B.	106 Loraine Ave., Upper Montclair, N. J.		5
2UN	Graham, Malcolm.	4 Overlook Ave., Ridgewood, N. Y.		5
2ALB	Gratzner, Raymond.	802 W. 181st St., New York, N. J.		5
2EB	Gray, Frank F.	Madison Bldg., Montclair, N. J.	1.0	
2ARS	Grece, Joseph F.	134 Manhattan Ave., Jersey City, N. J.		5
2BK	Green, Adoniram J.	73 Paterson St., Paterson, N. J.		5
2QQ	Green, Irving W.	85 Clerk St., Jersey City, N. J.		5
2LP	Green, Raymond J.	1352 St. Nicholas Ave., New York, N. Y.		5
2KL	Gregory, Arthur V.	197 High St., Perth Amboy, N. J.		5
2AQR	Grover, Paul B.	Toms River, N. J.		5
2AGI	Grumbacher, Walter.	Peekskill, N. Y.		5
2AJP	Grummet, Melvin L.	9525 4th Ave., Brooklyn, N. Y.		5
2CI	Guarino, John J.	242 Mountain Way, Kingsland, N. J.		5
2BQ	Guild, Baldwin.	495 Mt. Prospect Ave., Newark, N. J.		5
2DO	Guld, Walter E.	Sayville, N. Y.		5
2AND	Gutmann, Bernard.	110 Garfield Pl., Brooklyn, N. Y.		5
2ANC	Guy, Raymond F.	342 Broadway, Tottenville, N. Y.	1.0	
2RR	Haight, Russell P.	18 Spruce St., Bloomfield, N. J.	1.0	
2EV	Hajos, Eugene.	626 Trinity Ave., New York, N. Y.	1.0	
2AQZ	Hall, Norman C.	47 Hill St., Newark, N. J.		5
2KR	Hallenbeck, Charles.	1150 54th St., Brooklyn, N. Y.		5
2UQ	Hallett, E. Douglas.	86 Prospect Pl., Rutherford, N. J.		5
2EN	Halligan, James W.	328 E. 19th St., New York, N. Y.		5
2ART	Hammond, George P.	1855 70th St., Brooklyn, N. Y.		5
2AFV	Halsey, Edward G., jr.	200 Smith St., Peekskill, N. Y.		5
2CW	Ham, Frank H.	Cornwall-on-Hudson, N. Y.		5
2DD	Hammond, Fremont M.	160 E. Main St., Patchogue, N. Y.		5
2PX	Hamilton, Albert G., jr.	Beach Ave., Larchmont, N. Y.		5
2OA	Hammond, Lester.	2 Pinehurst Ave., New York, N. Y.	1.0	
2AKM	Hanson, George V.	Rockaway Beach, N. Y.		5
2AE	Happe, William H.	506 W. 162d St., New York, N. Y.		5
2GH	Hardy, Myles.	373 W. 126th St., New York, N. Y.		5
2AIP	Harper, Augustus E.	512 Washington Ave., Brooklyn, N. Y.		5
2BC	Harriets, James B.	4 125th St., New York, N. Y.	1.0	
2AMN	Hart, Phillip.	225 Brighton Ave., Perth Amboy, N. J.		5
2FZ	Harris, Charles C.	Freeport, N. Y.		5
2ACE	Harrison, John B.	112 Broad St., Bloomfield, N. J.		5
2MA	Hasbrouck, Earl.	Walkill, N. Y.	1.0	
2SM	Hatry, William B.	71 Orange St., Brooklyn, N. Y.		5
2ACW	Hattermuller, Theodore.	34 S. Railroad Ave., Middletown, N. Y.		5
2ASC	Hauger, Oscar.	37 Zabriskie St., Haledon, N. J.		5
2APN	Hausrath, Alfred H., jr.	1866 Cedar Ave., New York, N. Y.		5
2JC	Hawkins, Ernest W.	224 Depew St., Peekskill, N. Y.		5
2KC	Hayes, Frank X. J.	162 E. 82d St., New York, N. Y.		5
2BM	Heermance, Earle.	523 State St., Hudson, N. Y.		5
2APG	Hegmegee, Joseph O. L.	235 River Drive, Garfield, N. J.		5
2AFJ	Heinsohn, Frederick E.	442 S. 4th Ave., Mt. Vernon, N. Y.		5
2ANI	Heinzmann, Milton.	991 Chancellor Ave., Irvington, N. J.		5
2AMO	Heiss, Walter.	51 Crawford St., Newark, N. J.		5

AMATEUR RADIO STATIONS—Continued.

SECOND DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			<i>Kw.</i>
2ABB	Held, William J.	110 Elliot Ave., Yonkers, N. Y.	
2PW	Hellman, Abraham F.	424 E. 138th St., New York, N. Y.	0.5
2FJ	Helwig, Herman F.	711 E. 18th St., Brooklyn, N. Y.	.5
2ACT	Hendricks, Miles S.	1 Lloyd, N. Y.	.5
2AKV	Herbert, Norman	58 Crawford St., Newark, N. J.	.5
2NR	Heuer, William H.	Islip, N. Y.	.5
2AIG	Hevener, Osborn F.	215 4th St., Newark, N. J.	.5
2AGJ	Hewitt, John K.	Quail and Bradford Sts., Albany, N. Y.	1.0
2WE	Heydon, Albert R.	403 Decatur St., Brooklyn, N. Y.	.5
2UO	Heyer, Benjamin W.	45 N. Fullerton Ave., Montclair, N. J.	.5
2DG	Higgs, Harry Y.	30 Irving Pl., Brooklyn, N. Y.	.5
2NU	Hill, William S.	332 Rector St., Perth Amboy, N. J.	.5
2IH	Hiller, Harry E.	5 Charles St., West Orange, N. J.	.5
2ANV	Hirschfield, Edward.	338 W. 18th St., New York, N. Y.	.5
2LJ	Hoagland, Raymond	Red Bank, N. J.	1.0
2ALX	Hobson, Christopher E.	1018 Columbus Ave., Westfield, N. J.	1.0
2EK	Hoernel, Paul	Babylon, N. Y.	.5
2ANJ	Hoff, Russell S.	298 Western Ave., Albany, N. Y.	.5
2AQQ	Hoffman, Frank	Keansburg, N. J.	.5
2NS	Hoffman, Paul J.	165 E. 88th St., New York, N. Y.	.5
2AFM	Holmes, George	158th St. and Harlem River, New York, N. Y.	.5
2AFO	Holmes, George	164 W. 146th St., New York, N. Y.	1.0
2ADW	Homan, Carroll L.	Sayville, N. Y.	.5
2NF	Homan, Eber J.	1915 62d St., Brooklyn, N. Y.	.5
2AKU	Honeywell, Robert	515 Prospect Ave., Asbury Park, N. J.	.5
2LY	Hoover, Raymond	496 Belmont Ave., Newark, N. J.	.5
2MF	Hoopock, Allen H.	215 Clark St., Westfield, N. J.	.5
2AOL	Horn, Charles W.	379 Broadway, Far Rockaway, N. Y.	.5
2OJ	Horning, Robert H.	29 Westfield Ave. E., Roselle Park, N. J.	1.0
2AFW	Horning, Julius L.	203 E. 64th St., New York, N. Y.	.5
2HU	Hortchikiss, Grosvenor	146 Halsey St., Brooklyn, N. Y.	.5
2ASB	Houseworth, Charles W.	2422 University Ave., New York, N. Y.	.5
2II	Howell, Walter J.	135 Edgecombe Ave., New York, N. Y.	.5
2DF	Hoyt, William L.	44 Hilton Ave., Garden City, N. Y.	.5
2ALO	Huff, Frederick W.	665 State St., Perth Amboy, N. J.	.5
2ABT	Hulse, L. Mortimer	9 James St., Middletown, N. Y.	.5
2ALP	Hulse, Tremaine	323d Ave., Bay Shore, N. Y.	.5
2ADC	Humphreys, Ferdinand F.	319 W. 82d St., New York, N. Y.	.5
2AK	Hunkins, Carl J.	South Side High School, Newark, N. J.	.5
2ADL	Hunkins, Carl J.	123 Hillside Ave., Newark, N. J.	.5
2AMS	Hunter, John W.	68th St. and 2d Ave., Brooklyn, N. Y.	.5
2ACD	Hunter, Thomas F.	1102 W. 2d Ave., Asbury Park, N. J.	.5
2EF	Hurd, Theodore	Tilton Ave., Red Bank, N. J.	.5
2HL	Huyler, Rollin M.	809 St. Nicholas Ave., New York, N. Y.	.5
2APV	Hymmen, Robert	100 Armstrong Ave., Jersey City, N. J.	.5
2BW	Hynes, Eugene	2429 Valentine Ave., New York, N. Y.	.5
2UJ	Innes, Richard C.	343 W. 29th St., New York, N. Y.	.5
2NQ	Isaacson, Charles B.	48 W. 89th St., New York, N. Y.	1.0
2LS	Jablousky, William	553 E. 134th St., New York, N. Y.	.5
2EX	Jackson, Benjamin B.	188 Montross Ave., Rutherford, N. J.	1.0
2AQB	Jacquet, Lloyd	478A 16th St., Brooklyn, N. Y.	.5
2ADU	Jakobson, Irving D.	370 Senator St., Brooklyn, N. Y.	.5
2AMG	Jaques, Channing K.	150 Elm St., New Rochelle, N. Y.	.5
2IK	Jensen, Martin	27 Grant Ave., Yonkers, N. Y.	.5
2ARW	Jockers, Edwin B.	142 Ridge St., Newark, N. J.	.5
2ASE	Johnson, Axel W.	459 E. 135th St., New York, N. Y.	.5
2AIY	Johnson, John A.	1026 2d Ave., New York, N. Y.	.5
2ANZ	Johnson, Richard H.	23 S. Clinton St., Poughkeepsie, N. Y.	.5
2VC	Johnson, Theophilus, jr.	173d St., Woodside, N. Y.	.5
2RV	Johnson, W. Eugene	Grant Ave., East Rockaway, N. Y.	.5
2AAL	Johnstone, George W.	235 Rector St., Perth Amboy, N. J.	.5
2OY	Jones, Frank	181 Brunswick St., Newark, N. J.	.5
2AO	Jones, Robert O.	88 Ella St., Bloomfield, N. J.	.5
2AAQ	Judson, Joseph E.	89 3d St., Keyport, N. J.	.5
2APH	Kalbach, Charles	2211 Andrews Ave., New York, N. Y.	.5
2AJL	Kalning, William C.	1455 Ave. A., New York, N. Y.	.5
2NC	Katz, Frederick	1464 Seabury Pl., New York, N. Y.	.5
2ABH	Kavanagh, John	1920 Anthony Ave., New York, N. Y.	.5
2VT	Kayser, Herbert	41 Convent Ave., New York, N. Y.	1.0
2WA	Keers, John K.	224 81st St., Brooklyn, N. Y.	.5
2ALR	Kells, David G.	253 73d St., Brooklyn, N. Y.	.5
2QX	Keller, George C.	2181 Richmond Turnpike, Port Richmond, N. Y.	.5
2ON	Kellow, James C.	144 Liberty Ave., Jamaica, N. Y.	1.0
2NJ	Kennedy, Harold J.	51 Bainbridge St., Brooklyn, N. Y.	.5
2AEQ	Kienzle, Henry A.	419 E. 79th St., New York, N. Y.	.5
2KX	Kilmer, Theron W.	165 W. 85th St., New York, N. Y.	.5

## AMATEUR RADIO STATIONS—Continued.

## SECOND DISTRICT—Continued.

## ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
2AGZ	King, Frank	328 W. 107th St., New York, N. Y.	Kw. 1.0
2QD	King, Wendell W.	778 1st Ave., Upper Troy, N. Y.	1.0
2FI	Kirkpatrick, Louis W.	317 6th Ave., Newark, N. J.	.5
2ANG	Kirschhoff, Willard J.	438 E. 148th St., New York, N. Y.	.5
2DV	Kissick, Robert G.	199 Lincoln Pl., Brooklyn, N. Y.	.5
2AEC	Kleinberger, Richard	239 Bement Ave., West New Brighton, N. Y.	.5
2AOH	Kleppe, Arthur	189 Inwood Ave., Montclair, N. J.	.5
2AHD	Klopak, Joseph	509 S. 10th St., Newark, N. J.	.5
2AND	Klune, Fred C., jr.	Harrison, N. Y.	.5
2DH	Knapp, Samuel	89A Cooper St., Brooklyn, N. Y.	.5
2AJB	Knies, Emil H.	274 W. 135th St., New York, N. Y.	.5
2APQ	Knight, Harold E. H.	251 Fenimore St., Brooklyn, N. Y.	.5
2AET	Knopf, Richard	3048 Decatur Ave., New York, N. Y.	.5
2VF	Koch, Edward	168 Willis Ave., New York, N. Y.	.5
2NP	Koenig, George F.	4279 Webster Ave., New York, N. Y.	.5
2SF	Kollock, Alan S.	1009 Walker Ave., Woodhaven, N. Y.	.5
2AAP	Kollock, Arnett W.	862 Madison St., Brooklyn, N. Y.	.5
2ANS	Koyen, Walter R.	Woodbridge, N. J.	.5
2BR	Krech, Karl G.	316 Godwin Ave., Midland Park, N. J.	.5
2APU	Krantz, Hubert K.	183 Argyle Rd., Brooklyn, N. Y.	.5
2SQ	Kreeft, Raymond A.	10 Elm St., West Orange, N. J.	.5
2AAR	Kroger, Ernest G.	Hartsdale, N. Y.	.5
2ADS	Laffenandre, Gaston W.	Sayville, N. Y.	.5
2PU	Lalley, Joseph F.	202 4th St., Union Hill, N. J.	.5
2AQK	Lambert, Fred F.	300 Sickles Ave., New Rochelle, N. Y.	.5
2HX	Lane, David M.	343 9th St., Jersey City, N. J.	.5
2TY	Lane, George	139 Academy St., Poughkeepsie, N. Y.	.5
2JS	Larkin, James S.	66 E. 56th St., New York, N. Y.	.5
2AOE	Larsen, Rudolph	220 Madison Ave., Perth Amboy, N. J.	.5
2AAM	Laug, Ernest	411 Spring St., West Hoboken, N. J.	.5
2APJ	Lauterborn, George E.	68 N. Lark St., Albany, N. Y.	.5
2MB	Lawrence, George J., jr.	Jackson Ave., Nyack, N. Y.	.5
2KG	Layng, Grant	841 St. Nicholas Ave., New York, N. Y.	.5
2AOJ	Leathe, William W.	Larchmont, N. Y.	.5
2CB	Leeb, Henry Lorent	166 Ralston Ave., South Orange, N. J.	1.0
2AIK	Leek, Nathaniel L.	Amagansett, N. Y.	.5
2MX	Le Gallez, Clayton B.	Slingerlands, N. Y.	.5
2AFR	Lehmann, Erich W. G.	36 Steuben St., East Orange, N. J.	.5
2AKR	Leighton, Leo	515 W. 172d St., New York, N. Y.	.5
2ARJ	Leiter, David	262 Delancey St., New York, N. Y.	.5
2WG	Lemkle, Harry A.	30 Delaware St., Elizabeth, N. J.	.5
2IE	Leimon, Walter S.	319 W. 94th St., New York, N. Y.	.5
2ANB	Leo, Nelson	600 W. 183d St., New York, N. Y.	.5
2AAV	Le Tarte, Augustin J.	346 McClellan St., Schenectady, N. Y.	1.0
2AGK	Lewis, Edward H.	20-21 Morningside Ave., New York, N. Y.	.5
2AEW	Leyh, William	1867 Hlmrod St., Brooklyn, N. Y.	.5
2AGC	Lindgren, Richard N.	788 E. 175th St., New York, N. Y.	1.0
2ANA	Lingheimer, Carl M.	102 Watson Ave., Newark, N. J.	.5
2AHU	Littlefield, Charles E.	2672 Mansfield Pl., Sheepshead Bay, N. Y.	.5
2AKP	Lockard, J. F.	1 St. Nicholas Ter., New York, N. Y.	.5
2JF	Lockwood, Nelson W.	237 Prospect St., East Orange, N. J.	.5
2ABR	Lorini, Osmun W.	96 Highland Ave., Yonkers, N. Y.	.5
2VI	Loub, Arthur F.	445 E. 88th St., New York, N. Y.	.5
2BB	Lounsbury, Isaac R.	13 Edward St., Ossining, N. Y.	.5
2AQL	Love, John H.	Barron Ave. High School Building, Woodbridge, N. J.	.5
2ED	Lowe, Graham von S.	262 W. 77th St., New York, N. Y.	.5
2BZ	Lyman, C. Glenn	Babylon, N. Y.	.5
2HO	Lyons, William B.	Broad St., Bloomfield, N. J.	1.0
2ASG	MacBride, William D.	65 Maolis Ave., Bloomfield, N. J.	.5
2ARU	Macblett, Raymond R.	131 W. 188th St., New York, N. Y.	.5
2ABS	Mack, Burtis D.	Pleasantville, N. Y.	1.0
2WY	MacLeod, Myron R.	530 5th St., Brooklyn, N. Y.	.5
2AOB	Macksond, Michel E.	162 Congress St., Brooklyn, N. Y.	.5
2ABM	Magennis, Arthur K.	Edgewater, N. J.	.5
2AAO	Maguire, Howard S.	814 Lancaster St., Albany, N. Y.	.5
2DK	Maguire, Nelson	317 E. 144th St., New York, N. Y.	.5
2DC	Maier, Frank	207 E. 158th St., New York, N. Y.	.5
2ACS	Maier, John C.	211 E. Union Ave., Bound Brook, N. J.	.5
2KE	Maloney, Joseph T.	164 E. 82d St., New York, N. Y.	.5
2GQ	Manning, Charles T.	81 N. Maple Ave., East Orange, N. J.	.5
2AOM	Manning, Conant	191 Alexander Ave., Montclair, N. J.	.5
2AGB	Marchant, Ralph	2711 Creston Ave., New York, N. Y.	1.0
2OX	Mardon, F. Herbert	1309 West Farms Rd., New York, N. Y.	.5
2AHN	Marshall, Leonard H.	240 Westchester Ave., Rye, N. Y.	.5
2AOA	Mase, F. Kenneth	358 Moraleman St., Belleville, N. J.	.5

AMATEUR RADIO STATIONS—Continued.

SECOND DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. <i>Kw.</i>
2ALN	Mason, Percy H.	106 Lewis St., Paterson, N. J.	0.5
2GX	Mason, Samuel F.	Keyport, N. J.	.5
2AFD	Massimo, Albert	Bayside, N. Y.	.5
2AKK	Maurer, Edward W.	65 Osborn St., Keyport, N. J.	.5
2AHL	May, Anthony	1684 Ave. A, New York, N. Y.	1.0
2SD	May, Fred	143 High St., Montclair, N. J.	.5
2AGG	Mayer, Arthur C.	319 W. 139th St., New York, N. Y.	.5
2AGG	Mayer, Warren J.	157 Elm St., Elizabeth, N. J.	.5
2HP	Mayhew, B. Alan, jr.	Tenafly, N. J.	1.0
2VX	McCarthy, George W.	1012 Sutter Ave., Brooklyn, N. Y.	.5
2IL	McClintock, George C.	319 Dudley Ave., Westfield, N. J.	.5
2CP	McClintock, Ralph W.	125 High St., Nutley, N. J.	.5
2HA	McCoy, Daniel	45 Lee Ave., Yonkers, N. Y.	1.0
2ARK	McCoy, Lester M.	R. F. D. No. 2, Peekskill, N. Y.	.5
2BY	McHugh, John A.	23 Woodland Pl., White Plains, N. Y.	.5
2BO	McIntire, Meylert A.	1127 Avenue G., Brooklyn, N. Y.	.5
2HM	McKee, Clarence A.	821 E. 216th St., New York, N. Y.	.5
2AJO	McKenna, John R.	134 Shonnard Ter., Yonkers, N. Y.	.5
2EY	McKinney, Fred J.	300 Glenwood Ave., Bloomfield, N. J.	.5
2ANE	McLean, True	38 Central Ave., Tompkinsville, N. Y.	1.0
2PI	McLoughlin, Robert J.	105 Francisco Ave., Rutherford, N. J.	.5
2AEO	McMonagle, Daniel J.	571 59th St., Brooklyn, N. Y.	.5
2ALF	Manchee, Alleyne W.	745 Highland Ave., Newark, N. J.	.5
2AKL	Maran, Joseph F.	Maridoro, N. J.	.5
2LI	Meacham, Fredk. C., jr.	236 Decatur St., Brooklyn, N. Y.	.5
2NV	Meder, George C.	930 1st Ave., New York, N. Y.	1.0
2OF	Meier, Robert A.	Lynbrook, N. Y.	1.0
2AAW	Meinecke, Ernest	27 Zabriskie St., Jersey City, N. J.	.5
2AE	Mekeel, Arthur H.	Lloyd, N. Y.	.5
2AW	Melville, Richard T.	501 Sixth St., Brooklyn, N. Y.	.5
2ALC	Merrithew, John E., jr.	Northport, N. Y.	.5
2SL	Merrill, J. Stewart	Lynbrook, N. Y.	1.0
2NHG	Merritt, Frank	28 Spring St., Red Bank, N. J.	.5
2OG	Mersfelder, J. Henry, jr.	792 S. 13th St., Newark, N. J.	.5
2ANU	Meuke, Charles H.	135 Corlies Ave., Ashbury Park, N. J.	.5
2IF	Midgley, Herbert	59 Brewster St., Tompkinsville, N. Y.	.5
2AY	Miller, Eugene B.	4 New Vanderbilt Ave., Jamaica, N. Y.	1.0
2AY	Miller, Fred W.	12 Hicks Ave., Winfield, N. Y.	.5
2AIV	Miller, George	Huntington Station, N. Y.	.5
2ID	Miller, John W., jr.	119 Smith St., Peekskill, N. Y.	.5
2ARQ	Miller, Raymond H.	327 Hillside Ave., Newark, N. J.	1.0
2ADI	Mitchell, Clifford E.	79 Walnut St., Walden, N. Y.	.5
2NI	Moles, Charles E.	229 Valentine Lane, Yonkers, N. Y.	.5
2MT	Morris, Earle S.	1192 Dean St., Brooklyn, N. Y.	.5
2LN	Morrison, Clifford P.	2513 Catalpa Ave., Brooklyn, N. Y.	1.0
2MT	Moses, Abram W.	270 E. 161st St., New York, N. Y.	.5
2GM	Moss, Sidney W.	56 Taylor Pl., So. Orange, N. J.	.5
2PO	Mott, Harold	67 Mott Ave., Far Rockaway, N. Y.	.5
2KS	Mowton, Edward M.	70 Hillcrest Ave., Yonkers, N. Y.	1.0
2HY	Muckenhaupt, Carl F.	317 Church St., Poughkeepsie, N. Y.	.5
2AML	Mueller, Carl F., jr.	440 Monroe Ave., Elizabeth, N. J.	1.0
2AIL	Mulcahy, Frank H.	414 E. 169th St., New York, N. Y.	.5
2AG	Mulford, Harold C.	6 Weekes Ave., Oyster Bay, N. Y.	.5
2AFY	Muller, Herbert W.	203 E. 71st St., New York, N. Y.	.5
2AOI	Muller, Henry G.	541 W. 123d St., New York, N. Y.	.5
2HJ	Muller, Julius A., jr.	304 Union Ave., Mt. Vernon, N. Y.	.5
2GO	Mulligan, Harry G.	356 Madison Ave., Albany, N. Y.	.5
2ALQ	Mulvaney, Thomas	1903 Barnes Ave., Westchester, N. Y.	.5
2GI	Murphy, Dennis	9 Ingram St., Yonkers, N. Y.	.5
2SK	Murray, Charles	Great North, N. J.	.5
2AFQ	Murray, Stephen A.	401 Manhattan Ave., New York, N. Y.	.5
2FT	Murray, William E.	521 N. James St., Peekskill, N. Y.	.5
2ABA	Myers, Austin S.	129 Wallace Ave., Mt. Vernon, N. Y.	1.0
2ANO	Nelson, Irving J.	40 E. 115th St., New York, N. Y.	.5
2GU	New York Catholic Protectory. New York Engineering College. See Harrietts, James B.	Walker Ave., Westchester, N. Y.	.5
2NW	New York School of Telegraphy	2-14 W. 125th St., New York, N. Y.	.5
2AKD	Nichols, Robert W.	708 1st Ave., Asbury Park, N. J.	.5
2NH	Nightingale, John J.	103 17th Ave., Paterson, N. J.	.5
2AHP	Noble, J. Kendrick	441 N. Broadway, Yonkers, N. Y.	1.0
2WF	Nolan, Frank J.	100 Linden Ave., Bloomfield, N. J.	.5

## AMATEUR RADIO STATIONS—Continued.

## SECOND DISTRICT—Continued.

## ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. <i>Kw.</i>
2KF	Nolan, George T.	449 E. 183d St., New York, N. Y.	0.5
2AGO	Norris, Robert P.	906 St. Marks Ave., New York, N. Y.	.5
2APB	Obert, J. Edwin.	1005 Emory St., Asbury Park, N. J.	.5
2OL	O'Brien, Laurence J.	285 E. 157th St., New York, N. Y.	.5
2CK	O'Brien, Thomas.	7 Nassau Ave., Freeport, N. Y.	1.0
2KU	Oehmen, Oscar.	759 Franklin Ave., Brooklyn, N. Y.	.5
2ALS	Oetjen, John J.	543 17th St., West New York, N. J.	.5
2UV	Oliver, George E.	511 Ave. A, Bayonne, N. J.	.5
2ABW	Olsen, Arthur C.	1046 Summit Ave., New York, N. Y.	.5
2ACP	Olson, Alfred E.	4035 Park Ave., New York, N. Y.	.5
2AKG	Olson, George I.	1348 Howard St., Peekskill, N. Y.	.5
2BU	Olson, Oscar A.	948 Stebbins Ave., New York, N. Y.	.5
2OM	O'Mar a, Edward F.	114 W. 61st St., New York, N. Y.	.5
2QU	Osborne, J. Spencer.	164 Union Ave., Belleville, N. J.	.5
2AIN	Ostreich, Thaddeus.	116 Waverly Pl., New York, N. Y.	.5
2AFT	Oudin, C. Folger.	7 Union St., Schenectady, N. Y.	.5
2RE	Pacant, L. Gerard.	397 Van Pelt St., Long Island City, N. Y.	1.0
2AEX	Paige, John S.	999 Esplanade, Pelham Manor, N. Y.	.5
2NK	Palm, J. Adam.	18 14th Ave., Mt. Vernon, N. Y.	.5
2AQH	Palmer, Thomas.	18 Fulton St., Newark, N. J.	.5
2GK	Pate, W. Schuyler.	8 Douglas Rd., Glen Ridge, N. J.	1.0
2IO	Patton, Norman F.	257 W. 92d St., New York, N. Y.	.5
2ARI	Pawley, Myron G.	513 2d Ave., Asbury Park, N. J.	.5
2AZ	Pearl, Eugene S.	307 Gregory Ave., Passaic, N. J.	.5
2WH	Pearsall, Arthur R.	197 Warburton Ave., Yonkers, N. Y.	.5
2ALU	Peller, Harold I.	321 E. 90th St., New York, N. Y.	.5
2PH	Pendleton, Archibald.	49 Pendleton Pl., New Brighton, N. Y.	1.0
2MD	Pendleton, Harold A.	799 Quincy St., Brooklyn, N. Y.	.5
2AAZ	Pennell, Vere F.	15 Baldwin St., Newark, N. J.	.5
2ADZ	Perkins, William J.	425 75th St., Brooklyn, N. Y.	.5
2ARL	Perry, Irving D.	68 N. Parkway, East Orange, N. J.	.5
2AEJ	Pettit, Mortlock S.	88 Fanshawe Ave., Yonkers, N. Y.	.5
2FA	Pfeifer, Clarence H.	306 Prospect St., Ridgewood, N. J.	1.0
2NZ	Pfeil, A. Leslie.	242 Cottage St., Irvington, N. Y.	.5
2AIC	Pfaltz, Orlando R.	512 W. 122d St., New York, N. Y.	.5
2UX	Phelan, Charles W.	61 Power Ave., Rockville Center, N. Y.	.5
2RX	Picken, James C., jr.	125 Sherman Ave., New York, N. Y.	.5
2AIO	Pieri, Donald.	Westchester and Bergen Aves., New York, N. Y.	1.0
2ARB	Plauth, William.	179 Euclid Ave., Brooklyn, N. Y.	.5
2KW	Plummer, James A.	340 Orient Way, Rutherford, N. J.	.5
2ACL	Pohlman, Lauren V.	424 Brandywine Ave., Schenectady, N. Y.	1.0
2ACC	Poling, Clifford.	Keyport, N. J.	.5
2AIZ	Poling, Russell H.	Keyport, N. J.	1.0
2WC	Pollock, J. Millard.	34 Clifton Pl., Brooklyn, N. Y.	.5
2WT	Poole, William C.	53 Maple St., Yonkers, N. Y.	.5
2PF	Pope, Frederick B.	24 Carroll St., Yonkers, N. Y.	.5
2AEY	Poppele, Jacob, jr.	38 Jacob St., Newark, N. J.	.5
2RJ	Porter, Charles A.	1700 Ditmas Ave., Brooklyn, N. Y.	.5
2DQ	Porter, Roland W.	1091-1093 Washington Ave., New York, N. Y.	.5
2OP	Prendergast, Robert M.	174 4th St., Union Course, N. Y.	.5
2APP	Prinz, Peter J.	28 Hanson Pl., Jamaica, N. Y.	.5
2ABV	Pulsifer, Frederic K., jr.	353 Ridgewood Ave., Glen Ridge, N. J.	1.0
2APM	Purvis, Harry.	500 W. 173d St., New York, N. Y.	.5
2JP	Pruden, Harold M.	142 N. 15th St., East Orange, N. J.	.5
2EI	Quick, Henry C.	471 75th St., Brooklyn, N. Y.	.5
2AGY	Radio Stations of the World. See Ellingham, Irving.		
2ARI	Randell, Edward J.	Fort Totten, N. Y.	.5
2RK	Randolph, Randolph A.	538 W. 163th St., New York, N. Y.	.5
2AED	Rappolt, Frank A.	1879 Morris Ave., New York, N. Y.	.5
2AFG	Rattner, Manuel.	36 Union St., Poughkeepsie, N. Y.	.5
2ARO	Rau, James F.	Island Heights, N. J.	.5
2ANH	Raufers, Frank J.	50 Shepherd Ave., Brooklyn, N. Y.	.5
2OE	Raynor, Sinclair L.	Freeport, N. Y.	1.0
2AJD	Redfern, William W., jr.	2249 82d St., Brooklyn, N. Y.	.5
2AHJ	Reed, Cecil J.	26 College Pl., Newark, N. J.	.5
2ABZ	Regan, Claude.	Keyport, N. J.	.5
2JV	Reich, Herbert J.	79 10th St., New Dorp, N. Y.	.5
2ACF	Reichman, John T.	Belford, N. J.	.5
2AJT	Reilly, Hugh.	9908 Fort Hamilton Ave., Brooklyn, N. Y.	.5
2RH	Reiss, Lester.	580 W. 161st St., New York, N. Y.	.5
2AJM	Requa, Reginald C.	Huntington, N. Y.	.5
2RB	Reuman, William H.	480 9th Ave., New York, N. Y.	.5
2AHQ	Reyle, Stanley.	423 Van Reipen Ave., Jersey City, N. J.	.5
2AEI	Reynolds, Albert S.	222 S. Clinton St., East Orange, N. J.	.5

AMATEUR RADIO STATIONS—Continued.

SECOND DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.  <i>Kw.</i>
2AAT	Reynolds, Palmer W.	3 N. Terrace Ave., Mt. Vernon, N. Y.	0.5
2ACG	Reynolds, Thomas A.	16 Camp Woods Rd., Ossining, N. Y.	.5
2AJZ	Rice, Robert.	715 St. Nicholas Ave., New York, N. Y.	.5
2ACU	Richardson, John R.	16 Culver St., Yonkers, N. Y.	.5
2AHZ	Richfield, Nicholas.	554 W. 184th St., New York, N. Y.	1.0
2AOG	Richter, Robert.	148 Blvd., Rockaway Beach, N. Y.	.5
2AGP	Ripperger, Clinton	147 Wisner Ave., Middletown, N. Y.	.5
2CV	Ritter, Alexander.	110 Catalpa Ave., Perth Amboy, N. J.	.5
2CU	Robbins, Walter G.	Babylon, N. Y.	.5
2CD	Robbins, William E., jr.	614 5th Ave., Upper Troy, N. Y.	.5
2LC	Roberts, A. Perry.	Panama, N. J.	1.0
2AKB	Roberts, Hugh V.	1939 Hollis Ave., Hollis, N. Y.	.5
2VE	Roberts, Gus.	125 Hunter Ave., Long Island City, N. Y.	.5
2KT	Robertson, Merle E.	98 Piermont Ave., Nyack, N. Y.	.5
2QR	Robertson, William L.	57 Montross St., Rutherford, N. J.	.5
2AKH	Robinson, Christopher S.	113 Johnson St., Highland Park, N. J.	.5
2AH	Roche, Walter J.	2 Irving Pl., Jamaica, N. Y.	1.0
2HE	Rock, Leroy W.	201 Beach St., Red Bank, N. J.	.5
2AMZ	Roehrich, Henry.	2 Belmont Ave., Garfield, N. J.	.5
2ACO	Rogers, John.	13 W. 100th St., New York, N. Y.	.5
2AOQ	Roquer, Leon E.	78 Fox Ter., Dunwoodie, N. Y.	.5
2ADG	Rosa, Harry D.	52 Gate St., Poughkeepsie, N. Y.	.5
2AGQ	Rosenberg, Uda B.	211 Honeywell Ave., New York, N. Y.	.5
2AHH	Rossner, James E.	31 Grove Ave., Albany, N. Y.	.5
2FN	Roth, August F.	2316 Gleason Ave., New York, N. Y.	1.0
2AJE	Rowley, Herbert G.	107 Clifton Ave., Newark, N. J.	.5
2TH	Roy, James A. S.	59 Park Ter., West Orange, N. J.	.5
2AMJ	Ruddy, George F.	186 High St., Perth Amboy, N. J.	.5
2JI	Ruhlmann, Ernest R.	97 W. 34th St., Bayonne, N. J.	.5
2AHT	Rupert, Stephen E. G.	107 2d St., Pelham, N. Y.	1.0
2ANP	Valentine, Russell D.	165 Amboy Ave., Woodbridge, N. J.	.5
2AAM	Russo, Ernest O.	Atlantic City, N. J.	.5
2DE	Ruttmann, Ferdinand	605 W. 141st St., New York, N. Y.	.5
2WL	Ryan, Lester F.	18 Kosciusko St., Brooklyn, N. Y.	.5
2DM	Sachs, Harold.	11 E. 68th St., New York, N. Y.	.5
2ACJ	Saenz de Calahorra, Amadeo.	146 W. 63th St., New York, N. Y.	.5
2SB	Sangree, Ernest M.	1807 Ditmas Ave., Brooklyn, N. Y.	.5
2AEN	Saxton, Herbert.	215 Bidwell Ave., Jersey City, N. J.	.5
2LH	Sayres, Ralph A.	4145 Central Ave., Richmond Hill, N. Y.	1.0
2KS	Schabbehar, Edwin A.	412 Village Ave., Hempstead, N. Y.	.5
2AFI	Schaefer, Charles.	227 Webster Ave., New York, N. Y.	.5
2CS	Schaefer, Charles L.	241 Broadway, Fort Richmond, N. Y.	1.0
2ANW	Schaefer, Maximillian.	73 W. 115th St., New York, N. Y.	.5
2KQ	Schaefer, Regnell C.	185 N. 16th St., East Orange, N. J.	.5
2AFH	Schaeffer, Adolph.	1487 Nostrand Ave., Brooklyn, N. Y.	.5
2AAN	Schanck, Henry S.	92 Main St., Keyport, N. J.	.5
2APK	Schedler, Herbert D.	1024 Summit Ave., Jersey City, N. J.	.5
2BF	Schell, Richard, jr.	35 Grasmere Ave., Grasmere, N. Y.	.5
2AGL	Schenone, John.	15 1st St., Keyport, N. J.	.5
2AGT	Schleckser, Raymond R.	12 Fabyan Pl., Newark, N. J.	.5
2AOZ	Schlitz, Karl W.	28 Jefferson St., Brooklyn, N. Y.	.5
2AJW	Schmelzer, Gerhard.	7301 3d Ave., Brooklyn, N. Y.	.5
2ATE	Scholz, Frank A.	251 New York Ave., Newark, N. J.	.5
2PD	Schomp, Roy.	76 Undercliff Ave., Edgewater, N. J.	.5
2AU	Schram, John, jr.	283 E. 32d St., Brooklyn, N. Y.	.5
2ASJ	Schroeder, Henry.	23 N. 12th St., Haledon, N. J.	.5
2HI	Schuck, Charles H.	1966 University Ave., New York, N. Y.	.5
2AKX	Schwarz, Sylvan S.	30 Osborne Ter., Newark, N. J.	.5
2PQ	Schwartz, Max B.	1709 St. Johns Pl., Brooklyn, N. Y.	.5
2ND	Schweizer, Charles L.	710 3d Ave., Brooklyn, N. Y.	.5
2IN	Scofield, Robert W.	87 Macon St., Brooklyn, N. Y.	.5
2AQQ	Scott, Walter F.	207 N. 11th St., Newark, N. J.	.5
2AIU	Scull, Walter.	240 Fairmount Ave., Jersey City, N. J.	.5
2AJR	Seckel, William.	220 Wadsworth Ave., New York, N. Y.	.5
2AN	Sedlak, Conrad J.	633 Main St., New Durham, N. J.	.5
2ACM	Segall, Louis M.	1832 65th St., Brooklyn, N. Y.	.5
2AMC	Seiler, Frank B.	54 Elm St., Summit, N. J.	.5
2ANK	Seitz, Wesley.	7 Seitz Court, Patchogue, N. Y.	.5
2ANX	Shaw, Albert E., jr.	1090 72d St., Brooklyn, N. Y.	.5
2PZ	Shaw, Horace S.	391 St. Johns Pl., Brooklyn, N. Y.	.5
2ALM	Sheldon, Henry B.	25 Main St., Keyport, N. J.	.5
2AQY	Showalter, John W.	333 Birch St., Richmond Hill, N. Y.	.5
2CG	Shield, Frederic K.	23 Second Ave., Highland Park, N. J.	.5
2AOR	Shirvell, Ernest J. A.	32 Lawrence St., New York, N. Y.	.5
2OU	Siebert, Walter.	1538 E. 15th St., Brooklyn, N. Y.	.5
2GV	Siegmann, Harry E.	36 Davis St., Rockville Center, N. Y.	1.0
2AGV	Sievering, Harry W.	54 Navin Pl., Newark, N. J.	.5

## AMATEUR RADIO STATIONS—Continued.

## SECOND DISTRICT—Continued.

## ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. <i>Kw.</i>
2AAD	Silleck, William C.	388 E. 144th St., New York, N. Y.	0.5
2APD	Skinner, William.	Ridgewood Ave. and Spruce St., Richmond Hill, N. Y.	.5
2BI	Slater, Harry.	156 19th St., Brooklyn, N. Y.	.5
2AQI	Smejkal, Harry.	1349 1st Ave., New York, N. Y.	.5
2AQU	Smith, E. Carter.	572 W. 187th St., New York, N. Y.	.5
2JB	Smith, Clarence B., jr.	1017 South Ave., Westfield, N. J.	1.0
2AFX	Smith, Edward J.	327 E. 27th St., New York, N. Y.	.5
2KPI	Smith, Edgar T.	185 Brooklyn Ave., Brooklyn, N. Y.	.5
2LK	Smith, J. Owne.	Valley Stream, N. Y.	.5
2IV	Smith, Nelson M.	143 Norton Ave., Port Chester, N. Y.	.5
2JO	Smith, Nelson V.	Lawrence, N. Y.	1.0
2AEU	Smith, Ralph C.	129 N. 14th St., East Orange, N. J.	.5
2ABQ	Smith, Robert W.	152 Croton Ave., Ossining, N. Y.	.5
2AMF	Smith, William W.	207 Wegman Parkway, Jersey City, N. J.	.5
2KH	Solberg, Walter.	620 46th St., Brooklyn, N. Y.	.5
2AQV	Sommer, Isidor.	56 Columbia St., New York, N. Y.	.5
2GC	Sonn, Albert E.	150 2d Ave., Newark, N. J.	1.0
2RP	Sorgeus, Walter M.	29 Odell St., Schenectady, N. Y.	1.0
2ARE	Southard, Sealey M. South Side High School Radio Club. See Hunkins, Carl J.	32 Raynor St., Freeport, N. Y.	.5
2ALJ	Spader, William V.	103 1st Ave., Highland Park, N. J.	.5
2KZ	Spalding, Kenneth W.	501 Argyle Rd., Brooklyn, N. Y.	.5
2IM	Spangenberg, Lester.	25 S. 4th St., Lakeview, N. J.	1.0
2WP	Spannaus, Charles O.	660 W. 180th St., New York, N. Y.	.5
2RF	Sprinker, C. Meredith.	8 Ithaca St., Elmhurst, N. Y.	.5
2UY	Squire, Milford.	122 Guion Ave., Richmond Hill, N. Y.	.5
2AOU	Stadler, Reuben L.	304 McNeal St., Millville, N. J.	.5
2APC	Stanard, John.	1974 University Ave., New York, N. Y.	.5
2FS	Stanley, Howard L.	Babylon, N. Y.	.5
2AL	Stanley, Walter N.	654 Putnam Ave., Brooklyn, N. Y.	.5
2AKC	Stanley, Joseph J.	5 Hampton Court Ter., Jersey City, N. J.	.5
2AGS	Stanton, Walter A.	782-A Hancock St., Brooklyn, N. Y.	.5
2AEE	Starrett, John.	440 McDonough St., Brooklyn, N. Y.	.5
2VW	Steinkamp, Harold.	89 Hyatt Ave., Yonkers, N. Y.	.5
2AJN	Stenger, Harry C.	484 Onderdonk Ave., Brooklyn, N. Y.	.5
2AB	Sterns, Morton W.	705 W. 179th St., New York, N. Y.	1.0
2AFL	Stevens, Fred.	15 Wood Pl., Yonkers, N. Y.	.5
2HS	Stewart, Douglass.	90 N. Broadway, Yonkers, N. Y.	.5
2UZ	Stewart, G. Edwin.	45 Hillside Ave., Rockville Center, N. Y.	.5
2AKA	Stewart, Guy A., jr.	404 S. 1st Ave., Mt. Vernon, N. Y.	.5
2ADA	Stimpson, Warren E.	1933 Daly Ave., New York, N. Y.	1.0
2AAC	Storrs, William K.	513 E. 144th St., New York, N. Y.	.5
2AJQ	Stratton, L. Brainerd.	44 Seneca St., Oneida, N. Y.	.5
2AEV	Strauss, Maurice B.	568 5th St., Brooklyn, N. Y.	.5
2HR	Summerville, Christopher.	4 Jones Pl., Yonkers, N. Y.	1.0
2AKI	Sypher, Edgar L., jr.	138 New York Ave., Jamaica, N. Y.	.5
2KO	Tamburino, Anthony.	1632 Parker St., New York, N. Y.	.5
2AEL	Tannenbaum, Samuel.	86 Warburton Ave., Yonkers, N. Y.	1.0
2GS	Taylor, George W.	171 Alden St., Orange, N. J.	.5
2AGH	Taylor, K. Allan.	576 Madison Ave., Elizabeth, N. J.	.5
2IS	Teets, Albert S.	Hillside Ave., Peekskill, N. Y.	.5
2AMU	Tennon, Evans H.	705 1st Ave., Asbury Park, N. J.	.5
2ACZ	Terhune, Frank.	167 High St., Passaic, N. J.	.5
2AHO	Thornhill, Sewell E.	Sayville, N. Y.	.5
2APA	Thornton, Joseph.	922 Central Ave., Westfield, N. J.	.5
2EC	Thiede, Ferdinand C.	486 Decatur St., Brooklyn, N. Y.	.5
2PJ	Thomas, Alonzo E., jr.	176-A Union St., Jersey City, N. J.	.5
2AIW	Thompson, Harold.	21 Rose St., Paterson, N. J.	.5
2AOP	Thomson, John M., jr.	22 Bloomfield Ave., Passaic, N. J.	.5
2AST	Tirrell, Walter H., jr.	20 Rutland Rd., Brooklyn, N. Y.	.5
2OR	Tong, Myron A.	148 Housman Ave., West Brighton, N. Y.	.5
2AEP	Tourof, Sigmund.	1820 Topping Ave., New York, N. Y.	1.0
2AOD	Townley, Harold C.	505 Kimball Ave., Westfield, N. J.	1.0
2CF	Traflet, Frederick E.	20 Cottare Place, Yonkers, N. Y.	.5
2ALH	Trautwein, Charles F.	853 S. 12th St., Newark, N. J.	.5
2PT	Traver, William F.	67 Molt Ave., Far Rockaway, N. Y.	.5
2AAJ	Tripp, David R.	28 C Close St., Schenectady, N. Y.	1.0
2AC	Tripp, George B., jr.	30 Edgecliff Ter., Yonkers, N. Y.	.5
2AOT	Trowbridge, Otis H.	1396 Park Lane, Pelham Manor, N. Y.	1.0
2ABN	Trube, Carl E.	6 Livingston Ave., Yonkers, N. Y.	.5
2AAU	Trube, Robert L.	Hastings-on-Hudson, N. Y.; 6 Livingston Ave., Yonkers, N. Y.	.5
2DZ	Tuna, Lawrence.	182 Madison Ave., New York, N. Y.	.5
2APO	Tyler, Burnett.	79 Winthrop St., Brooklyn, N. Y.	.5

AMATEUR RADIO STATIONS—Continued.

SECOND DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
2FG	Tymeson, Sidney	21 Henry St., Schenectady, N. Y.	Kw. 0.5
2RM	Underhill, Chester R.	47 Church St., Montclair, N. J.	.5
2AR	Underhill, George H.	78 S. Hamilton St., Poughkeepsie, N. Y.	.2
2HD	Underwood, Kenneth C.	259 Mt. Prospect Ave., Newark, N. J.	.5
2OT	Urban, Ferdinand A.	1189 44th St., Brooklyn, N. Y.	.5
2APL	Urban, Charles B.	113 Washington St., Westfield, N. J.	.5
2AM	Van Cleaf, Howard	326 E. Main St., Patchogue, N. Y.	.5
2UU	Vanderbilt, Clinton B.	5 Jerome Pl., Upper Montclair, N. J.	.5
2APW	Vanderbilt, Harold W.	205 Park Pl., Brooklyn, N. Y.	.5
2ALD	Van Doren, Harold I.	120 Union Ave., Westfield, N. J.	1.0
2CP	Van Duzer, Charles J.	172 Fisk Ave., Westerleigh, N. Y.	.5
2AMB	Van Dyke, Theodore F., jr.	246 Morris Ave., Summit, N. J.	.5
2ALT	Van Loan, Harold II.	Athens, N. Y.	.5
2ABK	Van Meerbeke, C. J., jr.	Hazlet, N. J.	.5
2KV	Varetoni, Wm.	115 Randolph Ave., Clifton, N. J.	.5
2RZ	Vaneman, Peter	36 Watson St., Paterson, N. J.	.5
2ACA	Vierling, Harry F.	98 Abbott Ave., Ocean Grove, N. J.	.5
2ADX	Vogel, Erwin W.	61 S. Blvd., New York, N. Y.	.5
2FB	Volke, Edgar	883 S. 19th St., Newark, N. J.	.5
2ACR	Von Thun, Henry B.	461 Jefferson Ave., Brooklyn, N. Y.	.5
2AMT	Voepel, Daniel, jr.	1162 Forest Ave., New York, N. Y.	.5
2AMP	von Ardyn, John	125 Riverside Drive, New York, N. Y.	.5
2AMQ	von Frankendorff, Leander	403 S. 7th St., Newark, N. J.	.5
2ADO	Vrooman, Max M.	1204 State St., Schenectady, N. Y.	.5
2OQ	Wade, J. Melmoth	83 Hamilton Ave., Yonkers, N. Y.	.5
2AAF	Waelde, William E.	424 Church St., Poughkeepsie, N. Y.	.5
2AJU	Wagerer, Lewis G.	122 Boulevard, Rockaway Beach, N. Y.	.5
2AQ	Wak, Henry	82 17th Ave., Newark, N. J.	.5
2ANR	Walcutt, Frank	841 W. 179th St., New York, N. Y.	.5
2ABU	Walton, Fred E.	61 Raymond Ave., Rutherford, N. J.	.5
2QP	Ward, John R.	160 Garfield Pl., Brooklyn, N. Y.	.5
2DN	Warner, Herbert M.	Little Falls, N. J.	.5
2AKT	Warner, Stanley F.	221 S. Clinton St., East Orange, N. J.	.5
2AKW	Warren, W. Harold	605 Munroe Ave., Asbury Park, N. J.	.5
2AGW	Watson, Edmund A.	78 Van Ness Ave., Rutherford, N. J.	1.0
2AHM	Watters, John J.	Port Richmond, N. Y.	1.0
2AMD	Weatherbee, W. T.	Millington, N. J.	.5
2MQ	Weber, Ernest A.	320 Spruce St., Richmond Hill, N. Y.	.5
2ABL	Weigand, Daniel	Hazlet, N. J.	.5
2AJK	Weiss, Benjamin	96 Watkins St., Brooklyn, N. Y.	.5
2FH	Weiss, Jacob	5 Adams St., Port Washington, N. Y.	1.0
2IJ	Weller, William W.	982 Linton Ave., New York, N. Y.	.5
2CA	Werner, George J.	728 W. 181st St., New York, N. Y.	.5
2FM	West, Gilmore O.	59 6th Ave., Long Branch, N. J.	.5
2AHE	West, Russell H.	44 South St., Newark, N. J.	.5
2AIJ	White, Clinton R.	484 Clinton Ave., Brooklyn, N. Y.	1.0
2TJ	White, Howard E.	1125 Madison Ave., New York, N. Y.	.5
2AON	Whitehead, Ralph R., jr.	Woodstock, N. Y.	.5
2AMX	Whittleton, Harry M.	Palisades Park, N. J.	.5
2APS	Wiendieck, Elmer C.	Merrick, N. Y.	.5
2WQ	Willetts, Gilson V.	92 Hamilton Ave., Yonkers, N. Y.	.5
2AJI	Willey, R. T.	1460 Bedford Ave., Brooklyn, N. Y.	.5
2DR	Williams, Arthur D.	73 S. Arlington Ave., East Orange, N. J.	.5
2API	Williams E. Harvey	547 Clifton Ave., Newark, N. J.	.5
2AGN	Williams, E. Malcolm	Troy High School, Troy, N. Y.	1.0
2EH	Wilmott, George B.	1138 E. 37th St., Brooklyn, N. Y.	.5
2GN	Wilson, John A., jr.	Tenafly, N. J.	1.0
2QI	Wimpfheimer, Gustave R.	1056 Hoe Ave., New York, N. Y.	.5
2DA	Winn, Arthur H.	325 Church St., Poughkeepsie, N. Y.	1.0
2FP	Woerner, Charles A.	247 Union St., Jersey City, N. J.	.5
2IZ	Wohl, William M.	763 E. 152d St., New York, N. Y.	.5
2AJA	Wood, Charles	274 W. 135th St., New York, N. Y.	.5
2APT	Woodman, Malcolm W.	New York University, New York, N. Y.	.5
2LZ	Woodrow, William	224 W. 140th St., New York, N. Y.	1.0
2AKF	Woodruff, Gordon B.	459 Grove St., Westfield, N. J.	.5
2BV	Woodward, Reginald	84 Amherst St., East Orange, N. J.	.5
2ABC	Woolcott, James V.	40 Edgewood Lane, Palisade, N. J.	1.0
2AFP	Woolley, Harrison	569 W. 173d St., New York, N. Y.	.5
2IW	Worth, John B.	Cresskill, N. J.	1.0
2AES	Wright, Henry O.	115 Mountain Ave., Westfield, N. J.	.5
2BE	Yerbury, George S., jr.	21 Irving Place, Passaic, N. J.	.5
2HZ	Youmans, Chester	5 Old Road, Bayonne, N. J.	.5
2AKY	Young Men's Christian Ass'n	Asbury Park, N. J.	1.0
2AEG	Ziegler, Edward F.	705 Woodbine St., Brooklyn, N. Y.	.5
2CM	Zimmerman, Herman, jr.	2590 3d Ave., New York, N. Y.	.5
2AGU	Zimmerman, William	765 Hunterdon St., Newark, N. J.	1.0
2DB	Zucker, Richard D.	45 Clinton Place, Mt. Vernon, N. Y.	.5



## AMATEUR RADIO STATIONS—Continued.

## SECOND DISTRICT—Continued.

## ALPHABETICALLY BY CALL SIGNALS.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
2AA	Adams, Everett L.	2AGW	Watson, E. A.	2AKA	Stewart, Guy A., jr.
2AAC	Storrs, William.	2AGX	Davies, R. J., jr.	2AKB	Roberts, Hugh V.
2AAD	Silleck, William C.	2AGZ	King, Frank.	2AKC	Stantley, J. T.
2AAF	Wselde, W. E.	2AH	Roche, Walter J.	2AKD	Nichols, R. W.
2AAJ	Tripp, David R.	2AHA	Benzing, H. A.	2AKE	Cater, Raymond.
2AAK	Cockaday, Lawrence M.	2AHC	Amy, E. V.	2AKF	Woodruff, G. B.
2AAM	Lang, Ernest.	2AHD	Klopak, J.	2AKG	Olson, George I.
2AAO	Maguire, Howard S.	2AHE	West, R. H.	2AKH	Robinson, C. S.
2AAP	Kollock, A. W.	2AHG	Mersfelder, J. H., jr.	2AKI	Sypher, E. L., jr.
2AAP	Judson, Joseph E.	2AHH	Rossner, James E.	2AKJ	Caulfield, J. V.
2AAQ	Sterna, Morton W.	2AHI	Comes, William J.	2AKK	Maurer, Edward.
2AB	Trube, Robert L.	2AHK	Bocchio, Raymond.	2AKL	Maran, J. F.
2AAB	Brick, Frank K., jr.	2AHL	May, Anthony.	2AKM	Hanson, Geo. V.
2AAU	Trube, Robert L.	2AHM	Watters, J. J.	2AKN	Eddy, John L., jr.
2AAZ	Pennell, Vere F.	2AHN	Marshall, Leonard H.	2AKO	Burns, Raymond N.
2ABC	Woolcott, James V.	2AHO	Thomhill, S. E.	2AKP	Lockard, J. F.
2ABD	Bilms, Charles A.	2AHP	Noble, J. Kendrick.	2AKR	Leighton, Leo.
2ABH	Kavanagh, John.	2AHQ	Reye, Stanley.	2AKT	Warner, Stanley F.
2ABN	Trube, Carl E.	2AHR	Byrne, William.	2AKU	Honeywell, Robert.
2ABO	Dodd, H. H.	2AHS	Bergner, James.	2AKV	Herbert, Norman.
2ABR	Lorini, Osmun W.	2AHT	Rupert, Stephen E. G.	2AKW	Warren, W. Harold.
2ABT	Hulse, L. M.	2AHU	Littlefield, Charles E.	2AKX	Schwarz, Sylvan L.
2ABV	Pulsifer, Frederic K., jr.	2AHY	Everingham, Charles E.	2AKY	Y. M. C. A.
2ABW	Olsen, Arthur C.	2AHZ	Eichfield, Nicholas.	2AKZ	Anderson, Lansdell.
2AC	Tripp, George B., jr.	2AI	Eber, J. G.	2AL	Stanley, W. N.
2ACJ	de Calahorra, A. S.	2AIA	Draper, George B.	2ALA	Francis, Sylvian.
2ACL	Pohlman, L. V.	2AIC	Pfaltz, Orlando R.	2ALB	Gratzner, Raymond.
2ACR	Von Thun, Henry B.	2AID	Butler, R. M.	2ALC	Merrifew, John E., jr.
2ACS	Maier, John C.	2AIE	Scholz, Frank A.	2ALD	Van Doren, Harold.
2ACU	Richardson, John R.	2AIF	Betts, Philander H.	2ALE	Fingerlin, Harold J.
2ACV	Dunham, John S.	2AIG	Hevener, Osborn F.	2ALF	Manchec, Alleyene W.
2ACZ	Terhune, Frank.	2AII	Brewster, Carlton.	2ALG	Angen, John.
2AD	Dammers, Albert.	2AIJ	White, Clinton R.	2ALH	Trautwein, Charles F.
2ADC	Humphrey, F. F.	2AIK	Leek, Nathaniel L.	2ALI	Dunham, Nelson.
2ADE	Eckler, H. D.	2AIL	Mulcahy, Frank.	2ALJ	Speder, William V.
2ADI	Mitchell, Clifford E.	2AIM	Giefer, Frank H.	2ALK	Capillon, Edward A.
2ADL	Hunkins, Carl J.	2AIN	Ostrewich, Thaddeus.	2ALL	Dinger, William E.
2ADN	Guttman, Bernard.	2AIO	Pieri, Donald.	2ALM	Sheldon, Henry B.
2ADP	Davis, Clarence F.	2AIP	Harper, Augustus E.	2ALN	Mason, Percy H.
2ADU	Jakobson, I. D.	2AIQ	Fink, Gustave.	2ALO	Huff, Frederick W.
2ADX	Vogel, E. W.	2AIR	Estberg, Hugo.	2ALP	Hulse, Tremaine.
2AE	Happe, W. H.	2AIS	Dawson, Fred.	2ALQ	Mulvaney, Thomas.
2AEB	Tompkins, G. F.	2AIT	Gluck, John.	2ALR	Kells, David G.
2AED	Rappolt, F. A.	2AIU	Scull, Walter.	2ALS	Oetjen, John J.
2AEF	Abrams, M. F.	2AIV	Miller, George.	2ALT	Van Loan, Harold H.
2AEG	Ziegler, Edward F.	2AIW	Thompson, Harold.	2ALU	Feiler, Harold.
2AEH	Edwards, J. B.	2AIX	Ballentine, Harold E.	2ALV	Atkinson, Benjamin.
2AEI	Reynolds, A. S.	2AIY	Johnson, John A.	2ALW	Benson, Warren S.
2AEJ	Pettitt, M. S.	2AIZ	Poling, Russell H.	2ALX	Hobson, Christopher E.
2AEN	Sorten, H.	2AJ	Buttner, Edwin T.	2AMA	Ackerman, Rudolph W.
2AER	Crinnion, E. T. J.	2AJA	Wood, Charles.	2AMB	VanDyke, Theodore F.
2AES	Wright, H. O.	2AJB	Kales, Emil U.	2AMC	Seller, Frank.
2AEW	Leyh, William.	2AJC	Carr, John.	2AMD	Weatherbie, W. T.
2AF	Bryant, M. V.	2AJD	Redfern, William W.	2AME	Frank, Richard.
2AFA	Bodkin, Laurence G.	2AJE	Rowley, Herbert G.	2AMF	Smith, William W.
2AFE	Dix, Harold S.	2AJF	Broome, Frank H.	2AMG	Jaques, Channing K.
2AFH	Schaefer, Adolph.	2AJG	DeVizio, Joseph.	2AMH	Bettels, Edward T.
2AFM	Holmes, George.	2AJH	Reed, Cecil J.	2AMI	Brush, George.
2AFR	Lehman, E. W. G.	2AJI	Willey, R. T.	2AMJ	Ruddy, George E.
2AFU	Goll, Robert E.	2AJK	Weiss, Benjamin.	2AMK	Allen, William F.
2AFW	Hornung, J. L.	2AJL	Kalning, W. C.	2AML	Mueller, Carl F., jr.
2AFY	Muller, H. W.	2AJM	Requa, Reginald C.	2AMM	Hubby, Russel S.
2AG	Bilsky, Walter.	2AJN	Stenger, H. C.	2AMN	Hart, Phillip.
2AGA	Lindgren, Richard N.	2AJO	McKenna, John K.	2AMO	Heiss, Walter.
2AGC	Mayer, Warren J.	2AJP	Grammet, Melvin L.	2AMP	Ardyn, John V.
2AGG	Maylor, Kimber A.	2AJQ	Stratton, Brainerd.	2AMQ	Frankendorf, Leander V.
2AGH	Hewitt, John K.	2AJR	Seckel, William.	2AMR	Avery, John.
2AGJ	Buttner, Edwin.	2AJT	Reilly, Hugh.	2AMS	Hunter, John W.
2AGO	Norris, Robert P.	2AJU	Wagerer, Lewis G.	2AMT	Voepel, Daniel, jr.
2AGQ	Rosenberg, Uda B.	2AJV	Cronin, William.	2AMU	Tennon, Evans H.
2AGT	Schleckser, Raymond R.	2AJW	Schmelzer, Gerhard.	2AMV	Adolph, Herbert.
2AGU	Zimmerman, William.	2AJX	Dederick, Harry C.	2AMW	Coon, George.
2AGV	Slevring, H. W.	2AJY	Goldstein, Jack.		
		2AJZ	Rice, Robert.		
		2AK	Hunkins, C. J.		

AMATEUR RADIO STATIONS—Continued.

SECOND DISTRICT—Continued.

ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
2AMX	Whittleton, Harry M.	2APV	Hymmen, Robert.	2AU	Schram, John, jr.
2AMY	Gell, Henry.	2APW	Vanderbilt, Harold	2AV	Y. M. C. A., Eastern
2AMZ	Roenrich, Henry.		W.		Dist.
2AN	Sedlak, C. J.	2APX	Baker, A. L.	2AW	Melville, Richard T.
2ANA	Lindhelmer, Carl M.		Charleton, E. E.	2AZ	Pearl, E. S.
2ANB	Leo, Nelson.	2APZ	Freeman, Robert J.		
2ANC	Guy, R. F.	2AQ	Wak, Henry.	2BA	Ash, Harry M., jr.
2AND	Khune, Fred C., jr.	2QA	Drury, Frank.	2BB	Lounsberry, Isaac.
2ANE	McLean, True.	2QB	Jacquet, Lloyd.	2BC	Harrletts, J. B.
2ANF	Fish, Edward H.	2QC	Gardner, Wm. F.	2BD	Banta, T. C.
2ANG	Kirchhoff, W. J.	2QG	Scott, W. F.	2BE	Yerbury, G. S.
2ANH	Raufe, Frank J.	2QH	Palmer, Thomas.	2BG	Gæde, G. F.
2ANI	Heinzman, Milton.	2QI	Smejkal, Harry.	2BI	Slater, Harry.
2ANJ	Hoff, R. S.	2QJ	Clarkin, William.	2BL	Dahms, Herbert.
2ANK	Seltz, Wesley.	2QK	Lambert, F. F.	2BM	Mann, Samuel.
2ANL	Adams, C. B.	2QL	Love, J. H.	2BO	Heermance, E.
2ANM	Foot, N. B.	2QM	Broax, I.	2BQ	McIntire, M. A.
2ANO	Nelson, Irving J.	2QO	Alexander, B. II.	2BR	Guild, Baldwin.
2ANP	Valentine, Russel D.	2QP	Bargebuhr, H. M.	2BS	Krech, Karl G.
2ANQ	Crowe, H. A.	2QR	Hoffman, Frank.	2BT	Ascho, Charles F.
2ANR	Walcutt, Frank.	2QR	Grover, Paul B.	2BU	Olson, Oscar A.
2ANS	Koyen, W. R.	2QS	Bohman, Albert.	2BV	Woodward, Reginald.
2ANT	Brown, Mortimer.	2QT	Ferris, C. S.	2BW	Hynes, E.
2ANU	Midgeley, Herbert.	2QU	Smith, E. C.	2BY	McHugh, John A.
2ANV	Hirschfeld, Edward.	2QV	Sommer, J.	2BZ	Lyman, C. G.
2ANW	Schaefer, Maximil- ian.	2QW	Frankenstein, E. S.		
		2QX	Rement, F.	2CA	Werner, G. J.
2ANX	Shaw, A. E., jr.	2QY	Showalter, J. W. e.	2CB	Leeb, Henry L.
2ANY	Felt, G. G.	2QZ	Hull, N. C.	2CD	Robbins, W. E., jr.
2ANZ	Johnson, R. H.	2RA	Underhill, George H.	2CE	Dalt, John W.
2AO	Jones, R. O.	2RA	Ballson, Howard.	2CF	Traflet, F. E.
2AOA	Mase, F. K.	2RB	Plauth, William.	2CG	Shield, Frederic K.
2AOB	Masmond, M. E.	2RC	Ferguson, G. M.	2CI	Quarino, John J.
2AOC	Cherry, G. S.	2RD	Oehler, Alfred C.	2CJ	Bathgate, W. E.
2OOD	Townley, H. C.	2RE	Souther, Sealey M.	2CK	O'Brien, T.
2AOE	Larsen, Rudolph.	2RF	Allen, James J.	2CL	Brooklyn Telegraph School.
2AOF	Adams, J. D.	2RG	Bona, Edward.	2CM	Zimmerman, Her- man.
2AOG	Richter, Robert.	2RH	Randell, Edward J.	2CN	Dickey, E. T.
2AOH	Kleppe, Arthur.	2RI	Pawley, Myron G.	2CO	Becher, G. H. J.
2AOI	Muller, H. G.	2RJ	Letter, David.	2CP	Van Duzan, Charles F.
2AOJ	Leathe, W. W.	2RK	McCoy, Lester.	2CQ	Hampe, Bernard A.
2AOK	Class, Charles L.	2RL	Perry, J. D.	2CR	Blauvelt, W. M.
2AOL	Horn, Charles W.	2RM	Dimmick, E. R.	2CS	Chuafer, C. L.
2AOM	Manning, Conant.	2RN	Bremer, F. V.	2CU	Robbins, Walter G.
2AON	Whitehead, R. R., jr.	2RO	Rau, James F.	2CV	Ritter, Alexander.
2AOO	Erven, R. P.	2RP	Campbell, George C.	2CW	Ham, Frank M.
2AOP	Thomson, J. M., jr.	2RQ	Miller, Raymond.	2CX	Davidson, W. H., jr.
2AOQ	Roquer, L. E.	2RR	Cohen, Monte.	2CY	Ferris, Malcolm.
2AOR	Shrivvage, E. J. A.	2RS	Grece, Joseph F.	2CZ	Becker, Frank.
2AOT	Trowbridge, O. H.	2RT	Hammond, George P.		
2AOU	Stadler, Reuben L.	2ARU	Machlett, Raymond R.	2DA	Winn, A. H.
2AOY	Davidson, Arthur.			2DB	Zucker, R. D.
2AOZ	Schlitz, Karl W.	2ARV	Appell, Daniel T.	2DC	Maher, Frank.
2AP	Benson, Edwin.	2ARW	Jockers, Edwin B.	2DD	Hammond, T. M.
2APA	Thornton, Jas.	2ARX	Dickinson, Edwin A.	2DE	Ruttmann, F.
2APB	Obert, J. Edwin.	2ARY	Berger, George P.	2DF	Hoyt, William L.
2APC	Stanard, John.	2ARZ	Erickson, E. T.	2DG	Higgs, H. Y.
2APD	Skinner, William.	2AS	De Yoe, W. L.	2DH	Knapp, Samuel.
2APE	Averill, William H.	2ASA	Genodette, Honora.	2DI	Maguire, Nelson.
2APF	Woolley, H.	2ASB	Houseworth, Charles W.	2DL	Bangert, Valentine F.
2APG	Hegmege, J. O. L.			2DM	Sachs, H.
2APH	Kalbach, C.	2ASC	Hauger, Oscar.	2DN	Warner, Herbert M.
2API	Williams, E. H.	2ASD	Gehret, Ernest G.	2DO	Guldi, Walter E.
2APJ	Lauterborn, G. E.	2ASE	Johnson, Axel W.	2DP	Crocker, Frank H.
2APK	Schedler, H. D.	2ASF	Sohnle, Fred.	2DQ	Porter, Roland.
2APL	Urban, C. B.	2ASG	MacBride, William D.	2DR	Williams, A. D.
2APM	Purvis, H.	2ASH	Geoghagen, T. V.	2DS	Clark, Le Roy.
2APN	Hausroth, A. H., jr.	2ASI	Tirrell, Walter H.	2DV	Kissick, R. G.
2APO	Tyler, B.	2ASJ	Schroeder, Henry.	2DW	Tuna, Lawrence.
2APP	Prinz, P. J.	2ASK	Schwartz, Adolph.		
2APQ	Knight, H. E. H.	2ASL	Thurston, George.	2EA	Doty, W. P.
2APR	Carpenter, S. C.	2ASM	Borduin, David.	2EC	Thiede, F. C.
2APS	Wiendieck, F. C.	2ASN	Koegel, Carl J.		
2APT	Woodman, M. W.	2ASO	Engstrom, Joseph E.		
2APU	Krantz, H. K.	2ASP	Ruben, Samuel.		

## AMATEUR RADIO STATIONS—Continued.

## SECOND DISTRICT—Continued.

## ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
2ED	Lowe, Graham V.	2ID	Miller, John W., Jr.	2LZ	Woodrow, W.
2EG	Arany, Egmont.	2IE	Lemmon, W. S.	2MA	Hasbrouck, Earl.
2EI	Quick, H. C.	2IF	Miller, Eugene B.	2MC	Garity, William E.
2EJ	Bechelofft, C. B.	2IH	Hiller, Harry E.	2ME	Booth, Sherman F.
2EK	Hoernol, Paul.	2II	Howell, W. J.	2MF	Hoppock, A. H.
2EN	Halligan, James W.	2IJ	Weller, W.	2MH	Buchanan, W. F.
2EP	Englehart, L. W.	2IK	Jensen, Martin.	2MI	Morris, E. S.
2ES	Campbell, R., Jr.	2IL	McClintock, G. C.	2ML	Donovan, E. T.
2ET	England, G. B.	2IM	Spangenberg, L.	2MN	Betts, Philander C.
2EU	Droste, G. T.	2IN	Scofield, R. W.	2MQ	Weber, E. A.
2EV	Hajos, Eugene.	2IO	Patton, Norman F.	2MR	Atwater, F. G., jr.
2EX	Jackson, B. B.	2IP	Ashmall, W. E., Jr.	2MS	Berri, Herbert.
2EY	McKinney, F. J.	2IS	Teets, Albert S.	2MT	Moses, Abram W.
2EZ	Donohue, Peter J.	2IT	Cowper, Norman.	2MV	Bell, A. E.
2FA	Pfeifer, C. H.	2IV	Smith, Nelson M.	2MX	Le Gallie, Clayton B.
2FB	Voeke, Edgar.	2IW	Cothen, J. B.	2MY	Cohen, Edwin K.
2FC	Derx, Martin, jr.	2IY	Dugan, E. W.	2MZ	Ferguson, James B., jr.
2FF	Brower, H. S.	2IZ	Wohl, William M.		
2FH	Wells, Jacob.			2NA	Dawley, Earle Reed.
2FJ	Helwig, H. F.	2JA	Caruthers, David.	2NC	Katz, Frederick.
2FK	Fraure, Richard W.	2JB	Smith, Clarence B., Jr.	2ND	Schwesler, Charles L.
2FM	West, G. D.	2JC	Connors, James.	2NF	Homan, E. J.
2FN	Roth, August F.	2JD	Boeder, Arthur R.	2NI	Moles, C. E.
2FO	Blanchard, Wesley B.	2JF	Lockwood, Nelson W.	2NJ	Kennedy, Harold J.
2FP	Woerner, C. A.	2JH	Fricke, William B.	2NK	Palm, J. A.
2FQ	Connor, H. G.	2JI	Ruhlman, Ernest R.	2NL	Bucknam, John R.
2FR	Ettlinger, Albert.	2JN	Atwater, Charles K.	2NN	Nightingale, John.
2FS	Stanley, H. L.	2JO	Smith, N. V.	2NO	Merritt, Frank.
2FT	Murray, William E.	2JP	Pruden, Harold M.	2NP	Koenig, George F.
2FU	Bruce, L. V.	2JR	Bruce, Edmond.	2NQ	Isaacson, Charles B.
2FV	Foster, D. E.	2JS	Larkin, James S.	2NR	Heuer, William H.
2FX	Gidney, Ray V.	2JT	Dennis, F. T.	2NS	Hoffman, Paul J.
2FZ	Harris, C. C.	2JU	Goette, C. J.	2NU	Hill, William S.
		2JV	Reich, Herbert.	2NV	Meder, George C.
		2JX	De Carlin, G. A.	2NW	Austrian, Ralph B.
2GB	Bartlett, B. W.			2NY	N. Y. School of Tele- graphy.
2GC	Sonn, A. E.	2KA	Coote, C. W.	2NZ	Pfeil, A. L.
2GF	Brockman, F. C.	2KB	Schabbehar, Edwin A.		
2GG	Dahlgren, B.	2KC	Hayes, Frank.	20A	Hammond, Lester.
2GH	Hardy, Myles.	2KD	Browne, W. S.	20C	Erasmus Hall High School.
2GI	Murphy, Dennis.	2KE	Maloney, J. T.	20E	Raynor, Sinclair L.
2GJ	Cronmeyer, E. C.	2KF	Nolan, George T.	20F	Meler, Robert A.
2GK	Pate, W. Schuyler.	2KG	Layng, G.	20J	Horning, Robert H.
2GL	Ashley, George.	2KH	Solberg, W.	20M	O'Mara, Edward F.
2GM	Moss, Sidney W.	2KI	Uphol, L. S.	20Q	Wade, Melmoth.
2GN	Wilson, John A., jr.	2KJ	Cummings, Frank X.	20R	Tong, Myron A.
2GO	Mulligan, Harry G.	2KK	Day, H. B.	20X	Mardon, Frederick H.
2GP	McClintock, Ralph W.	2KL	Gregory, A. V.		
2GQ	Manning, Charles T.	2KM	Francis, Charles E.	2PC	Barriette, Samuel L.
2GR	Gardell, Emil C.	2KN	Collison, Percy B.	2PG	Eckstein, William J.
2GS	Taylor, George W.	2KO	Tambupino, Antho- ny.	2PH	Pendleton, A. F.
2GU	New York Catholic Protectory.	2KP	Smith, Edgar T.		
2GV	Sleggman, Harry E.	2KQ	Schaefer, R. C.	2PJ	Thomas, Alonzo E., jr.
2GY	Dietz, Walter.	2KR	Hallenbeck, Charles.	2PM	Faraon, A. D.
		2KS	Morton, Edward M.	2PN	Berger, Henry C.
2HA	McCoy, Daniel.	2KT	Robertson, M. E.	2PQ	Schwartz, Max B.
2HD	Underwood, R. C.	2KU	Oehmen, O.	2PS	Cohen, Samuel.
2HE	Rock, Le Roy W.	2KV	Varetoni, William.	2PU	Lally, Joseph.
2HF	Coate, C. W.	2KW	Plummer, J. A.	2PW	Hellman, Abraham E.
2HI	Schuck, Charles H.	2KX	Kilmer, T. W.	2PX	Hamilton, A. G.
2HJ	Muller, J. A., jr.	2KY	Goodchild Electrical Co.	2PY	Bogardus, Henry L.
2HL	Huyler, Rollin M.			2QB	Blackford, H. W.
2HM	McKee, Clarence A.	2KZ	Spalding, K. W.	2QD	King, Wendell W.
2HO	Lyons, W. B.			2QG	Gale, Rowland A.
2HP	Mayhew, B. A., jr.	2LC	Roberts, A. P.	2QI	Wimpfheimer, G. R.
2HR	Summerville, Chris.	2LE	Egolf, R. E.	2QJ	Eckley, H. J.
2HS	Stewart, Douglas.	2LH	Sayres, Ralph A.	2QK	Ward, John R.
2HT	Duing, Alan C.	2LI	Heachman, F. C., jr.	2QL	Green, Irving W.
2HU	Hotchkiss, G.	2LJ	Hoagland, Raymond.	2QR	Robertson, W. L.
2HW	Collignon, Francis A.	2LK	Smith, J. O.	2QU	Osborne, J. Spencer.
2HX	Combes, Rae.	2LL	Benedict, A. R.		
2HY	Lane, D. M.	2LN	Morrison, C. F.	2RB	Reuman, William H.
2HZ	Muckenaupt, C. F.	2LP	Green, Ray J.	2RF	Springer, Charles M.
	Younmans, Chester.	2LS	Jablonsky, William.	2RH	Reiss, Lester.
		2LT	Breen, Thomas J.		
2IB	Feeney, Walter.	2LY	Hoover, R.		
2IC	Faraon, A. J.				

AMATEUR RADIO STATIONS—Continued.

SECOND DISTRICT—Continued.

ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
2RJ	Porter, Charles A.	2TP	Bohn, William C.	2VM	Brown, P. T.
2RL	Camp, Victor F.	2TQ	Adams, William.	2VQ	Agnoll, Justus.
2RP	Sorgous, Walter M.	2TV	Glenn, George.	2VW	Steinkamp, H.
2RR	Haigns, Russell P.	2TY	Lane, George.		
2RV	Johnson, W. E.	2TZ	Collins, F. J.	2WA	Keers, John K.
2RW	Bailey, H. W.			2WB	Fogetti, H. J.
2RX	Pickan, James C., Jr.	2UF	Evans, A. F.	2WC	Poliak, J. M.
		2UG	Bondeaux & Knights.	2WE	Haydon, Albert R.
2SB	Sangree, Ernest M.	2UO	Heyer, B. W.	2WF	Nolan, T. J.
2SF	Kollock, A. S.	2UQ	Hallett, E. D.	2WG	Lemkie, H. A.
2SG	May, Fred.	2UR	Arany, Leo.	2WH	Pearsall, A. R.
2SK	Murray, Charles.	2UV	Oliver, George E.	2WI	Anderson, R. W.
2SM	Hatry, William B.	2UY	Squire, Milford.	2WK	Caggiano, C. J.
2SP	Bellefrens, Gerhardt.	2UZ	Stewart, G. E.	2WL	Ryan, L. F.
2SQ	Kreit, R. A.			2WM	Fowler, J. B.
2ST	Emanuel, John H.	2VC	Johnson, T., Jr.	2WN	Betler, W. A. G.
		2VE	Robertson, Gus.	2WP	Spannaus, C.
2TB	Ford, Everett J.	2VI	Loub, A. F.	2WT	Poole, William C.
2TE	de Forest, E. L., Jr.	2VK	Cobert, James D.	2WY	MacLeod, Myron R.

THIRD DISTRICT.

[Headquarters: Customhouse, Baltimore, Md. The third district comprises the States of New Jersey (all counties not included in second district), Pennsylvania (counties of Philadelphia, Delaware, all counties south of the Blue Mountains, and Franklin County), Delaware, Maryland, Virginia, and the District of Columbia.]

ALPHABETICALLY BY OWNERS OF STATIONS.

Call signal.	Owner of station.	Location of station.	Power.
			Kw.
3PC	Abbott, E. H. B.	417 Landis Ave., Vineland, N. J.	0.5
3AMK	Abdill, George S.	125 E. Union St., Burlington, N. J.	.5
3QK	Adams, Leslie H.	828 Landis Ave., Vineland, N. J.	1.0
3CA	Adelberger, Adrian J.	Wayne, Pa.	1.0
3ET	Alber, Robert C.	5018 Irving St., Philadelphia, Pa.	1.0
3WJ	Alden, John H.	124 Bryant St. N.W., Washington, D. C.	.5
3BM	Allen, George Y.	Bernardsville, N. J.	.5
3PE	Allen, John P.	2032 N. Capitol St., Washington, D. C.	.5
3VH	Anconia, Frederick B.	1579 Mineral Spring Rd., Reading, Pa.	.5
3QD	Andersen, Frederick J.	735 Lincoln St., Reading, Pa.	.05
3BR	Anderson, John A.	612 Cherry St., Camden, N. J.	.5
3LJ	Anderson, Joseph L.	Texas, Md.	.5
3KR	Anderson, Richard J.	2510 26th St., North Wildwood, N. J.	.5
3TQ	Andrews, Edward C.	22d and Morris Sts., Philadelphia, Pa.	.5
3JF	Apfelbaum, Martin.	2711 Girard Ave., Philadelphia, Pa.	.5
3VG	Applegate, Franklin and Macpherson.	34 Hillcrest Ave., Trenton, N. J.	.5
3AX	Arner, Oscar Q.	56 V St. N.W., Washington, D. C.	.5
3AA	Ashmore, John W.	3408 Hamilton St., Philadelphia, Pa.	.5
3CN	Ashton, Leon W.	106 Washington Ave., Collingswood, N. J.	.5
3AIB	Atkinson, T. Howard.	423 E. State St., Trenton, N. J.	.5
3QN	Atlee, Charles B.	100 Linden Ave., Riverton, N. J.	.5
3PI	Atlee, Franklin.	2039 Pine St., Philadelphia, Pa.	.5
3JC	Ault, Arthur K.	1152 Columbia Ave., Baltimore, Md.	.5
3GC	Bach, Earl C.	926 N. 4th St., Allentown, Pa.	.5
3AFT	Backe, Louis M., Jr.	17 Maxham St., Sea Isle City, N. J.	.5
3GZ	Backe, Louis M., Jr.	1211 Ridge Ave., Philadelphia, Pa.	.5
3MA	Bacon, Harry E.	1527 Girard Ave., Philadelphia, Pa.	.5
3CK	Baer, Francis M.	1744 Corcoran St. N.W., Washington, D. C.	.5
3DD	Baily, William J., Jr.	5218 Spruce St., Philadelphia, Pa.	.5
3MU	Baily, William J., Jr.	5417 Addison St., Philadelphia, Pa.	.5
3CS	Baker, Harold Z.	134 N. Church St., Waynesboro, Pa.	1.0
3AMN	Bakley, Frank W.	300 9th St., Ocean City, N. J.	.5
3PL	Ballentine, Charles S.	4810 Germantown Ave., Philadelphia, Pa.	.5
3AKP	Bargelt, R. L.	Woodstock, Va.	.5
3AGF	Barkley, Joseph A.	2313 W. 17th St., Wilmington, Del.	1.0
3SW	Barnard, Julian W.	Bryn Mawr, Pa.	1.0
3MS	Barnhart, Lawrence W.	1637 N. 6th St., Harrisburg, Pa.	.5
3KN	Barr, Richard H.	602 W. Chestnut St., Lancaster, Pa.	1.0
3RZ	Barrett, Montague W.	222 Dartmouth St., Norfolk, Va.	.5

## AMATEUR RADIO STATIONS—Continued.

## THIRD DISTRICT—Continued.

## ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. Kw.
3SY	Barretta, Valroy S.	Vineland, N. J.	0.5
3QX	Barrington, Roger W.	608 Park Ave., Pensauken, N. J.	.5
3OJ	Barron, John H., jr.	3022 Abell Ave., Baltimore, Md.	.5
3AKG	Basford, Robert F.	112 W. 17th St., Wildwood, N. J.	.5
3WY	Basford, Robert F.	5308 Haverford Ave., Philadelphia, Pa.	.5
3AJ	Bausman, George H.	1246 N. Broadway, Baltimore, Md.	.5
3ASK	Baxley, C. Herbert	1126 W. North Ave., Baltimore, Md.	.5
3QT	Bayard, Arnold	Woodbine, N. J.	1.0
3ATI	Bayne, C. Armistead	914 Moran Ave., Norfolk, Va.	1.0
3VM	Baynes, Ralph J.	812 Vandever Ave., Wilmington, Del.	.5
3BL	Beach, Harry L.	3711 M St. N.W., Washington, D. C.	.5
3ARW	Beaston, Frank, jr.	3732 Locust St., Philadelphia, Pa.	.5
3AIR	Beaumont, Robert H.	7432 Devon St., Philadelphia, Pa.	.5
3WS	Beaumont, Robert H.	Atlantic City, N. J.	1.0
3AAV	Bechler, William C., jr.	1443 S. 3d St., Philadelphia, Pa.	.5
3ARF	Beck, Page M.	400 Minor St., Richmond, Va.	.5
3AGI	Beck, Rodney M.	4833 Pulaski Ave., Philadelphia, Pa.	.5
3WV	Becker, Frank F.	2118 N. 5th St., Philadelphia, Pa.	.5
3JS	Beekley, Francis C.	Media, Pa.	1.0
3AMF	Beekman, Robert L.	Mt. Washington, Md.	.5
3IM	Behan, Arthur R.	3447 N. 15th St., Philadelphia, Pa.	.5
3NL	Behm, L. F. F.	1519 Poplar Grove St., Baltimore, Md.	.5
3AEF	Beidelman, Harry A.	840 Elm St., Camden, N. J.	.5
3NI	Bell, Albert A., jr.	8 Catalpha Ave., Hamilton, Md.	1.0
3ARL	Belt, William B.	Hyattsville, Md.	.5
3VY	Beresford, Rees H.	4541 Chestnut St., Philadelphia, Pa.	.5
3DC	Bergen, Donald M.	920 Riverside Ave., Trenton, N. J.	1.0
3PY	Bergey, H. Leon	Lansdale, Pa.	1.0
3WH	Berkeley, Kenneth H.	3422 Center St. N.W., Washington, D. C.	.5
3KS	Bernhard, William	2119 Fairmount Ave., Baltimore, Md.	1.0
3VL	Bernstein, Abe R.	321 Church St., Norfolk, Va.	.5
3DN	Bertollet, Benjamin, jr.	2112 Columbia Ave., Philadelphia, Pa.	.5
3MO	Bickel, E. Clifton	758 High St., Pottstown, Pa.	1.0
3CC	Biddle, Howard L., jr.	319 Hillside Ave., Jenkintown, Pa.	.5
3HW	Bidwell, George L.	1245 Everts St. N.E., Washington, D. C.	.5
3NH	Bierfreund, Max A.	Pitman Ave., Pitman, N. J.	.5
3LQ	Birch, Stanford S.	45 Washington Ave., Collingswood, N. J.	.5
3FT	Biscioffi, Bernard J.	608 Carpenter St., Philadelphia, Pa.	.5
3CY	Biser, Mark H.	Middletown, Md.	.5
3BP	Blackwood, George C.	5346 Wayne Ave., Philadelphia, Pa.	.5
3ASF	Blaess, George	2106 N. 5th St., Philadelphia, Pa.	.5
3AAJ	Blair, C. Drewry	1804 Hanover Ave., Richmond, Va.	.5
3AAI	Blake, John M.	2506 Maryland Ave., Baltimore, Md.	.5
3TV	Blanford, Irving	922 North St., Portsmouth, Va.	.5
3AGP	Blanford, Irving I.	Portsmouth, Va. (portal-estation)	.5
3ASU	Blum, William	1811 Arctic Ave., Atlantic City, N. J.	.5
3GN	Board of Public Education	Lehigh Ave. and 8th St., Philadelphia, Pa.	.5
3EO	Rockins, John M., jr.	Abington, Pa.	.5
3FX	Bonsall, Thomas F.	213 Chester Ave., Glenolden, Pa.	.5
3AEM	Booz, Walter M.	237 W. Pine St., Wildwood, N. J.	.5
3ADA	Bott, James M.	1011 W. Cumberland St., Philadelphia, Pa.	.5
3SN	Bourgeois, Edmund R.	901 Central Ave., Ocean City, N. J.	1.0
3TL	Bowes, Joseph J.	2647 Agate St., Philadelphia, Pa.	.5
3AIX	Bowman, Christian M.	150 E. Chestnut St., Lancaster, Pa.	.5
3RG	Bowman, Philip W.	202 E. Montgomery St., Baltimore, Md.	.5
3HJ	Bradley, Horace E.	315 V St. N.E., Washington, D. C.	.5
3SO	Bradshaw, R. B.	239 Chestnut St., Haddonfield, N. J.	.5
3BO	Brady, John B.	Somerset, Md.	.5
3UZ	Braidwood, Thomas W.	Anglesea, N. J.	1.0
3AMS	Brandt, Bruce C.	932 Oak Hill Ave., Hagerstown, Md.	.5
3NZ	Branin, Manliff L.	4516 Pacific Ave., Wildwood, N. J.	.5
3EV	Brannan, Julian L.	2632 Guilford Ave., Baltimore, Md.	.5
3SS	Brany, Emil B.	241 Goepf St., Bethlehem, Pa.	1.0
3ARD	Brautigam, Harry G.	5714 American St., Philadelphia, Pa.	.5
3ATN	Briscoe, James D.	Hyattsville, Md.	.5
3VE	Brenner, Samuel M.	5025 Walnut St., Philadelphia, Pa.	.5
3AGM	Breuil, James F.	209 Rutgers St., Swarthmore, Pa.	.5
3AMI	Brineshults, Ralph	Cedarville, N. J.	.5
3ASM	Britt, Charles J.	Arlington, Pa.	.5
3TP	Brittingham, Otis B.	1038 North St., Portsmouth, Va.	.5
3JW	Broadbelt, J. Edward, jr.	2723 Guilford Ave., Baltimore, Md.	.5
3JH	Brockman, Francis C.	3 N. Main St., Nazareth, Pa.	1.0
3DF	Brockway, Ladue M.	154 Bickley Ave., Glenside, Pa.	.5
3ANM	Bromley, George T., jr.	222 N. Fulton St., Allentown, Pa.	1.0
3AHS	Brown, Edwin H.	125 State St., Harrisburg, Pa.	.5
3AMT	Brown, Raymond H.	633 10th St. N.E., Washington, D. C.	.5

## AMATEUR RADIO STATIONS—Continued.

## THIRD DISTRICT—Continued.

## ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Kw.
3AST	Brown, William	3013 Fairmount Ave., Atlantic City, N. J.	0.5
3ATA	Brubaker, John W.	911 Indiana Ave., Atlantic City, N. J.	1.0
3KE	Brubaker, John W.	200 W. 16th St., Philadelphia, Pa.	.5
3AAF	Brudenell, Norman	2123 W. Pacific St., Philadelphia, Pa.	.5
3AGO	Brunhouse, Jacob S.	431 W. York Ave., York, Pa.	1.0
30H	Bryan, John D.	1927 S. Salford St., Philadelphia, Pa.	.5
3GF	Bryce, Stanley C.	1626 N. 13th St., Philadelphia, Pa.	.5
3BK	Bryce, Stanley C.	Seaside Park, N. J.	.5
3CP	Bunting, George M., jr.	315 E. Broad St., Chester, Pa.	.5
3NW	Burke, Thomas J.	1750 W. Mole St., Philadelphia, Pa.	.5
3ANW	Burkhardt, Horace C.	1243 West Ave., Ocean City, N. J.	.5
3SM	Burnett, A. Elmo	418 N. 23d St., Richmond, Va.	.5
3RX	Buskey, Harry L.	425 Westover Ave., Norfolk, Va.	.5
3VB	Butt, Harvey R.	1307 Moran Ave., Norfolk, Va.	.5
3UW	Call, J. Richard	114 Walnut St., Haddonfield, N. J.	.5
3UJ	Campbell, James D.	214 Wyncote Rd., Jenkintown, Pa.	.5
3CO	Campbell, James S.	1700 S. 60th St., Philadelphia, Pa.	.5
3BW	Campbell, John W.	1209 N. 25th St., Philadelphia, Pa.	.5
3AHA	Carlisle, John F.	1015 10th Ave., Moore, Pa.	.5
3BX	Carpenter, C. Ellwood, jr.	7417 Sprague St., Philadelphia, Pa.	.5
3UN	Carpenter, C. Ellwood, jr.	Ocean City, N. J.	.5
3BA	Carrington, Roland	347 Camel St., Baltimore, Md.	.5
3AAG	Carroll, Louis, jr.	26 S. New Jersey Ave., Atlantic City, N. J.	.5
3AB	Carroll, Roy C.	918 Westminster St. N.W., Washington, D. C.	.5
3AND	Casey, Howard	230 S. Connecticut Ave., Atlantic City, N. J.	.5
3QQ	Cassady, Park H.	Hershey, Pa.	1.0
3AIW	Chadwich, Herbert E.	110 Walnut St., Jenkintown, Pa.	.5
3KO	Chalmers, Edwin L.	125 Burk Ave., Wildwood, N. J.	1.0
3ANL	Chambers, Ivan F.	1519 Franklin St., Washington, Del.	.5
3ASE	Channell, John W.	Philadelphia, Pa. (portable station)	1.0
3FM	Channell, John W.	5213 Germantown Ave., Philadelphia, Pa.	.5
3ST	Chappell, Ralph R.	2112 E. Clay St., Richmond, Va.	.5
3SD	Cheltenham High School	Elkins Park, Pa.	.5
3AHP	Chesser, Page P. A.	Georgetown, Del.	.5
3DE	Chism, Thomas A.	3617 O St. N.W., Washington, D. C.	.5
3UT	Cianfrani, Theodore	1217 Morris St., Philadelphia, Pa.	.5
3BG	Clark, Edwin T.	2419 S. Juniper St., Philadelphia, Pa.	.5
3FQ	Clark, William R.	38 N. Paxson St., Philadelphia, Pa.	.5
3WN	Cloman, William E.	3725 Kossuth St., Baltimore, Md.	.5
3AOI	Coblentz, Philip O.	Middletown, Md.	.5
3AIA	Cocklin, Foster W.	1630 N. 5th St., Harrisburg, Pa.	1.0
3UR	Cohan, William W.	611 Lombard St., Philadelphia, Pa.	.5
3MP	Cohen, Henry	600 S. 2d St., Philadelphia, Pa.	.5
3CL	Coleman, Walter V.	2245 N. 15th St., Philadelphia, Pa.	.5
3AO	Collier, Wilbur H.	820 W. Fayette St., Baltimore, Md.	.5
3AOR	Cook, Charles F.	Yardley, Pa.	.5
3CI	Cook, Howell E.	Seaside House, Atlantic City, N. J.	.5
3ADO	Coombs, John S.	Bethesda, Md.	.5
3LR	Cooper, William F.	Franklin and Marshall Academy, Lancaster, Pa.	.5
3PT	Cox, T. Newell	Pikesville, Md.	.5
3AEA	Craigie, Stuart M.	511 W. Grace St., Richmond, Va.	.5
3ET	Creager, E. Clark	Wynnewood, Pa.	.5
3BE	Critchlow, P. Davey	2632 N. 17th St., Philadelphia, Pa.	.5
3QJ	Crowley, Robert H.	23 N. Dewey St., Philadelphia, Pa.	.5
3ARE	Cullin, Ernest N.	1762 Willard St. N.W., Washington, D. C.	.5
3ANK	Cunningham, G. Blair	1419 Linden St., Allentown, Pa.	.5
3NC	Dalling, Howard	2942 High St., Camden, N. J.	.5
3ASD	Damon, Lester R.	2517 N. 9th St., Philadelphia, Pa.	.5
3FB	Darby, George B., jr.	1 Bala Ave., Bala, Pa.	.5
3WI	Darnell, Albert H., jr.	129 S. Pennsylvania Ave., Atlantic City, N. J.	.5
3FA	Davis, Edwin L.	3812 8th St. N.W., Washington, D. C.	.5
3AOE	Davis, Lewis V.	Burlington, N. J.	.5
3WL	Davis, Raymond	1422 Perry Pl. N.W., Washington, D. C.	1.0
3UG	Dearden, Rowland R., 3d	11th St. and 69th Ave., Philadelphia, Pa.	.5
3AHT	Deavers, Wayne R.	1815 A W. Main St., Richmond, Va.	.5
3QU	Deichmann, George L., jr.	Park Heights Ave., Baltimore, Md.	.5
3FN	Deichmiller, Alvin	1323 S. Carey St., Baltimore, Md.	.5
3FF	Dempster, Warren J.	118 Cleveland Ave., Norwood, Pa.	.5
3LP	Densham, Harry W.	Collingswood, N. J.	.5
3FR	Densten, E. Craig	Penns Grove, N. J.	1.0
3QB	Derbyshire, Agnew W.	47 Clapier St., Germantown, Pa.	.5
3HY	Derr, Francis S.	36 Franklin St., Somerville, N. J.	.5
3FY	Devlin, John L.	5611 Angora Ave., Philadelphia, Pa.	.5
3JE	Dickerson, E. Stuart, jr.	121 W. Cedar Ave., Merchantville, N. J.	.5
3AEW	Dicks, Grover C.	Hagerstown, Md.	.5
3EA	Dietz, Fred	2136 N. Orleans St., Philadelphia, Pa.	.5

## AMATEUR RADIO STATIONS—Continued.

## THIRD DISTRICT—Continued.

## ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			<i>Kw.</i>
3RD	Dimling, Rudolph G. A.	Bancroft Pk., Baltimore, Md.	0.5
3IC	Dingee, Alex. L. M.	Paoli, Pa.	1.0
3AKK	Dolbow, George W.	215 W. 22d St., Wilmington, Del.	.5
3KH	Don Bosco Institute.	507 S. 9th St., Philadelphia, Pa.	.5
3PG	Dorsey, Arthur.	3601 Greenmount Ave., Baltimore, Md.	.5
3GJ	Doughty, William R.	218 E. Park Ave., Haddonfield, N. J.	.5
3MA	Downes, Marlboro K.	1002 E. Broad St., Richmond, Va.	.5
3LN	Doyle, John E.	1931 N. Uber St., Philadelphia, Pa.	1.0
3BB	Dralovec, Dalibor.	3335 N. Water St., Philadelphia, Pa.	.5
3DL	Drels, William J.	623 N. Penn St., Allentown, Pa.	.5
3ARH	Drexel Radio Club.	Drexel Institute, Philadelphia, Pa.	.5
3MD	Dulany, Franklin R.	5 W. Walnut Ave., Merchantville, N. J.	.5
3LT	Dunbar, Lewis T.	R. F. D. No. 1, Bristol, Pa.	.5
3AHO	Dunn, John M.	30 Union St., Salem, N. J.	.5
3UM	Durham, Edmund B.	85 South St., Somerville, N. J.	.5
3VA	Durham, Wilson N.	4618 Spruce St., Philadelphia, Pa.	.5
3AK	Duvall, Edward B.	1027 Madison Ave., Baltimore, Md.	.5
3SC	Ecton, Albert F.	8224 7th St. SW., Washington, D. C.	.5
3TJ	Edson, Howard D.	1505 N. Gratz St., Philadelphia, Pa.	.5
3FV	Edwards, Charles.	3345 Ella St., Philadelphia, Pa.	.5
3BN	Egan, John E.	1332 N. Merrine St., Philadelphia, Pa.	.5
3VI	Egner, John.	3126 N. 7th St., Philadelphia, Pa.	.5
3IH	Elsele, Edward, jr.	1116 Glenwood St., Philadelphia, Pa.	.5
3AKI	Eisenhard, Stanley E.	1512 Gordon St., Allentown, Pa.	1.0
3AKT	Eisenhauer, Harry D.	744 N. 11th St., Reading, Pa.	.5
3KT	Elder, Lucius W.	407 Wayne Ave., Wayne, Pa.	.5
3BQ	Eller, George O.	717 7th St. SE., Washington, D. C.	.5
3ADL	Ellis, Edmund K.	Bethesda, Md.	.5
3LU	Ellis, J. Elton.	1929 Hoffman St., Philadelphia, Pa.	.5
3CR	Ellis, William G.	2204 N. 15th St., Philadelphia, Pa.	1.0
3AW	Ely, Harry S.	Overlea, Md.	.5
3ADR	Endress, John N.	2430 Jefferson St., Harrisburg, Pa.	1.0
3AKE	Enslin, Louis R.	1731 N. 21st St., Philadelphia, Pa.	.5
3AME	Ensor, John S.	Mt. Washington, Md.	.5
3DR	Eyster, James A.	317 Washington Ave., Haddonfield, N. J.	1.0
3ATR	Falconer, Norwood B.	1630 Bolton St., Baltimore, Md.	.5
3HT	Falkenberg, August E.	512 Franklin Ter., Baltimore, Md.	1.0
3LM	Faries, Walter R.	Llankerris Rd., Bala, Pa.	.5
3AAU	Faustlich, Chester W.	1535 Clifton St., Baltimore, Md.	.5
3OT	Faust, Elmer J.	728 Hamilton St., Allentown, Pa.	.5
3BI	Feiler, Frederick W.	209 W. Thayer St., Philadelphia, Pa.	.5
3TR	Fell, David B.	19 Park Ave., Ogontz, Pa.	.5
3JU	Fenimore, Robert S.	Windsor Mill Rd., Baltimore, Md.	.5
3RC	Fenton, Edward T.	Park Heights Ave., Baltimore, Md.	.5
3CH	Ferris, Malcolm.	3409 Baring St., Philadelphia, Pa.	.5
3IX	Field, Harry P.	219 39th St., Norfolk, Va.	.5
3CQ	Finger, Russell W.	448 Royden St., Camden, N. J.	.5
3OP	Fink, Louis, 3d.	Laurel Springs, N. J.	.5
3IW	Fisher, John T.	136 York Ave., West Cape May, N. J.	.5
3DZ	Fisher, Roy S.	3520 Disston St., Philadelphia, Pa.	1.0
3HO	Fithian, Wm. S., jr.	313 E. Commerce St., Bridgeton, N. J.	1.0
3BH	Flather, Bryan S.	1358 South Carolina Ave. SE., Washington, D. C.	.5
3AFH	Fliegel, William M.	4535 N. 17th St., Philadelphia, Pa.	.5
3VX	Flounders, Newton.	Media, Pa.	1.0
3ARM	Flumerfelt, E. Clinton.	Polkville, N. J.	.5
3AMA	Fow, Oscar A.	103 Summit Ave., Jenkintown, Pa.	.5
3KC	Flynn, Thomas F.	Mineral, Va.	.5
3QY	Frank H. Stewart Electric Co.	37-39 N. 7th St., Philadelphia, Pa.	.5
3JN	Frankenfield, Albert L.	236 N. 53d St., Philadelphia, Pa.	.5
	Franklin and Marshall Academy. See Cooper, William F.		
3VS	French, Edward R., jr.	231 9th St. SE., Washington, D. C.	.5
3EL	Fricke, Henry W. L.	801 Aisquith St., Baltimore, Md.	1.0
3NB	Frye, Marcus, jr.	616 Elmer St., Vineland, N. J.	1.0
3QP	Fulton, Harold E.	1643 Turner St., Allentown, Pa.	.5
3AMG	Gains, George A.	804 W. Saratoga St., Baltimore, Md.	.5
3JV	Gardner, James A.	14 1st Ave., West Catasaugua, Pa.	.5
3MT	Gardner, William L.	1612 N. 4th St., Harrisburg, Pa.	.5
3NF	Gaskill, William W.	226 E. Washington Ave., Merchantville, N. J.	.5
3AY	Gaskins, Richard W.	931 North St., Portsmouth, Va.	.5
3WU	Gaty, John P. and Lewis R.	29 Morris Ave., Morristown, N. J.	1.0
3CN	Gause, Harry W.	221 5th St. SE., Washington, D. C.	.5
3LX	Geiglein, Henry S.	2583 W. Fayette St., Baltimore, Md.	1.0
3UI	George, John R.	222 W. Wyoming Ave., Philadelphia, Pa.	.5

AMATEUR RADIO STATIONS—Continued.

THIRD DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Kw.
3ATH	George, John R.	5150 Knox St., Philadelphia, Pa.	0.5
3AV	Gerns, William H.	1663 Wisconsin Ave. N.W., Washington, D. C.	.5
3SX	Gleske, Alfred W., jr.	Catonsville, Md.	1.0
3AOP	Gilbert, Clifford W.	1620 N. 17th St., Philadelphia, Pa.	.5
3UA	Gilbert, Harry P., jr.	809 Emmet St., Portsmouth, Va.	.5
3AHI	Giles, Larkin.	1307 Clayton St., Wilmington, Del.	.5
3ARI	Gillen, John J.	2134 Christian St., Philadelphia, Pa.	.5
3AZ	Gillingham, Geo. L., jr.	4508 Richmond St., Bridesburg, Pa.	.5
3AR	Gilpin, Levering H.	2702 N. Calvert St., Baltimore, Md.	1.0
3II	Gleisner, Francis W.	134 Folsom Ave., Atlantic City, N. J.	.5
	Glenside Wireless Association. See Zabel, Leroy E.		
3AIF	Gluck, Earl.	Berwick Ave., Hamilton, Md.	.5
3LO	Godfrey, Clarence M.	915 14th St. SE., Washington, D. C.	.5
3IF	Godfrey, Earl.	145 St. Charles Pl., Atlantic City, N. J.	.5
3NK	Godfrey, Howard L.	2150 N. Corlies St., Philadelphia, Pa.	.5
3FG	Godfrey, James M.	5037 Springfield Ave., Philadelphia, Pa.	.5
3WX	Goebel, Eugene S.	1801 Columbia Ave., Philadelphia, Pa.	.5
3AKM	Goldstein, William	642 N. Clinton Ave., Trenton, N. J.	.5
3KB	Goodall, Albert B.	518 Rhode Island Ave. NE., Washington, D. C.	.5
3JZ	Goodling, David H.	330 N. Madison St., Allentown, Pa.	.5
3WO	Goodwin, Harold F.	4041 N. 5th St., Philadelphia, Pa.	.5
3UY	Gordon, Horace W.	5115 Spruce St., Philadelphia, Pa.	.5
3OL	Grant, Arthur F.	2112 Venango St., Philadelphia, Pa.	.5
3RO	Gravely, Willis T.	854 Main St., Danville, Va.	1.0
3KM	Gray, Gerald.	92 Main St., Newton, N. J.	.5
3EX	Gray, Karl F.	113 Northampton St., Easton, Pa.	.5
3KF	Green, Anthony J.	1112 S. Lakewood Ave., Baltimore, Md.	.5
3HC	Green, Daniel J.	610 Washington St., Cape May, N. J.	.5
3AKH	Greenfield, Robert H.	1628 W. Ontario St., Philadelphia, Pa.	.5
3AGT	Gresh, Harold.	Main St. and Franklin Ave., Norristown, Pa.	1.0
3ANF	Grier, George M.	114 W. 13th St., Wilmington, Del.	.5
3VK	Griffith, Dorsey J.	3104 R St. NW., Washington, D. C.	.5
3PZ	Griffith, Elmer G.	1415 Loudon St., Philadelphia, Pa.	.5
3MK	Griscorn, Samuel B.	32 Walnut St., Salem, N. J.	.5
3AL	Guenzel, Herman A.	410 Buttonwood St., Philadelphia, Pa.	.5
3ATG	Gummere, John F.	20 Tenby Rd., Llanerch, Pa.	.5
3HD	Haake, William F.	3429 Frederick Ave., Baltimore, Md.	.5
3RQ	Haas, Jerome S.	2011 Atlantic Ave., Atlantic City, N. J.	.5
3QF	Haig, J. Donald.	118 E. Maple Ave., Merchantville, N. J.	.5
3NM	Haldeman, George E.	849 Maple Ave., Collingswood, N. J.	.5
3AIG	Hale, Charles W.	233 Lancaster Ave., Wayne, Pa.	.5
3OD	Hall, Leroy.	86 V St. NW., Washington, D. C.	.5
3QV	Hall, Robert S.	Clarke's Lane, Arlington, Md.	.5
3FR	Hamburg, Russell.	105 E. Crocus Rd., Wildwood Crest, N. J.	.5
3ASW	Hammell, William C.	640 Lake St., Lancaster, Pa.	.5
3RV	Hammill, McClintock, jr.	1822 Spruce St., Philadelphia, Pa.	.5
3JT	Hampson, George M.	731 Newington Ave., Baltimore, Md.	.5
3JY	Hann, Charles B.	206 E. Preston St., Baltimore, Md.	.5
3HR	Harmer, Robert H.	150 S. Willow Grove Pike, Glenside, Pa.	.5
3ADF	Harrell, Leonard B.	900 Holladay St., Portsmouth, Va.	.5
3FH	Harris, Edwin R.	61 N. 61st St., Philadelphia, Pa.	.5
3PJ	Harris, S. Sylvan.	3413 Judson St., Philadelphia, Pa.	1.0
3LY	Harris, William J.	23d and Howard Sts., Chester, Pa.	.5
3QW	Harsch, Lawrence P.	Mt. Ranier, Md.	.5
3AMD	Hart, Robert M.	208 St. Martins Rd., Baltimore, Md.	.5
3IS	Hartley, Milton E.	635 E St. SE., Washington, D. C.	.5
3VJ	Harvey, Edmund H.	Secane, Pa.	.5
3ART	Harvey, Walter E.	233 N. Broad St., Trenton, N. J.	.5
3FS	Harwood, Theodore O.	1326 N. Broadway, Baltimore, Md.	.5
3ID	Hasenfus, Joseph F.	2328 N. Fairhill St., Philadelphia, Pa.	.5
3AED	Haslett, Harold D.	1822 N. Croskey St., Philadelphia, Pa.	.5
3ADT	Hastings, Harris.	905 B St. NE., Washington, D. C.	.5
3ASR	Hauf, Joseph C., jr.	4310 Maine Ave., Baltimore, Md.	.5
3LI	Heck, Lewis O.	1614 Webster St., Baltimore, Md.	.5
3NX	Heintzelman, Walter.	312 N. 14th St., Allentown, Pa.	.5
3ATD	Heist, Le Roy E.	2415 N. Capitol St., Washington, D. C.	.5
3ANO	Henneberger, Hubert.	15 Cannon Ave., Hagerstown, Md.	1.0
3AGE	Hemphill, William J., jr.	235 W. Wyoming Ave., Philadelphia, Pa.	.5
3LM	Hernandez, Roger B.	1326 Chew St., Allentown, Pa.	.5
3DW	Hermanns, A. Walter.	Philadelphia, Pa. (portable station).	.5
3SZ	Herndon, Landon C.	409 Middle St., Portsmouth, Va.	.5
3GP	Hettlinger, Alfred C.	128 S. Church St., Allentown, Pa.	.5
3EM	Heyser, Wilber A.	337A Marshall St., Norristown, Pa.	.5
3HM	Hickman, Paul W.	1917 Green St., Philadelphia, Pa.	.5
3AAX	Hicks, Thomas R.	425 Miner St., West Chester, Pa.	1.0



## AMATEUR RADIO STATIONS—Continued.

## THIRD DISTRICT—Continued.

## ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. Kw.
3PV	Hiestand, Benjamin	Marietta, Pa.	0.5
300	Hindin, Louis N.	1615 S. 5th St., Philadelphia, Pa.	0.5
3ND	Hirst, Arthur C.	Haverford, Pa.	0.5
3MF	Hitchner, Clyde G.	405 8th St., Vineland, N. J.	0.5
3JX	Hoagland, Donald	43 Lake St., Bridgeton, N. J.	0.5
3RI	Hodges, R. E. L.	2648 Maryland Ave., Baltimore, Md.	0.5
3ATF	Hodges, Thomas L.	3408 Duvall Ave., Baltimore, Md.	0.5
3RU	Hoff, J. Marshall	4909 Knox St., Philadelphia, Pa.	0.5
3KK	Hofmann, George A.	1416 Liberty St., Trenton, N. J.	0.5
3AQ	Hogan, Harold O.	3d and Cherokee Sts., South Bethlehem, Pa.	0.5
3AMP	Holloway, J. Q. A.	Mt. Washington, Md.	0.5
3EZ	Hollyday, H. Robins.	120 E. Dover St., Easton, Md.	0.5
3AEN	Holstein, Hubert	1932 Page St., Philadelphia, Pa.	0.5
3PS	Holt, Clarence J.	136 D St. S.E., Washington, D. C.	0.5
3AAK	Hopkins, James R.	3214 West Ave., Newport News, Va.	0.5
3AET	Horner, George E.	734 Market St., Camden, N. J.	0.5
3AHK	Houck, Harry W.	New Cumberland, Pa.	1.0
3PX	Howard, H. Trumbull	221 Park Ave., Swarthmore, Pa.	0.5
3UC	Howell, S. Van S.	Clinton, N. J.	0.5
3UF	Howlett, Joseph T. F.	2303 N. Broad St., Philadelphia, Pa.	1.0
3UP	Howlett, Joseph T. F.	2303 N. Broad St., Philadelphia, Pa. (portable station)	0.5
3UQ	Howlett, Joseph T. F.	Mt. Pocono, Pa.	1.0
3AFO	Huddy, James J., jr.	1906 Wolf St., Philadelphia, Pa.	0.5
3ARN	Hunt, Harry L.	1006 Wilkesbarre St., Easton, Pa.	0.5
3ARP	Hunter, H. Clifford	226 E. Lancaster Ave., Wayne, Pa.	0.5
3TE	Huyette, Paul B.	4601 Wayne Ave., Philadelphia, Pa.	0.5
3WF	Huyler, Rollin M.	Mt. Tabor, N. J.	0.5
3LB	Iddings, Frederick T.	1608 Linden Ave., Baltimore, Md.	0.5
3CJ	Imfeld, Fred, jr.	117 N. 6th St., Philadelphia, Pa.	0.5
3ADI	Imfeld, Fred, jr.	Bridgeport, N. J.	0.5
3OV	Jacoby, Arthur C.	517 Linden St., Allentown, Pa.	0.5
3AU	Jewett, R. W. Dickinson	1833 Jefferson Pl. NW., Washington, D. C.	0.5
3MZ	Jodry, Ray S.	Quincy, Pa.	1.0
3OG	Jones, John W.	328 Cooper St., Camden, N. J.	0.5
3NP	Jones, LaFrantz	923 French St., Wilmington, Del.	0.5
3LC	Jones, Winters	728 N. Monroe St., Baltimore, Md.	0.5
3ASK	Jordan, Pendleton A., jr.	339 Main St., Suffolk, Va.	0.5
3TB	Judson, Elbert B.	111 13th St. S.E., Washington, D. C.	0.5
3ATE	Keim, Jonathan D.	81 Keim St., Pottstown, Pa.	0.5
3AHD	Keller, John H.	2631 N. 6th St., Harrisburg, Pa.	0.5
3WZ	Keller, Kenneth W.	159 Harrison Ave., Glenside, Pa.	0.5
2WW	Keller, Paul A.	13th St. and Lehigh Ave., Phila., Pa.	0.5
3TZ	Kellert, Charles	1208 St. Matthew St., Baltimore, Md.	0.5
3ARG	Kelley, Ray F.	1042 S. Paxon St., Philadelphia, Pa.	0.5
80B	Kennedy, Ignatius L.	28 S. Market St., Frederick, Md.	0.5
3EP	Kennedy, Joseph H.	2052 E. Fletcher St., Philadelphia, Pa.	1.0
3AOK	Kenyon, Walter R.	Philadelphia, Pa. (portable station)	0.5
3SH	Kenyon, Walter R.	1838 Columbia Ave., Philadelphia, Pa.	1.0
3AOL	Kienast, Joseph	Columbus Rd., Burlington, N. J.	0.5
3TT	Kindt, Charles F., jr.	301 Washington Lane, Jenkintown, Pa.	0.5
3MM	King, Albert	209 St. Mary St., Burlington, N. J.	0.5
3SV	King, Charles E.	Calvert Court Apts., Baltimore, Md.	0.5
3RP	Kirby, Elmer S.	5300 Glenmore Ave., Philadelphia, Pa.	0.5
3RH	Kline, H. N. Gay	17 E. 12th St., Ocean City, N. J.	0.5
3AAO	Klock, Victor J.	707 N. Seventh St., Camden, N. J.	0.5
3KX	Knight, G. Webber, jr.	1545 Walnut St., Harrisburg, Pa.	1.0
3IQ	Knoll, Lloyd M.	3260 Chestnut St., Philadelphia, Pa.	0.5
3AEH	Knoll, Lloyd M.	240 Greenwich St., Reading, Pa.	0.5
3SL	Knoppel, Herman L.	136 Lisimore Ave., Glenside, Pa.	0.5
3FJ	Knowles, Edward P.	1100 W. State St., Trenton, N. J.	0.5
3TY	Krone, Julian E.	2308 West Ave., Newport News, Va.	0.5
3EI	Kumler, Kelvin C.	Kensington, Md.	0.5
3SQ	Kupp, Clarence L.	451 Lincoln Ave., Pottstown, Pa.	1.0
3CF	Laager, Creston F.	1029 Belmont Ave., West Philadelphia, Pa.	0.5
3GV	Laber, Joseph M.	2422 N. Gratz St., Philadelphia, Pa.	0.5
3OS	Lafferty, Francis A.	1717 Ingersoll St., Philadelphia, Pa.	0.5
3VD	Lamb, Franklin	623 Elmer St., Vineland, N. J.	0.5
3UB	Lamb, Roland H.	1131 Gorsuch Ave., Baltimore, Md.	0.5
3ME	Lamdin, Charles R.	4016 Edmonson Ave., Baltimore, Md.	0.5
3TC	Landis, Harry	2461 N. 28th St., Philadelphia, Pa.	0.5
3QG	Landis, Harold O.	341 N. Front St., Reading, Pa.	0.5
3CW	Lange, J. Robert	1338 Lemmon St., Baltimore, Md.	0.5
3AAB	Lamsford, Willis R.	3807 13th St., N. W., Washington, D. C.	0.5
3EB	LaSalle College	1240 N. Broad St., Philadelphia, Pa.	1.0
3ADE	Layton, Howard H.	805 Washington St., Wilmington, Del.	0.5
3AHE	Lazarus, Sanford S.	576 Madison Ave., York, Pa.	1.0
3ED	Legg, Albert A.	1931 N. 23d St., Philadelphia, Pa.	0.5
3OI	Lehmborg, Henry	5116 N. 12th St., Philadelphia, Pa.	0.5

AMATEUR RADIO STATIONS—Continued.

THIRD DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. <i>Kw.</i>
3AHW	Leigh, Walter S.	Clinton, N. J.	0.5
3OA	Lentz, Arthur F.	18 Fairview St., West Catasauqua, Pa.	.5
3ADI	Leopold, William	2110 N. 4th St., Philadelphia, Pa.	.5
3AAE	Lesky, William	2800 Snyder Ave., Philadelphia, Pa.	.5
3TW	Leslie, Malcolm C.	749 Asbury Ave., Ocean City, N. J.	.5
3QC	Lever, Haseltine S.	Abington, Pa.	.5
3LA	Levin, Davis.	44 S. Bond St., Baltimore, Md.	.5
3OH	Levy, Lewis.	243 E. Pearl St., Burlington, N. J.	.5
3RB	Lewis, Ellis	658 Linden Ave., York, Pa.	1.0
3AAL	Lewis, John B.	5108 Whitney Ave., Philadelphia, Pa.	.5
3ASP	Lewis, John C., Jr.	4014 Penaurst Ave., Baltimore, Md.	.5
3ASV	Lewis, Joseph A.	201 Massachusetts Ave., Atlantic City, N. J.	.5
3AKN	Lewis, Max J.	222 Jackson St., Trenton, N. J.	.5
3AEK	Lewis, Samuel W.	121-B North Mass. Ave., Atlantic City, N. J.	.5
3AIN	Liddell, Harry M.	224 W. Poplar Ave., Wildwood, N. J.	.5
3UE	Lindauer, Herman E.	3409 Piedmont Ave., Baltimore, Md.	.5
3AMO	Linthicum, Robert E.	2013 Benning Rd., N.E., Washington, D. C.	.5
3AFN	Lippincott, Bertram.	1712 Spruce St., Philadelphia, Pa.	.5
3AOS	Lister, Robert W.	102 Overbrook Ave., Trenton, N. J.	.5
3AFK	Lohr, Allen W.	2122 Flagler Pl., N.W., Washington, D. C.	.5
3QE	Long, Perry H.	133 Runnymede Ave., Wayne, Pa.	.5
3RE	Longaker, Abram	216 Zeraldo St., Philadelphia, Pa.	.5
3AAD	Longfellow, Charles F., Jr.	3038 R St., N.W., Washington, D. C.	.5
3DU	Louchheim, William S.	Jenkintown, Pa.	.5
3UX	Loughlin, John K.	2215 Hunting Park Ave., Philadelphia, Pa.	.5
3DI	Lowell, Percival D.	2838 27th St., N.W., Washington, D. C.	.5
3WQ	Lower Marion High School.	Ardmore, Pa.	.5
3AAR	Lum, Robert B.	64 Greene Ave., Madison, N. J.	.5
3PM	Lusse, Richard N.	2855 N. 8th St., Philadelphia, Pa.	.5
3NY	Lutz, John M.	119 E. Wildwood Ave., Wildwood, N. J.	.5
3DY	Lynn, Thomas H.	Hyattsville, Md.	.5
3LG	Lyon, Harry H.	Hyattsville, Md.	.5
3UL	Lyon, Raymond S.	527 William St., Boonton, N. J.	.5
3GH	MacDonlad, Stuart	209 N. 53rd St., Philadelphia, Pa.	.5
3EK	MacKendrick, Robert G.	307 Amos Land Rd., Holmes, Pa.	.5
3IA	Mahlmeister, Eugene, Jr.	1801 N. 13th St., Philadelphia, Pa.	1.0
3AM	Majer, Carl T.	Philadelphia, Pa. (portable station)	.5
3MR	Mandelkern, Maurice H.	2349 N. 15th St., Philadelphia, Pa.	.5
3TS	Mandeville, Francis T.	116 Church St., Boonton, N. J.	.5
3MH	Markham, Lester M.	5108 Baltimore Ave., Philadelphia, Pa.	.5
3ES	Martin, F. Linton	315 Radcliffe St., Bristol, Pa.	.5
3AHF	Martin, Justus L.	721 W. Fayette St., Baltimore, Md.	.5
3ASI	Marts, Harvey.	836 Central Ave., Ocean City, N. J.	.5
3ER	Maryland School of Telegra- phy.	Baltimore, Md.	1.0
2AIV	Mastin, Marion G.	1438 Meridian Pl. N.W., Washington, D. C.	.5
3NR	Maul, Gilbert F.	Chatham, N. J.	.5
3DO	Maxson, Donald L.	Kensington, Md.	.5
3ADS	McAllister, Louis F.	807 Asbury Ave., Ocean City, Md.	.5
3TU	McAally, Charles G.	1601 Lincoln Ave., Moore, Pa.	.5
3DJ	McCarter, William F.	4718 N. Camac St., Philadelphia, Pa.	.5
3JL	McCaskey, Edward R.	1029 Main St., Darby, Pa.	1.0
3AIS	McClaner, Wilson T.	3326 Van Kirk St., Wissinoming, Pa.	.5
3QO	McCloskey, J. Leonard	112 Broad St., Palmyra, N. J.	.5
3LZ	McCullough, Earl N.	125 N. Gross St., Philadelphia, Pa.	.5
3KV	McDowell, Albert P., Jr.	41 Carpenter Lane, Philadelphia, Pa.	.5
3PK	McGear, Herbert K.	3014 W. York St., Philadelphia, Pa.	.5
3SJ	McIntosh, Howard F.	4218 Thompson St., Philadelphia, Pa.	.5
3EY	McIntyre, Wm	Oak Lane, Pa.	.5
3AOD	McIver, Renwick S.	2036 O St. N.W., Washington, D. C.	.5
3KP	McKinley, Richard S., Jr.	218 Lansdowne St., Wayne, Pa.	.5
3ASG	McKnett, Robert R.	3147 W. Gordon St., Philadelphia, Pa.	.5
3ARS	McNair, William D.	1933 Biltmore St. N.W., Washington, D. C.	.5
3VR	McVicker, W. Patton.	112 Chester Pike, Norwood, Pa.	1.0
3ANT	Martin, George C.	1553 Ferry St., Easton, Pa.	1.0
3RK	Measlin, Harry B.	3903 Hawthorne Ave., Baltimore, Md.	1.0
3CL	Meck, Michael	1550 N. Allison St., Philadelphia, Pa.	.5
3MJ	Megowen, Horace J.	4511 N. 18th St., Philadelphia, Pa.	.5
3KW	Mehring, Charles J.	414 Rely St., Harrisburg, Pa.	.5
3NT	Melton, J. Carroll	422 Cambridge Crescent, Larchmont, Va.	1.0
3MG	Mervine, Watson M.	509 Laconey Ave., Palmyra, N. J.	.5
3RA	Messinger, Miles B.	309 N. Linden St., Bethlehem, Pa.	.5
3FD	Meyer, Emil J.	1919 Green St., Philadelphia, Pa.	.5
3ATL	Michael, Albert C.	550 Camp St., Harrisburg, Pa.	.5
3AGS	Michael, Albert.	Harrisburg, Pa.	1.0
3EO	Mill Mountain Incline (Inc.)	Roanoke, Va.	1.0

## AMATEUR RADIO STATIONS—Continued.

## THIRD DISTRICT—Continued.

## ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. Kw.
3AC	Miller, Alfred H.	6358 McCallum St., Philadelphia, Pa.	0.5
3TD	Miller, Harry G.	1526 2d Ave., York, Pa.	1.0
3GQ	Miller, Kelly, Jr.	430 College St., NW, Washington, D. C.	.5
3ANA	Miller, Martin V.	801 Oak Hill Ave., Hagerstown, Md.	.5
3AGN	Miller, Paul F.	38 S. 5th St., Easton, Pa.	.5
3ASA	Milner, Robert D.	3335 Tennyson St., NW, Washington, D. C.	.5
3ASN	Minnick, Otis.	42 Fairview Ave., Cumberland, Md.	.5
3AI	Mohr, Paul D.	537 Chestnut St., Fmaus, Pa.	1.0
3ANI	Montrose, Jack	5113 Viola St., Philadelphia, Pa.	.5
3OE	Mooney, John, jr.	Philadelphia, Pa. (portable station).	.5
3OM	Mooney, John, jr.	2903 Girard Ave., Philadelphia, Pa.	.5
3GG	Moor, Percy W.	6119 Ridge Ave., Philadelphia, Pa.	.5
3EK	Moore, Daniel D.	2308 N. Charles St., Baltimore, Md.	1.0
3CB	Moore, Earl T.	546 Stanbridge St., Norristown, Pa.	.5
3AKA	Moore, James P.	123 S. Massachusetts Ave., Atlantic City, N. J.	.5
3ATM	Morgan, Joseph, jr.	408 Tioga St., Johnstown, Pa.	1.0
3IO	Morgan, Joseph, jr.	314 W. Seymour St., Germantown, Pa.	.5
3NQ	Morley, Augustin H.	1008 McKean St., Philadelphia, Pa.	.5
3GS	Morris, George M.	1511 Hazzard Street, Philadelphia, Pa.	.5
3ML	Morris, Maynard C.	926 S. 58th St., Philadelphia, Pa.	.5
3AEM	Morris, William J., jr.	134 Prospect St., Trenton, N. J.	.5
3MY	Moyer, Edgar F.	561 Broad St., Emaus, Pa.	.5
3WD	Moyer, Luke I.	2021 N. Lambert St., Philadelphia, Pa.	.5
3OY	Muller, Ralph H.	2665 Douglass St., Philadelphia, Pa.	.5
3TG	Murphy, Clement H.	1838 N. Hope St., Baltimore, Md.	.5
3HS	Murray, Eugene M.	Grays Lane, Haverford, Pa.	1.0
3AGR	Musante, Augustine F. S.	118 S. Darlington St., West Chester, Pa.	.5
3GE	Nadig, Stanton F.	203 N. 4th St., Allentown, Pa.	.5
3MI	Naso, Clifford S.	3615 N. 19th St., Philadelphia, Pa.	.5
3CT	Nassau, James A.	1510 N. 18th St., Philadelphia, Pa.	.5
3AAN	Nichols, Verne.	512 Linden St., Bethlehem, Pa.	.5
3TI	Nichols, Crawford V.	218 Crawford St., Portsmouth, Va.	.5
3AGK	Nichols, Jack and William F.	Ambler, Pa.	.5
3HL	Nielsen, Harold, jr.	8751 Frankford Ave., Holmesburg, Pa.	.5
3EE	Nikirk, Thomas E.	Washington, D. C. (portable station)	.5
3VU	Nikirk, Thomas E.	411 12th St., SE, Washington, D. C.	.5
3AFP	Noble, Christopher	303 E. Graves Lane, Philadelphia, Pa.	.5
3KD	Noel, James F.	218 2d St. NE., Washington, D. C.	.5
3GO	Norcross, Earl L.	216 Roberts Ave., Glenside, Pa.	.5
3AOM	O'Brien, Francis J.	2226 N. Carlisle St., Philadelphia, Pa.	1.0
3ATP	Onens, Clarence E.	Paulsboro, N. J.	.5
3RJ	Oppermann, Richard	3746 N. 17th St., Philadelphia, Pa.	.5
3VZ	Orlando, Frank	1948 S. 11th St., Philadelphia, Pa.	.5
3WC	Ort, Otto V.	1212 Delaware Ave., Wilmington, Del.	1.0
3EG	Owen, A. Thomas	562 Stanbridge St., Norristown, Pa.	.5
3DM	Page, John C.	Friendship Heights, Md.	.5
3OK	Paine, James P.	525 South St., Portsmouth, Va.	.5
3CX	Parichy, Emery	2332 William St., Trenton, N. J.	.5
3NS	Parker, Joseph P.	808 3d St., Philadelphia, Pa.	.5
3OW	Patchel, Robert E.	532 S. 15th St., Philadelphia, Pa.	.5
3BY	Patterson, Edward B.	618 Park Ave., Pensauken, N. J.	.5
3KG	Patterson, John	2835 N. Ballew St., Philadelphia, Pa.	.5
3CG	Pauly, Robert.	204 N. New St., Nazareth, Pa.	.5
3IL	Pawson, James M.	336 W. Logan St., Philadelphia, Pa.	.5
3FL	Pearson, Roland D.	Frankford, N. J.	.5
3GI	Pelham, Fred B.	603 Howard Pl. NW, Washington, D. C.	.5
3PN	Pemberton, Henry R.	West School Lane, Philadelphia, Pa.	.5
3TO	Pent, Robert E.	305 Wyncote Rd., Jenkintown, Pa.	.5
3DB	Perry, Willard P., jr.	129 E. State St., Trenton, N. J.	1.0
3SF	Peter, Armistead, 3d	Tudor Pl. and 31st St. NW, Washington, D. C.	.5
3DA	Peterson, Raymond E.	6047 Allman St., Philadelphia, Pa.	1.0
3JB	Petit, Ernest L.	2344 McClellan St., Philadelphia, Pa.	.5
3UK	Peyser, Philip S.	3208 West Ave., Newport News, Va.	.5
3BT	Philadelphia School of Wireless Telegraphy.	Philadelphia, Pa. (portable station).	.5
3AT	Philadelphia School of Wireless Telegraphy.	Philadelphia, Pa. (portable station).	.5
3PW	Philadelphia School of Wireless Telegraphy.	117 Broad St., Philadelphia, Pa.	.5
3TX	Philadelphia Turngemeinde Club.	1705 Broad St., Philadelphia, Pa.	.5
3AHN	Phillips, Charles E.	629 Linwood Ave., Collingswood, N. J.	.5
3RM	Phillips, John D.	612 N. 2d St., Reading, Pa.	1.0
3AKR	Phillips, Raymond B.	400 W. 24th St., Wilmington, Del.	.5
3AFP	Phillips, William G.	140 Washington Ave., Collingswood, N. J.	.5
3MC	Pillsbury, Martin K.	Washington Market, Trenton, N. J.	1.0

AMATEUR RADIO STATIONS—Continued.

THIRD DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. Kw.
3TA	Piper, S. Webster	133 E. Antietam St., Hagerstown, Md.	1.0
3LD	Pisani, Sylvester	226 N. Calhoun St., Baltimore, Md.	.5
3HH	Place, Samuel W.	662 Stanbridge St., Norristown, Pa.	1.0
3MW	Poak, James L., jr.	325 Summit Ave., Jenkintown, Pa.	.5
3LV	Podenski, Paul	1602 Beulah St., Philadelphia, Pa.	.5
3SP	Polk, Charles P.	33 E. Walnut Ave., Merchantville, N. J.	.5
3AEL	Pollard, R. Spotswood	308 Elm Ave., Swarthmore, Pa.	.5
3QI	Poole, George D.	204 Chestnut Ave., Newport News, Va.	.5
3PF	Postpichal, Otto I.	1617 S. 16th St., Philadelphia, Pa.	.5
3AEO	Porrorff, Russell B.	110 N. Church St., Waynesboro, Pa.	1.0
3EH	Powell, Edwin L.	216 Spruce Ave., Takoma Park, Md.	.5
3JA	Presbrey, Victor E.	Vineland, N. J.	.5
3ADM	Prescott, Henry E.	407 N. Redfield St., Philadelphia, Pa.	.5
3KY	Preston, James E.	911 Oriental Ave., Collingswood, N. J.	.5
3EJ	Primrose, Donald L.	2314 St. Paul St., Baltimore, Md.	.5
3AHG	Proeschold, Harold V.	189 Everett Pl., Rutherford, N. J.	.5
3WR	Pyle, W. A. Faries	1273 Park Boulevard, Camden, N. J.	.5
3ADN	Quaintance, Leland C.	1507 Phelps Pl., Washington, D. C.	.5
3FE	Rabl, Samuel	419 3rd St., Baltimore, Md.	.5
3UO	Radio Apparatus Co. of America.	5347 Ellsworth St., Philadelphia, Pa.	.5
3ARK	Radio Association of Maryland.	Bancroft Rd., Arlington, Md.	1.0
3RN	Ramsey, Howard N.	96 W. Sharpnack St., Philadelphia, Pa.	.5
3VC	Rancetelli, Erani	1435 S. Broad St., Philadelphia, Pa.	.5
3NU	Ranft, William Q.	4107 Belle Ave., Baltimore, Md.	.5
3NG	Raser, Edward G.	931 Edgewood Ave., Trenton, N. J.	.5
3TM	Rash, Franklin L.	504 Claymont St., Wilmington, Del.	.5
3AOT	Ratcliffe, William E.	352 Brunswick Ave., Trenton, N. J.	.5
3AEP	Rau, James F.	2085 E. Kingston St., Philadelphia, Pa.	.5
3ARO	Rau, James F.	Island Heights, N. J.	.5
3RW	Redgrave, DeWitt C.	1505 Bolton St., Baltimore, Md.	.5
3ADH	Reed, Charles J., jr.	Sea Isle City, N. J.	1.0
3ADP	Reed, Richard M.	716 Main St., Riverton, N. J.	.5
3AKW	Reid, J. Garnett	706 Edgwood Ave., Richmond, Va.	.5
3EF	Reiff, W. Norman	916 Fayette St., Conshohocken, Pa.	1.0
3SA	Regua, Fred A.	1623 W. Pratt St., Baltimore, Md.	.5
3KU	Reynolds, Edwin L.	Bethesda, Md.	.5
3DK	Richardson, Thomas L.	Quarantine, Curtis Bay, Md.	.5
3BF	Richter, Harry A.	2733 N. Fairhill St., Philadelphia, Pa.	.5
3MQ	Ridgway, A. King	5 E. Melrose St., Chevy Chase, Md.	.5
3AFS	Rieger, George, jr.	Penllyn, Pa.	.5
3AFG	Rile, Joseph C.	Broad Axe, Pa.	1.0
3UH	Rivers, William L.	1439 17th St., Philadelphia, Pa.	.5
3KZ	Roberts, Harold A.	Berwyn, Pa.	1.0
3NV	Robey, V. C. K.	117 Commerce St., Rockville, Md.	1.0
3GX	Robinson, George C.	607 N. 10th St., Richmond, Va.	.5
3AAP	Roehm, John A.	666 Union St., Lancaster, Pa.	.5
3ADG	Roehm, Sewall	501 Upland Ave., Noble, Pa.	.5
3RR	Roiller, Harold C.	66 Chestnut St., Pottstown, Pa.	.5
3AOW	Roethlinger, Charles A.	431 W. Susquehanna Ave., Philadelphia, Pa.	.5
3CV	Rohrer, Harry B.	73 Decatur St., Cumberland, Md.	.5
3GB	Rohrich, George J.	Hvattsville, Md.	.5
3AIT	Roland, Penn R.	563 Haws Ave., Norristown, Pa.	.5
3MN	Rollins, Thomas E.	1732 S. 21st St., Philadelphia, Pa.	.5
3VV	Rose, Harold W.	St. Albans School, Washington, D. C.	.5
3VL	Rosenfeld, S.	321 Church St., Norfolk, Va.	.5
3UV	Ross, John W.	214 14th St., Norfolk, Va.	.5
3VP	Rothman, Charles	1837 Wilhelm St., Baltimore, Md.	.5
3AID	Rovins, Theodore	2021 N. 32d St., Philadelphia, Pa.	.5
3JP	Rowe, Charles R.	1308 Massachusetts Ave. SE., Washington, D. C.	.5
3AAS	Rudrow, Robert G.	6311 Dicks Ave., Philadelphia, Pa.	.5
3LE	Samaha, Edward F.	2 Oriental Pl., Atlantic City, N. J.	.5
3AMH	Sanders, Cecil W.	150 McCormick St., Clifton Forge, Va.	.5
3TK	Savage, Thomas A.	54 W. Willow Grove Ave., Philadelphia, Pa.	.5
3LL	Schaff, Merle B.	Riverton, N. J.	.5
3GW	Schaffer, Raymond C.	Limeport, Pa.	.5
3VO	Schall, John R.	1318 Turner St., Allentown, Pa.	.5
3AP	Scheetz, Edwin F.	Wyncote, Pa.	.5
3EW	Scheffey, Ralph B.	316 Lafayette St., Bristol, Pa.	.5
3AFW	Schimpf, Henry L.	5020 Newhall St., Philadelphia, Pa.	.5
3AIU	Schimpf, Henry L.	Philadelphia, Pa.	1.0
3PA	Schlichting, Edward N. E.	223 Andrew Ave., Wildwood, N. J.	.5
3AEG	Schmidt, G. Ambrose	1936 1st St. NW., Washington, D. C.	.5
3JK	Schnable, Stanley E.	346 Goepf St., Bethlehem, Pa.	1.0

## AMATEUR RADIO STATIONS—Continued.

## THIRD DISTRICT—Continued.

## ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. <i>Kw.</i>
3ANC	Schoble, Ralph T.	Wyncote, Pa.	0.5
3HN	Schuck, Leon H.	2441 N. 8th St., Philadelphia, Pa.	1.0
3UU	Schuck, Leon H.	Cape May, N. J.	1.0
3AIK	Schuller, Byron S.	28 S. Grant St., Waynesboro, Pa.	.5
3HQ	Schuller, Joseph T.	1329 Brown St., Philadelphia, Pa.	.5
3OU	Schwering, Harry C., jr.	1533 S. 16th St., Philadelphia, Pa.	.5
3SU	Seely, Alfred J.	241 N. Wilton St., Philadelphia, Pa.	.5
3VT	Seidenberg, Frank.	4219 Parrish St., Philadelphia, Pa.	.5
3GD	Sener, C. Edward, jr.	2706 24th St. NE., Washington, D. C.	.5
33QZ	Service, Charles A., jr.	Bala, Pa.	1.0
3AOH	Shaffer, Sylvester	1017 Warden St., Baltimore, Md.	.5
3WK	Shannon, Frank.	327 N. Wilton St., Philadelphia, Pa.	.5
3AIM	Sharp, Lewis W.	322 Morgan Ave., Palmyra, N. J.	.5
3ARA	Shaw, R. Russell	207 High St., Burlington, N. J.	.5
3HP	Sheetz, George F.	121 Oak St., Cumberland, Md.	.5
3RT	Sheiry, Edward S.	Friendship Heights, Md.	.5
3EU	Shelley, F. Cheston	116 W. 22d St., Baltimore, Md.	.5
3BJ	Sheriff, Leslie M.	925 Westminster St. NW., Washington, D. C.	.5
3ANG	Schermer, Frank C.	4963 Wakefield St., Philadelphia, Pa.	.5
3IB	Sherrill, Arthur M.	329 W. School Lane, Philadelphia, Pa.	.5
3AES	Sherwood, John R., jr.	Park Heights Ave., Baltimore, Md.	.5
3AOG	Shoemaker, Joseph L.	718 Edgewood Ave., Richmond, Va.	.5
3LF	Shreiner, Carl H.	37 E. James St., Lancaster, Pa.	.5
3IU	Silver, Paul B.	210 Lansdowne Ave., Philadelphia, Pa.	.5
3ANE	Silberberger, Fred E.	3406 N. 11th St., Philadelphia, Pa.	.5
3UD	Silvers, Frank H., jr.	430 Princeton Ave., Trenton, N. J.	.5
3FD	Simon, Walter	1234 Carroll St., Baltimore, Md.	.5
3ANW	Simons, Joseph M.	4553 Pulaski Ave., Philadelphia, Pa.	.5
3ADK	Sinkinson, William R.	2 11th St., Ocean City, N. J.	.5
3PD	Skiles, John D., jr.	438 N. Duke St., Lancaster, Pa.	.5
3NO	Skinner, William H.	117 Glenn Road, Ardmore, Pa.	.5
3BD	Sleath, Robert W.	305 Schuylkill Ave., Reading, Pa.	.5
3AIH	Smith, Alan P., 3d	18 E. Madison St., Baltimore, Md.	.5
3DQ	Smith, Alfred L.	28 Escher St., Trenton, N. J.	.5
3AKS	Smith, G. Victor	429 W. Hanover St., Trenton, N. J.	.5
3KA	Smith, Harry F.	247 E. Ross St., Lancaster, Pa.	1.0
3FH	Smith, Hulbert H.	518 N. 5th St., Philadelphia, Pa.	.5
3HG	Smith, Norborne G.	South Hill, Va.	1.0
3ASH	Smith, Sewall P.	Catonsville, Md.	.5
3JR	Smith, W. P.	5046 Haverford Ave., Philadelphia, Pa.	.5
3AE	Snyder, Edwin A., jr.	318 W. Logan St., Philadelphia, Pa.	.5
3IK	Snow, Harold A.	1656 Newton St. NW., Washington, D. C.	1.0
3AFE	Snyder, Edwin H., jr.	1767 Columbia Rd., Washington, D. C.	.5
3SG	Snyder, Harry H.	Cold Spring, N. J.	.5
3ANS	Somers, Lewis S., jr.	3554 N. Broad St., Philadelphia, Pa.	.5
3DII	Speakman, Edwin G., jr.	3014 Cambridge St. NW., Washington, D. C.	.5
3KI	Stacks, Thomas de A.	607 Reily St., Harrisburg, Pa.	.5
3BC	Stahl, Harry E., jr.	275 Bellevue Ave., Trenton, N. J.	.5
3HI	Stanley, John S.	Laurel, Md.	.5
3QA	Stephan, C. Chester	Laurel Springs, N. J.	.5
	Stapp, John W.	1122 Kenyon St. NW., Washington, D. C.	.5
	Stevens, Lewis D.	5224 Delancey St., Philadelphia, Pa.	.5
	Stewart Electric Co., Philadelphia. See Frank H. Stewart Electric Co.		
3AOF	Stiles, Ralph J.	510 Broad St., Cape May, N. J.	.5
3HK	Stockton, William	26 Main St., Flemington, N. J.	.5
3FW	Stokos, Josiah T.	15 W. Stiles Ave., Collingswood, N. J.	.5
3AON	Strailman, Gilbert T.	649 29th St., Newport News, Va.	.5
3IT	Strang, Harry L.	2020 1st St. NW., Washington, D. C.	.5
3QT	Striely, Malcolm	112 Rutgers Ave., Swarthmore, Pa.	.5
3QS	Stritzel, Alfred H.	Champion Apts., Atlantic City, N. J.	.5
3AAC	Stubbs, Thomas H.	427 W. Union St., West Chester, Pa.	.5
3ANH	Stumpter, Albert G.	Old Hartford R., Hamilton, Md.	.5
3AGL	Swartz, French V.	26 S. New Jersey Ave., Atlantic City, N. J.	.5
3GY	Swartzkopf, Walter K.	1551 S. 58th St., Philadelphia, Pa.	.5
3TH	Sweger, Monroe J.	6033 Reinhart St., Philadelphia, Pa.	.5
3OF	Swinney, Walter, jr.	815 N. Mount St., Baltimore, Md.	.5
3ASL	Tabb, Vincent W.	26 Court St., Portsmouth, Va.	.5
3QL	Talbot, George L.	506 14th St., Highlandtown, Md.	.5
3HE	Tallmadge, Richard H.	Chatham, N. J.	.5
3AEI	Tapley, Robert E.	Hampton Court, Norfolk, Va.	.5
3AFR	Taylor, Sidney L. M.	17 Winona Ave., Norwood, Pa.	.5
3EC	Thomas, David	200 Bethlehem Pike, Ambler, Pa.	.5
	Thomas, Fred S., jr.	1715 Christian St., Philadelphia, Pa.	.5
	Thomson, Henry A.	Primos, Pa.	.5

AMATEUR RADIO STATIONS—Continued.

THIRD DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. Kw.
3TF	Thorborg, Martin E.	230 Seymour St., Philadelphia, Pa.	.5
3OE	Titus, George E.	249 Mt. Hope Ave., Dover, N. J.	.5
3AHR	Tolbert, Warren B.	Philadelphia, Pa. (portable station)	.5
3IY	Tolbert, Warren B.	7037 Hegerman St., Philadelphia, Pa.	.5
3VF	Tompkins, E. Randolph.	526 9th Ave., Roanoke, Va.	.5
3AMW	Townsend, Lloyd.	26 N. Massachusetts Ave., Atlantic City, N. J.	.5
3AIP	Tranor, Harry W.	906 W. Park Sq., Moore, Pa.	.5
3AH	Treide, Carl L.	2402 E. Baltimore St., Baltimore, Md.	.5
3GK	Troth, Raymond H.	3350 N. 18th St., Philadelphia, Pa.	1.0
3AIY	Tuck, Wilbur A.	Point of Rocks, Md.	.5
3ATE	Tuttle, Norris.	Bryn Mawr, Pa.	.5
3RY	Turner, Morris C., jr.	2613 Maryland Ave., Baltimore, Md.	.5
3OZ	Twine, Roy W.	319 W. 28th St., Norfolk, Va.	.5
3QR	Underhill, Chester R.	Brightside Farm, Gullford, Md.	.5
3ASO	University of Pennsylvania.	Philadelphia, Pa.	.5
3DV	Uphoff, Frank B.	3649 York Rd., Philadelphia, Pa.	.5
3VQ	Uphoff, Frank B.	9318 Thorofare Ave., Margate City, N. J.	.5
3VW	Uphoff, Frank B.	Philadelphia, Pa. (portable station)	.5
3CE	Upman, Edgar A.	1823 W. Fayette St., Baltimore, Md.	.5
3CM	Van Horn, J. Clunn.	5127 Arch St., Philadelphia, Pa.	.5
3SB	Van Hulsteyn, J. M. C.	Cockeysville, Md.	.5
3QM	Varnes, Earl W.	8 Race St., Cambridge, Md.	.5
3TN	Venn, Silas N.	900 Vandever Ave., Wilmington, Del.	.5
3ATK	Viessman, Warren.	2711 Twoly Ave., Baltimore, Md.	.5
3AAY	Wagner, Laurence F.	6077 Allman St., Philadelphia, Pa.	.5
3KL	Wagner, William H.	121 Obold St., West Reading, Pa.	.5
3LW	Waite, John W.	2938 N. 3d St., Philadelphia, Pa.	.5
3ADW	Walker, Orville R.	134 S. 17th St., Allentown, Pa.	.5
3IR	Wallace, Lewis J.	2728 Poplar St., Philadelphia, Pa.	.5
3AIL	Wallace, M. Edgar.	38 Prospect St., Trenton, N. J.	.5
3RF	Wallace, William D.	2629 Edmondson Ave., Baltimore, Md.	.5
3NN	Wallen, Francis B.	405 Broadway, Camden, N. J.	.5
3AN	Walsh, Maurice L.	819 W. Lexington St., Baltimore, Md.	.5
3OR	Walker, Donald R.	552 Kohn St., Norristown, Pa.	.5
3AAW	Walthall, John H.	267 W. York St., Norfolk, Va.	.5
3NE	Walton, Brewer G.	New Garden, Pa.	.5
3HU	Walton, Brewer G.	1420 N. Bouvier St., Philadelphia, Pa.	.5
3FO	Watson, James B.	2412 S. Rosewood St., Philadelphia, Pa.	.5
3BV	Watson, Paul G.	211 W. Barnard St., West Chester, Pa.	.5
3VN	Ways, Clarence I.	10 Hanover St., Cumberland, Md.	1.0
3AG	Weant, Clarence H.	1546 Alsquith St., Baltimore, Md.	.5
3AFA	Weber, Charles W.	Abington, Pa.	.5
3AER	Weber, James N.	111 3d St., Millville, N. J.	.5
3AFT	Webster, Harold S.	3623 N. 16th St., Philadelphia, Pa.	.5
3AEH	Wedge, Franklin W.	126 Athens Ave., Ardmore, Pa.	.5
3OC	Wegner, Arthur H.	Livingston Heights, Va.	.5
3AAT	Wegner, Edwin.	117 Northampton St., South Bethlehem, Pa.	1.0
3AFM	Weidman, Marshall D.	Columbia, N. J.	.5
3ADP	Weigel, George H.	716 Main St., Riverton, N. J.	.5
3FC	Weik, Charles F.	7148 Vandyke St., Philadelphia, Pa.	.5
3AHR	Weik, Charles F.	Philadelphia, Pa. (portable station)	.5
3AGA	Welkel, John H.	900 Church St., North Wales, Pa.	.5
3LH	Weiss, Leonard.	4825 Woodland Ave., Philadelphia, Pa.	.5
3HF	Weiss, Simon.	815 S. 5th St., Camden, N. J.	.5
3OQ	Welke, Paul L.	39 S. Stricker St., Baltimore, Md.	.5
3AML	Wessells, Wilbert T.	Newark, Del.	.5
3AF	West, William M.	1407 N. Central Ave., Baltimore, Md.	.5
3AGD	Westlake, Harry T.	1922 N. Broad St., Philadelphia, Pa.	.5
3FI	Wever, John A.	238 S. Patterson Park Ave., Baltimore, Md.	1.0
3KQ	Wexler, Bernard.	431 Dickinson St., Philadelphia, Pa.	.5
3CZ	Wheatley, Douglas N.	405 N. 32d St., Philadelphia, Pa.	.5
3MV	Whitaker, Lorenzo D.	937 14th St. SE., Washington, D. C.	.5
3DG	White, Norman P.	19 General Greene Ave., Trenton, N. J.	.5
3EN	Whitney, Lucien S.	624 Quincy St. NW., Washington, D. C.	.5
3OX	Wick, Arthur.	2406 S. Percy St., Philadelphia, Pa.	.5
3NJ	Wicks, Preston S.	2206 Ruskin Ave., Baltimore, Md.	1.0
3ARO	Wight, Donald M.	1620 29th St., Washington, D. C.	.5
3SI	Williams, Harvey.	3523 N. 18th St., Philadelphia, Pa.	.5
3IP	Williamson, Charles M., jr.	Hampton, Va.	.5
3AKD	Williamson, Robert M.	4701 Pulaski Ave., Philadelphia, Pa.	.5
3BU	Wilson, Arthur J.	35 S. 45th St., Philadelphia, Pa.	.5
3AKO	Wilson, Roy.	30th and Locust Sts., Wilmington, Del.	.5
3IV	Wilson, Willard S.	705 Adams St., Wilmington, Del.	.5
3BZ	Winters, Ralph N.	404 Pearl St., Camden, N. J.	.5
3HA	Wiseman, Luther B.	330 W. St. NW., Washington, D. C.	.5
3BR	Witty, Gustav.	1608 W. Allegheny St., Philadelphia, Pa.	.5

AMATEUR RADIO STATIONS—Continued.

THIRD DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. Kw.
3WE	Wohlford, John F.	404 Elm Ave. SW., Roanoke, Va.	.5
3AAH	Wohlson, Richard	430 W. Orange St., Lancaster, Pa.	.5
3JD	Wolcott, Roger G.	224 41st St., Norfolk, Va.	.5
3BS	Wolf, William J.	2422 S. Iseminger St., Philadelphia, Pa.	.5
3GR	Wood, Richard M.	Keyworth Ave. and Park Heights, Baltimore, Md.	1.0
3WG	Worley, Robert A.	940 Carteret Ave., Trenton, N. J.	.5
3AGH	Wright, Ervin T.	58 Broad St., Salem, N. J.	.5
3AAZ	Wright, S. Joseph	924 Spruce St., Philadelphia, Pa.	.5
3AFL	Wynkoop, John E.	4316 Chestnut St., Philadelphia, Pa.	.5
3AIO	Wynkoop, John E.	Philadelphia, Pa. (portable station).	.5
3RS	Yearley, Clifton K.	Garrison and Fernhill Aves., Baltimore, Md.	.5
3WT	Young, Walter T.	521 Leibert St., Bethlehem, Pa.	.5
3AKF	Young Men's Christian Association (Central Branch).	1421 Arch St., Philadelphia, Pa.	.5
3HZ	Zabel, Leroy E.	100 Glenside Ave., Glenside, Pa.	.5
3IG	Zabel, Leroy E.	156 Lismore Ave., Glenside, Pa.	1.0
3NA	Zang, Joseph A., jr.	3701 Fairmount Ave., Philadelphia, Pa.	.5
3ATO	Zapp, Frederick A.	469 Rutherford St., Trenton, N. J.	.5
3AMR	Ziegler, Lewis D., 3d	5101 Pulaski Ave., Philadelphia, Pa.	.5
3ANP	Zimmerman, Harry F.	7 24th St., Wilmington, Del.	.5
3LS	Zito, Vincent.	213 N. Gay St., Baltimore, Md.	.5
3PB	Zorger, Daniel H.	409 Helker St., Harrisburg, Pa.	1.0

ALPHABETICALLY BY CALL SIGNALS.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
3AA	Ashmore, John W.	3ADT	Hastings, Harris.	3AGF	Barkley, J. A.
3AAB	Lansford, W. R.	3ADW	Walker, Orville R.	3AGH	Wright, Ervin T.
3AAC	Swartz, French V.	3AE	Snyder, Edwin H., jr.	3AGI	Beck, Rodney M.
3AAD	Longfellow, Charles F., jr.	3AEA	Craigie, Stuart M.	3AGK	Nichols, Jack and William F.
3AAE	Lesky, William.	3AED	Háslett, Harold D.	3AGL	Sweger, Monroe J.
3AAF	Brudnell, Norman.	3AEF	Beldelman, Harry A.	3AGN	Miller, Paul F.
3AAG	Carroll, Louis, jr.	3AEG	Schmidt, G. Ambrose.	3AGP	Blanford, Irving I.
3AAH	Wohlson, Richard.	3AEH	Knoll, Lloyd M.	3AGR	Musante, Augustine F.
3AAI	Blake, John M.	3AEI	Thomas, David.	3AGS	Michaels, A. G.
3AAJ	Blair, Drewry.	3AEK	Lewis, J. A.	3AGT	Gresh, Harold.
3AAK	Hopkins, James R.	3AEL	Pollard, R. Spottswood.	3AH	Treide, Carl L.
3AAL	Lewis, John B.	3AEM	Booz, W. N.	3AHA	Carlisle, John F.
3AAM	Russo, Ernest.	3AEN	Holstein, Hubert.	3AHE	Lazarus, Sanford B.
3AAN	Nicholls, Verne.	3AEO	Pottorf, Russell.	3AHF	Martin, Justus L.
3AAO	Klock, Victor J.	3AEP	Rau, James F.	3AHI	Giles, Larkin.
3AAP	Roehm, John.	3AER	Weber, James N.	3AHK	Houck, Harry W.
3AAR	Lum, Robert B.	3AES	Sherwood, John R., jr.	3AHM	Morris, W. J., jr.
3AAS	Rudrow, Robert.	3AET	Hornor, George E.	3AHN	Phillips, Charles E.
3AAT	Wegner, Edwin.	3AEW	Dicks, G. C.	3AHO	Dunn, John M.
3AAU	Faulstich, Chester W.	3AF	West, William M.	3AHP	Cesser, Page P. A.
3AAV	Bechler, Wm. C., jr.	3AFA	Weber, Charles W.	3AHR	Tollbert, Warren B. and Walk, Chas. F.
3AAW	Walthall, John H.	3AFD	Phillips, William G.	3AHS	Brown, Edwn H.
3AAX	Hicks, Thomas R.	3AFE	Somers, Lewis S., jr.	3AHT	Deavers, W. R.
3AAY	Wagner, Laurence E.	3AFG	Rile, Joseph C.	3AHW	Leigh, Walter S.
3AAZ	Wright, S. Joseph.	3AFH	Fliegel, William M.	3AI	Mohr, Paul D.
3AB	Carroll, Roy C.	3AFI	Backe, Louis M., jr.	3AIA	Cocklin, Foster W.
3AC	Miller, Alfred H.	3AFK	Lohr, Allen W.	3AIB	Atkinson, T. Howard.
3ADA	Bott, James M.	3AFL	Wynkoop, John E.	3AID	Rovins, Theodore.
3ADE	Layton, Howard H.	3AFM	Weidman, Marshall D.	3AIE	Kelm, Jonathan D.
3ADF	Harrall, Leonard B.	3AFN	Lippincott, Bertram.	3AIF	Gluck, Earle.
3ADG	Roehm, Sewall.	3AFO	Huddy, James J., jr.	3AIG	Hale, Charles W.
3ADH	Reed, Charles J., jr.	3AFP	Noble, Christopher.	3AIH	Smith, Alfred L.
3ADI	Imfeld, Fred H.	3AFR	Thomas, Fred S., jr.	3AIL	Wallace, M. Edgar.
3ADK	Skiles, John D., jr.	3AFS	Rieger, George, jr.	3AIM	Sharp, Lewis W.
3ADL	Ellis, Edmund K.	3AFT	Webster, Harold S.	3AIN	Liddell, Harry M.
3ADM	Prescott, Henry E.	3AFW	Schimpf, Henry L.	3AIO	Wynkoop, John E.
3ADN	Quaintance, Leland C.	3AGA	Weant, Clarence H.	3AIP	Tranor, Harry W.
3ADO	Coombs, John S.	3AGD	Weikel, J. H.	3AIR	Beaumont, Robert H.
3ADP	Reed & Weigel.	3AGE	Hemphill, William J., jr.	3AIS	McClanen, Wilson T.
3ADR	Endress, John.			3AIT	Roland, Penn B.
3ADS	McAllister, Louis E.				

AMATEUR RADIO STATIONS—Continued.

THIRD DISTRICT—Continued.

ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
3AIU	Schimpf, Henry L.	3ARA	Shaw, F. Russell.	3BQ	Eller, George O.
3AIV	Mastin, Marion G.	3ARD	Brautigam, H. G.	3BR	Witty, Gustav.
3AIW	Chadwick, Eric.	3ARE	Cullin, Ernest N.	3BS	Wolf, William J.
3AIY	Tuck, Wilbur A.	3ARF	Beck, Page M.	3BT	Philadelphia School of Wireless Telegraphy.
3AJ	Bausman, George H.	3ARG	Kelley, Ray F.	3BU	Wilson, Arthur J.
3AK	Duval, Edward B.	3ARH	Drexel Radio Club.	3BV	Watson, Paul G.
3AKA	Moore, James P.	3ARI	Gillen, John J.	3BW	Campbell, John W.
3AKD	Williamson, Robt. M.	3ARK	Radio Association of Maryland.	3BY	Patterson, Edward B.
3AKE	Enstin, L. R.	3ARL	Belt, William B.	3BZ	Winters, Ralph N.
3AKF	Central Y. M. C. A.	3ARM	Flumerfelt, E. C.	3CA	Adelberger, Adrian J.
3AKG	Basford, R. F.	3ARN	Hunt, H. Lester.	3CB	Moore, Earl T.
3AKH	Greenfield, R. H.	3ARO	Wight, Donald M.	3CC	Biddle, Howard L., jr.
3AKI	Eisenhard, Stanley E.	3ARP	Hunter, H. Clifford.	3CE	Upman, Edgar A.
3AKK	Goldstein, William.	3ARS	McNair, William D.	3CF	Laager, Creston F.
3AKM	Lewis, Max J.	3ART	Harvey, Walter E.	3CG	Pauly, Robert.
3AKN	Wilson, Roy.	3ARW	Beaston, Frank W., jr.	3CH	Ferris, Malcolm.
3AKP	Bargelt, R. L.	3AS	Stumptner, Albert G.	3CI	Cook, Howell E.
3AKR	Phillips, Raymond B.	3ASA	Milner, Robert D.	3CJ	Imfeld, Fred H.
3AKS	Smith, Harry F.	3ASD	Damon, L. R.	3CK	Baer, Francis M.
3AKT	Eisenhauser, Harry D.	3ASE	Channell, John W.	3CL	Coleman, Walter V.
3AKW	Reid, James G.	3ASF	Blaess, George.	3CM	Van Horn, J. Clunn.
3AL	Guenzel, Herman A.	3ASG	McKnett, Robert R.	3CN	Ashton, Leon W.
3AM	Majer, Carl T.	3ASH	Snape, Edwin A.	3CO	Campbell, James S.
3AMA	Fow, Oscar A.	3ASI	Marts, Harvey.	3CP	Bunting, George M., jr.
3AMD	Hart, Robert M.	3ASK	Jordan, P. A., jr.	3CQ	Finger, Russell W.
3AME	Ensor, John S.	3ASL	Tallmadge, R. H.	3CR	Ellis, William G.
3AMF	Beekman, Robert L.	3ASM	Britt, C. J.	3CS	Baker, Harold Z.
3AMG	Gains, G. A.	3ASN	Minnick, Otis.	3CT	Nassau, James A.
3AMH	Sanders, Cecil W.	3ASO	University of Pennsylvania.	3CU	Gauss, Harry W.
3AMI	Brimeshulls, Ralph.	3ASP	Lewis, John C., jr.	3CW	Lange, J. Robert.
3AMK	Abdell, George S.	3ASR	Hauf, Joseph C., jr.	3CX	Parchy, Emery.
3AML	Wessells, W. Thomas.	3AST	Brown, William.	3CY	Biser, Mark.
3AMN	Bakley, F. W.	3ASU	Blum, William.	3CZ	Wheatley, Douglas N.
3AMO	Linthicum, Robt. E.	3ASV	Lewis, J. Arthur.	3DA	Peterson, Raymond E.
3AMP	Holloway, Jack.	3ASW	Hammel, W. C.	3DB	Perry, Willard P., jr.
3AMR	Ziegler, Lewis D.	3AT	Philadelphia School of Wireless Telegraphy.	3DC	Bergen, Donald M.
3AMS	Brandt, Bruce C.	3ATA	Brubaker, John W.	3DD	Bailey, William J., jr.
3AMT	Brown, Raymond H.	3ATD	Heist, LeRoy E.	3DE	Chism, Thomas A.
3AMW	Townsend, Lloyd.	3ATE	Tuttle, Norris.	3DF	Brockway, Ladue M.
3AN	Walsh, Maurice L.	3ATF	Hodges, Thomas L.	3DG	White, Norman P.
3ANA	Miller, Marvin V.	3ATG	Gunmore, John F.	3DH	Stahl, Harry E., jr.
3ANC	Schoble, Ralph.	3ATH	George, John R.	3DI	Lowell, Percival D.
3AND	Casey, Howard.	3ATI	Bayne, C. A.	3DJ	McCarter, William F.
3ANE	Silberberger, Fred E.	3ATK	Viessman, Warren.	3DK	Richardson, Thomas L.
3ANF	Orler, G. M.	3ATL	Michael, Albert.	3DL	Kreis, William J.
3ANG	Shermer, F. C.	3ATM	Morgan, Joseph, jr.	3DM	Page, John C.
3ANEH	Swartzkopf, Walter K.	3ATN	Briscoe, James.	3DN	Beriolet, Benjamin.
3ANL	Chambers, Ivan F.	3ATO	Zapp, Fred A.	3DO	Maxson, Donald L.
3ANM	Bromley, George T., jr.	3ATP	Onens, Clarence E.	3DP	McDonald, Lester B.
3ANO	Henneberger, Hubert A.	3AU	Jewett, Richd. W. D.	3DQ	Smith, G. Victor.
3ANP	Zimmerman, Harry.	3AV	Gerns, William H., jr.	3DR	Eyster, James A.
3ANR	Sinkinson, Wm. R.	3AW	Ely, Harry S.	3DU	Louchheim, William S.
3ANS	Stacks, Thomas D.	3AX	Arner, Oscar Q.	3DV	Uphoff, Frank B.
3ANT	Martin, George C.	3AY	Gaskins, Richard W.	3DW	Hermanns, A. Walter.
3ANW	Burkhart, Horace C.	3AZ	Gillingham, George L., jr.	3DY	Lynn, Thomas H.
3AO	Collier, Wilbur H.	3BA	Carrington, Roland.	3DZ	Fisher, Roy S.
3AOD	McIver, Renwick S.	3BB	Kralovec, Dalibor.	3EB	La Salle College.
3AOE	Davis, Lewis V.	3BC	Stephen, C. Chester.	3EC	Thomson, Henry A.
3AOF	Stiles, Ralph J.	3BD	Smith, Alan P.	3ED	Legg, Albert A.
3AOG	Schoemaker, Joseph L.	3BE	Critchlow, P. Davey.	3EE	Nikirk, Thomas E.
3AOH	Shaffer, Sylvester.	3BF	Richter, Harry A.	3EF	Reiff, W. Norman.
3AOI	Coblentz, Phillip O.	3BG	Clark, Edwin T.	3EH	Powell, Edwin L.
3AOK	Kenyon, Walter R.	3BH	Flather, Bryan S.	3EI	Kümmler, Kelvin C.
3AOL	Kenast, J.	3BI	Feller, Frederick W.	3EJ	Primrose, Donald L.
3AOM	O'Brien, Francis J.	3BJ	Sheriff, Leslie M.	3EK	Moore, Daniel D.
3AON	Strang, Harry L.	3BK	Bryce, Stanley C.	3EL	Fricke, Henry W. L.
3AOP	Gilbert, C. W.	3BL	Beach, Harry L.	3EM	Heyser, Wilbur A.
3AOR	Lister, R. W.	3BM	Allen, George Y.		
3AOT	Ratcliffe, W. E.	3BO	Brady, John B.		
3AOW	Roethlinger, Chas. H.	3BP	Blackwood, George C.		
3AP	Scheetz, Edwin F.				
3AQ	Hoad, Harold O.				
3AR	Gilpin, Levering H.				



## AMATEUR RADIO STATIONS—Continued.

## THIRD DISTRICT—Continued.

## ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
3EN	Whitney, Lucien S.	3IA	Mahlmeister, E. J., jr.	3LI	Heck, Lewis O.
3EO	Bookins, John M., jr.	3IB	Sherrill, Arthur M.	3LJ	Anderson, Joseph L.
3EP	Kennedy, Joseph H.	3IC	Dingee, Alex. L. M.	3LK	Schaff, Merle S.
3EQ	MacKendrick, Robert G.	3ID	Hasenbus, Joseph F.	3LM	Hermandez, Roger B.
3ES	Martin, E. Linton.	3IF	Godfrey, Earle.	3LN	Doyle, John E.
3ET	Alber, Robert C.	3IG	Zabel, Roy E.	3LO	Godfrey, Clarence M.
3EU	Shelley, F. Cheston.	3IH	Eisele, Edward, jr.	3LP	Densham, Harry W.
3EV	Brannan, Julian L.	3II	Gleisner, Francis W.	3LQ	Birch, Stanford S.
3EX	Gray, K. F.	3IJ	Stockton, William.	3LR	Zito, Vincent.
3EY	McIntyre, William.	3IK	Snyder, Harry H.	3LT	Dunbar, Lewis T.
		3IL	Pawson, James M.	3LU	Ellis, J. Elton.
3FA	Davis, Edwin L.	3IM	Behan, Arthur R.	3LV	Pademshki, Paul.
3FB	Darby, George B., jr.	3IO	Morgan, Joseph.	3LW	Waite, John W.
3FC	Weik, Charles F.	3IP	Williamson, Charles M., jr.	3LX	Geiglein, Henry S.
3FD	Simon, Walter.	3IQ	Knoll, Lloyd M.	3LY	Harris, William J.
3FF	Dempster, Warren J.	3IS	Hartley, Milton E.	3LZ	McCullough, Earl N.
3FG	Godfrey, James M.	3IT	Stritzel, Alfred H.	3MA	Bacon, Harry.
3FH	Smith, Sewell P.	3IU	Silver, Paul.	3MC	Pillsbury, Martin K.
3FI	Wever, John A.	3IV	Fisher, John.	3MD	Dulany, Franklin R.
3FJ	Knowles, Edward P., jr.	3IX	Field, Harry P.	3ME	Lamdin, Charles R.
		3IY	Tolbert, Warren B.	3MF	Hitchner, Clyde G.
3FL	Pearson, Roland D.			3MG	Mervine, Watson M.
3FM	Channell, John W.	3JA	Presbrey, Victor.	3MH	Markham, Lester M.
3FN	Delchmiller, Alvin.	3JB	Petit, Ernest L.	3MI	Nash, Clifford S.
3FQ	Clark, William R.	3JC	Ault, Arthur K.	3MJ	Megowen, Horace L.
3FR	Dansten, E. Craig.	3JD	Wolcott, Roger G.	3MK	Grison, Samuel B.
3FT	Biscloft, Bernard J.	3JE	Dickerson, E. Stuart, jr.	3ML	Morris, Maynard C.
3FV	Edwards, Charles.			3MM	King, Albert.
3FW	Strallman, Gilbert T.	3JF	Apelbaum, Martin.	3MN	Rollins, Thomas F.
3FY	Devlin, John L.	3JH	Brockman, Francis C.	3MO	Bickel, E. Clifton.
		3JK	Schnable, Stanley E.	3MP	Cohen, Henry.
3GA	Dietz, Fred.	3JL	McCaskey, Edward R.	3MQ	Ridgway, Augustin K.
3GB	Rohrich, George J.	3JN	Frankenfeld, Albert L.	3MR	Mandelkern, Maurice.
3GD	Sener, Charles E., jr.			3MS	Barnhart, Lawrence W.
3GE	Nadig, Stanton E.	3JP	Rowe, Charles R.	3MT	Gardner, William.
3GF	Bryce, Stanley C.	3JR	Snow, Harold A.	3MU	Baily, William J., jr.
3GG	Moor, Percy W.	3JS	Beekley, Francis S.	3MV	Whitaker, Lorenzo D.
3GI	Felham, Fred B.	3JT	Hampson, George M.	3MW	Poak, James L., jr.
3GJ	Doughty, William R.	3JU	Fenimore, Robert S.	3MY	Moyer, Edgar F.
3GK	Troth, Raymond H.	3JV	Gardner, J. A.	3MZ	Jodry, Ray S.
3GL	Meck, Michael.	3JX	Hoagland, Donald.		
3GN	Board of Public Education.	3JY	Hann, Charles B.	3NA	Zang, Joseph R., jr.
		3JZ	Goodling, D. H.	3NB	Frye, Marcus, jr.
3GO	Norcross, Earl L.			3NC	Dalling, Howard.
3GP	Hettinger, Alfred C.	3KA	Smith, Norborne G.	3ND	Wirst, Arthur C.
3GQ	Miller, Kelly.	3KB	Goodall, Alfred B.	3NE	Walton, Brewer G.
3GR	Wood, Richard M.	3KC	Flynn, Thomas F.	3NF	Gaskill, William W.
3GS	Morris, George M.	3KD	Noel, James F.	3NG	Raser, Edward G.
3GU	Hopkins, Robert E.	3KE	Burbaker, John W.	3NH	Riefreund, Max A.
3GV	Leber, Joseph M.	3KF	Green, Anthony J.	3NI	Bell, Albert A., jr.
3GW	Schafer, Raymond C. H.	3KG	Patterson, John E.	3NJ	Wicks, Preston S.
		3KH	Don Bosco Institute.	3NK	Godfrey, Howard L.
3GX	Robinson, George C.	3KI	Stanley, John S.	3NL	Behm, L. F. F.
3GY	Swinney, Walter, jr.	3KJ	Hofmann, George A.	3NM	Haldeman, George E.
3GZ	Backe, Louis M., jr.	3KL	Wagner, William H.	3NN	Wallon, Francis B.
		3KM	Gray, Gerald.	3NO	Sleath, Robert W.
3HA	Wiseman, Luther B.	3KN	Darr, Richard H.	3NP	Jones, La Frantz.
3HB	Taylor, Sidney L. M.	3KO	Chalmers, Edwina L.	3NQ	Morley, Augustin H.
3HC	Green, Daniel J.	3KP	McKinley, Richard S., jr.	3NR	Maul, Gilbert E.
3HD	Haake, William F.			3NS	Parker, Joseph P.
3HF	Weiss, Simon.	3KQ	Wexler, Bernard.	3NT	Melton, J. Carroll.
3HG	Smith, W. P.	3KR	Anderson, Richard J.	3NU	Raift, William Q.
3HH	Place, Samuel W.	3KS	Bernhart, William.	3NV	Robey, V. C. K.
3HI	Stapp, John W.	3KT	Elder, L. W.	3NW	Burke, Thomas J.
3HJ	Bradley, Horace E.	3KU	Reynolds, Edwin J.	3NX	Heintzelman, Walter.
3HK	Stokes, Josiah T.	3KW	Mehring, Charles T.	3NY	Lutz, J. M.
3HL	Nielsen, Harald, jr.	3KX	Knight, G. Webber, jr.	3NZ	Brainin, Manlif L.
3HM	Schuck, Leon H.				
3HP	Sheetz, George F.	3KZ	Roberts, Harold A.		
3HR	Harmer, Robert H.			3OA	Lentz, Arthur.
3HS	Murray, Eugene M.	3LA	Levin, Davis.	3OB	Kennedy, Ignatius L.
3HT	Falkenberg, August E.	3LB	Iddings, Frederick T.	3OC	Wegner, Arthur H.
		3LC	Jones, Winters.	3OD	Hak, Leroy.
3HU	Walton, Brewer G.	3LD	Pisani, Sylvester.	3OE	Mooney, John, jr.
3HV	Leibhart, John H.	3LE	Samaha, Frank.	3OF	Talbot, George L.
3HW	Bidwell, George L.	3LF	Shreffner, Carl H.	3OG	Jones, John W.
3HY	Derr, Francis S.	3LG	Lyons, Harry H.	3OH	Urian, J. D.
3HZ	Zabel, Roy.	3LH	Weiss, Leonard.		

AMATEUR RADIO STATIONS—Continued.

THIRD DISTRICT—Continued.

ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
30I	Lehmberg, Henry.	3RD	Dimling, Rudolph G.	3UA	Gilbert, Harry P., Jr.
30J	Barron, John H., jr.	3RE	A.	3UB	Lamb, Roland H.
30K	Paine, J. Persons, jr.	3RF	Longaker, A.	3UD	Silvers, Frank H.
30L	Grant, Arthur F.	3RH	Wallace, William D.	3UE	Lindauer, Edgar.
30M	Mooney, John, jr.	3RI	Kline, H. N. Gay.	3UF	Howlett, Joseph T. F.
30N	Matco, Walter A.	3RJ	Hodges, R. E. L.	3UG	Dearden, Rowland
30O	Hindin, Louis N.	3RK	Oppermann, Richard.		R., 3d.
30P	Fink, Louis, 3d.	3RL	Mecasin, Harry B.	3UH	Rivers, William L.
30Q	Walke, Paul L., jr.	3RM	Phillips, John D.	3UI	George, John R.
30R	Walker, Donald K.	3RN	Ramsey, Howard N.	3UJ	Campbell; James D.
30S	Lafferty, Francis A.	3RO	Gravely, William T.	3UK	Peyser, Philip S.
30T	Faust, Elmer J.	3RP	Kirby, Elmer S.	3UM	Durham, Edmund B.
30U	Schwerling, Harry C., jr.	3RQ	Haas, Jerome S.	3UN	Carpenter, C. Ellwood, jr.
30V	Jacoby, Arthur C.	3RR	Roeller, Harold C.	3UR	Cohan, William W.
30W	Patchel, Robert E.	3RS	Yearley, Clifton K.	3UT	Cianfrani, Theodore.
30X	Wick, Arthur.	3RT	Shelry, Edward S.	3UV	Ross, John W.
30Y	Muller, Ralph H.	3RU	Hoff, J. Marshall.	3UW	Call, J. Richard.
30Z	Twine, Roy.	3RV	Hammill, McClintock, jr.	3UX	Bradwood, Thomas W.
3PA	Schlichting, E. N. E.	3RW	Redgrave, deWitt C.	3VA	Durham, Wilson N.
3PB	Zogger, Daniel H., jr.	3RX	Buskey, Harvey L.	3VB	Butt, Harvey R.
3PD	Meyer, Emil J.	3RY	Turner, Morris C., jr.	3VC	Rancetelli, Ernani.
3PE	Allen, John P.	3RZ	Barrett, Montague W.	3VE	Brenner, Samuel.
3PF	Postpichal, Otto I.			3VF	Tompkins, E. Randolph.
3PG	Dorsey, Arthur.	3SA	Reus, Fred A.	3VG	Applegate, Franklin.
3PH	Harris, Edwin R.	3SC	Ecton, Albert F.	3VH	Ancona, Fred.
3PI	Atlee, Franklin.	3SD	Cheltenham High School.	3VI	Egner, John.
3PJ	Harris, S. Sylvan.	3SE	Peter, Armistead, 3d.	3VK	Griffith, Dorsey J.
3PK	McGear, Herbert K.	3SG	Speakman, Edwin G., jr.	3VL	Bernstein & Rosenfeld.
3PL	Ballentine, Charles S.	3SH	Kenyon, Walter R.	3VN	Ways, Clarence I.
3PN	Pemberton, Henry R.	3SI	Williams, Harvey.	3VO	Schall, John R.
3PP	Skinner, William H.	3SJ	McIntosh, Howard.	3VP	Rothman, Charles.
3PR	Hamburg, Russell.	3SK	Baxley, C. Herbert.	3VQ	Uphoff, Frank B.
3PT	Cresager, E. Clark.	3SL	Knoppel, Herman L.	3VR	McVicker, W. Pat-ton.
3PU	Smith, Hubert B.	3SN	Bourgeois, Edmund R.	3VU	Nikirk, Thomas E.
3PV	Hiestand, Benjamin.	3SO	Bradshaw, R. B.	3VV	Rose, Harold M.
3PW	Philadelphia School of Wireless Telegraphy.	3SQ	Kupp, Clarence L.	3VW	Uphoff, Frank B.
3PX	Howard, H. Trumbull.	3SR	Anderson, John A.	3VX	Flounders, Newton.
3PY	Bergey, H. Leon.	3SS	Brany, Emil B.	3VY	Beresford, Rees H.
3PZ	Griffith, Elmer G.	3ST	Chappell, Ralph R.	3VZ	Orlando, Frank.
3QA	Stevens, Lewis D.	3SU	Seeley, Alfred J.		
3QB	Derbyshire, A. gnew W.	3SV	King, Charles E.	3WC	Ort, O. V.
3QC	Lever, Haseltine S., jr.	3SW	Barnard, Julian W.	3WD	Moyer, Luke I.
3QD	Anderson, Frederick J.	3SX	Gleske, Alfred W., jr.	3WE	Wohlford, John F.
3QE	Long, P. H.	3SY	Barretta, Valroy S.	3WF	Huyler, Rollin M.
3QF	Haig, James D.	3SZ	Herdon, Landon C.	3WG	Worley, Robert A.
3QG	Landis, Harold O.	3TA	Piper, S. Webster.	3WH	Berkeley, Kenneth H.
3QI	Poole, G. D.	3TB	Judson, Elbert B.	3WI	Darnell, Henry, jr.
3QJ	Adams, Leslie H.	3TC	Landis, Harry.	3WJ	Alden, John H.
3QL	Tapley, Robert E.	3TD	Miller, Harry G.	3WK	Shannon, Frank.
3QM	Varnes, Earl W.	3TE	Huyette, Paul B.	3WL	Davis, Raymond.
3QN	Atlee, Charles B.	3TF	Thorborg, Martin E.	3WM	Cloman, William.
3QO	McCloskey, Leonard.	3TG	Murphy, Clement H.	3WN	Gaty, John P.
3QP	Fulton, Harold E.	3TH	Tabb, Vincent W.	3WO	Goodwin, Harold F.
3QQ	Cassady, Park H.	3TI	Nichols, Crawford V.	3WP	Cox, T. Newell.
3QT	Bayard, Arnold.	3TJ	Edson, Howard D.	3WQ	Lower Marion High School.
3QU	Deichmann, George L., jr.	3TK	Savage, Thomas A.		
3QV	Hall, Robert S.	3TL	Bowes, Joseph J.	3WR	Pyle, W. A. Farles.
3QW	Harsch, Lawrence P.	3TM	Rash, Franklin L.	3WT	Young, Walter T.
3QX	Barrington, Roger W.	3TP	Brittingham, Otis B.	3WU	Kressel, Gordon.
3QY	Stewart Electric Co.	3TQ	Andrews, Edward C.	3WV	Becker, Frank F.
3QZ	Service, Charles A., jr.	3TR	Fell, David B.	3WW	Keller, Paul A.
3RA	Messinger, Miles N.	3TS	Mandeville, Francis T.	3WX	Goebel, Eugene S.
3RB	Lewis, Ellis, jr.	3TU	McAnally, Charles C.	3WY	Basford, Robert F.
3RC	Fenton, Edward T.	3TV	Blanford, Irving.	3WZ	Keller, Kenneth W.
		3TW	Leslie, Malcolm C.		
		3TX	Philadelphia Turn-gemeinschaft Club.		
		3TY	Krone, Julian E.		

## AMATEUR RADIO STATIONS—Continued.

## FOURTH DISTRICT.

[Headquarters: Customhouse, Savannah, Ga. The fourth district comprises the States of North Carolina, South Carolina, Georgia, Florida, and the Territory of Porto Rico.]

## ALPHABETICALLY BY OWNERS OF STATIONS.

Call signal.	Owner of station.	Location of station.	Power. Kw.
4AN	Agnew, Robert D.	219 E. Anderson St., Savannah, Ga.	0.5
4CU	Allen, Glenn L.	St. Petersburg, Fla.	.5
4CB	Allston, William F.	8 Colonial St., Charleston, S. C.	.5
4CZ	Ashley, Robert C.	738 4th Ave., N., St. Petersburg, Fla.	1.0
4DJ	Atkins, Charles A.	27 Candler St., Atlanta, Ga.	.5
4BA	Avant, Marion C.	806 N. 4th St., Wilmington, N. C.	.5
4BZ	Barber, Edward D.	203 St. Andrews St., Dothan, Ala.	.5
4DX	Benning, Broughton W.	50 Whiteford Ave., Atlanta, Ga.	.5
4CQ	Blankenship, Elliott E.	803 W. Monroe St., Jacksonville, Fla.	.5
4DR	Brantley, Lewis B.	534 5th St. N., St. Petersburg, Fla.	.5
4CX	Breck, Charles	50 Logan Ave., Atlanta, Ga.	.5
4CC	Breden, Henry W.	1304 Myrtle Ave., Jacksonville, Fla.	1.0
4BQ	Bryan, E. Harry	343 Rowland Court, St. Petersburg, Fla.	.5
4CS	Buck, C. Howard	St. Petersburg, Fla.	.5
4CI	Carr, John M.	821 1st Ave., N., St. Petersburg, Fla.	.5
4DH	Church, Archie W.	196 Chappel St., Atlanta, Ga.	1.0
4CK	Clodfelter, Charles W.	41 S. Pleasant St., Winston-Salem, N. C.	1.0
4DU	Coloney, Paul R.	1404 Braden St., Bradentown, Fla.	.5
4DT	Cole, Edwin A.	806 South Dakota St., Tampa, Fla.	.5
4CE	Conn, Albert L.	75 4th Ave., N., St. Petersburg, Fla.	.5
4CY	Cooper, Frank P.	717 S. Edison St., Tampa, Fla.	.5
4BN	Cross, K. E.	Port Tampa, Fla.	.5
4BF	Dane, Seymour	1440 13th St., Miami, Fla.	.5
4AE	Davis, Loren V.	St. Petersburg, Fla.	.5
4AM	de Vore, Ross Allen	10 Essie St., Atlanta, Ga.	.5
4ED	Dobbins, Walter E.	230 Ponce de Leon Ave., Atlanta, Ga.	.5
4AZ	Dunk, Thomas R.	1424 Laura St., Jacksonville, Fla.	1.0
4DS	Edwards, W. Leroy	32 Prospect Pl., Atlanta, Ga.	.5
4CD	Elston, Esmond B.	227 5th St., S., St. Petersburg, Fla.	.5
4DD	Emory University	Oxford, Ga.	1.0
4CN	Falks, Robert L.	87 Mary St., Waycross, Ga.	.5
4EB	Farrey, Owen J.	Nazareth, N. C.	.5
4AJ	Featherston, Joe A.	Honea Path, S. C.	1.0
4DL	Flowers, Robert B.	296 Rawson St., Atlanta, Ga.	.5
4DA	Fogarty, John J.	707 Azeele St., Tampa, Fla.	1.0
4CM	French, William A., 3d.	107 S. 4th St., Wilmington, N. C.	.5
4DM	Gerlach, Harry J.	22 Ormewood Ave., Atlanta, Ga.	1.0
4AI	Gibson, Isaac A., jr.	403 E. Bolton St., Savannah, Ga.	.5
4AX	Gordon, Clarence M.	Palmer College, De Funiak Springs, Fla.	1.0
4CP	Guimaraes, Abilio S.	298 Highland Ave., Atlanta, Ga.	.5
4AT	Hall, Marvin S.	687 N. Boulevard, Atlanta, Ga.	.5
4BR	Hamilton, George H.	209 W. Gordon St., Savannah, Ga.	.5
4DG	Hawkins, Marion	14 Richmond Ave., Atlanta, Ga.	1.0
4DN	Hege, William C.	1007 Patterson Ave., Winston-Salem, N. C.	1.0
4BS	Henshaw, Howard	Miami, Fla.	.5
4CG	Holtzclaw, Ralph C.	Roseland, Fla.	.5
4CO	Howald, George A.	Decatur, Ga.	.5
4EA	Huggins, William C.	7 S. 4th St., Wilmington, N. C.	.5
4AF	Humphrey, Arthur L.	1105 Market St., Wilmington, N. C.	.5
4BI	James, F. Leslie	211 Lee St., Tampa, Fla.	.5
4DF	Johnstone, Henry P.	106 S. Edison Ave., Tampa, Fla.	.5
4CF	Keen, David W.	117 5th St., St. Petersburg, Fla.	.5
4CR	Kelger, J. Lee	1140 Balsley St., Winston-Salem, N. C.	.5
4BI	Kreis, Joseph W., jr.	655 S. Pryor St., Atlanta, Ga.	.5
4AL	Kruger, Charles E.	11 Bates Ave., Kirkwood, Ga.	.5
4BR	Leonard, Rudolph	209 W. Gordon St., Savannah, Ga.	.5
4DB	Lesley, John L.	114 Hyde Park Pl., Tampa, Fla.	.5
4EF	Linville, Roy R.	646 13th St., Winston-Salem, N. C.	.5
4AS	Marmelstein, Charles A.	1319 Barnard St., Savannah, Ga.	.5
4AG	Marsh, William A.	R. F. D. No. 1, Miami, Fla.	.5
4BL	Matheson, Hugh M.	Key Biscayne, Fla.	.5
4AU	Matheson, Hugh M.	Cocoanut Grove, Fla.	.5
4CT	McIlvaine, Victor C.	208 Verne St., Tampa, Fla.	.5
4BO	Megee, Benjamin R.	63 Mansfield St., Atlanta, Ga.	1.0
4AB	Meltaer, Isidor	627 Margaret St., Key West, Fla.	.5
4CL	Merriam, Francis F.	College Park, Ga.	.5
4DE	Moore, Thomas H., jr.	321 N. Spring St., Pensacola, Fla.	.5
4CJ	Morgan, Sidney S.	1821 W. Broad St., Savannah, Ga.	.5
4DV	Nelson, Wayne M.	Kernersville, N. C.	.5
4BW	Newell, William F.	828 Fifth Ave., N., St. Petersburg, Fla.	.5
4DK	Patterson, Clifford F.	508 Vine St., Atlanta, Ga.	1.0
4DC	Peer, Emmitt E.	419 Duval St., Jacksonville, Fla.	1.0
4BD	Pinkston, Jeter, jr.	107 Gordon St., Valdosta, Ga.	1.0

AMATEUR RADIO STATIONS—Continued.

FOURTH DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
4AA	Pope, Wilbur B.	197 Dearing St., Athens, Ga.	<i>Kw.</i> 1.0
4BT	Powell, Dwight E.	715 E. Washington St., Orlando, Fla.	.5
4DY	Raffo, James H.	Bay Shore Blvd., Tampa, Fla.	.5
4AC	Rice, Elmer L.	1702 E. Duval St., Jacksonville, Fla.	1.0
4DI	Rothrock, William S.	517 Ridge Ave., Winston-Salem, N. C.	1.0
4BV	Saeger, Raymond A.	Ankona, Fla.	.5
4AY	Sanders, Tye C.	219 Woodward Ave., Atlanta, Ga.	1.0
4BU	Santas, Vern F.	156 N. 2d St., St. Petersburg, Fla.	.5
4CA	Shahan, J. Hubert.	315 W. 5th St., Rome, Ga.	1.0
4EC	Shumate, John R., jr.	600 Clay St., Thomasville, Ga.	1.0
4BK	Simons, Mayrant.	Summerville, S. C.	1.0
4CH	Smith, Ivy H.	Covington, Ga.	.5
4AO	Smoot, Lloyd D.	1443 Laura St., Jacksonville, Fla.	1.0
4DO	Stalnaker, Leo.	6th Ave. and 33d St., Tampa, Fla.	.5
4DZ	Stone, Hester A.	Lockhart, Fla.	.5
4EE	Stubbs, William F.	109 E. Gwinnett St., Savannah, Ga.	.5
4AR	Summers, C. H., jr.	501 E. Main St., Gainesville, Fla.	.5
4DW	Swinson, Alton H.	Little River, Fla.	.5
4DQ	Tabb, Vincent W.	A. and M. College, West Raleigh, N. C.	1.0
4CW	Taft, Robert B.	105 Rutledge Ave., Charleston, S. C.	.5
4AD	Walker, James E.	Milledgeville, Ga.	1.0
4AW	Wall, Patrick H.	253 Plant Ave., Tampa, Fla.	1.0
4DP	Warner, George C.	609 Swann Ave., Tampa, Fla.	1.0
4BG	Watkins, C. E.	Fort Pierce, Fla.	1.0
4AQ	West End Wireless Club.	105 Lawton St., Atlanta, Ga.	.5
4BP	Whitaker, A. Klein.	210 Stanton St., Bradentown, Fla.	.5
4AK	Whiting, Charles T.	R. F. D. No. 6, Gainesville, Fla.	1.0
4AP	Whittaker, Alan D., jr.	221 E. 10th St., Atlanta, Ga.	1.0
4BH	Wikle, James R.	619 S. Pryor St., Atlanta, Ga.	.5
4BM	Williams, Emory C.	Kirdwood, Ga.	1.0

ALPHABETICALLY BY CALL SIGNALS.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
4AA	Pope, Wilbur B.	4BP	Whitaker, A. Klein.	4DD	Emory University.
4AD	Walker, James E.	4BQ	Bryan, E. H.	4DE	Moore, Thomas H., jr.
4AE	Davis, Loren V.	4BR	Hamilton, Geo., and Leonard, Rudolph.	4DF	Johnstone, Harry.
4AF	Humphrey, Arthur L.	4BS	Henshaw, H.	4DG	Hawkins, Marion.
4AG	West End Wireless Club.	4BT	Powell, Dwight E.	4DH	Church, A. W.
4AH	Funk, Arthur.	4BU	Santas, Verne F.	4DI	Rothrock, William S.
4AI	Gibson, Isaac A., jr.	4BV	Saeger, Raymond.	4DJ	Atkins, C. A.
4AM	De Vore, Ross A.	4BW	Newell, William F.	4DK	Patterson, Clifford F.
4AN	Agnew, Robert D.	4BY	Herzog, M. A.	4DL	Flowers, Robert B.
4AP	Whittaker, Alan D., jr.	4BZ	Barber, Edward D.	4DM	Gerlach, H. J.
4AQ	Marsh, William A.	4CA	Shahan, J. H.	4DN	Hege, William C.
4AR	Summers, C. H., jr.	4CB	Allston, William F.	4DO	Stalnaker Brothers.
4AS	Marmelstein, Chas. A., jr.	4CC	Bredon, Henry.	4DP	Warner, George C., jr.
4AT	Hall, M. Sheppard.	4CD	Elston, E. B.	4DQ	Tabb, Vincent W.
4AU	Matheson, Hugh M.	4CE	Conn, Albert L.	4DR	Brantley, Lewis.
4AX	Gordon, Clarence M.	4CF	Keen, David.	4DS	Edwards, Le Roy.
4AY	Sanders, Tye C.	4CG	Holtzels, Ralph C.	4DT	Cole, E. A., jr.
4BA	Avant, M. C.	4CH	Smith, I. H.	4DU	Coloney, Paul R.
4BC	Franklin, William.	4CI	Carr, J. M.	4DV	Nelson, Wayne M.
4BD	Pinkston, J. W., jr.	4CK	Clodfelter, C. U.	4DW	Swinson, Harold.
4BF	Dane, Seymour.	4CL	Merriam, F. F.	4DX	Benning, B. W.
4BG	Watkins, C. E.	4CN	Folks, Robert L.	4DY	Raffo, James.
4BH	Wikle, James.	4CW	Taft, R.	4DZ	Stone, Hector A.
4BI	James, F. Leslie.	4CX	Breck, Charles.	4EA	Huggins, William C.
4BK	Simons, Mayrant.	4CY	Cooper, E. P.	4EB	Farey, Owen J.
4BL	Matheson, Hugh M.	4CZ	Asnley, Robert C.	4EC	Shumate, J. R., jr.
4BM	Williams, Emory C.	4DA	Fogarty, John J.	4ED	Dobbius, W. E., jr.
4BO	Megee, B. R.	4DB	Lesley, J. Livingston.	4EE	Stubbs, William F.
		4DC	Peer, Emmitt E.	4EF	Linville, Roy.

## AMATEUR RADIO STATIONS—Continued.

## FIFTH DISTRICT.

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

## ALPHABETICALLY BY OWNERS OF STATIONS.

Call signal.	Owner of station.	Location of station.	Power.
5AC	Agricultural and Mechanical College of Texas.	College Station, Tex.	Kw. 0.5
5DX	Ancell, Tom B.	927 N. Marsalis Ave., Dallas, Tex.	1.0
5DH	Andress, Max	735 N. Robinson St., Cleburne, Tex.	.5
5EH	Anslay, Hewlette L.	1428 N. 12th Ave., Birmingham, Ala.	.5
5AJ	Antony, Willie E.	1906 Laurel St., Shreveport, La.	1.0
5BD	Asdorin, Levon	1529 Calliope St., New Orleans, La.	.5
5ED	Autry, James L., jr.	5 Courtlandt Pl., Houston, Tex.	1.0
5EF	Baker, Charles M.	507 N. 1st St., Temple, Tex.	.5
5DG	Barr, Charles S.	327 S. Parkway, Memphis, Tenn.	1.0
5EQ	Barre, Martin	St. Paul's College, Covington, La.	.5
5CS	Beauchamp, Fred	Orange, Tex.	.5
5BF	Behre, Joseph C.	1012 Kerlerec St., New Orleans, La.	.5
5AF	Berger, Carl G. F.	217 E. Commerce St., Altus, Okla.	.5
5CO	Bowling, James A.	1212 Prairie Ave., Houston, Tex.	.5
5DW	Breaux, Oscar W.	1472 N. Rocheblave St., New Orleans, La.	.5
5DF	Brooks, Junius B.	Las Cruces, N. Mex.	.5
5BW	Brown, Max T.	1017 Cumberland St., Little Rock, Ark.	.5
5AM	Brownell, Harold S.	Edgewood, Birmingham, Ala.	.5
5BP	Butcher, Cecil F.	324 W. 12th St., Dallas, Tex.	.5
5DR	Caine, Irving D.	2211 Avenue H, Ensley, Ala.	1.0
5BQ	Campbell, Gregory D.	Beeville, Tex.	.5
5EB	Carrie, Robert G.	746 Herron St., Montgomery, Ala.	.5
5CQ	Casey, Robert H.	606 N. Main St., Cleburne, Tex.	1.0
5CT	Churchill, Charles W.	Caldwell, Tex.	.5
5BV	Clayton, John M.	1301 Welch St., Little Rock, Ark.	1.0
5CR	Cochran, George D.	2019 Clarendon Ave., Bessemer, Ala.	.5
5DZ	Cole, Harry B.	1515 Linwood Blvd., Oklahoma City, Okla.	.5
5DK	Coleman, Jess B.	811 17th St., Temple, Tex.	.5
5DN	Collins, William A.	328 Arabella St., New Orleans, La.	.5
5CK	Cox, Houston A.	524 Jackson St., Starkville, Miss.	1.0
5EJ	Craig, P. W.	206 S. 8th St., Pratt City, Ala.	.5
5AK	Craven, William M.	1516 S. 12th Ave., Birmingham, Ala.	1.0
5BR	Curtis, Ernest M.	350 Selma St., Mobile, Ala.	.5
5AU	Darwin, Tyler	1205 N. 9th St., Waco, Tex.	.5
5EM	Dawty, Albert	5918 Laurel St., New Orleans, La.	.5
5BM	de Ben, Hubert E.	1044 City Park Ave., New Orleans, La.	.5
5AA	Deeley, Paul M.	535 Proctor St., Waco, Tex.	1.0
5CG	Dibble, George B.	112 Martha St., Montgomery, Ala.	.5
5DY	Downing, Roswell B.	727 E. 6th St., Oklahoma City, Okla.	.5
5BJ	Dye, Marvin M.	3107 Lee St., Dallas, Tex.	1.0
5DU	Emerson, Bennett	3730 Wendelkin St., Dallas, Tex.	1.0
5DE	Ernest, Walter C., jr.	119 St. Stevens Ave., Mobile, Ala.	.5
5AT	Felsenthal, Sonnet J.	303 Oak St., El Dorado, Ark.	1.0
5CL	Fitzgibbon, Rodger K.	2002 Avenue P, Galveston, Tex.	.5
5BO	Floyd, Preston M., jr.	213 E. Blvd., Baton Rouge, La.	.5
5E2	Fort, Fred A.	2222 Portland Ave., Shreveport, La.	.5
5DP	Geren, A. Blanchard	1815 W. Gary St., Shreveport, La.	.5
5AH	Gillette, Jack	Purcell, Okla.	.5
5AQ	Goldstein, Henry R.	1819 Octavia St., New Orleans, La.	.5
5AS	Goodman, Louis N.	300 E. Main St., Starkville, Miss.	1.0
5CJ	Gray, W. Parker	15 W. 10th St., Oklahoma City, Okla.	.5
5BB	Greenlaw, Paul E.	Franklinton, La.	.5
5AY	Hall, Henry	Beeville, Tex.	.5
5DI	Hanz, Harry W.	310 Bridge St., New Braunfels, Tex.	.5
5DD	Harrell, David, jr.	1010 Guadalupe St., Austin, Tex.	.5
5BI	Harrison, Jackson W.	800 Highland Ave., Montgomery, Ala.	1.0
5EN	Harrison, W. Marc	1003 Elgin Ave., Muskogee, Okla.	.5
5CX	Holland, Jesse W.	406 Granbury St., Cleburne, Tex.	.5
5ER	Holmes, Wesley S.	209 Gayoso St., New Orleans, La.	.5
5EG	Hudson, Edward M.	608 W. 7th St., Austin, Tex.	.5
5DV	Hunt, Martin I.	Woodrow St., Dallas, Tex.	1.0
5AG	Johannsen, John, jr.	Lafayette Ave and Miro St., New Orleans, La.	.5
5EI	Kelly, Paul R.	3707 Junius St., Dallas, Tex.	.5
5CI	King, William J.	482 Pine St., New Orleans, La.	1.0
5CM	Kirchner, Otto E.	18 Terrell St., Mobile, Ala.	.5
5AI	Jones, Burle R.	1103 Gibson St., Muskogee, Okla.	.5
5EK	Hirsh, Leon	911 Fremont Ave., Muskogee, Okla.	.5
5CZ	Leroy, Louis	Memphis, Tenn.	.5
5BK	Leroy, Louis	1005 Rayner Ave., Memphis, Tenn.	1.0
5AV	Macke, William, jr.	Franklinton, La.	.5
5BL	Marks, George M., jr.	615 S. Perry St., Montgomery, Ala.	.5

AMATEUR RADIO STATIONS—Continued.

FIFTH DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS.—Continued.

Call signal.	Owner of station.	Location of station.	Power. <i>Kw.</i>
5BX	Martin, George W.	209 S. Edgefield Ave., Dallas, Tex.	1.0
5CV	Martin, Roy	100 W. Lampkin St., Starkville, Miss.	.5
5EA	McDonnell, J. S., jr.	3304 8th Ave., Little Rock, Ark.	.5
5CI	McKelvey, Walter G.	807 Elgin St., Muskogee, Okla.	.5
5BS	McLain, Robert M.	250 Walker St., Huntsville, Ala.	1.0
5AO	Mercier, Walter H.	1640 Carrollton Ave., New Orleans, La.	.5
5AN	Milam, Monroe W.	603 N. 4th St., Waco, Tex.	.5
5CU	Miller, Harold L.	1012 Government St., Mobile, Ala.	.5
5DA	Mitchell, Erwin H.	1012 Government St., Mobile, Ala.	.5
5AR	Moore, J. Walter	317 Jackson Ave., El Dorado, Ark.	1.0
5CP	Moore, Frank C.	7509 St. Charles Ave., New Orleans, La.	.5
5EO	Mottashed, Marvin H.	3126 Lillian St., Shreveport, La.	.5
5DL	Mount, Robert H.	Pineville, Ia.	.5
5BH	Nobe, Harold G.	402 Nashville Ave., New Orleans, La.	.5
5CB	Nelson, Paul E.	1012 E. 18th St., Fort Smith, Ark.	1.0
5BG	Parke, Thomas L.	2411 Kensington St., Nashville, Tenn.	.5
5CE	Prels, Robert J.	4433 S. Rampart St., New Orleans, La.	.5
5DT	Reeves, Ben.	2822 Turney Ave., Dallas, Tex.	.5
5DM	Reid, Kenneth M.	1001 Columbus Ave., Muskogee, Okla.	.5
5EC	Reymond, Dalton S.	442 N. Boulevard, Baton Rouge, La.	.5
5BC	Reynolds, Gordon P., jr.	906 Arabella St., New Orleans, La.	.5
5DJ	Richard, Charles L.	1004 Government St., Mobile, Ala.	.5
5AD	Rorschach, Harold E.	619 North E St., Muskogee, Okla.	1.0
5BY	Sams, Ernest E.	508 Market St., Muskogee, Okla.	.5
5DC	Sanders, W. Currey	674 Topeka St., Shreveport, La.	1.0
5BT	Selby, Clarence M.	1163 Locust St., Muskogee, Okla.	.5
5AX	Simmons, Dorr R.	3134 Lillian St., Shreveport, La.	1.0
5EL	Smith, Leo H.	3161 Fetzter St., Shreveport, La.	.5
5AE	Snarr, Kenneth A.	1200 E. 10th St., Fort Smith, Ark.	.5
5AB	Steddom, A. Henry	1524 W. 9th St., Oklahoma City, Okla.	1.0
5BQ	Stanton, Roy	1002 Cedar St., Bonham, Tex.	.5
5BU	Sweetman, Frank M.	930 N. 11th St., Waco, Tex.	.5
5AP	Thompson, Vance M.	267 Pasadena Pl., Memphis, Tenn.	1.0
5AL	Tilley, Wesley H.	303 E. 10th St., Austin, Tex.	.5
5CD	Tisdell, William L.	814 W. Okmulgee Ave., Muskogee, Okla.	.5
5BE	Tonahill, Maurice	714 S. 8th St., Waco, Tex.	.5
5BA	Toups, Roy N.	1512 Ursuline St., New Orleans, Ia.	.5
5BZ	Towle, Amos	203 S. George Ave., Mobile, Ala.	.5
5CW	Townsend, William L., jr.	35 E. Cooper St., Memphis, Tenn.	1.0
5CF	Uhalt, William J. and Joseph H.	5933 Constance St., New Orleans, La.	.5
5CY	Ward, Robert P.	233 Orchard St., Georgetown, Tex.	1.0
5CA	Wilson, Harry T.	898 Saxon Ave., Memphis, Tenn.	.5
5DO	Wolover, William H.	621 Eastside Blvd., Muskogee, Okla.	.5
5DB	Wood, Ross	726 Speight St., Waco, Tex.	.5
5CN	Worner, Urban D.	1052 City Park Ave., New Orleans, La.	.5

ALPHABETICALLY BY CALL SIGNALS.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
5AA	Deeley, Paul M.	5AT	Felsenthal, Sonnel J.	5BO	Floyd, Preston N., jr.
5AB	Steddom, A. Henry	5AU	Darwin, Tyler	5BP	Butcher, Cecil F.
5AC	Agricultural and Mechanical College.	5AV	Macke, William, jr.	5BQ	Campbell, Gregory.
5AD	Rorschach, Harold C.	5AX	Simmons, Dorr R.	5BS	McLain, Robert M.
5AE	Snarr, Kenneth A.	5AY	Hall, Henry	5BT	Selby, Clarence M.
5AF	Berger, Carl G. F.	5AZ	Dike, Ernest R.	5BV	Clayton, John M.
5AG	Johannsen, John, jr.	5BA	Toups, Ray N.	5BX	Martin, George W.
5AH	Gillette, Jack.	5BB	Greenlaw, Paul E.	5BZ	Towle, Amos.
5AI	Jones, Burle R.	5BC	Reynolds, Gordon P., jr.	5CB	Nelson, Paul E.
5AK	Craven, Wm. M.	5BE	Tonahill, Maurice.	5CC	King, Wm. Julian.
5AL	Tilley, Wesley H.	5BF	Behre, Joseph C.	5CE	Prels, Robert J.
5AM	Brownell, Harold S.	5BG	Parke, Thos. L.	5CF	Uhalt, Wm. J.
5AN	Milam, Monroe W.	5BH	Nebe, Harold G.	5CH	Hecker, Joseph L.
5AO	Mercier, Walter M.	5BI	Harrison, Jackson W.	5CI	McKelvey, Walter G.
5AP	Thompson, Vance M.	5BJ	Dye, Marvin M.	5CJ	Gray, W. Parker.
5AQ	Goldstein, Henry R.	5BK	Leroy, Louis.	5CK	Cox, Houston A.
5AR	Moore, J. Walter	5BL	Marks, George M.	5CL	Fitzgibbon, Rodger K.
5AS	Goodman, Louis Nathan.	5BM	De Ben, Hubert E.	5CN	Worner, Urban D.

AMATEUR RADIO STATIONS—Continued.

FIFTH DISTRICT—Continued.

ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
5CO	Bowling, James A.	5DH	Andress, Max.	5EA	McDonnell, J. E., jr.
5CP	Ritker, Melvin.	5DI	Hans, Harry W.	5EB	Carrie, Robert G.
5CR	Cochran, Geo. D.	5DJ	Richard, Chas. Lee.	5EC	Reymond, Dalton B.
5CS	Beauchamp, Fred.	5DK	Coleman, Jess B.	5ED	Autry, James, jr.
5CT	Churchill, Chas. Wm.	5DL	Mount, Robert H.	5EF	Baker, Charles M.
5CU	Miller, Harold L.	5DM	Reid, Kenneth M.	5EG	Hudson, Edward M.
5CW	Townsend, William Lloyd, jr.	5DN	Collins, Wm. A.	5EH	Anslay, H. L.
5CX	Holland, Jesse W.	5DO	Wolowwe, Wm. H.	5EJ	Craig, P. W.
5CY	Ward, Robert P.	5DP	Geron, A. Blanchard.	5EK	Hirsh, Leon.
5CZ	Leroy, Louis.	5DQ	Stanton, Roy.	5EL	Smith, Leo H.
5DA	Mitchell, Erwin H.	5DR	Caine, Irving D.	5EM	Dowty, Albert.
5DB	Wood, Ross.	5DT	Reeves, Ben.	5EN	Harrison, Wm. Mace.
5DC	Sanders, William C.	5DU	Emerson, Bennett.	5EO	Mottashed, Marvin H.
5DD	Harrel, David, jr.	5DV	Hunt, Martin L.	5EP	Fort, Fred A.
5DE	Ernest, Walter C., jr.	5DW	Breaux, Oscar W.	5EQ	Barre, Rev. Martin.
5DF	Brooks, Junius B.	5DX	Ancell, Tom B.	5ER	Holmes, Wesley S.
5DG	Barr, Charles Sevier.	5DY	Downing, Roswell B.		
		5DZ	Cole, Harry B.		

SIXTH DISTRICT.

[Headquarters: Customhouse, San Francisco, Cal. The sixth district comprises the States of California, Nevada, Utah, Arizona, and the Territory of Hawaii.]

ALPHABETICALLY BY OWNERS OF STATIONS.

Call signal.	Owner of station.	Location of station.	Power.
6CB	Abbott, Clare C.	4728 S. Western Ave., Los Angeles, Cal.	1.0
6RQ	Abrahamson, Ray.	4220 California St., San Francisco, Cal.	.5
6OA	Adams, Eugene R.	Mountain View, Cal.	.5
6PF	Allen, Preston D.	1410 West St., Oakland, Cal.	1.0
6OP	Altland, Comer P.	662 Clayton St., San Francisco, Cal.	.5
6ARC	Anderson, Andrew	25 Brazil St., San Francisco, Cal.	.5
6CV	Anderson, Donald S. C.	154 Texas St., Redlands, Cal.	.5
6SW	Anderson, Elroy E.	80 Barson St., Santa Cruz, Cal.	.5
6MQ	Anderson, Sante H.	Mayfield, Cal.	.5
6AX	Anderson, William A.	828 Palos Verdes, San Pedro, Cal.	.5
6IS	Andrews, Carl.	532 Hill St., Long Beach, Cal.	.5
6GA	Andrews, Gaylerd.	4734 Shattuck Ave., Oakland, Cal.	.5
6KY	Andrews, Harold S.	2221 W. Jefferson St., Los Angeles, Cal.	.5
6GU	Anzini, Daniel I.	Mountain View, Cal.	.5
6BQ	Arbing, Bartley.	353 S. 10th St., San Jose, Cal.	.5
6HO	Ardenyi, William A.	41 Greenbank Ave., Piedmont, Cal.	.5
6FA	Arnberger, Frank, Jr.	3230 Garfield Ave., Alameda, Cal.	1.0
6UA	Asadoorian, Theodore N.	1205 Garfield Ave., Pasadena, Cal.	.5
6AA	Aster, Alvin K.	910 Chestnut St., Alameda, Cal.	1.0
6OV	Atkins, Carl.	145 N. Hancock St., Los Angeles, Cal.	1.0
6IC	Austin, Russel F.	210 3d St., Riverside, Cal.	.5
6NY	Bagley, William C.	615 Johnson St., Santa Rosa, Cal.	.5
6QX	Baird, Maxfield A.	913 Main St., Corona, Cal.	.5
6LR	Baker, Jesse E.	2913 Lorina St., Berkeley, Cal.	1.0
6DV	Bales, Edward M.	1006 N. Main St., Napa, Cal.	.5
6RB	Barbagelata, Russell.	604 42d St., Oakland, Cal.	.5
6AO	Bargar, Avery E.	Lawndale, Cal.	.5
6QL	Barker, Waldo W.	331 Lighthouse Ave., Pacific Grove, Cal.	.5
6PX	Barlow, Roy.	4219 Morgan Ave., Los Angeles, Cal.	1.0
6TU	Barnett, Thomas T.	384-B Capp St., San Francisco, Cal.	.5
6FJ	Barnum, Coit L.	9034 Hillside Ave., Oakland, Cal.	.5
6ID	Barton, Harry.	437 Austin Ave., San Francisco, Cal.	.5
6LB	Barton, Larry J.	19 Crystal Springs Rd., San Mateo, Cal.	1.0
6CB	Bascom, Carleton V.	1020 E. 27th St., Los Angeles, Cal.	.5
6IB	Bauchou, Leon J.	Mayfield, Cal.	.5
6FG	Bauman, Warren C.	New Castle, Cal.	1.0
6EB	Bazzini, Emil M. H.	2734 Gough St., San Francisco, Cal.	.5
6AAP	Beal, Ira A.	Campbell, Cal.	.5
6AJ	Bean, James.	755 University Ave., San Jose, Cal.	.5
6ON	Becker, Peter J.	2722 Harvard Blvd., Los Angeles, Cal.	.5
6NR	Belden, Marion.	831 4th St., Santa Rosa, Cal.	.5
6CU	Bell, Albert E.	750 Summit Ave., Pasadena, Cal.	1.0

AMATEUR RADIO STATIONS—Continued.

SIXTH DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. Kw.
6VL	Bell, Oran M.	453 Isabel St., Los Angeles, Cal.	0.5
6AM	Benn, Julius A.	921 Haight St., San Francisco, Cal.	.5
6AAR	Bennett, Dudley W.	Santa Cruz, Cal.	.5
6VE	Beraldo, Dewey	Avalon, Cal.	.5
6WZ	Berringer, Hall	6 Arundel Rd., Burlingame, Cal.	1.0
6EW	Bertin, Edwin	917 Ave. A, Coronado, Cal.	.5
6BL	Betterley, Jack A.	2500 Elm Ave., Long Beach, Cal.	.5
6ABM	Bevitt, Edwin R.	3914 3d St., San Diego, Cal.	.5
6WJ	Bickel, John E.	R. F. D. No. 1, Whittier, Cal.	1.0
6EF	Biddle, Charles J.	Berkley, Cal.	.5
6EE	Bilhimer, Samuel J.	Colfax, Cal.	.5
6JD	Binney, John	4050 Brighton Ave., Los Angeles, Cal.	1.0
6BE	Birkeland, Andrew	22 Fairmount St., San Francisco, Cal.	.5
6UD	Bitz, Vernice M.	825 W. 53d St., Los Angeles, Cal.	1.0
6VH	Blackstone, Clifford M.	1606 W. 50th St., Los Angeles, Cal.	.5
6AAW	Blauvelt, Frank E.	466 E. California St., Pasadena, Cal.	.5
6TG	Blodgett, Harry O.	1953 Bonsallo Ave., Los Angeles, Cal.	.5
6IJ	Boehme, Herbert L.	1437 6th St., Santa Monica, Cal.	1.0
6DA	Bolton, Harold B.	4300 Judah St., San Francisco, Cal.	.5
6KC	Bolton, Herbert J.	417 Park View St., Los Angeles, Cal.	.5
6FY	Bonar, Perry	837 4th St., Santa Rosa, Cal.	.5
6OH	Bonham, Carlton L.	R. F. D. No. 1, Linden, Cal.	.5
6AH	Botts, James	2644 23d Ave., Oakland, Cal.	.5
6NN	Bowen, Walter E.	2110 Estrella St., Los Angeles, Cal.	.5
6AL	Brandis, Fred A.	214 W. San Carlos St., San Jose, Cal.	.5
6RA	Brandt, Robert L.	322 Grand Blvd., San Mateo, Cal.	1.0
6ND	Breck, F. Bon.	285 Mather St., Oakland, Cal.	1.0
6KQ	Brennan, Ralph P.	1430 Vallejo St., San Francisco, Cal.	.5
6DP	Briane, William N., jr.	Marine Barracks, Mare Island, Cal.	.5
6GR	Brown, Clarence C.	1038 Balboa St., San Francisco, Cal.	.5
6WP	Brown, Norman C.	Reno Power House, Reno, Nev.	1.0
6PZ	Brown, Robert L.	634 Franklin St., Napa, Cal.	1.0
6ABR	Browning, Samuel D.	748 B St., Hayward, Cal.	.5
6VS	Brundige, Lamont J. and Reginald B.	114 E. Hadley St., Whittier, Cal.	.5
6RY	Bullard, Orlan K., jr.	1655 10th St., San Diego, Cal.	1.0
6PC	Bumbaugh, Harold L.	Lemon Grove, Cal.	.5
6SO	Bunting, Howard S.	109 Forest Ave., Pacific Grove, Cal.	1.0
6BJ	Bunting, Lawrence	Centerville, Cal.	.5
6LZ	Burgess, Charles W.	506 N. Philadelphia St., Anaheim, Cal.	.5
6DZ	Caldwell, Duncan K.	427 Crane Ave., Turlock, Cal.	.5
6AFC	Callero, Frank	7 Lisbon St., San Francisco, Cal.	.5
6NX	Calvert, Paul P.	124 W. Hazel St., Inglewood, Cal.	1.0
6CC	Canfield, Carleton E.	169 High St., Santa Cruz, Cal.	.5
6BT	Cantelow, Elbridge M.	2515 Derby St., Berkeley, Cal.	.5
6AC	Capewell, Cebert E.	Monte Cresta Ave. and Kelton Court, Oakland, Cal.	.5
6JQ	Carroll, Lionel H.	427 S. Hunter St., Stockton, Cal.	.5
6FM	Carroll, Russell W.	354 Perry St., Oakland, Cal.	.5
6BD	Carter, E. Stewart	1639 Formosa Ave., Los Angeles, Cal.	.5
6NM	Carter, Kenneth L.	633 W. H St., Colton, Cal.	1.0
6VN	Carter, Robert F.	101 Ralston St., Reno, Nev.	.5
6HE	Castro, Morris	232 Lexington Ave., Rust, Cal.	.5
6QJ	Chamberlain, George E.	121 N. 6th St., Sawtelle, Cal.	1.0
6IE	Chambers, James	427 Bank St., San Francisco, Cal.	.5
6AP	Chase, John H.	1323 Lemon St., Riverside, Cal.	.5
6QR	Chase, Ralph N.	R. F. D. No. 4, Santa Ana, Cal.	1.0
6TZ	Christenson, Howard	426 Palm Ave., Burbank, Cal.	.5
6VM	Clark, Herbert	578 16th St., Oakland, Cal.	.5
6CE	Clark, James R.	2318 Bryant St., San Francisco, Cal.	.5
6SB	Clark, Jean H.	1504 State St., San Diego, Cal.	.5
6JP	Clark, John H.	316 E. 55th St., Los Angeles, Cal.	.5
6AU	Clark, Paul U.	898 S. 8th St., San Jose, Cal.	1.0
6QF	Clements, Floyd P.	407 N. Milton Ave., Whittier, Cal.	.5
6QE	Clewett, Heber H.	1002 S. Reservoir St., Pomona, Cal.	.5
6RF	Closson, William	Orland, Cal.	.5
6MK	Coates, Walton L.	3766 Chamcune Ave., East San Diego, Cal.	.5
6AAF	Collins, Wayne A.	788 19th St., Oakland, Cal.	.5
6LC	Comins, Frank L.	634 Balboa St., San Francisco, Cal.	.5
6CW	Cook, George W.	208 27th St., Ogden, Utah	.5
6OD	Cook, John A.	1504 Locust St., Long Beach, Cal.	.5
6LS	Cooksey, Clayborne D.	1246 Birch St., Los Angeles, Cal.	.5
6DI	Cookson, Howard A.	361 14th Ave., San Francisco, Cal.	1.0
6GE	Corpe, G. S.	El Monte, Cal.	.5
6CL	Cosby, Mark B.	356 Hobart Ave., Los Angeles, Cal.	.5
6FF	Cosgrove, Clarence E.	435 Hanover Ave., Oakland, Cal.	.5
6WQ	Cowles, John	28 Butler Ave., San Francisco, Cal.	.5



## AMATEUR RADIO STATIONS—Continued.

## SIXTH DISTRICT—Continued.

## ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. Kw.
6UP	Creswell, Frank, jr.	831 W. 58th Pl., Los Angeles, Cal.	0.5
6UQ	Crissman, Robert J.	617 S. Birch St., Santa Ana, Cal.	.5
6AW	Cullen, Paul K.	R. F. D. No. 1, Long Beach, Cal.	1.0
6NJ	Cunningham, Edward J.	Santa Clara, Cal.	.5
6CF	Curtis, Burbank	519 E. 9th St., Long Beach, Cal.	.5
6KM	Dalby, William	2907 Hillegas Ave., Berkeley, Cal.	1.0
6QT	Dalton, Stuart P.	121 E. 23d St., Los Angeles, Cal.	.5
6MO	Dargitz, Jesse L.	Near Acampo, Cal.	1.0
6KN	Davidson, George A.	Chula Vista, Cal.	1.0
6DE	Davidson, James D.	462 W. Grand Ave., Pomona, Cal.	.5
6HY	Davidson, Merritt T.	1954 Hillcrest Rd., Hollywood, Cal.	.5
6OI	Dawson, J. Percy	763 Oakland Ave., Pasadena, Cal.	.5
6UJ	Day, Elwin C.	907 Valencia St., San Francisco, Cal.	.5
6FD	Deardorf, Francis H.	Los Altos, Cal.	.5
6RD	Deardorf, Ralph W.	202 Cypress Ave., Santa Ana, Cal.	1.0
6FN	Deetkin, Frederick I.	1535 6th St., Alameda, Cal.	.5
6AQ	De La Cruz, George	706 W. San Carlos St., San Jose, Cal.	.5
6AD	Diamond, Alfred	2015-A Sacramento St., San Francisco, Cal.	.5
6LK	Diamond, Ray	Piedmont Park, Oakland, Cal.	1.0
6KA	Dickey, Herbert A.	122 Dracena Ave., Piedmont, Cal.	.5
6HD	Dicknow, Henry W.	413 26th Ave., San Francisco, Cal.	.5
6KL	Diehl, Fred	348 Coleridge St., San Francisco, Cal.	.5
6RX	Dieterich, Martin	430 E. 12th St., Los Angeles, Cal.	.5
6TB	Dietz, Irwin C.	136 S. Griffin Ave., Los Angeles, Cal.	.5
6OK	Dillon, Lyle	317 S. Norton Ave., Los Angeles, Cal.	1.0
6OY	Dodson, Loyd O.	724 N. Chester St., Pasadena, Cal.	.5
6KE	Dogan, Kenneth	1115 Cole St., San Francisco, Cal.	.5
6ARD	Dow, Clifford J.	Rye, Cal.	1.0
6TD	Dowling, Thomas L.	1520 E. 17th St., Oakland, Cal.	.5
6RG	Downs, Robert F.	130 W. 1st St., San Diego, Cal.	.5
6PO	Drath, Walter J.	682 34th St., Oakland, Cal.	.5
6LQ	Duborg, George	845 Sierra St., Reno, Nev.	.5
6DG	Duffey, Guy H.	1022 W. 24th St., Los Angeles, Cal.	.5
6NK	Duncan, Harold	131 W. Jefferson St., Los Angeles, Cal.	.5
6KD	Dutton, Kingsley	6439 Robles Ave., Los Angeles, Cal.	1.0
6WX	Ebert, Howard W.	455 Orchard St., San Jose, Cal.	.5
6MU	Eddy, Myron F.	1232 Alice St., Oakland, Cal.	.5
6SN	Edwards, Lewis W.	908 Wilshire Blvd., Sawtelle, Cal.	.5
6EK	Elerle, Chris. F.	3018 Boulevard Ave., Fruitville, Cal.	1.0
6TQ	Emmertson, Alfred	167 S. 4th St., Sawtelle, Cal.	.5
6ALC	Eriksen, Elwood C.	358 Lisbon St., San Francisco, Cal.	.5
6LM	Erler, Robert J.	1144 Santa Clara St., Vallejo, Cal.	.5
6DL	Espe, Oliver E.	4326 S. Grand Ave., Los Angeles, Cal.	.5
6ABO	Evans, Charles C.	4835 Idaho St., San Diego, Cal.	.5
6AHE	Evans, Herbert	Lemon Grove, Cal.	.5
6FE	Eveleth, Harlan A.	2805 Russell St., Berkeley, Cal.	.5
6UY	Everhart, Laurence	254 N. Soto St., Los Angeles, Cal.	.5
6TH	Fabian, Ernest	1368 20th Ave., San Francisco, Cal.	.5
6WH	Fabling, Walter D.	3624 2d Ave., Los Angeles, Cal.	.5
6GD	Fackrell, George O.	Cooperstown, Cal.	.5
6ED	Farish, Edward P.	1609 W. Lewis St., San Diego, Cal.	.5
6GF	Farmer, Gordon	Burbank, Cal.	.5
6LT	Farolita, Dominic A.	289 Cheney St., San Francisco, Cal.	.5
6TR	Farrell, Raymond	2328 Pacific Ave., Alameda, Cal.	1.0
6IF	Farwell, I. Irving	2230 9th St., Berkeley, Cal.	.5
6UV	Fasset, Lee	4326 Balboa St., San Francisco, Cal.	.5
6ET	Fenner, Paul R.	1338 Masonic Ave., San Francisco, Cal.	.5
6CO	Ferrero, Henry D.	43 Vallejo St., Napa, Cal.	.5
6HV	Ferrill, Herbert E.	Bostonia, Cal.	.5
6PP	Ferrill, William	El Cajon, Cal.	.5
6BZ	Fickas, Wilbur	1035 E. 1st St., Santa Ana, Cal.	.5
6QD	Finley, William E.	441 S. 5th St., San Jose, Cal.	.5
6MF	Fitzpatrick, Gerald H.	2012 Pold St., San Diego, Cal.	.5
6QH	Flaig, Philip F.	43 Mizpah Ave., San Francisco, Cal.	.5
6PE	Fleming, Robert P.	606 San Benito St., Los Angeles, Cal.	.5
6SQ	Fonseca, Arthur	2610 Valdez St., Oakland, Cal.	.5
6WF	Ford, Walter B.	3633 Arnold St., San Diego, Cal.	.5
6JF	Forsburg, Joe A.	1734 Sonoma Ave., Berkeley, Cal.	.5
6OD	Foster, Harold M.	630 Culver St., Orange, Cal.	.5
6RD	Foster, Lewis K.	3452 16th St., San Francisco, Cal.	.5
6RV	Foulon, Fred	423 1/2 E. 29th St., Los Angeles, Cal.	1.0
6VG	Fowler, L. Deane	1027 6th St., Redlands, Cal.	.5
6NQ	Francis, Ernest R.	Mountain View, Cal.	.5
6FK	Frank, Walter H.	465 18th St., San Diego, Cal.	.5
6HN	Fredrichson, Clarence J.	Rio Vista, Cal.	.5
6FX	Frizzi, William	Larkspur, Cal.	.5

AMATEUR RADIO STATIONS—Continued.

SIXTH DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. <i>Kw.</i>
6SF	Fuller, Sidney.....	1718 S. Main St., Los Angeles, Cal.	0.5
6PI	Furman, Oliver G.....	5528 Echo St., Los Angeles, Cal.	1.0
6RM	Gabriel, Edward J.....	657 Guerrero St., San Francisco, Cal.	.5
6PJ	Gale, Paul B.....	Lemon Grove, Cal.	.5
6QU	Garrettson, Oliver.....	911 Jane St., Los Angeles, Cal.	.5
6RW	Garver, Oliver B.....	1960 Vista del Mar, Hollywood, Cal.	.5
6UH	Gates, Howard C.....	Pomona, Cal.	1.0
6NH	Gerlach, Leonard J.....	Point Richmond, Cal.	1.0
6US	Gibson, Walter L.....	2324 Dennison St., East Oakland, Cal.	1.0
6AAG	Gilbert, Phillip H.....	387 W. 8th St., Pomona, Cal.	1.0
6QK	Gill, Fred M.....	2715 4th St., Ocean Park, Cal.	1.0
6AAH	Gilstrap, L. Frederick.....	517 N. Curtis Ave., Alhambra, Cal.	.5
6BM	Godwin, Merle H.....	19 Grigsby Court, Napa, Cal.	.5
6VC	Gottwald, Eugene A.....	404 S St., Eureka, Cal.	.5
6NC	Gould, William S.....	580 D St., San Rafael, Cal.	.5
6BG	Grates, John.....	486 E. 49th St., Los Angeles, Cal.	.5
6LP	Gray, Clifford L.....	Stevens Creek Rd., San Jose, Cal.	.5
6AI	Green, Alfred.....	221 E. Anderson St., Stockton, Cal.	.5
6AAK	Green, Carl V., jr.....	317 E. 49th St., Los Angeles, Cal.	1.0
6GC	Greene, Harry A.....	313 Lighthouse Ave., Monterey, Cal.	1.0
6AR	Greenquist, Elmer A.....	516 W. San Carlos St., San Jose, Cal.	.5
6ME	Gregory, Marshall.....	554 5th St., San Diego, Cal.	.5
6AEG	Griffin, Ellis J.....	Fast Auburn, Cal.	.5
6LL	Griffith, William M.....	737 Shrader St., San Francisco, Cal.	.5
6IA	Griffiths, Walter M.....	1022 1st St., Napa, Cal.	1.0
6DH	Grimes, W. Frank.....	103 N. Pasadena Ave., Pasadena, Cal.	1.0
6GN	Grossnickle, Russell R.....	Lordsburg, Cal.	.5
6IK	Grotzinger, Clarence F.....	Corona, Cal.	.5
6TL	Grow, Frank.....	232 Lake Shore Ter., Los Angeles, Cal.	1.0
6DN	Guidotti, William F.....	745 W. San Fernando St., San Jose, Cal.	.5
6PU	Hamilton, Howard B.....	1218 N. 6th St., Redlands, Cal.	.5
6PM	Hamilton, Otto J.....	1638 Bancroft Way, Berkeley, Cal.	.5
6RI	Hanehett, Robert J.....	Nestor, Cal.	.5
6KV	Hankins, Marvin J.....	448 6th St., San Pedro, Cal.	.5
6HX	Hare, Robert J.....	1238 W. 38th St., Los Angeles, Cal.	.5
6TZ	Harmon, Orville A.....	2742 35th Ave., Oakland, Cal.	.5
6AJA	Harris, Howard D.....	Ogden High School, Ogden, Utah.	1.0
6SL	Hart, Cedric E.....	718 6th Ave., Salt Lake City, Utah.	1.0
6HG	Hart, Gardner L.....	3785 Albatross St., San Diego, Cal.	.5
6CG	Harty, Courtenay E.....	5167 S. Wilton Pl., Los Angeles, Cal.	.5
6LD	Haskell, Charles G.....	128 W. 30th Ave., Los Angeles, Cal.	.5
6OU	Hawley, George N.....	1257 Cypress Ave., Los Angeles, Cal.	.5
6GK	Hayden, Gordon L.....	1456 C St., Eureka, Cal.	.5
6UO	Hayden, Jack.....	246 N. 22d Ave., Los Angeles, Cal.	.5
6IH	Hazleton, Ralph L.....	51 Pryce St., Santa Cruz, Cal.	.5
6UK	Heald's Business College.....	San Francisco, Cal.	.5
6AAC	Heaney, Clarence M.....	374 22d Ave., San Francisco, Cal.	.5
6AT	Heer, Alphonus A., jr.....	134 Marsh Ave., Reno, Nev.	.5
6DB	Heitshusen, Dick.....	115 Hermina St., Anaheim, Cal.	.5
6ABC	Hellikson, Vivian L.....	1230 W. 49th St., Los Angeles, Cal.	1.0
6UI	Helmer, Glenn.....	343 N. Comstock Ave., Whittier, Cal.	.5
6AAB	Hemmenway, Clyde C.....	1407 Vermont St., San Francisco, Cal.	1.0
6CN	Hendrix, Charles F.....	2214 E. Damon St., Los Angeles, Cal.	.5
6PV	Henn, Charles W.....	1468 47th Ave., San Francisco, Cal.	.5
6QS	Henry, William J.....	554 11th Ave., San Francisco, Cal.	.5
6NU	Heppenstall, Wilton I.....	2097 W. 29th St., Los Angeles, Cal.	.5
6RR	Herman, Edward W.....	735 19th St., San Diego, Cal.	.5
6DC	Hibbard, Charles H., jr.....	156 Bellefontaine St., Pasadena, Cal.	.5
6FL	High, Freeman A., jr.....	2905 S. Hoover St., Los Angeles, Cal.	1.0
6CI	Hillen, Russell W.....	162 W. Alvarado St., Pomona, Cal.	.5
6DM	Higgy, Robert C.....	1143 Formosa Ave., Hollywood, Cal.	1.0
6HH	Hollingsworth, D. R.....	808 Humboldt St., Santa Rosa, Cal.	.5
6JG	Homand, James A.....	1423 McKinley St., Los Angeles, Cal.	.5
6MI	Hooper, Herbert D.....	Sultana, Cal.	.5
6EJ	Houtz, Eugene R.....	1544 Webster St., Oakland, Cal.	.5
6SI	Hoyt, Leander L.....	248 Main St., Hayward, Cal.	1.0
6TE	Hueter, Noble G.....	1434 Jones St., San Francisco, Cal.	.5
6JY	Humphrey, Estil L.....	San Fernando, Cal.	.5
6HB	Hunt, Homer G.....	1740 96th Ave., Oakland, Cal.	1.0
6LH	Hunt, Lloyd F.....	824 W. 35th Pl., Los Angeles, Cal.	1.0
6IU	Hutchinson, Howard W.....	614 S. Brand Blvd., Glendale, Cal.	.5
6LI	Isaacs, Louis R.....	1200 Regent St., Alameda, Cal.	1.0
6FC	Isham, Carlton.....	1323 96th Ave., Oakland, Cal.	.5
6KF	Jackson, Milton S.....	8333 17th St., San Diego, Cal.	.5
6JK	Jennings, John W.....	3427 30th St., San Diego, Cal.	.5
6SX	Johnson, Alfred E.....	1030 Delaware St., Berkeley, Cal.	1.0

## AMATEUR RADIO STATIONS—Continued.

## SIXTH DISTRICT—Continued.

## ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Kw.
6TP	Johnson, Harold M.	15 King St., San Jose, Cal.	0.5
6GB	Johnson, Philip	475 California St., Pasadena, Cal.	.5
6AEA	Johnson, Roy	414 Main St., Los Angeles, Cal.	.5
6MY	Johnston, Robert	734 K St., Eureka, Cal.	.5
6GV	Jones, Alfred H.	962 D Ave., Coronado, Cal.	.5
6KI	Jones, Ernest P.	R. F. D., Auburn, Cal.	.5
6MB	Jopson, Frank	332 S. 11th St., San Jose, Cal.	.5
6SY	Josephs, Howard	1520 Webster St., Oakland, Cal.	.5
6OM	Kaufmann, Irwin L.	56 20th Ave., San Francisco, Cal.	.5
6UF	Kemp, Thomas J.	950 Atlantic Ave., Long Beach, Cal.	.5
6RK	Kelley, Roger M.	399 S. Wilson Ave., Pasadena, Cal.	.5
6VK	Kemp, Victor H.	803 E. 28th St., Los Angeles, Cal.	.5
6CQ	Kemper, Horace L.	173½ Loma Drive, Los Angeles, Cal.	.5
	Kern County High School.		
	See Ludden, A. J.		
6QV	Kimm, George N.	2502 Q St., Bakersfield, Cal.	.5
6VJ	Kinsman, Joseph W.	3467 Arroyo Seco Ave., Los Angeles, Cal.	.5
6JJ	Klahn, Leander	27 Chenery St., San Francisco, Cal.	.5
6JA	Knight, James B.	125 Stanislaus Ave., Modesto, Cal.	1.0
6GT	Knudsen, George	418 Banks St., San Francisco, Cal.	.5
6JH	Koepfli, Joseph B.	2600 Wiltshire Blvd., Los Angeles, Cal.	1.0
6UE	Kramer, Augustus A.	1605 6th St., Coronado, Cal.	.5
6HA	Kreamer, John A., jr.	222 W. 33d St., Los Angeles, Cal.	.5
6VY	Kreiss, Rudolph L.	1062 Stannage Ave., Berkeley, Cal.	1.0
6PL	Kubias, Rudolph M.	457 Alta St., Redlands, Cal.	.5
6JC	Kulish, John J., jr.	Branham Rd., Campbell, Cal.	.5
6OF	Kroman, Robert	Napa, Cal.	.5
6LY	Ladley, William A.	Napa, Cal.	.5
6BX	Lankston, J. M.	152 Ohio Ave., Sawtelle, Cal.	1.0
6DR	Laverty, Finley B.	5332 Abbott Pl., Los Angeles, Cal.	.5
6PK	Latta, Paul	2158 Woolman Ave., San Diego, Cal.	.5
6MW	Lauritsen, Albert M.	Napa, Cal.	.5
6LG	Lee, George R.	134 N. Johnstone St., Los Angeles, Cal.	1.0
6TM	Lee, Howard R.	1580 Grove St., San Francisco, Cal.	.5
6VO	Lee, John A.	283 25th Ave., Los Angeles, Cal.	1.0
6IZ	Leeper, Ernest W.	648 4th St., San Bernardino, Cal.	1.0
6EL	Lo Fevre, Eugene	243 Bonflew Ave., San Francisco, Cal.	.5
6VF	Leigh, Philip P.	827 2d St., Santa Monica, Cal.	1.0
6WL	Leland, Wallace H.	912 Indian Rock Ave., Berkeley, Cal.	1.0
6IN	Lewelling, Raymond	St. Helena, Cal.	1.0
6EC	Lewis, Harrison E.	3299 Briggs Ave., Alameda, Cal.	.5
6LE	Lewis, Tony D.	1054 Cotton St., Oakland, Cal.	.5
6HL	Linhoff, Harold R.	417 Winona Ave., Pasadena, Cal.	.5
6UR	Link, Ralph L.	1520 Annan Way, Los Angeles, Cal.	.5
6AAJ	Linville, Charles R.	307 N. Curtis Ave., Alhambra, Cal.	.5
6JN	Livesay, J. Russell	416 Palo Alto Ave., Palo Alto, Cal.	.5
6MH	Logan, Hugh H.	1519 Grammercy Pl., Los Angeles, Cal.	.5
6IF	Lohry, Ross B.	1932 Irving Ave., East Oakland, Cal.	1.0
	Long Beach Polytechnic School. See Polytechnic High School.		
6GX	Long, Herman D.	402 N. New 18th St., San Jose, Cal.	.5
6SJ	Lopez, John	1645 S. New Hampshire St., Los Angeles, Cal.	.5
6LO	Lory, C. S.	3841 7th St., San Diego, Cal.	.5
6VD	Loudon, Donald F.	3904 Ibis Court, San Diego, Cal.	.5
6CA	Lowell, Charles H., jr.	1403 Martel Ave., Los Angeles, Cal.	.5
6CZ	Ludden, A. J.	Bakersfield, Cal.	.5
6WM	Ludlow, William B.	2320 Cedar St., Berkeley, Cal.	.5
6CY	Lundy, Elmer C.	592 N. 17th St., San Jose, Cal.	.5
6SE	Lynde, Laurence F.	Huntington Drive, Los Angeles, Cal.	.5
6AAL	Lyon, John D.	111 Mendocino St., Altadena, Cal.	.5
6MD	McFarlane, Thomas R.	954 S. Kingsley Drive, Los Angeles, Cal.	.5
6CM	Mackin, George R.	88 Peralta Ave., San Francisco, Cal.	.5
6MV	MacMullen, Gerald	392 Glorietta Blvd., Coronado, Cal.	.5
6SH	Macquarrie, Harold C.	405 E. Fremont St., Stockton, Cal.	1.0
6MX	Macurda, Malcolm	1714 Harvard Blvd., Los Angeles, Cal.	1.0
6MN	Maher, Edward T.	3409 Grove St., Oakland, Cal.	.5
6IL	Mahler, James J., jr.	233 Hawthorne St., San Diego, Cal.	.5
6AAD	Mahn, Erich G.	29 Saturn St., San Francisco, Cal.	.5
6CG	Malarin, Henry J.	719 Page St., San Francisco, Cal.	.5
6WT	Mann, Frank W.	Saratoga, Cal.	.5
6IP	Marsh, Hallan N.	1225 W. Brookes Ave., San Diego, Cal.	.5
6OX	Martin, Andrew W., jr.	894 Waller St., San Francisco, Cal.	.5
6KS	Martin, Neal D.	2018 Delaware St., Berkeley, Cal.	.5
6WD	Martinelli, Ennio	953 Mission Ave., San Rafael, Cal.	.5
6BO	Mattoon, Stanley F.	7364 Hollywood Blvd., Los Angeles, Cal.	.5

AMATEUR RADIO STATIONS—Continued.

SIXTH DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.  Kw.
6DY	Mattox, Harry D.	260 W. 11th St., Pomona, Cal.	1.0
6BB	May, Howard E.	Orosi, Cal.	.5
6UW	Maynes, Walter W.	1903 Bonita Ave., Berkeley, Cal.	.5
6MS	McArdle, James J.	263 Day St., San Francisco, Cal.	.5
6JM	McCargar, J. L.	1413 16th St., Oakland, Cal.	1.0
6QH	McCarthy, John J.	3913 26th St., San Francisco, Cal.	.5
6IX	McCreery, Maurice.	700 W. 32d St., Los Angeles, Cal.	.5
6PI	McDonald, Byron C.	85 S. El Molino St., Pasadena, Cal.	1.0
6TO	McFern, Arthur L.	1652 Berendo St., Los Angeles, Cal.	.5
6MC	McGown, Dudley B.	1247 47th Ave., San Francisco, Cal.	.5
6EM	McGulre, Edward.	55 Dame St., San Francisco, Cal.	.5
6EZ	McHolland, Raymond.	2900 Oregon St., Los Angeles, Cal.	1.0
6HJ	McIntosh, Harold S.	249 Bixel St., Los Angeles, Cal.	1.0
6ABG	McLaren, Alfred.	534 W. 49th St., Los Angeles, Cal.	.5
6JE	Mead, John H.	7231 Hollywood Blvd., Los Angeles, Cal.	.5
6KU	Mealer, Loyal D.	Walnut Grove, Cal.	1.0
6BN	Mentzer, Leonard.	4416 23d St., San Francisco, Cal.	.5
6DI	Merritt, Lawrence G.	252 Clinton St., Pasadena, Cal.	1.0
6JW	Meyer, Joseph U.	804 40th St., Oakland, Cal.	.5
6EU	Michelson, Melvin O.	530 Franklin St., Napa, Cal.	.5
6QY	Miller, Jerome.	585 Bellefontaine Ave., Pasadena, Cal.	.5
6IX	Miller, Albert.	121 E. 39th Ave., Los Angeles, Cal.	.5
6EN	Miller, Elmer.	1346 La Brea St., Los Angeles, Cal.	.5
6KP	Miller, Murray R.	15 E. Central Ave., Redlands, Cal.	.5
6RJ	Miller, Roy A.	R. F. D. Ione, Cal.	1.0
6KT	Miller, Walter G.	18 Hester Ave., San Jose, Cal.	.5
6KI	Mills, Eldon C.	425 Orchard St., San Jose, Cal.	.5
6BU	Mills, Harry D.	245 Lime St., Riverside, Cal.	1.0
6RC	Moebius, Russell F.	63 N. State St., Murray, Utah.	.5
6WB	Moller, William, Jr.	426 29th St., Oakland, Cal.	.5
6MA	Montgomery, Alvin R.	2303 Pacific Ave., Alameda, Cal.	1.0
6BI	Moore, Ezra.	108 11th St., Redlands, Cal.	.5
6MM	Moore, Norval E.	652 E. Culver St., Orange, Cal.	.5
6SS	Morrow, James W.	389 63d St., Oakland, Cal.	1.0
6MT	Mount Tamalpais Military Academy.	San Rafael, Cal.	.5
6TW	Muller, Lloyd.	832 Haight St., San Francisco, Cal.	.5
6DK	Mundt, Carlos S.	2418 Eagle Ave., Alameda, Cal.	.5
6FU	Munger, Claude D.	Nordhoff, Cal.	.5
6BV	Munzig, Arthur.	217 Tribune St., Redlands, Cal.	.5
6PR	Murkelt, Phillip T.	126 W. Olive Ave., Redlands, Cal.	.5
6HM	Murphy, Harold J.	Mountain View, Cal.	.5
6QA	Myers, Harry.	3215 N. Broadway, Los Angeles, Cal.	.5
6KK	Neff, Cecil.	3751 Albatross St., San Diego, Cal.	.5
6TA	Nelk, Teddy J.	848 E. 28th St., Los Angeles, Cal.	.5
6PH	Nelson, Harry W.	269 E. 50th St., Los Angeles, Cal.	.5
6QG	Nelson, Martin A.	1075 Alverado St., San Leandro, Cal.	1.0
6PN	Nesbit, Paul T.	R. F. D. No. 1, Acampo, Cal.	.5
6AG	Neuser, Arthur A.	280 N. 22d Ave., Los Angeles, Cal.	.5
6NS	Neville, Glen.	417 S. 1st St., San Jose, Cal.	.5
6AHN	Newman, Harold L.	2242 San Jose Ave., Alameda, Cal.	1.0
6NF	Newton, Francis L.	100 Benita Ave., Piedmont, Cal.	1.0
6HQ	Newton, Henry G.	Coronado, Cal.	.5
6WK	Nickels, Lee.	985 8th St., Oakland, Cal.	.5
6QM	Nickle, Harold A.	Minnesota St., Glendora, Cal.	.5
6OR	Nielsen, Fred J.	136 Caine Ave., San Francisco, Cal.	.5
6NA	Nielson, Anders.	849 Athens Ave., Oakland, Cal.	.5
6NI	Nilli, Emil.	34 Hester Ave., San Jose, Cal.	.5
6RN	Norton, Russell.	825 1st St., Napa, Cal.	.5
6PT	Nulsen, William B.	545 San Benito St., Los Angeles, Cal.	.5
6UC	Nusser, George F.	309 N. Union Ave., Los Angeles, Cal.	.5
6BC	Oldham, William G., jr.	720 Healdsburg Ave., Santa Rosa, Cal.	.5
6TI	O'Dell, James J.	327 Post St., San Jose, Cal.	.5
6LU	Oliver, Leslie H.	1116 Catalina Ave., Pasadena, Cal.	.5
6KB	Olmstead, Charles B.	259 N. 23d Ave., Los Angeles, Cal.	.5
6LI	Olmstead, William H.	1433 J St., Eureka, Cal.	.5
6JZ	O'Neill, Frank M.	1635 Addison St., Berkeley, Cal.	1.0
6RO	Ormsby, Russell.	1624 Chapin St., Alameda, Cal.	.5
6OE	Ostronik, Rudolph.	4071 Budlong Ave., Los Angeles, Cal.	1.0
6PE	Ostrowsky, Arthur P.	408 E. 61st St., Los Angeles, Cal.	1.0
6PB	Pagh, Val E.	Randsburg, Cal.	.5
6FP	Parke, Francis M.	582 N. Park Ave., Pomona, Cal.	.5
6LA	Parker, Ralph.	Lockeford, Cal.	.5
6SO	Parkin, Gladys Kathleen.	22 Terra Dillo Ave., San Rafael, Cal.	.5

## AMATEUR RADIO STATIONS—Continued.

## SIXTH DISTRICT—Continued.

## ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Ktr.
6LX	Parkin, John, jr.	22 Terra Dillo Ave., San Rafael, Cal.	1.0
6MP	Parsons, William	2921 Manitou Ave., Los Angeles, Cal.	.5
6LV	Passage, Raye L.	1966 Bonita Ave., Los Angeles, Cal.	1.0
6ABH	Peacock, Vernon L.	1303 Main St., Alhambra, Cal.	.5
6AV	Peck, W. Frank	569 Orange St., Riverside, Cal.	.5
6BR	Peelle, Russell G.	517 N. Washington St., Whittier, Cal.	1.0
6ER	Pelfer, Norman P.	34 Grant St., Redlands, Cal.	.5
6QC	Perry, Oliver A.	Meridian and Q Sts., San Diego, Cal.	.5
6OL	Petersen, Odin T.	490 48th St., Los Angeles, Cal.	1.0
6OJ	Peterson, Frank E.	2615 Virginia St., Berkeley, Cal.	.5
6IW	Phelps, Allen G.	521 E. 17th St., Santa Ana, Cal.	1.0
6KH	Phillippi, Charles	3467 5th St., Los Angeles, Cal.	1.0
6CM	Phillips, Carroll J.	1261 St. Charles St., Alameda, Cal.	.5
6CP	Pickard, Clifford J.	660 19th St., Richmond, Cal.	.5
6IV	Pleson, Walter	Walnut Creek, Cal.	.5
6IY	Plimpton, Roe	2508½ Palm Drive, Los Angeles, Cal.	.5
6EG	Poage, Edward A.	143 15th St., Richmond, Cal.	.5
6UO	Polkinghorn, Frank A.	180 W. Date St., Riverside, Cal.	.5
6JX	Pollitt, Chalmers L.	603 W. 35th Pl., Los Angeles, Cal.	.5
6LN	Polytechnic High School	Long Beach, Cal.	1.0
6GP	Post, George W.	1699 Masonic Ave., San Francisco, Cal.	.5
6CR	Potter, Lee Roy	Maple and Spadra Sts., Fullerton, Cal.	1.0
6WI	Powell, Joseph F.	1125 N. Wilson Ave., Pasadena, Cal.	1.0
6BF	Powell, Meade W.	Warren, Ariz.	.5
6VI	Pressell, Willis R.	136 Mill St., Reno, Nev.	.5
6QO	Preston, Harold	Hayward, Cal.	.5
6II	Provinse, Floyd	282 Molino St., Long Beach, Cal.	.5
6RV	Querolo, Louis R.	892 Isabella St., Oakland, Cal.	.5
6CH	Raley, Mannie H.	Lordsburg, Cal.	.5
6SP	Rathbun, Theodore B.	1202 S. Normandie Ave., Los Angeles, Cal.	.5
6UB	Ray, George	318 7th St., San Pedro, Cal.	1.0
6VP	Redmond, Joseph	340 30th St., San Francisco, Cal.	.5
6EX	Remelin, Eldred L.	Perris, Cal.	.5
6AFA	Richardson, Franklin	7263 Sunset Blvd., Hollywood, Cal.	.5
6GB	Roberts, Edwin D.	Los Altos, Cal.	.5
6IQ	Robertson, Orlyn N.	202 S. Broadway, Santa Ana, Cal.	.5
6TK	Robinson, Sidney E.	2929 Broadway, Oakland, Cal.	.5
6HZ	Roe, Charles D.	661 S. Chicago St., Los Angeles, Cal.	.5
6GI	Rothe, C. Ernest	86 Viola Ave., San Jose, Cal.	.5
6HR	Royden, Herbert N., jr.	311 Ellsworth Ave., San Mateo, Cal.	1.0
6ET	Rugh, Charles	Los Gatos, Cal.	1.0
6FB	Rutherford, Paul H.	431 San Francisco Ave., Pomona, Cal.	1.0
6HV	Rutledge, Ralph	401 10th St., Colusa, Cal.	.5
6FH	Rutzen, Frank E.	831 Alvarado St., San Francisco, Cal.	.5
6AAV	Ryberg, Walter G.	116 Virginia Ave., San Francisco, Cal.	.5
6FR	Salome, Frederic W.	1493 Harrison St., Oakland, Cal.	.5
6OZ	Sanford, J. Gordon	1117 W. 78th St., Los Angeles, Cal.	.5
6RU	St. Clair, Harold	1645 S. Berendo St., Los Angeles, Cal.	.5
6SC	Sargent, Edward M.	2235 Lake St., San Francisco, Cal.	.5
6NL	Sawyer, Clifford D.	47 Washington St., Reno, Nev.	.5
6ES	Schaefer, Carl	3118 Stillson Ave., Sacramento, Cal.	.5
6HS	Scharr, Henry J.	3611 Allendale Ave., Oakland, Cal.	.5
6OW	Scheidemantel, Oscar A.	5408 Alhise St., Los Angeles, Cal.	1.0
6UZ	Schellenback, Ray	1223 San Julian St., Los Angeles, Cal.	.5
6HK	Schenck, Harry P.	1632 Bush St., San Francisco, Cal.	.5
6VT	Schleicher, Lorenz D.	2728 E. 2d St., Los Angeles, Cal.	.5
6TS	Schneider, Anton	424 20th Ave., San Francisco, Cal.	.5
6AY	Schneider, August G.	530 S. Chicago St., Los Angeles, Cal.	.5
6WS	Schneider, William P.	2716 E. 22d St., Oakland, Cal.	1.0
6FZ	Schroeder, Arthur R.	Mountain View, Cal.	.5
6EA	Seefred, Howard C. and Lyndon F.	343 S. Fremont Ave., Los Angeles, Cal.	.5
6TF	Seely, Frank	2615 Etna St., Berkeley, Cal.	.5
6EO	Sefton, Binger H.	Taft, Cal.	.5
6CT	Seidel, William E.	2717 Brighton Ave., Los Angeles, Cal.	1.0
6TV	Seibert, T. Benton	Chino, Cal.	.5
6NT	Selby, Charles J.	3316 Market St., Oakland, Cal.	1.0
6SD	Shaffer, Charley L.	450 W. Center St., Pomona, Cal.	.5
6IO	Shaffer, John	846 E. 33d St., Los Angeles, Cal.	.5
6UU	Shaffner, Lucius L.	1320 Illinois St., Los Angeles, Cal.	.5
6BP	Shannon, Leslie	334 W. Murray St., Eureka, Cal.	.5
6EP	Sharon, Elwyn F.	576 N. Wilson Ave., Pasadena, Cal.	1.0
6UN	Shaw, William A.	Lemon Grove, Cal.	1.0
6SR	Shelton, R. O.	3443 5th St., San Diego, Cal.	.5
6FS	Short, Frank A.	846 Walnut St., Riverside, Cal.	.5
6KO	Short, Ralph R.	160 Dearborn St., Pasadena, Cal.	1.0

AMATEUR RADIO STATIONS—Continued.

SIXTH DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.  Kw.
6DS	Sikes, Clarence W.	118 Olive Ave., Modesto, Cal.	1.0
6VR	Sisson, Waldo L.	229 S. Cummings St., Los Angeles, Cal.	1.0
6SK	Skaale, Arthur J.	2837 Martinez Ave., Berkeley, Cal.	.5
6DQ	Sleeper, James L.	211 Orange Ave., Santa Ana, Cal.	.5
6LS	Smelser, Laurel J.	318 2d St., Napa, Cal.	.5
6AF	Smith, Edward I.	208 E. 40th Ave., Los Angeles, Cal.	.5
6KZ	Smith, Harold.	3415 Glen Albyn Drive, Los Angeles, Cal.	.5
6SM	Smith, Seth.	78 Peralta Ave., San Francisco, Cal.	.5
6QN	Snider, Wallace.	2031 E. 1st St., Long Beach, Cal.	.5
6PD	Somers, William A.	2057 W. 29th St., Los Angeles, Cal.	.5
6ACS	Sorenson, Carl.	795 Simpson Ave., Salt Lake City, Utah.	.5
6AS	Boules, Ernest H.	75 Bush St., San Jose, Cal.	.5
6WR	Spare, Wilson.	3737 3d St., San Diego, Cal.	.5
6PG	Spatafore, Joseph.	1934-B Folsom St., San Francisco, Cal.	.5
6NO	Spaulding, Leland J.	172 32d Ave., San Francisco, Cal.	.5
6TG	Speir, Godfrey B.	2731 Dwight Way, Berkeley, Cal.	.5
6ST	Spencer, Howard E.	Rivera, Cal.	.5
6SA	Spencer, Oscar J.	33 Douglas St., San Francisco, Cal.	.5
6CK	Spencer, Edward R.	1640 23d Ave., Oakland, Cal.	1.0
6RS	Spring, Fred R.	315 W. 51st Ave., Los Angeles, Cal.	.5
6AZ	Springman, Arthur E.	1818 N. Broadway, Los Angeles, Cal.	1.0
6ABK	Squires, Harold D.	306 S. Pierce Ave., Whittier, Cal.	.5
6DD	Stagl, Guadenzio.	Los Altos, Cal.	.5
6RH	Stamback, Rollo L.	753 Redondo Ave., Long Beach, Cal.	.5
6NZ	Spicer, Clarence.	1005 Riverene Ave., Santa Ana, Cal.	.5
6JS	Squires, John E.	1605 Arch St., Berkeley, Cal.	.5
6JR	Stauffer, John.	601 Broderick St., San Francisco, Cal.	.5
6ABL	Stebbins, Charles L.	222 Short St., Long Beach, Cal.	.5
6TT	Stewart, Francis S.	1919 Fern St., San Diego, Cal.	.5
6RE	Stoddard, Harold.	1309 8th St., Oakland, Cal.	.5
6PW	Stone, Phillip B.	Murray, Utah.	.5
6RP	Stonecipher, Charles E.	7227 S. Moneta Ave., Los Angeles, Cal.	.5
6HP	Stonehocker, Harold.	1732 Webster Ave., Fresno, Cal.	.5
6MZ	Stoudt, Frank L.	340 Francis St., Pomona, Cal.	.5
6CJ	Stowe, Theodore E.	41st Ave., Capitola, Cal.	.5
6AB	Street, George.	1208 Myrtle St., Oakland, Cal.	.5
6SZ	Strong, Stuart E.	268 Jayne St., Oakland, Cal.	1.0
6WG	Strong, William A.	695 Petaluma Ave., San Rafael, Cal.	1.0
6FO	Stubbs, Frank A.	2629 Mission St., San Francisco, Cal.	.5
6GO	Summers, James W.	1061 62d St., Oakland, Cal.	.5
6VB	Sundquist, Fred.	2153 Albee St., Eureka, Cal.	.5
6SU	Sutherland, Clarence.	2334 94th Ave., Oakland, Cal.	1.0
6AAN	Sykes, Joseph.	354 S. Hope St., Los Angeles, Cal.	.5
6AAT	Szukalski, Joseph P.	5610 Mission St., San Francisco, Cal.	.5
6DV	Taenzer, Ernest M.	801 Brent Ave., South Pasadena, Cal.	.5
6JU	Tait, Jack D.	1264 Oxford St., Los Angeles, Cal.	.5
6BK	Talbott, Paul H.	740 S. San Antonio Ave., Pomona, Cal.	.5
6BW	Taylor, Edwin K.	3766 Chamcune Ave., San Diego, Cal.	.5
6EH	Taylor, Frank G.	512 Oak St., San Francisco, Cal.	.5
6TW	Taylor, Hope.	144 12th St., Riverside, Cal.	.5
6OB	Telmont, Hippolyte B.	Mayfield, Cal.	.5
6NH	Terrell, Edwin.	271 8th St., San Pedro, Cal.	.5
6HI	Tesson, Henry A.	2929 Octavia St., Oakland, Cal.	.5
6TX	Thacker, Roy M.	931 Concord St., Los Angeles, Cal.	1.0
6SG	Themer, Francis.	1536 F St., San Diego, Cal.	.5
6KX	Thomas, Courte D.	2801 La Salle Ave., Los Angeles, Cal.	1.0
6UQ	Thompson, Charles E.	1876 15th St., San Francisco, Cal.	.5
6NE	Thompson, Lloyd.	239 E. Whiting Ave., Fullerton, Cal.	1.0
6PQ	Thornton, George N.	Lancha Plana, Cal.	.5
6BY	Thorson, Robert W.	3616 Felton Ave., Richmond, Cal.	1.0
6GQ	Thurman, Alvin C.	7 Grant Ave., Watsonville, Cal.	1.0
6JT	Tibblitts, Jonathan C.	1246 St. Charles St., Alameda, Cal.	.5
6KS	Tilden, C. W.	1635 Maltman Ave., Los Angeles, Cal.	.5
6KG	Tripp, Dwight K.	933 Gramercy Drive, Los Angeles, Cal.	1.0
6IM	Townsend, Irye L.	737 Oakland Ave., Pasadena, Cal.	.5
6CZ	Tubbs, Ernest A.	103 Tribune St., Redlands, Cal.	.5
6WE	Tulp, Ralph.	840 W. 53d St., Los Angeles, Cal.	.5
6ABR	Turner, Herbert C.	1703 S. Berendo St., Los Angeles, Cal.	.5
6OT	Tyler, Otto B.	352 Illinois St., Pomona, Cal.	1.0
6DT	Underwood, Ernest G.	903 E. Commercial St., Inglewood, Cal.	.5
6QZ	Urban, Carl H.	320 Maple St., Reno, Nev.	.5
6GL	Van Auken, George L.	San Jose, Cal.	.5
6ML	Van Manning, Harold.	34 Hunolt St., Santa Cruz, Cal.	.5
6WA	Van Why, Forbes W.	2012 N. Broadway, Los Angeles, Cal.	1.0
6QP	Vodra, George G.	211 S. 20th Ave., Los Angeles, Cal.	.5
6DF	Vogely, Herbert H.	341 Chestnut Ave., Long Beach, Cal.	.5

AMATEUR RADIO STATIONS—Continued.

SIXTH DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
6VU	Vonderhelde, Harold H. . . . .	711 Carson St., Carson City, Nev. . . . .	Kw. 0.5
6BA	Wadsworth, Claude E. . . . .	336 Center St., Healdsburg, Cal. . . . .	.5
6JI	Wagon, Earl B. . . . .	Los Altos, Cal. . . . .	.5
600	Walden, Myran. . . . .	994 57th St., Oakland, Cal. . . . .	.5
60C	Wallace, Donald C. . . . .	1431 Linden Ave., Long Beach, Cal. . . . .	.5
6IG	Wallace, Edward A. . . . .	138 Water St., Santa Cruz, Cal. . . . .	1.0
6VV	Wallace, Forrest P. . . . .	120 S. Monterey St., Alhambra, Cal. . . . .	1.0
6IE	Walter, Gilbert. . . . .	4523 Shattuck St., Oakland, Cal. . . . .	.5
6WO	Walters, Wilbur E. . . . .	410 E. 2d St., Lordsburg, Cal. . . . .	.5
6HT	Walters, William T. . . . .	2140 Tyler Ave., Fresno, Cal. . . . .	1.0
6TJ	Warner, Stafford W. . . . .	1829 West St., Oakland, Cal. . . . .	.5
6KW	Warriner, Willard V. . . . .	245 Eagle Rock Ave., Los Angeles, Cal. . . . .	1.0
6QW	Waters, John E. . . . .	2002 N. Broadway, Santa Ana, Cal. . . . .	1.0
6EY	Watson, Edwin A. . . . .	1611 Walnut St., Alameda, Cal. . . . .	.5
6NW	Webb, Morrison R. . . . .	541 18th St., Oakland, Cal. . . . .	.5
6VV	Webb, Walter R. . . . .	1306 W. 41st St., Los Angeles, Cal. . . . .	1.0
6CS	Webber, Franklin C. . . . .	632 N. Bunker Hill Ave., Los Angeles, Cal. . . . .	1.0
6WU	Weddell, Clarence C. . . . .	2364 Walnut St., San Jose, Cal. . . . .	.5
6AN	Weisbart, Ben. . . . .	136 S. Lucas St., Los Angeles, Cal. . . . .	.5
6VW	Weitfe, Roy. . . . .	2217 Shattuck St., Berkeley, Cal. . . . .	1.0
6DZ	Welch, Gerald D. . . . .	2201 Rose St., Berkeley, Cal. . . . .	1.0
6GW	Werner, George W., jr. . . . .	3039 Adeline St., Berkeley, Cal. . . . .	.5
6DX	Wheelock, Charles. . . . .	143 N. Lime St., Riverside, Cal. . . . .	.5
6UX	Whidden, Ira P. . . . .	1246 Liberty St., Santa Clara, Cal. . . . .	.5
6DO	Whisman, Ray. . . . .	419 38th Ave., San Francisco, Cal. . . . .	.5
6VA	White, G. Richard. . . . .	435 Oakland Ave., Pasadena, Cal. . . . .	.5
6HW	White, Howard. . . . .	822 E. 4th St., Santa Ana, Cal. . . . .	.5
6CX	Whitehead, Stanley K. . . . .	138 N. Ohio St., Los Angeles, Cal. . . . .	.5
6DU	Whitworth, George K. . . . .	265 N. Mountain Trail, Sierra Madre, Cal. . . . .	.5
6FE	Wickersham, Harry H. . . . .	149 San Carlos Ave., San Francisco, Cal. . . . .	.5
6PY	Wight, Ralph W. . . . .	412 Redondo St., Inglewood, Cal. . . . .	.5
6RL	Wiley, Ralph W. . . . .	1250 26th Ave., San Francisco, Cal. . . . .	.5
6PS	Wilkins, Roy A. . . . .	532 N. 17th St., San Jose, Cal. . . . .	.5
6AAM	Willey, Oscar F. . . . .	292 King St., Santa Cruz, Cal. . . . .	.5
6JL	Williams, John C. . . . .	1202 8th St., Oakland, Cal. . . . .	.5
6RZ	Williams, Roy D. . . . .	554 Pine Ave., Long Beach, Cal. . . . .	.5
6NV	Williams, Theodore T. . . . .	295 California Ter., Pasadena, Cal. . . . .	.5
6BH	Williamson, Harry. . . . .	10 S. Church St., Redlands, Cal. . . . .	.5
6OG	Willis, Fred S. . . . .	2140 California St., Eureka, Cal. . . . .	.5
6QB	Wilmot, Allen G. . . . .	2114 3d Ave., Los Angeles, Cal. . . . .	1.0
6AGW	Wilson, Gerard. . . . .	363 S. 11th St., San Jose, Cal. . . . .	1.0
6NP	Wilson, J. Vernon. . . . .	Encanto, Cal. . . . .	.5
6NB	Winter, Gilbert H. . . . .	1742 Bushnell Pl., Berkeley, Cal. . . . .	.5
6FW	Wisner, Fred L. . . . .	1346 30th St., San Diego, Cal. . . . .	.5
6JV	Worthington, Jack. . . . .	548 37th St., Oakland, Cal. . . . .	.5
6SV	Wright, F. Harlow. . . . .	Orange Cove, Cal. . . . .	1.0
6RT	Wright, Harry E. . . . .	935 Harrison St., Oakland, Cal. . . . .	.5
6TC	Wright, Howard E. . . . .	315 Alvarado Court, Pomona, Cal. . . . .	.5
6TY	York, Darwin E and Guy A. . . . .	1001 W. 1st St., Santa Ana, Cal. . . . .	.5
6MQ	Zangrait, Thomas J. . . . .	479 Cypress St., Pasadena, Cal. . . . .	1.0

ALPHABETICALLY BY CALL SIGNALS.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
6AA	Aster, Alvin K.	6ABA	Alexander, L. R.	6ADA	Woods, Hubert.
6AAB	Homenway, Clyde C.	6ABC	Hellikson, Vivian L.	6ADC	Shiner, Gerald.
6AAD	Mahn, Erich G.	6ABF	Moore, Walter.	6ADF	Youngstrom, Charles H.
6AAE	Bray, Harold R.	6ABG	McLaren, Alfred.	6AEF	Johnson, Roy.
6AAF	Collins, Wayne A.	6ABH	Peacock, Vernon L.	6AF	Smith, Edward.
6AAG	Gilbert, P. H.	6ABK	Squires, Harold.	6AFA	Richardson, Franklitt.
6AAH	Gilstrap, Frederick L.	6ABL	Stebbins, Leslie.	6AFC	Callero, Frank.
6AAJ	Linville, Charles R.	6ABM	Bevitt, Edwin R.	6AFD	Manasse, Gerald.
6AAK	Brinkman, Fred E.	6ABO	Evans, Charles C.	6AG	Neuser, Arthur A.
6AAL	Lyon, John.	6ABR	Turner, Herbert C.	6AGB	Bockman, George.
6AAM	Willey, Oscar F.	6AC	Capwell, Cebert E.	6AGG	Griffin, Ellis.
6AAP	Beal, Ira.	6ACA	Andrews, Clarence.	6AGW	Wilson, Gerard.
6AAR	Bennett, Dudley W.	6ACE	Trout, Delbert.	6AH	Botts, James.
6AAT	Szukalski, Joseph P.	6ACH	Heaney, Clarence.	6AHA	Herberger, A. E.
6AAV	Ryberg, Walter G.	6ACS	Sorenson, Carl.	6AHE	Evans, Herbert.
6AB	Street, George.	6AD	Diamond, Alfred.		

AMATEUR RADIO STATIONS—Continued.

SIXTH DISTRICT—Continued.

ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
6AHN	Newnan, Harold.	6DJ	Merritt, Lawrence G.	6GO	Summers, J. W.
6AI	Green, Alfred.	6DK	Mundt, C. S.	6GP	Post, George W.
6AJ	Bean, James.	6DM	Higgy, Robert.	6GQ	Thurman, A. C.
6AK	Miller, Albert.	6DO	Whisman, Ray.	6GR	Brown, Clarence C.
6AKA	Whiting, Edmund W.	6DP	Briere, William N., jr.	6GS	Johnson, Phillip.
6ALA	Wells, Herbert.	6DQ	Sleeper, James L.	6GT	Knudsen, George.
6ALB	Stuart, Burton G.	6DR	Leverly, F. B.	6GU	Anzini, Daniel I.
6ALC	Erikson, Elwood.	6DS	Sikes, C. W.	6GV	Jones, Alfred Henry.
6ALD	Dye, Leland.	6DT	Underwood, Ernest G.	6GW	Werner, George W., jr.
6AM	Benn, Julius.	6DU	Whitworth, George.	6GX	Long, Herman.
6AO	Bargar, Avery E.	6DV	Bales, Edward M.	6GY	Champion, W.
6AP	Chase, John H.	6DX	Wheelock, Charles D.	6QZ	Kern County High School.
6AQ	De La Cruz, George.	6DZ	Welch, Gerald.		
6ARC	Anderson, Andrew.			6HA	Kreamer, John A.
6ARD	Dow, Clifford.	6EA	Seefred, H. C.	6HB	Hunt, Homer.
6ARG	Gerwing, Robert S.	6EB	Bazzini, E. M. H.	6HD	Dickow, H.
6ASR	Browning, Samuel D.	6EC	Lewis, H. E.	6HE	Castro, Morris.
6AT	Heer, A. A., jr.	6ED	Farish, Edward F.	6HG	Hart, Gardner Lloyd.
6AU	Clark, Paul U.	6EE	Bilhimer, S. J.	6HI	Tessien, Henry.
6AW	Cullen, Paul.	6EG	Poage, Edward.	6HJ	McIntosh, Harold St. J.
6AY	Schnelder, August G.	6EH	Taylor, Frank.		
6AZ	Springman, Arthur.	6EI	Walters, Wilbur E.	6HK	Sohenek, H. P.
		6EK	Ellerle, Chrissie.	6HL	Linhoff, Harold.
6BA	Wadsworth, C. E.	6EM	McGuire, Edward.	6HM	Murphy, Harold J.
6BB	May, Howard.	6EN	Miller, Elmer.	6HN	Fredericksen, C. J.
6BC	Oldham, William, jr.	6EO	Sefton, Binger.	6HO	Ardenyi, William A.
6BD	Carter, E. Stewart.	6EP	Sharon, E. F.	6HP	Stonehocker, Harold.
6BE	Birkeland, Andrew.	6EQ	Robert, Jonathan L.	6HR	Boyd, Herbert.
6BF	Powell, Meade W.	6ER	Peffler, Norman.	6HS	Schnarr, H. J.
6BG	Grates, John.	6ES	Schoefer, Carl.	6HT	Walters, William.
6BH	Williamson, Harry.	6ET	Fenner, Paul R.	6HU	Rutledge, Ralph.
6BI	Moore, Ezra.	6EU	Mihelson, Melvin O.	6HV	Ferrill, H. E.
6BJ	Bunting, Lawrence.	6EW	Bertin, Edwin.	6HW	White, Howard.
6BK	Talbot, Paul H.	6EX	Remalin, Eldred Lea.	6HX	Hare, Robert.
6BL	Betterly, Jack.	6EY	Watson, Edwin A.	6HY	Davidson, Merritt.
6BN	Mentzer, Leonard.	6EZ	McHolland, Raymond.	6HZ	Roe, Charles.
6BO	Mattoon, Stanley.			6IA	Griffiths, Walter Mayne.
6BQ	Arbing, Bartley.	6FA	Arnberger, F., jr.	6IB	Bauchou, Leon J.
6BR	Peelle, Russell.	6FB	Rutherford, Paul.	6IC	Austin, Russell Frederick.
6BS	Green, Carl, jr.	6FC	Isham, Carlton.		
6BT	Cantelow, Elbridge M.	6FE	Wickerabam, Harry N.	6ID	Barton, Harry.
6BU	Mills, Harry.			6IF	Farwell, Ilyn.
6BV	Munzig, Arthur.	6FF	Cosgrove, Clarence E.	6IH	Hazeltin, Ralph L.
6BX	Lankston, Jesse M.	6FG	Bauman, W.	6II	Provinse, Floyd.
6BY	Thorson, Robert.	6FH	Rutzen, F.	6IJ	Boehme, Herbert.
6BZ	Fickas, William.	6FI	Evaeth, Harlan A.	6IK	Grotsinger, Clarence.
		6FJ	Barnum, Colt L.	6IL	Mahler, James J., jr.
6CA	Lowell, Charles, jr.	6FL	Hugh, Freeman.	6IM	Townsend, Irye.
6CB	Bascom, C. N.	6FM	Carrall, Russell W.	6IN	Lewelling, Raymond.
6CC	Canfield, Carlton E.	6FN	Deetkin, Fred.	6IO	Shaffer, John.
6CD	Abbott, Clare C.	6FO	Stubbe, Frank.	6IP	Marsh, Hallan.
6CE	Clark, J. R.	6FP	Parke, Francis M.	6IQ	Robertson, Orlyn.
6CF	Curtis, Burbank.	6FQ	Foster, Harold M.	6IS	Andrews, Carl.
6CH	Raley, M. Le Roy.	6FR	Salome, Frederick W.	6IU	Hutchinson, Howard W.
6CI	Hillen, Russell W.	6FS	Short, F. A.	6IW	Muller, Lloyd.
6CK	Spencer, Edward R.	6FT	Munger, C. D.	6IY	Pilppton, Roe.
6CL	Cosby, Mark Barrett.	6FV	Foulon, Fred.		
6CM	Phillips, Carroll J.	6FW	Wisner, Fred.	6JA	Knight, James B.
6CN	Hendricks, Charles F.	6FY	Bonar, Perry.	6JB	Tasse, Glenn.
6CP	Pickard, Clifford.	6FZ	Schroeder, Arthur R.	6JC	Kullin, John, jr.
6CQ	Kemper, Horace.			6JD	Binney, John.
6CR	Potter, Lee.	6GA	Andrews, Gaylord.	6JE	Mead, John H.
6CS	Webber, F.	6GH	Roberts, Edwin D.	6JG	Homand, James.
6CT	Seidel, William.	6GI	Green, H. A.	6JH	Koepfl, Jos. B.
6CV	Anderson, Donald S.	6GJ	Fackrell, G. O.	6JI	Wagnon, E. B.
6CX	Whitehead, Stanley.	6GK	Corpe, G. S.	6JJ	Klahn, Leander.
6CY	Lundy, Elmer.	6GL	Farmer, Gordon.	6JK	Williams, John.
6CZ	Tubbe, Ernest A.	6GM	Mackin, George R.	6JM	McCargar, J. L.
		6GN	Grossnickle, Russell R.	6JN	Livesay, J. Russell.
6DA	Bolton, Herbert B.			6JO	Hayden, Jack.
6DC	Hibbard, Charles, jr.			6JP	Clark, John.
6DD	Stagl, Guasenzio.			6JQ	Carroll, Lionel.
6DE	Davidson, James D.			6JR	Stauffer, John.
6DF	Buckner, H. E.				
6DG	Duffy, Guy.				
6DH	Grimes, W. Frank.				
6DI	Cookson, H.				



## AMATEUR RADIO STATIONS—Continued.

## SIXTH DISTRICT—Continued.

## ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
6JS	Squires, John E.	6MW	Lauritsen, Albert	6PY	Wight, Ralph W.
6JT	Tibbitts, Jonathan C.		Miller.	6PZ	Brown, Robert L.
6JU	Tait, Jack.	6MX	Macurda, Malcolm.	6QA	Myers, Harry.
6JV	Worthington, J.	6MY	Johnston, Robert.	6QC	Perry, Oliver.
6JW	Meyer, Joseph.	6MZ	Stoudt, Frank L.	6QD	Finley, W. E.
6JX	Pollitt, Chalmers L.			6QE	Clewett, Heber.
6JY	Humphrey, Estil.	6NA	Nielson, Anders.	6QF	Clements, F. P.
6JZ	O'Neill, Frank Murray.	6NB	Winter, Gilbert H.	6QG	Nelson, Martin A.
		6NC	Gould, William.	6QH	Flaig, Philip.
6KA	Dickey, Herbert A.	6ND	Breck, F. B.	6QI	Crissman, Robert.
6KB	Olmstead, Charles.	6NE	Thompson, Lloyd.	6QJ	Shannon, Thomas Joseph P.
6KC	Bolton, Herbert J.	6NF	Newton, Francis.		Gill, Fred M.
6KD	Dutton, Kingsley.	6NJ	C u n n i n g h a m , Edward J.	6QK	Nickle, Harold Albert.
6KE	Jackson, M.			6QM	Snider, Wallace.
6KF	Jones, Ernest P.	6NK	Duncan, Harold.	6QN	Vodra, George.
6KI	Mills, Eldon Cecil.	6NL	Sawyer, C. D.	6QP	Chase, Ralph N.
6KJ	Neff, Cecil.	6NM	Carter, Kenneth.	6QR	Henry, William Joseph.
6KK	Dalby, William.	6NN	Bowen, Walter.	6QT	Dalton, Stuart P.
6KM	Davidson, George A.	6NO	Spaulding, L. J.	6QU	Garretson, Oliver.
6KN	Short, Ralph Randall.	6NP	Wilson, J. Vernon.	6QV	Kimm, George N.
6KO		6NQ	Francis, Ernest R.	6QW	Waters, John E.
6KP	Miller, Murray.	6NQ	Neville, Glenn.	6QX	Baird, Maxfield A.
6KQ	Brennan, R. P.	6NT	Selby, Charles Joseph.	6QZ	Urban, Carl Henry.
6KR	Roltisch, George A.			6RB	Barbagelata, Russell.
6KS	Tilden, C. W.	6NU	Heppenstall, W. L.	6RC	Moerlis, Russell.
6KU	Mealer, Loyal D.	6NW	Webb, Morrison.	6RD	Deardorf, Ralph W.
6KV	Hankins, Marvin J.	6NX	Calvert, Paul.	6RE	Stoddard, Harold.
6KW	Warriner, W. V.	6NY	Bagley, William.	6RF	Closson, William.
6XX	Thomas, Courte D.	6NZ	Spicer, Clarence.	6RG	Downs, Robert.
6KZ	Smith, Harold.	6OA	Adams, E. R.	6RH	Stambach, Rollo L.
		6OB	Talmont, Hippolyte B.	6RI	Hanchett, Robert.
6LA	Parker, Ralph.			6RK	Kelley, Roger M.
6LD	Haskell, Charles.	6OC	Wallace, Donald C.	6RM	Gabriel, Edward Joseph.
6LE	Lewis, Tony.	6OD	Foster, Lewis.		
6LF	Lohry, Ross B.	6OE	Ostronik, Rudolph.	6RN	Norton, Russell.
6LG	Lee, George R.	6OF	Kroman, Robert.	6RP	Stonacipher, Charles.
6LH	Hunt, Lloyd F.	6OG	Walte, H. E.	6RQ	Abrahamson, R.
6LI	Issacs, L. R.	6OH	Bonham, C. L.	6RR	Herman, Edward William.
6LJ	Olmstead, William H.	6OI	Dawson, J. Percy.	6RT	Wright, Harry E.
6LK	Fox, Irving Allen.	6OJ	Peterson, Frank.	6RU	St. Clair, Harold.
6LL	Griffith, William.	6OK	Dillon, Lyle.	6RV	Querolo, Louis.
6LM	Erier, Robert.	6OL	Peterson, Odin.	6RW	Garver, Oliver.
6LN	Long Beach Polytechnic High School.	6ON	Hoover, Peter.	6RX	Dieterich, Martin.
		6OO	Waldon, Myran.	6RZ	Williams, Roy D.
6LO	Lory, C. E.	6OP	Altland, Comer P.		
6LP	Gray, C. L.	6OQ	Lemon, Melville L.	6SA	Spencer, Oscar.
6LQ	Duborg, George.	6OR	Nielson, Fred.	6SB	Clark, Jean H.
6LR	Baker, Jesse Edgar.	6OT	Tyler, Otto.	6SC	Sargent, Edward M.
6LS	Cooksey, Claybourne D.	6OU	Hawley, George N.	6SD	Shaffer, Charles.
		6OV	Atkins, Carl.	6SE	Preston, Harold.
6LT	Farolita, Dominic A.	6OW	Schiedmantel, Oscar.	6SF	Fuller, Etson Sidney.
6LU	Oliver, Leslie.	6OX	Martin, Andrew W.	6SG	Themer, Francis.
6LV	Passage, Raye.	6OY	Dodson, L. O.	6SH	MacQuarrie, Harold.
6LW	Phelps, Allen G.	6OZ	Sanford, J. Gordon.	6SI	Hoyt, Leander L.
6LX	Parkin, John.			6SJ	Lopez, John.
6LY	Ladley, W. A.	6PA	Heing, E. C.	6SK	Scaale, A. J.
6LZ	Burgess, Charles W.	6PB	Pagh, Val.	6SL	Hart, Cedric Elliott.
		6PC	Bumbaugh, Harold.	6SM	Smith, Seth.
6MA	Montgomery, Alvin R.	6PD	Somers, William.	6SN	Edwards, Lewis.
		6PE	Fleming, Robert.	6SO	Parkin, Gladys K.
6MB	Jopson, Frank.	6PG	Spatafore, Joseph.	6SP	Rathbun, Theodore.
6MC	McGown, Dudley B.	6PH	Nelson, Harry.	6SQ	Fonseca, Arthur.
6ME	Gregory, Marshall.	6PI	Furman, Oliver.	6SR	Shelton, Dr. R. O.
6MF	Fitzpatrick, Gerald.	6PJ	Gale, Paul.	6SS	Morrow, James W.
6MI	Hooper, Herbert D.	6PK	Latta, Paul.	6ST	Spencer, H. E.
6MJ	Hickman, Roger Wayne.	6PL	Kublas, R. M.	6SU	Sutherland, C.
		6PM	Hamilton, O. J.	6SV	Wright, Harlow.
6ML	Manning, Harold V.	6PN	Nesbit, Paul.	6SW	Anderson, Elroy E.
6MM	Moore, Norval E.	6PO	Drath, Walter.	6SX	Johnson, A. E.
6MN	Maher, Edward T.	6PQ	Thornton, George.	6SY	Josephs, Howard.
6MO	Dargitt, Jesse L.	6PR	Murkett, Phillip T.		
6MP	Parson, William.	6PS	Wilkins, Roy.		
6MQ	Anderson, Sante.	6PT	Nulson, William B.		
6MR	Neher, Loyal A.	6PU	Hamilton, Howard.		
6MS	McArdle, James J.	6PV	Hann, C. W.		
6MV	MacKullen, Gerald.	6PX	Barlow, Roy.		

AMATEUR RADIO STATIONS—Continued.

SIXTH DISTRICT—Continued.

ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
6TA	Nelk, T. J.	6UK	Heald's Business College.	6VS	Brundige, Reginald.
6TB	Dietz, Irwin.	6UL	Cordano, Dante H.	6VT	Schleicher, Lorenz.
6TC	Wright, Howard.	6UM	Schack, Fred.	6VU	Vonderheide, Harold H.
6TD	Dowling, Thomas.	6UN	Shaw, William.	6VV	Wallace, Forrest.
6TE	Heuter, Noble.	6UO	Polkinghorn, Frank A.	6VY	Kreiss, R. L.
6TF	Seely, Frank.	6UP	Cresswell, Frank, jr.	6VZ	Strawn, Harold.
6TG	Blodgett, Harry.	6UQ	Thomson, C. E.	6WA	Van Why, Forbes.
6TH	Fabian, Ernest.	6UR	Link, R. L.	6WB	Moller, Wm., jr.
6TI	O'Dell, James J.	6US	Gibson, Walter.	6WC	Kirby, H. F.
6TJ	Warner, Stafford W.	6UT	Everard, Charles.	6WD	Martinell, Ennio Hiller.
6TK	Robinson, Sidney E.	6UU	Shaffner, Lucius.	6WE	Tulp, Ralph.
6TL	Grow, Frank.	6UV	Fassett, Lee.	6WF	Ford, Walter B.
6TM	Lee, Howard.	6UW	Maynes, W. W.	6WG	Strong, William A.
6TN	Snyder, Andy B.	6UY	Everhart, Lawrence.	6WH	Fabling, W. D.
6TO	McFern, Arthur.	6UZ	Schellenbach, Ray.	6WI	Powell, Jos.
6TP	Johnson, Harold.	6VA	White, Richard.	6WJ	Bickel, John.
6TQ	Emmerton, Alfred.	6VC	Gottwald, Eugene.	6WK	Nickels, Lee.
6TR	Farrill, Raymond.	6VD	Loudon, Donald F.	6WL	Leland, Wallace.
6TT	Stewart, Francis.	6VE	Beraldo, Dewey.	6WM	Ludlow, William.
6TU	Barnett, Thomas.	6VF	Leigh, P. P.	6WN	Klem, Cleve.
6TV	Settel, T. Benton.	6VG	Fowler, L. D.	6WO	Walters, W. E.
6TW	Taylor, Hope.	6VH	Blackstone, C. M.	6WP	Brown, N. C.
6TX	Thacker, R. M.	6VI	Pressell, W. R.	6WQ	Cowles, John.
6TY	York, Darwin.	6VJ	Kinsman, Jos. W.	6WR	Spare, Wilson.
6TZ	Christenson, Howard.	6VK	Kemp, Victor.	6WS	Schneider, W. P.
6UA	Asadorian, Theodore N.	6VL	Bell, Oran M.	6WT	Mann, Frank.
6UC	Nusser, George.	6VM	Clark, Herbert.	6WU	Weddell, Clarence.
6UD	Blitz, Vernice.	6VN	Carter, Robert.	6WV	Webb, Walter R.
6UE	Kramer, Augustus A.	6VO	Lee, John.	6WX	Ebert, William.
6UH	Gates, Howard.	6VP	Redmond, Joseph.	6WY	Young, William.
6UI	Helmer, Glenn.	6VR	Sisson, W. L.	6WZ	Barringer, Hall.
6UJ	Day, E. C.				

SEVENTH DISTRICT.

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

ALPHABETICALLY BY OWNERS OF STATIONS.

Call signal.	Owner of station.	Location of station.	Power.
7KH	Adams, Alfred L.	Silverton, Oreg.	Kw. 0.5
7EA	Adams, Edison.	1131 South E St., Tacoma, Wash.	.5
7KK	Adams, Le Roi T.	364 Monroe St., Portland, Oreg.	.5
7DE	Aiken, Robert L.	306 W. Mohawk St., Portland, Oreg.	.5
7OF	Allard, Ambrose.	Evanston, Wyo.	.5
7LC	Anderson, Leonard.	218 9th Ave., N., Seattle, Wash.	1.0
7HA	Andrews, Horton R.	2105 45th St., SW., Seattle, Wash.	.5
7KJ	Armstead, James H.	109 Cherry St., Centralia, Wash.	1.0
7BJ	Ballargeon, George J.	St. Martin's College, Lacey, Wash.	.5
7FD	Bancroft, Harvey.	3024 Kromer Ave., Everett, Wash.	.5
7JA	Barnhisel, Howard.	505 North I St., Tacoma, Wash.	.5
7BU	Barrell, Dana A.	839 W. Pennsylvania Ave., Medford, Oreg.	1.0
7LS	Barrett, George G.	1200 9th Ave., Lewiston, Idaho.	1.0
7BF	Bay, Frank W.	1513 Adams Ave., La Grande, Oreg.	.5
7BL	Bennett, John S.	419 Karr Ave., Hoquiam, Wash.	.5
7QD	Benoit, Neville R.	869 S. 41st St., Tacoma, Wash.	.5
7VB	Bird, Vernon J.	406 W. 12th St., Vancouver, Wash.	.5
7BA	Bishoff, Clarence L.	7417 53d Ave. SE., Portland, Oreg.	.5
7DJ	Blagen, Henry W.	914 Maple St., Hoquiam, Wash.	1.0
7PC	Boardwell, Perry L.	Camas, Wash.	.5
7OK	Bode, Hugo P.	6315 Beacon Ave., Seattle, Wash.	.5
7DB	Bolstad, Archie L.	1832 4th Ave., W., Seattle, Wash.	.5
7TB	Borders, Lawrence.	1084 Water St., Portland, Oreg.	.5
7BT	Boslar, Orin E.	Vancouver, Wash.	.5
7HB	Breum, Helmer O.	3416 S. Madison St., Tacoma, Wash.	1.0
7GB	Butterfield, George H.	815 Kearney St., Portland, Oreg.	1.0

## AMATEUR RADIO STATIONS—Continued.

## SEVENTH DISTRICT—Continued.

## ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Kw.
7MK	Callender, Melville H.	593 15th St., Astoria, Ore.	0.5
7CT	Carpenter, Edward L., Jr.	119 E. 5th St., Aberdeen, Wash.	.5
7HE	Carroll, Thomas M.	1913 E. Alder St., Seattle, Wash.	.5
7WC	Cates, Walter C.	1704 Franklin St., Vancouver, Wash.	1.0
7LI	Cavender, Howard M.	511 Terry Ave., Seattle, Wash.	.5
7QF	Chaffee, Arthur L.	3637 Woodland Park Ave., Seattle, Wash.	.5
7NA	Charlton, Chase.	108 Galer St., Seattle, Wash.	.5
7CQ	Christianson, Herbert.	112 W. Poplar St., North Yakima, Wash.	.5
7CV	Clark, G. Warren	Lents, Ore.	.5
7AE	Clark, Gaylord S.	Greybull, Wyo.	.5
7NC	Clofelter, Nolan A.	1221 E. Madison St., Portland, Ore.	.5
7RC	Cook, Richard H.	324 North I St., Tacoma, Wash.	1.0
7EI	Craig, Russell E.	1420 Division Ave., Tacoma, Wash.	.5
7DC	Crockett, George D.	1420 Hawthorne Ave., Portland, Ore.	.5
7CA	Crosby, Edward J.	508 E. Sharp Ave., Spokane, Wash.	.5
7HC	Cutting, H. Everett.	318 N. Black Ave., Bozeman, Mont.	.5
7AC	Dailey, A. C.	3915 Colby St., Everett, Wash.	1.0
7DP	Dann, Percy W.	6315 63d Ave., S.E., Portland, Ore.	.5
7HD	Davis, Hubert A.	1904 Canoe Pl., Seattle, Wash.	.5
7AT	Deady, Joseph.	1002 E. Jefferson St., Seattle, Wash.	.5
7DO	De Guire, Olfan.	Silverton, Ore.	.5
7CD	De Lacy, Clinton.	1906 South J St., Tacoma, Wash.	.5
7EG	Denham, Ray A.	3230 Campbell St., Baker, Ore.	1.0
7EM	Divine, Louis R.	1010 E. 7th St., Vancouver, Wash.	.5
7DK	Drake, Edward F.	2304 N. Anderson St., Tacoma, Wash.	.5
7DQ	Drinker, Russell.	1003 Lynn Ave., Portland, Ore.	1.0
7VD	Du Cette, Victor.	4023 Meridian Ave., Seattle, Wash.	.5
7NB	Duncan, Thomas W.	802 Gerald Ave., Missoula, Mont.	.5
7DT	Dupea, Eldred E.	707 S. Cushman Ave., Tacoma, Wash.	.5
7CN	Emigh, Charles.	335 Grove St., Walla Walla, Wash.	1.0
7DN	Engholm, Bernard.	9 N. 9th Ave., North Yakima, Wash.	1.0
7FF	Farris, Frank E.	1010 Spring St., Olympia, Wash.	.5
7VW	Fitzpatrick, George.	3245 Ferdinand St., Seattle, Wash.	.5
7FI	Fraser, James E.	1105 West A St., North Yakima, Wash.	.5
7FK	Gale, Charles W.	111 E. 48th St., Portland, Ore.	.5
7BG	Gianelli, Salver A.	517 E. Sharp Ave., Spokane, Wash.	.5
7GF	Gibbs, Francis F.	512 E. 4th St., Hood River, Ore.	.5
7NL	Goodner, Ernest F.	Lincoln High School, Seattle, Wash.	1.0
7DI	Goodger, Donnan P.	4214 Interlake Ave., Seattle, Wash.	.5
7GR	Gratke, Charles E.	517 Grand Ave., Astoria, Ore.	.5
7ND	Grush, David R.	383 19th St., Astoria, Ore.	.5
7GO	Hagen, Bert W. R.	217 N. Miles Ave., North Yakima, Wash.	.5
7RI	Hager, Clement S.	1019 E. 54th St., Tacoma, Wash.	.5
7LJ	Harder, Louis.	360 Hancock St., Portland, Ore.	.5
7JI	Harding, James R.	3434 Commercial St., Salem, Ore.	1.0
7KC	Harker, Theodore C.	920 Sumner St., Sheridan, Wyo.	.5
7EE	Hawkins, Edward K.	1800 27th Ave. S., Seattle, Wash.	.5
7HO	Hawkins, Ernest P.	556 Grand Ave., Astoria, Ore.	.5
7HQ	Hayden, Henry T., Jr.	Port Townsend, Wash.	.5
7OC	Helfort, Earle R.	707 Lincoln St., Port Townsend, Wash.	.5
7GC	Henny, George C.	530 Heights Ter., Portland, Ore.	.5
7FN	Holloway, William L., Jr.	428 Hemlock St., Helena, Mont.	.5
7FS	Horstman, Herschel J.	807 4th St., La Grande, Ore.	.5
7BQ	Howard, Cecil C.	408 Benton St., Portland, Ore.	.5
7GP	Hunter, Gny A.	518 Willow St., Port Townsend, Wash.	.5
7JH	Hurt, John N.	1067 E. Burnside St., Portland, Ore.	.5
7EK	Ives, Jesse F.	301 N. 32d St., Seattle, Wash.	.5
7AI	Johnson, Clifford E.	1004 N. Adams St., Tacoma, Wash.	.5
7JP	Jolly, Charles W.	507 Prospect Ave., Lewiston, Idaho.	.5
7JL	Jones, Lloyd W.	134 E. 45th St., Portland, Ore.	.5
7PJ	Jones, Paul.	Wheatland, Wyo.	.5
7CJ	Josephson, Carl L.	638 Commercial St., Astoria, Ore.	.5
7BV	Joyce, Theodore W.	206 E. 19th St. N., Portland, Ore.	.5
7KR	Keeffe, Robert M.	121 Avenue D, Snohomish, Wash.	.5
7BO	Keinath, Alvin.	246 Going St., Portland, Ore.	.5
7WJ	Kennedy, William.	Tillamook, Ore.	.5
7RK	Kertson, Ross J.	3224 E. 28th St., Portland, Ore.	.5
7JC	Keyes, John A.	1004 North K St., Tacoma, Wash.	.5
7WK	Kleist, Walter A.	902 S. Yakima Ave., Tacoma, Wash.	1.0
7KO	Koehler, Frank A.	603 E. Davis St., Portland, Ore.	.5
7PV	Kraft, Vincent I.	4745 N. 11th Ave., Seattle, Wash.	1.0
7CK	Larson, Elwood A.	733 E. 38th Ave., Spokane, Wash.	.5
7NI	Learned, George H.	Forest Grove, Ore.	.5
7FQ	Lewis, Harold H.	R. F. D. No. 2, Lewiston, Idaho.	.5
7FL	Ling, Frank Moy.	506 Mill St., Portland, Ore.	.5
7LQ	Linsley, Harry.	Evanston, Wyo.	.5

AMATEUR RADIO STATIONS—Continued.

SEVENTH DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Kw.
7HL	Longmire, Harold D.	408 32d St. S., Tacoma, Wash.	0.5
7LU	Ludgate, Wallace, Jr.	2190 Alki Ave., Seattle, Wash.	.5
7LL	Lunan, Leslie.	806 South M St., Tacoma, Wash.	.5
7LN	Lyman, Rollo.	905 N. Ave., La Grande, Oreg.	.5
7LB	Mahan, Le Roy J.	644 Exchange St., Astoria, Oreg.	1.0
7HK	Mahler, Harold E.	4730 20th Ave. NE., Seattle, Wash.	1.0
7MT	Matthews, Harold L.	2922 S. Adams St., Tacoma, Wash.	.5
7GL	Manca, Angelo C.	1816 E. Jefferson St., Seattle, Wash.	.5
7MQ	Marquis, A. N., Jr.	618 Spring St., Seattle, Wash.	.5
7DL	Mason, Dwight A.	817 N. 13th St., Tacoma, Wash.	.5
7ML	Mason, Howard F.	3566 Morgan St., Seattle, Wash.	.5
7SA	Maybee, Loren C.	104 Depot St., Milton, Oreg.	.5
7TW	McCord, David T. W.	251 St. Clair St., Portland, Oreg.	.5
7DU	McCoy, Harry.	116 N. Washington Ave., Centralia, Wash.	1.0
7CU	McDermott, Thomas H.	339 26th Ave., Seattle, Wash.	.5
7CP	McElwee, James.	301 N. Grand Ave., Bozeman, Mont.	.5
7DD	McKinnon, Daniel.	Spiketon, Wash.	.5
7MJ	Mead, Walter J.	Nehalem, Oreg.	1.0
7FJ	Miller, Clinton E.	394 11th St., Portland, Oreg.	.5
7EM	Miller, E. Clarence.	504 E. Republican St., Seattle, Wash.	.5
7MF	Miller, George C.	1005 E. Division Lane, Tacoma, Wash.	1.0
7DM	Minkler, Darrell.	9 Mistletoe St., Medford, Oreg.	1.0
7MW	Mitchell, Walter L.	3613 Densmore Ave., Seattle, Wash.	.5
7AQ	Moe, George.	4118 Tyler St., Tacoma, Wash.	.5
7AF	Moore, Alvin.	634 E. 56th St., Portland, Oreg.	.5
7QN	Moore, E. H.	Queene Anne High School, Seattle, Wash.	.5
7NK	Nelson, Julius F.	Rathdrum, Idaho.	.5
7ON	Nicholson, W. Otto.	3115 S. 7th St., Tacoma, Wash.	1.0
7NH	Nilsen, George A.	4028 East K St., Tacoma, Wash.	.5
7LD	Noel, Lionel S.	Snohomish, Wash.	.5
7SN	Norman, Stacy W.	137 79th St., Seattle, Wash.	.5
7EN	O'Connell, John.	1104 O Ave., La Grande, Oreg.	.5
7OA	O'Connor, William C.	1029 E. Clackamas St., Portland, Oreg.	.5
7OM	Ormsby, Major.	438 S. Center St., Casper, Wyo.	1.0
7PK	Palmer, Robert S.	1321 Columbia St., Hood River, Oreg.	1.0
7PL	Patterson, Fred.	865 Williams Ave., Portland, Oreg.	.5
7LP	Peek, Loyd A.	4916 Wallingford Ave., Seattle, Wash.	.5
7EP	Peterson, Edward T.	718 E. Ash St., Portland, Oreg.	.5
7HN	Pinkman, Herbert N.	1330 8th Ave., Seattle, Wash.	1.0
7VP	Pitner, Vearl.	4118 S. Grand Blvd., Spokane, Wash.	1.0
7PO	Poole, Orell A.	Wallowa, Oreg.	.5
7WP	Ralston, Graham W.	Port Townsend, Wash.	.5
7IS	Ramsay, James S.	215 E. 9th St., Ellensburg, Wash.	.5
7PF	Rasmussen, Viggo P.	1215 Hudson St., Port Townsend, Wash.	.5
7JQ	Ray, James.	2028 6th Ave., Seattle, Wash.	.5
7GQ	Reeder, Ardis H.	412 South K St., Tacoma, Wash.	.5
7HR	Reichert, Howard G.	1014 E. 30th St., Tacoma, Wash.	1.0
7JN	Richards, John, Jr.	143 Matte St., Meaderville, Mont.	.5
7AV	Root, Charles W.	905 S. Jersey St., St. Johns, Oreg.	.5
7BN	Rose, Donald W.	717 Lynn Ave., Portland, Oreg.	.5
7AP	Rosedale, Archie E.	267 9th St., Astoria, Oreg.	.5
7kD	Runyard, A. Don.	706 Dakota St., Medford, Oreg.	1.0
7FR	Rush, Floyd M.	930 S. 13th St., Salem, Oreg.	.5
7RF	Rybert, Roy E.	525 Federal Ave., Seattle, Wash.	.5
7SP	Samms, Philip C.	415 9th Ave. S., Pocatello, Idaho.	1.0
7NS	Sanborn, Ned.	501 M St., Hoquiam, Wash.	.5
7SD	Schurch, Edward C.	Deer Lodge, Mont.	.5
7BK	Smeak, Earl.	490 Morrison St., Portland, Oreg.	.5
7SC	Sparks, A. Eldon.	1029 Walnut St., Baker, Oreg.	.5
7GE	Spencer, Guy E.	446 6th St., Portland, Oreg.	.5
7WS	Sparrow, William T.	932 W. 63d St., Seattle, Wash.	1.0
7CS	Spike, Clifford.	806 South I St., Tacoma, Wash.	.5
7MR	Spiker, Emmet E.	715 10th St., Lewiston, Idaho.	.5
7RS	Sfarr, Eugene C.	Falls City, Oreg.	.5
7MS	Steensen, Mark D. S.	206 N. Nachez Ave., North Yakima, Wash.	.5
7LV	Stenso, Alvin.	1922 South J St., Tacoma, Wash.	.5
7SJ	Stewart, Glenn R.	111 W. 8th St., Ellensburg, Wash.	1.0
7SL	Stinson, Leo.	2428 Pacific Ave., Hoquiam, Wash.	.5
7SF	Stoner, Lloyd E.	R. F. D. No. 1, Astoria, Oreg.	.5
7SW	Swan, Emil.	1461 Portsmouth Ave., Portland, Oreg.	1.0
7RH	Teeson, Robert.	Camas, Wash.	.5
7DH	Tennican, Leonard S.	4010 Colby Ave., Everett, Wash.	1.0
7NF	Tingstad, Anton R.	2128 S. Wilkeson St., Tacoma, Wash.	.5
7JR	Tolmie, Mack R.	1213 Columbia St., Seattle, Wash.	.5
7RT	Trapeur, Robert E.	909 Madison St., Port Townsend, Wash.	.5
7PG	Truesdell, Herbert M.	2730 E. 63d St., Seattle, Wash.	.5

AMATEUR RADIO STATIONS—Continued.

SEVENTH DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
7FP	Trumbull, William L. ....	365 McGrew St., Seattle, Wash. ....	Kw. 1.0
7JU	Tuerck, John K. ....	495 Harrison St., Portland, Ore. ....	.5
7VN	Van Olinda, Oliver S. ....	R. F. D. No. 1, Vashon, Wash. ....	.5
7VA	Vreeland, Thad. ....	210 Graham Ave., Portland, Ore. ....	1.0
7WR	Walling, Raymond. ....	946 S. 12th St., Salem, Ore. ....	.5
7KM	Watkins, Leslie W. ....	Wheatland, Wyo. ....	.5
7SI	Weagle, S. A. ....	2006 Cove Ave., La Grande, Ore. ....	.5
7LF	White, Lester T. ....	1090 Water St., Portland, Ore. ....	.5
7WA	White, Ruel. ....	313 W. 4th St., Vancouver, Wash. ....	1.0
7MA	Wiley, Irving R. ....	1214 East Madison St., Portland, Ore. ....	.5
7AU	Wilkinson, Albert E. ....	Y. M. C. A. Bldg., Baker, Ore. ....	.5
7BW	Williams, Charles E. ....	8326 13th Ave. N.W., Seattle, Wash. ....	.5
7DW	Willis, Cecil D. ....	1316 Columbia St., Seattle, Wash. ....	.5
7WL	Wilson, Herbert A. ....	365 14th St., Astoria, Ore. ....	.5
7JW	Wilson, John C. ....	295 N. 24th St., Portland, Ore. ....	1.0
7LW	Wollaston, Arthur L. ....	221 N. 11th Ave., Seattle, Wash. ....	.5
7RW	Wright, Raymond F. ....	R. F. D. Port Orchard, Wash. ....	.5
7EY	Young, Farrel. ....	422 S. 2d St., Pocatello, Idaho. ....	1.0

ALPHABETICALLY BY CALL SIGNALS.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
7AC	Dalley, A. C.	7DT	Dupea, Eldred C.	7JH	Hurt, John N.
7AE	Clark, Gaylord S.	7DU	McCoy, Harry.	7JI	Harding, James R.
7AF	Moore, Alvin.	7DV	Sheard, Harold P.	7JK	Wilson, John C.
7AG	Moe, Edwin C.	7DW	Willis, Cecil D.	7JL	Jones, Lloyd W.
7AJ	Johnson, Clifford E.			7JM	Richards, John, jr.
7AP	Rosendale, Archie E.	7EB	Galloway, Walter H.	7JP	Jolly, Charles W.
7AT	Deady, Joseph.	7EE	Hawkins, Edward K.	7JQ	Ray, James.
7AU	Wilkinson, A. E.	7EO	Denham, Ray A.	7JR	Toimie, J. R.
7AV	Root, Charles W.	7EH	Noorlin, Paul V.	7JS	Ramsey, James S.
		7EI	Craig, Russell R.	7JU	Tuerck, John K.
		7EK	Ives, Jesse F.		
7BA	Bischoff, Clarence L.	7EM	Divine, Louis R.	7KC	Harker, Theodore C.
7BF	Bay, Frank W.	7EN	O'Connell, John.	7KH	Adams, Alfred L.
7BL	Bennett, John S.	7EP	Peterson, Edward T.	7KI	Harrington, H. O.
7BN	Rose, Donald W.	7EY	Young, Farrel.	7KJ	Armstead, James H.
7BO	Kelnath, Alvin.			7KK	Adams, LeRoy F.
7BQ	Howard, Cecil C.	7FD	Bancroft, Harvey.	7KM	Watkins, Leslie W.
7BT	Boslar, Orin E.	7FF	Faris, Frank E.	7KO	Koehler, Frank.
7BU	Barrell, Dana A.	7FI	Fraser, James E.	7KR	Keele, Robert M.
7BV	Joyce, Theodore W.	7FJ	Miller, Clinton E.		
7BW	Williams, Charles E.	7FK	Gale, Charles W.	7LB	Mahn, LeRoy J.
		7FL	Ling, Frank Moy.	7LD	Noel, Lionel S.
7CA	Crosby, Edward J.	7FP	Trumbull, Wm. L.	7LF	White, Lester T.
7CD	Delancey, Clinton.	7FQ	Lewis, Harold H.	7LI	Cavender, Howard M.
7CJ	Josephson, Carl L.	7FR	Rush, Floyd M.	7LJ	Harde, Louis.
7CK	Larson, Elwood A.	7FS	Horstman, Herschel J.	7LL	Lunan, Leslie.
7CN	Emigh, Charles.			7LN	Lyman, Rollo.
7CP	McElwee, James.	7GB	Butterfield, Geo. H.	7LP	Peck, Loyd A.
7CQ	Christianson, Herbert.	7GC	Henny, George C.	7LQ	Linsley, Harry.
		7GE	Spencer, Guy E.	7LS	Barrett, George G.,
7CS	Spika, Clifford.	7GF	Gibbs, Francis F.	7LU	Ludgate, Wallace G.
7CT	Carpenter, Edw. L., Jr.	7GL	Mance, Angelo C.		
7CV	Clark, G. Warren.	7GO	Hagen, Bert W. R.	7LV	Stense, Alvin.
		7GP	Hunter, Guy A.	7LW	Wollaston, A. L.
		7GQ	Reeder, Addis H.		
7DB	Bolstad, Archie L.	7GR	Gratke, Charles E.	7MA	Wiley, Irving R.
7DC	Crockett, George D.			7MF	Miller, George C.
7DE	Aiken, Robert Leon.	7HA	Andrews, Horton R.	7MJ	Mead, Walter J.
7DH	Tennican, Leonard S.	7HD	Davis, Hubert A.	7MK	Callender, Melville H.
7DI	Goodger, Donnan.	7HE	Carroll, Thomas M.	7ML	Mason, Howard F.
7DJ	Blagen, Henry W.	7HK	Mahler, Harold E.	7MR	Spiker, Emmett E.
7DK	Drake, Edward F.	7HL	Longmire, Harold D.	7MS	Steenon, Mark.
7DL	Mason, Dwight A.	7HN	Pinkman, Herbert N.	7MT	Matthews, Harold.
7DM	Minkler, Lee D.	7HO	Hawkins, Ernest P.	7MW	Mitchell, Walter.
7DN	Engholm, Bernard.	7HQ	Hayden, Harry T., jr.		
7DO	Deguire, Olfan.	7HR	Reichert, Howard G.	7NC	Clodfelter, Nolan A.
7DP	Dann, Percy W.	7HY	Hicklyn, Harold H.	7ND	Grush, David R.
7DQ	Drinker, Russell.				

AMATEUR RADIO STATIONS—Continued.

SEVENTH DISTRICT—Continued.

ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
7NF	Tingstad, Robert R.	7QD	Benoit, Neville R.	78L	Stinson, Leo.
7NH	Nilson, George A.	7QF	Chaffee, Arthur L.	78N	Norman, Stacy W.
7NI	Learned, George H.	7QN	Moore, E. H.	78P	Samms, Philip C.
7NK	Nelson, Julius F.			78W	Swan, Emil.
7NL	Godger, Ernest F.	7RC	Cook, Richard H.		
7NS	Sanborn, Ned.	7RD	Runyard, A. Don.	7TB	Borders, Lawrence.
		7RF	Ryeborg, Roy E.		
7OA	O'Connor, William C.	7RH	Teeson, Robert.	7VA	Vreeland, Thad.
7OC	Helfort, Earle R.	7RI	Hager, Clement S.	7VB	Bird, Vernon.
7OF	Allard, Ambrose.	7RK	Kertson, Ross J.	7VD	Ducette, Victor N.
7OK	Bode, Hugo P.	7RS	Starr, Eugene C.	7VN	Van Olanda, O. S.
7OM	Ormsby, Major.	7RT	Trapeur, Robert E.	7VP	Pitner, Veral.
7ON	Nicholson, Wm. O.	7RW	Wright, Raymond F.	7VW	Fitzpatrick, George.
7PF	Rasmussen, Viggo P.	79A	Maybe, Loren C.	7WA	White, Ruel.
7PG	Truesdell, Herbert M.	78C	Sparks, Aurelius E.	7WC	Cates, Walter C.
7PJ	Jones, Paul.	78D	Schurch, Edward C.	7WJ	Kennedy, Will.
7PK	Palmer, Robert S.	78F	Stoner, Lloyd E.	7WK	Kleist, Walter A.
7PL	Patterson, Fred.	78G	Glanelli, Salver A.	7WL	Wilson, Herbert A.
7PO	Poole, Orall A.	78H	Schrotke, Christian.	7WP	Ralston, Graham W.
7PV	Kraft, Vincent I.	78I	Weagel, S. A.	7WR	Walling, Raymond.
		78J	Stewart, Glenn R.	7WS	Sparrow, William T.

EIGHTH DISTRICT.

[Headquarters: Customhouse, Detroit, Mich. The eighth district comprises the States of New York (all counties not included in second district), Pennsylvania (all counties not included in third district), West Virginia, Ohio, and Michigan (Lower Peninsula).]

ALPHABETICALLY BY OWNERS OF STATIONS.

Call signal.	Owner of station.	Location of station.	Power.
			Kw.
8ES	Aber, Ernest M., jr.	352 W. Ferry St., Buffalo, N. Y.	0.5
8BT	Ackerman, Edmund K.	1698 E. 90th St., Cleveland, Ohio.	1.0
8VO	Ackerman, John T., jr.	330 Mathewson St., Flint, Mich.	1.0
8ARX	Ackley, William J.	72 Halstead Ave., Buffalo, N. Y.	.5
8AOR	Adams, Joy C.	48 N. Wabash Ave., Battle Creek, Mich.	1.0
8UY	Adams, Lucius O.	85 De Russey St., Binghamton, N. Y.	1.0
8AKU	Adams, Miles R.	Sanitaria Springs, N. Y.	.5
8ALN	Addis, Roy R.	46 Jones St., Mt. Clemens, Mich.	1.0
8DZ	Aker, Ellison E.	520 Woodward Ave., Lima, Ohio.	1.0
8AEQ	Albertson, W. Charles.	5400 Stanton Ave., Pittsburgh, Pa.	.5
8RL	Alexander, Frank.	34 Asbury St., Rochester, N. Y.	.5
8ALE	Alexander, Lot and Hoge.	537 Center St., Grove City, Pa.	.5
8RS	Alger, Allan E.	214 Arizona Ave., Lorain, Ohio.	1.0
8AMJ	Allan, Donald.	3237 Dayton Ave., Cincinnati, Ohio.	.5
8WC	Alynn, William P.	Glenville High School, Cleveland, Ohio.	1.0
8AMG	Altidoerffer, Frank H.	633 Maplewood Ave., Ambridge, Pa.	.5
8RN	Altman, Allen R.	6710 Hudson Pl., Pittsburgh, Pa.	1.0
8AJO	Amann, Joseph C.	393 Oak Hill Ave., Youngstown, Ohio.	.5
8TX	Anders, Harry R.	Decatur, Mich.	.5
8JW	Anderson, Joseph D.	631 E. 127th St., Cleveland, Ohio.	1.0
8AAB	Anderson, L. R.	Youngstown, Ohio.	.5
8KH	Angel, Jay L.	R. F. D. No. 1, Bowling Green, Ohio.	1.0
8KA	Ankerman, Roy E.	403 E. Lima St., Wapakoneta, Ohio.	.5
8AMQ	Anson, Charles T.	Ausable Forks, N. Y.	.5
8AGG	Anton, William G.	224 S. Rebecca St., Pittsburgh, Pa.	.5
8DW	Apper, Charles O.	555 18th St., Detroit, Mich.	.5
8NL	Appel, Floyd.	310 Short St., Erie, Pa.	.5
8NG	Arenson, William.	241 W. Exchange St., Akron, Ohio.	1.0
8JN	Arthurs, Biddle, jr.	3046 Centre Ave., Pittsburgh, Pa.	1.0
8APM	Auten, George C.	Oberlin, Ohio.	1.0
8ADY	Atkinson, Earl W.	723 S. Arch Ave., Alliance, Ohio.	.5
8ACR	Atkinson, Ward I.	95 Rutgers St., Rochester, N. Y.	.5
8ANO	Baisley, J. Everett.	32 George St., Wyandotte, Mich.	.5
8APK	Bachtel, Alfred.	Akron, Ohio.	.5
8AAW	Baer, Walter D.	350 Graham St., Pittsburgh, Pa.	1.0
8ARF	Baillie, Howard L.	264 W. Church St., Newark, Ohio.	.5
8AKC	Bain, Ovid.	1731 E. Center St., Marion, Ohio.	.5
8AJI	Baker, Gerald M.	123 Market St., Edinboro, Pa.	.5

## AMATEUR RADIO STATIONS—Continued.

## EIGHTH DISTRICT—Continued.

## ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. Kw.
8FF	Baker, Raymond S.	39 Steele Ave., Gloversville, N. Y.	1.0
8VP	Ball, Alfred	Hubbard, Ohio.	1.0
80M	Balsley, James I.	109 S. Cottage Ave., Connellsville, Pa.	.5
8AEH	Balson, Donald W.	243 E. College St., Oberlin, Ohio.	.5
8FW	Banes, Charles C. A.	143 Chess St., Monongahela City, Pa.	.5
8NU	Barker, Gilroy	2901 W. Liberty Ave., Dormont, Pa.	.5
8WW	Barnes, Orton S.	215 Main St., Binghamton, N. Y.	1.0
8CC	Barnett, Walter J.	269 S. Goodman St., Rochester, N. Y.	.5
8QE	Barnhart, Walter	Beaver, Pa.	.5
8AB	Barr, Forrest L.	R. F. D. No. 1, Vickery, Ohio.	.5
8ADW	Barris, Allen	R. F. D. No. 4, Silver Creek, N. Y.	.5
8AT	Barton, Howard	3 Clay St., Le Roy, N. Y.	1.0
8QX	Basinger, Roswell	Columbus Grove, Ohio.	.5
8ACT	Baumgardner, Donald G.	Demster, N. Y.	.5
8SI	Beach, Walter R.	2180 E. 90th St., Cleveland, Ohio.	1.0
8AFU	Beaman, Paul S.	91 Mill St., Binghamton, N. Y.	.5
8JB	Beare, George L.	Columbus Ave. and Washington Row, Sandusky, Ohio.	1.0
8TZ	Beasley, Ira E.	S. Bell Ave., Lakewood, Ohio.	.5
8KF	Beck, Frank G.	119 Pennsylvania Ave., Greensburg, Pa.	1.0
8JP	Becker, Freeman A.	885 West Ave., Buffalo, N. Y.	.5
8APA	Beer, Frank P.	514 Jarvella St., Pittsburgh, Pa.	1.0
8ARW	Bellinson, Meyer	165 Cedar St., Buffalo, N. Y.	.5
8AJU	Bell, Charles H.	5153 Fowler Ave., Cleveland, Ohio.	.5
8AIF	Bell, Irving	819 Wall St., Port Huron, Mich.	.5
8DO	Bell, Norman W.	424 Tarleton Ave., Pittsburgh, Pa.	1.0
8CF	Beller, Harold F.	731 W. Mary St., Bucyrus, Ohio.	.5
8KD	Benjamin, Carlisle	174 Glasgow St., Clyde, N. Y.	.5
8FZ	Bennett, Edward J.	1923 W. 75th St., Cleveland, Ohio.	.5
8ANR	Benson, Walfred	16 Central St., Battle Creek, Mich.	1.0
8CD	Benz, Carroll	326 S. 5th Ave., Ann Arbor, Mich.	.5
8ML	Berman, Isidore A.	849 Windham St., Cincinnati, Ohio.	.5
8AE	Berndt, William F.	608 Clark Ave., Detroit, Mich.	.5
8HS	Berry, L. Mack	131 W. Walnut St., Galion, Ohio.	1.0
8TY	Bidwell, Paul	9990 Euclid Ave., Cleveland, Ohio.	1.0
8WP	Bidwell, Paul	11397 Glenwood Ave., Cleveland, Ohio.	.5
8CM	Bieber, Carl W.	16 Hauf St., Buffalo, N. Y.	.5
8GY	Birkel, Lawrence J.	700 Tibbets Ave., Springfield, Ohio.	.5
8AGL	Bishop, Robert C.	413 Locust St., Lockport, N. Y.	1.0
8AAG	Bishman, Richard F.	67 Foster Ave., Norwalk, Ohio.	.5
8ACK	Blair, Russell M.	3930 Ivanhoe Ave., Norwood, Ohio.	1.0
8HL	Blake, F. B.	Cattaraugus, N. Y.	.5
8FU	Blattner, E. Herman	73 Pardee St., Rochester, N. Y.	.5
8LP	Bly, Ralph	1358 Michigan Ave., Niagara Falls, N. Y.	.5
8UJ	Boardman, Thomas H.	624 Erie St., Port Huron, Mich.	1.0
8APN	Bock, Ashley P.	1112 W. North St., Kalamazoo, Mich.	1.0
8AGZ	Bohannon, Robert C.	226 E. 16th Ave., Columbus, Ohio.	1.0
8AQI	Bookwalter, John F.	1054 E. High St., Springfield, Ohio.	.5
8ALO	Bovee, Charles W.	105 Beethoven St., Binghamton, N. Y.	.5
8AAS	Bower, George C.	Blasdell, N. Y.	.5
8AKG	Bower, Orville D.	834 4th St., Marietta, Ohio.	.5
8ANB	Bower, Stanley	162 Elizabeth St., Marine City, Mich.	.5
8AOP	Bowyer, Glenn B.	Kinsman, Ohio.	.5
8OU	Boyer, Harry A.	89 Kibbie St., Mt. Clemens, Mich.	1.0
8AJG	Braatz, Eugene C.	Lowellville, Ohio.	.5
8SV	Bratton, Harry B.	Brecksville, Ohio.	.5
8CQ	Brede, Erwin F.	55 Melbourne Ave., Detroit, Mich.	.5
8AOK	Brewster, Fred J.	6904 Cedar Ave., Cleveland, Ohio.	.5
8AAJ	Brice, William E.	714 W. Market St., Lima, Ohio.	.5
8FR	Briggs, Fred G.	221 Forest St., Marion, Ohio.	.5
8KI	Brockway, Earl H.	421 E. Court St., Flint, Mich.	1.0
8TQ	Brooks, Clarence H.	278 Emerson St., Rochester, N. Y.	.5
8AG	Broome, Donald W.	100 Grand Ave., Mt. Clemens, Mich.	1.0
8AIM	Brothers, Loyd C.	Wellington, Ohio.	.5
8VC	Brown, Arthur B.	1218 E. Erie Ave., Lorain, Ohio.	1.0
8ADP	Brown, Clarence W.	R. F. D. No. 25, Akron, Ohio.	.5
8NY	Brown, Fred C.	Port Clinton, Ohio.	1.0
8UD	Brown, Kenneth W.	640 Harrison Ave., Scranton, Pa.	.5
8ANW	Brown, Le Roy	R. F. D. No. 8, Hamilton, Ohio.	.5
8WZ	Brown, Ralph M.	156 W. River St., Wilkes-Barre, Pa.	1.0
8AAP	Brown, Stanley F.	1 Aurora St., Lancaster, N. Y.	.5
8AAU	Brownell, Ralph	851 Prendergast Ave., Jamestown, N. Y.	.5
8AHE	Bruning, Miles F.	2812 Mt. Pleasant Ave., Hamilton, Ohio.	.5
8VS	Buck, Edward H.	61 Walker St., Tiffin, Ohio.	.5
8ARO	Bunning, Theodore	1671 Bruce St., Cincinnati, Ohio.	.5
8AQT	Burberry, Mahlon R.	627 Germania St., Columbus, Ohio.	.5

AMATEUR RADIO STATIONS—Continued.

EIGHTH DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. <i>Kw.</i>
8VZ	Burchard, William K.	77 Hastings Ave., East Cleveland, Ohio.	0.5
8AQN	Burdg, Clarence E.	528 1/2 W. Center St., Marlon, Ohio.	.5
8A1S	Burdick, George M. C.	251 Goodwin Ave., Detroit, Mich.	.5
8FI	Burger, Richard W.	822 S. McDonel St., Lima, Ohio.	.5
8ABA	Burgwardt, Frederick C., jr.	R. F. D. No. 2, Hamburg, N. Y.	.5
8ANJ	Burgoon, Wesley	604 N. Baxter St., Lima, Ohio.	.5
8ALU	Burkhardt, George E.	296 Garson Ave., Rochester, N. Y.	1.0
8AGH	Burns, Herman E.	113 W. John St., Martinsburg, W. Va.	.5
8GA	Burr, Gordon	7209 Clinton Ave., Cleveland, Ohio.	1.0
8RD	Burr, Roy C.	68 E. Elm St., Norwalk, Ohio.	1.0
8TA	Burson, John I.	238 W. Wood St., Youngstown, Ohio.	.5
8AOM	Burtis, Melvin M.	191 Goulding Ave., Buffalo, N. Y.	1.0
8CN	Burton, James F.	345 Whitman Ave., Bloomsburg, Pa.	1.0
8CT	Bush, Claude M.	R. F. D. No. 44, Weedsport, N. Y.	.5
8WO	Bush, Richard A.	255 Main St., Binghamton, N. Y.	1.0
8MH	Bushnell, Clarence E.	645 W. Ferry St., Buffalo, N. Y.	.5
8AID	Butline, Arthur B.	1203 N. Rose St., Kalamazoo, Mich.	.5
8LN	Butler, Harry F.	456 Mahoning St., Lehighton, Pa.	1.0
8AIA	Cady, Fred L.	448 Bowery St., Akron, Ohio.	.5
8AEX	Calkins, Norman	2136 W. 100th St., Cleveland, Ohio.	.5
8VR	Calvert, George C.	5309 Ellsworth Ave., Pittsburgh, Pa.	1.0
8VH	Candler, Charles and Emma.	203 N. Ash St., St. Marys, Ohio.	1.0
8VY	Caplan, Zola	4821 Centre Avenue, Pittsburgh, Pa.	.5
8AGW	Carlson, Wendell L.	37 Maple St., Jamestown, N. Y.	1.0
8ANY	Carpenter, Donald F.	65 W. Union St., Wilkes-Barre, Pa.	1.0
8AIT	Carpenter, Sears	14234 Detroit Ave., Cleveland, Ohio.	.5
8ASO	Carr, Irving E.	1248 Roosevelt Ave., Flint, Mich.	.5
8A1Y	Carroll, Stanley W.	312 2d St., Marietta, Ohio.	.5
8MV	Carson, William H.	1140 James St., Kalamazoo, Mich.	.5
8ED	Carver, Alfred J.	53 Wecker St., Buffalo, N. Y.	1.0
8VF	Case, J. Gifford	76 Lozier St., Rochester, N. Y.	.5
8VI	Case, Harlow M.	Benzonia, Mich.	1.0
8PB	Case, Theodore J.	1609 S. University Ave., Ann Arbor, Mich.	.5
8ABG	Caswell, Frank A.	21 Dekalb St., Dayton, Ohio.	.5
8AEG	Cawley, Eugene H.	301 Chestnut St., Dunmore, Pa.	.5
8VP	C. F. Jackson Co.	Flindlay, Ohio.	1.0
8UC	Chadde, Walter F.	117 Huntington Park, Rochester, N. Y.	.5
8JY	Chamberlain, Oscar A.	228 Eason Ave., Highland Park, Mich.	1.0
8AMA	Champe, Willard A.	2363 Robinwood Ave., Toledo, Ohio.	.5
8ADG	Chandler, Merle C.	1471 Winton Ave., Lakewood, Ohio.	.5
8VG	Chartener, Ralph R.	47 Allen Ave., Pittsburgh, Pa.	1.0
8NN	Chester, Allan	50 E. Elm St., Norwalk, Ohio.	1.0
8API	Childs, Herbert R.	12 Bengal Ter., Rochester, N. Y.	.5
8SQ	Clarke, John H.	1010 Central Ave., Dunkirk, N. Y.	1.0
8FJ	Clausing, Leroy M. F.	406 Nye St., Lima, Ohio.	1.0
8AOH	Clauve, Carl E.	435 Shilto St., Cincinnati, Ohio.	.5
8AOW	Clem, Robert	605 N. Jameson St., Lima, Ohio.	.5
8AJT	Clement, Russell C.	168 North Ave., Washington, Pa.	.5
8DV	Cobb, Rupert G.	17 E. Alexandrine Ave., Detroit, Mich.	.5
8SL	Cocklin, Gilbert W.	Middlebranch, Ohio.	.5
8AET	Cole, Kenneth	45 King St., Oberlin, Ohio.	.5
8SM	Coleman, H. Burr	67 Maple St., Lyons, N. Y.	.5
8FG	Coleman, John B.	324 Locust St., Edgewood Park, Pa.	.5
8IM	Collins, Benjamin F.	152 N. 4th St., Steubenville, Ohio.	.5
8ABS	Collville, Parkins	514 E. Buffalo St., Ithaca, N. Y.	1.0
8KO	Combs, Frayne L.	Blume High School, Wapakoneta, Ohio.	.5
8ASJ	Conner, Charles E.	726 Clinton St., Kalamazoo, Mich.	.5
8A1L	Conrad, Mark	117 E. Crawford St., Van Wert, Ohio.	1.0
8PY	Cook, Vernor	30 W. LaBelle St., Grand Rapids, Mich.	.5
8MX	Cooke, Lovell	R. F. D. No. 3, Gobleville, Mich.	.5
8KU	Cookman, Murray R.	118 Glasgow St., Clyde, N. Y.	.5
8AOX	Cooley, Clair R.	298 Walbridge Ave., Toledo, Ohio.	.5
8RG	Copeland, Arthur H.	130 Harvard St., Rochester, N. Y.	.5
8LT	Copp, Stanley R.	5 W. Monument Ave., Dayton, Ohio.	.5
8KB	Core, Eugene D.	53 E. High St., Columbus Grove, Ohio.	1.0
8ARK	Corey, Dwight	277 E. Perry St., Tiffin, Ohio.	.5
8QL	Corey, Harry E.	Richmond, Mich.	.5
8WV	Corts, Ray E.	243 May St., Buffalo, N. Y.	.5
8ART	Coughenour, Virgil J.	Plattsburg, Ohio.	.5
8AHK	Couperthwait, George F.	52 Schiller St., Binghamton, N. Y.	.5
8AMD	Craig, Palmer	3397 Glenmore Ave., Cincinnati, Ohio.	.5
8AOW	Cramer, Charles F.	115 N. Fountain St., Springfield, Ohio.	1.0
8AOG	Crepe, John A.	1431 Lakewood Ave., Lima, Ohio.	.5
8OZ	Cromeey, Leslie D.	221 Euclid Ave., Mt. Clemens, Mich.	.5
8OQ	Cross, Blakely E.	47 Burr St., Oloversville, N. Y.	.5
8ARG	Cross, Irving	88 Chili Ave., Rochester, N. Y.	.5



## AMATEUR RADIO STATIONS—Continued.

## EIGHTH DISTRICT—Continued.

## ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. Kw.
8NJ	Crumbie, Goodwin B.	Plymouth, Mich.	0.5
8KX	Cuff, Harold C.	362 Walnut St., Buffalo, N. Y.	.5
8ADI	Cundall, Lincoln A.	Hamburg, N. Y.	.5
8EW	Current, Warren J.	11024 Detroit Ave., Cleveland, Ohio.	.5
8AOI	Curtiss, Gerald H.	624 W. 9th St., Traverse City, Mich.	1.0
8LC	Curtiss, Glen W., jr.	830 W. Main St., Ravenna, Ohio.	1.0
8AEA	Cushman, Robert A.	306 Elm St., Ithaca, N. Y.	.5
8AJ	Custis, Walter E.	468 Buchtel Ave., Akron, Ohio.	.5
8RK	Dalrymple, Clarence F.	Sheridan, N. Y.	.5
8AKE	Daly, James J.	28 Pine St., Binghamton, N. Y.	.5
8CI	Danforth, Gordon F.	16 Tuxill Sq., Auburn, N. Y.	.5
8JE	Daniels, Le Roy.	Litchfield, Mich.	.5
8AIM	Darrall, William G.	1112 Stanton Ave., New Kensington, Pa.	.5
8ALI	Dauberman, John R.	1232 Race St., Sunbury, Pa.	.5
8FM	Daugherty, Robert J.	628 W. Main St., Hamilton, Ohio.	1.0
8ASV	Davidson, Robert L.	50 N. 3d St., Newark, Ohio.	.5
8QZ	Davis, Benton W.	1904 Ansel Rd., Cleveland, Ohio.	1.0
8BC	Davis, Charles C.	Fenton, Mich.	1.0
8AEY	Davis, Harold P.	2065 W. 87th St., Cleveland, Ohio.	1.0
8BX	Davis, Herbert E.	1480 Western Ave., Toledo, Ohio.	.5
8ALR	Davis, Paul E., jr.	R. F. D., Gross Isle, Mich.	.5
8AO	Deighan, Edward L.	5415 Hermann Ave., Cleveland, Ohio.	.5
8AOT	Demarest, Foster J.	103 Washington St., Williamsport, Pa.	1.0
8IX	Dencer, John.	1021 Tuscarawas St., Canton, Ohio.	.5
8WG	Densmore, U. Harry.	220 Mitchell St., Petoskey, Mich.	.5
8KK	Devaney, Richard G.	196 Murray St., Binghamton, N. Y.	.5
8AAQ	Devinney, Robert C.	1224 Boyle St., Pittsburgh, Pa.	1.0
8OA	Dieter, Howard L.	252 S. 18th St., Columbus, Ohio.	1.0
8IJ	Diederich, Paul E.	915 E. Grand Blvd., Detroit, Mich.	1.0
8ET	Dieterich, Adele F.	3128 Fulton Rd., Cleveland, Ohio.	.5
8ACO	Dietsch, Carl G.	395 Avondale Ave., Toledo, Ohio.	.5
8AQD	Dilworth, John G.	6121 Jackson St., Pittsburgh, Pa.	.5
8AAH	Ditto, Earl J.	614 State St., Petoskey, Mich.	.5
8AME	Dobson, J. Howard.	25 Cornell Ave., Kenmore, N. Y.	.5
8AEO	Doeright, Gilbert A.	145 Illinois Ave., Youngstown, Ohio.	.5
8AG	Dominick, John H.	56 Gallatin Ave., Buffalo, N. Y.	.5
8AGC	Donahue, James B.	Horseheads, N. Y.	.5
8FS	Donohue, Daniel, jr.	227 Florida Ave., Lorain, Ohio.	.5
8ANC	Dorman, Israel.	3426 Burnet Ave., Cincinnati, Ohio.	.5
8EF	Dorst, Edward L.	39 Eaton St., Buffalo, N. Y.	.5
8ABT	Dotterweich, Edward, jr.	533 Swan St., Dunkirk, N. Y.	.5
8TL	Dowding, Sidney J.	57 Welts St., Mt. Clemens, Mich.	.5
8OX	Dreux, Alexander J.	48 Garner Ave., Buffalo, N. Y.	.5
8MQ	Duff, Cuthbert.	Norwood, Ohio.	.5
8LQ	Dunlap, Orrin E., jr.	1029 Cleveland Ave., Niagara Falls, N. Y.	.5
8ASD	Dunmore, Wallace P.	218 Main St., Binghamton, N. Y.	.5
8AGY	Durham, Harold M.	127 Cohasset St., Pittsburgh, Pa.	1.0
8AOJ	Durstine, John E.	107 Burton Ave., Cleveland, Ohio.	.5
8AKY	Dyke, S. Eugene.	211 Porter Ave., Warren, Ohio.	.5
8SW	Eames, William F.	841 N. St. Clair St., Pittsburgh, Pa.	.5
8IU	Eaton, Floyd W.	1901 Milton Ave., Solva, N. Y.	.5
8PL	Eckel, John F.	2161 Bernard St., Cincinnati, Ohio.	.5
8VL	Edick, Leonard J.	89 Forest St., Gloversville, N. Y.	.5
8GG	Edwards, Maynard W.	Lake Odessa, Mich.	1.0
8UK	Egan, James.	120 Barton St., Buffalo, N. Y.	1.0
8TY	Ehrhardt, Roy C.	820 Monroe Ave., Scranton, Pa.	1.0
8PJ	Ehrich, William F.	278 Lucas St., Bucyrus, Ohio.	1.0
8AOS	Eisler, Emmerson L.	1227 California Ave., Pittsburgh, Pa.	.5
8AQ	Ela, William C.	1320 Woodland Ave., Pittsburgh, Pa.	.5
	Electro-Set Co. See The		
	Electro-Set Co.		
8ER	Elias, Louis W.	877 Carpenter St., Columbus, Ohio.	1.0
8TS	Eppley, Ervin W.	R. F. D. No. 4, Elvria, Ohio.	.5
8ANK	Ernest, Robert A.	1815 Prospect St., Springfield, Ohio.	.5
8AEI	Erskine, James.	212 Cass Ave., Mt. Clemens, Mich.	1.0
8DM	Esch, Winthrop W.	R. F. D. No. 1, Huron, Ohio.	.5
8FP	Esslinger, Elwin.	523 Miller Ave., Ann Arbor, Mich.	1.0
8ADZ	Euler, John F.	253 Mellon St., Pittsburgh, Pa.	.5
8ASK	Evans, Jack H.	806 Bayridge Ave., Pittsburgh, Pa.	.5
8SB	Evans, George M.	Tippecanoe City, Ohio.	.5
8AMR	Ewell, Lionel C.	Milan, Ohio.	.5
8ANP	Exline, George A.	1408 E. 93d St., Cleveland, Ohio.	1.0
8AQR	Famariss, Walter.	7817 Hamilton Ave., Pittsburgh, Pa.	.5
8HU	Faroo, Glenn.	269 Grand Ave., Rochester, N. Y.	.5
8ADD	Fassett, G. M. Earle.	1526 Olivewood Ave., Lakewood, Ohio.	1.0
8AIC	Feldstein, Milton.	Toledo, Ohio.	.5

## AMATEUR RADIO STATIONS—Continued.

## EIGHTH DISTRICT—Continued.

## ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. <i>Kw.</i>
8FA	Fender, Clinton H.	28 W. 13th St., Cincinnati, Ohio.	0.5
8AOZ	Ferris, James H.	211 Catalpa Drive, Royal Oak, Mich.	1.0
8CA	Fidler, Sherwood K.	1222 Fountain Ave., Springfield, Ohio.	.5
8FE	Finch, Brent S.	1727 E. McMillan St., Cincinnati, Ohio.	.5
8ASH	Finegan, George W.	494 Columbia Ave., Rochester, N. Y.	1.0
8AFD	Finley, Chester T.	R. F. D. No. 9, Mansfield, Ohio.	.5
8AJK	Fischer, Andrew	811 Cass St., Chicago, Ill.	.5
8MG	Fish, J. Mulford.	307 Collins Ave., Pittsburgh, Pa.	.5
8KQ	Fisher, Earl U.	228 Ulysses St., Pittsburgh, Pa.	.5
8PE	Fisher, George C.	546 Utah St., Toledo, Ohio.	.5
8MY	Fisher, Harold W.	906 W. Wayne St., Lima, Ohio.	1.0
8ASN	Fisk, Rufus.	98 Park Ave., Binghamton, N. Y.	.5
8TN	Fla Havhan, Harry E., jr.	3833 Hiawatha St., Pittsburgh, Pa.	.5
8DD	Fleckner, Harry K.	1007 Sheridan Ave. SW., Grand Rapids, Mich.	.5
8UM	Flebr, Paul D.	510 S. 7th St., Ironton, Ohio.	1.0
	Flint Central High School. <i>See</i> Wightman, E. Russell.		
8ARS	Flora, C. Russel.	2206 Broadway, Toledo, Ohio.	.5
8ASG	Flory, Carl L.	119 W. Decatur St., Eaton, Ohio.	.5
8MW	Follet, Louis H., jr.	Crafton, Pa.	1.0
8ANS	Foltz, Harold H.	464 Rhodes Ave., Akron, Ohio.	.5
8UA	Foncannon, H. Knight	2024 Glenwood Ave., Toledo, Ohio.	.5
8ADK	Ford, Elliot P.	129 Dartmouth St., Rochester, N. Y.	.5
8CU	Forshee, Kenneth.	South Butler, N. Y.	.5
8HR	Foster, Clarence M.	Clarks Summit, Pa.	.5
8WD	Fox, Edmund H.	271 Calumet Ave., Detroit, Mich.	.5
8FF	Fowler, Robert J.	322 Walnut St., Flint, Mich.	1.0
8FV	Francis, Jesse J.	1556 E. 66th St., Cleveland, Ohio.	.5
8AAV	Frank, Newton J.	411 Humboldt Pky., Buffalo, N. Y.	.5
8ANF	Fraser, Ralph L.	546 E. Buchtel Ave., Akron, Ohio.	.5
8HZ	Fraser, John W.	1260 West Ave., Buffalo, N. Y.	.5
8VX	Fraser, William T.	48 Glenwood Ave., Buffalo, N. Y.	1.0
8NB	Frederick, Paul E.	215 Clay St., Tiffin, Ohio.	.5
8NC	French, Samuel W.	10 Fargo Ave., Ashtabula, Ohio.	.5
8AF	Frey, Frederick E.	155 Poplar St., Mansfield, Ohio.	1.0
8DP	Fritsche, Lewis W.	4208 Florida Ave., Cincinnati, Ohio.	1.0
8AU	Frost, Harry E.	552 Glenwood Ave., Buffalo, N. Y.	.5
8AV	Fullwood, William R.	1017 Pollock Ave., New Castle, Pa.	1.0
8OJ	Furlong, Marcie J.	711 N. Main St., Clyde, Ohio.	.5
8KP	Fuss, Chester G.	Little Valley, N. Y.	1.0
8TH	Gallo, Tony.	Brockwayville, Pa.	1.0
8AEM	Galloway, W. Lyon.	110 W. Main St., Xenia, Ohio.	1.0
8PK	Gamble, Frederick D.	2412 Putnam St., Toledo, Ohio.	1.0
8ASP	Gamble, Howard B.	2537 E. 128th St., Cleveland, Ohio.	1.0
8KC	Gammon, Joseph.	597 East Ave., Rochester, N. Y.	.5
8IO	Garrity, William D.	20 W. Genesee St., Lockport, N. Y.	.5
8EG	Gebhard, Louis A.	1127 Ellicott St., Buffalo, N. Y.	1.0
8AX	Gentsch, Leonard II.	102 Northampton St., Buffalo, N. Y.	.5
8AKT	George, Charles C.	81 E. Tremaine Ave., Kenmore, N. Y.	.5
8AEC	Gerhard, David H.	R. F. D. No. 3, Hamilton, Ohio.	.5
8AKW	Giesenberg, Carl.	3409 Boudinot Ave., Cincinnati, Ohio.	.5
8WI	Gillmore, Willard F.	11703 Castlewood St., Cleveland, Ohio.	1.0
8SN	Glatzell, Earle D.	539 S. 1st St., Ann Arbor, Mich.	1.0
8ANV	Glaue, Edwin H.	2171 E. 65th St., Cleveland, Ohio.	.5
	Glenville High School. <i>See</i> Allyn, William P.		
8DS	Godley, Gordon F.	929 Pine St., Port Huron, Mich.	.5
8RY	Goetz, Carl P.	1518 Knowlton St., Cincinnati, Ohio.	.5
8AW	Gogel, Adelbert J.	628 S. Erie St., Toledo, Ohio.	.5
8MZ	Goodrich, Harry.	443 North Ave., Girard, Ohio.	1.0
8VH	Googin, Nicholas L., jr.	Cazenovia, N. Y.	.5
8QK	Gould, Henry W.	Oberlin, Ohio.	1.0
8EI	Gray, Clarence N.	74 Ryan St., Buffalo, N. Y.	.5
8IW	Green, John B.	Booth St., Ashtabula, Ohio.	.5
8ADT	Greenwald, Hugo.	9815 Westchester Ave., Cleveland, Ohio.	1.0
8ASQ	Greenwell, Robert.	6302 Utica St., Cleveland, Ohio.	1.0
8UW	Gregory, P. L.	2204 Washington St., Conneaut, Ohio.	.5
8CG	Grief, Edward J.	121 Rose St., Springfield, Ohio.	1.0
8WA	Griffin, Jesse W.	Middlefield, Ohio.	.5
8IA	Griffin, John F.	5213 Superior Ave., Cleveland, Ohio.	1.0
8ANM	Griggs, Kenneth C.	149 Forest St., Wellington, Ohio.	.5
8CK	Grinnell, Russell R.	Richmond, Mich.	.5
8ABM	Grosse, Herbert F.	316 Germania St., Columbus, Ohio.	.5
8QR	Grostick, George E.	1605 Wagar Ave., Lakewood, Ohio.	1.0
8HE	Grotticelli, Emil.	115 Montclair Ave., Crafton, Pa.	1.0
8CO	Grove City College.	Grove City, Pa.	1.0

AMATEUR RADIO STATIONS—Continued.

EIGHTH DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
8KM	Quast, Wesley T.	13 Babcock Ave., Silver Creek, N. Y.	Kc. 0.5
8JA	Gunn, Ross.	369 W. Lorain St., Oberlin, Ohio.	1.0
8DI	Gurnee, Floyd L.	Howell, Mich.	.5
8ARQ	Gurney, Daniel.	1113 N. Main St., Jamestown, N. Y.	.5
8FZ	Guy, Fred E.	21 Jewell St., Rochester, N. Y.	.5
8RO	Gwinner, Frederick, 3d.	5th Ave. and Amberson St., Pittsburgh, Pa.	1.0
8QB	Haderer, John.	330 Fox St., Buffalo, N. Y.	1.0
8MD	Hall, Eldred R.	410 Center St., Solway, N. Y.	.5
8AOM	Hamel, Arthur.	29 Martin Ave., Amherst, Ohio.	1.0
8US	Hancock, H. W.	337 S. Main St., Charlotte, Mich.	1.0
8AGT	Hadt, Ledyard M.	1645 Lyson St., NE, Grand Rapids, Mich.	.5
8TB	Handt, Eugene H.	63 Vassar St., Rochester, N. Y.	.5
8NW	Hankin, John H.	30 Schutz Ave., Buffalo, N. Y.	.5
8AMI	Hanny, George.	1716 Buena Vista St., Pittsburgh, Pa.	.5
8AZ	Hansen, Edmund H.	31 Deer St., Plymouth, Mich.	.5
8NO	Hansen, Torvald.	7325 Clinton Ave., Cleveland, Ohio.	1.0
8ASE	Hantman, Alexander.	21 Vine St., Pittsburgh, Pa.	1.0
8AGE	Hanville, Roy A.	North Fairfield, Ohio.	.5
8WT	Harber, Elwood F.	507 Columbia Ave., Rochester, N. Y.	.5
8WY	Hardesty, Howard P.	1186 Canton Ave., Detroit, Mich.	.5
8NR	Hare, Paul W.	Near Fredericktown, Ohio.	.5
8AGS	Hart, I. Bruce.	1215 S. Arch Ave., Alliance, Ohio.	.5
8OH	Harter, Raymond.	Spencerville, Ohio.	.5
8AM	Hartle, Wilbert G.	1438 W. 114th St., Cleveland, Ohio.	.5
8AKH	Hartwick, Harry S.	R. F. D. No. 1, Clarks Summit, Pa.	.5
8AA	Hausing, William A.	Traverse City, Mich.	.5
8AHN	Hawks, Harry L.	Fleming, Pa.	1.0
8TH	Haynes, William.	102 N. Florence St., Springfield, Ohio.	1.0
8AAE	Helbling, William F.	36 Marion Ave., Crafton, Pa.	1.0
8APG	Henes, Christian.	604 Main St., Hamilton, Ohio.	1.0
8EX	Heinlein, Carl A.	2446 Mount Ave., Norwood, Ohio.	1.0
8GN	Henninger, Alan E.	11220 Clifton Blvd., Cleveland, Ohio.	1.0
8AKF	Hepper, Earl.	450 Morgan St., Pittsburgh, Pa.	1.0
8ARM	Herrick, Robert E.	26 S. Linwood Ave., Crafton, Pa.	.5
8WB	Herrington, Fred.	R. F. D. No. 6, Paw Paw, Mich.	.5
8LZ	Hess, Elmer.	4129 Carter St., Norwood, Ohio.	.5
8WE	Hickler, Walter R.	1340 Lakeland Ave., Lakewood, Ohio.	.5
8AMT	Higgins, Orlo M.	214 Lake Ave., Elyria, Ohio.	.5
8PM	Higgy, Robert C.	1072 W. Market St., Lima, Ohio.	.5
8LI	Hill, Dormand S.	2 Taft Ave., Detroit, Mich.	.5
8GB	Hill Top Y. M. C. A.	Pittsburgh, Pa.	.5
8BA	Hiller, Herbert A.	111 Hanover St., Silver Creek, N. Y.	1.0
8AST	Hills, Harold C.	Palermo, N. Y.	.5
8KR.	Hills, Virgil A. and Harold G.	2066 E. 100th St., Cleveland, Ohio.	1.0
8OG	Hinton, Don.	Cambridge, Ohio.	.5
8UT	Hirsch, Leo E.	1281 S. High St., Columbus, Ohio.	.5
8ACA	Hisey, Norval W.	2055 Broadway, Toledo, Ohio.	.5
8AMP	Hodgkins, Harley G.	Massena, N. Y.	.5
8AIH	Hoehl, Raymond H.	238 Orchard St., Pittsburgh, Pa.	.5
8ADU	Hoffman, Donald A.	50 S. Balch St., Akron, Ohio.	.5
8AQO	Hofstetter, George E.	286 S. State St., Marion, Ohio.	.5
8QV	Hogan, James E.	26 Lincoln Ave., Crafton, Pa.	.5
8FC	Holden, Ira S.	2920 Vernon Pl., Cincinnati, Ohio.	.5
8MC.	Holmes, Charles A.	New Berlin, N. Y.	1.0
8DR	Holmes, Charles E.	310 Brown St., Grand Rapids, Mich.	.5
8HO	Holt, George W.	789 Prospect Ave., Buffalo, N. Y.	.5
8IC	Hoover, Paul L.	32 Poplar St., Mansfield, Ohio.	1.0
8GT	Hoover, Raymond.	Maumee, Ohio.	.5
8BU	Hopkins, Cecil W.	812 S. 9th St., Hamilton, Ohio.	.5
8GQ	Horn, Herbert E.	557 E. 117th St., Cleveland, Ohio.	1.0
8EP	Hornbeck, John.	32 Milford St., Binghamton, N. Y.	1.0
8PT	Hornung, Romey W.	Lavelle, Pa.	1.0
8DA	Horton, Paul E.	207 Elmwood Ave., Newark, Ohio.	.5
8UR	Hott, Loewy.	149 S. Main St., Keyser, W. Va.	.5
8AEV	Houck, Homer D.	430 Werner St., Youngstown, Ohio.	.5
8ARN	Houck, Hugh H.	605 W. Hardin St., Findlay, Ohio.	1.0
8NF	House, Elra E.	272 N. Michigan St., Battle Creek, Mich.	1.0
8AMZ	Hovey, Carlton F.	476 Melville St., Rochester, N. Y.	.5
8AGF	Howard, Carl G.	183 S. Pine St., Newark, Ohio.	1.0
8ASG	Howsare, George D.	119 W. Decatur St., Eaton, Ohio.	.5
8ABR	Howe, Richard H.	Granville, Ohio.	.5
8BB	Hoves, Stanley J.	515 Eleanor St., Kalamazoo, Mich.	.5
8ALT	Howland, Dwight.	Edinboro, Pa.	.5
8FL	Hudson, Albert N.	406 Park Ave., Fulton, N. Y.	.5
8AIJ	Huey, Wesley.	Middlefield, Ohio.	.5
8APR	Huff, Samuel W.	915 Campbell St., Williamsport, Pa.	.5

AMATEUR RADIO STATIONS—Continued.

EIGHTH DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. <i>Kw.</i>
8A0Y	Hughes, Edwin R.	29 74th St., Carthage, Ohio.	0.5
8RR	Hull, Earl C.	763 15th St., Niagara Falls, N. Y.	1.0
8A0E	Hull, James E.	323 Main St., Cheboygan, Mich.	1.0
8HM	Human, Edward J. L.	532 5th St., Niagara Falls, N. Y.	.5
800	Hummel, Richard O.	1606 Grace Ave., Lakewood, Ohio.	.5
8NK	Hunt, Barton L.	1280 Courtland Ave., Columbus, Ohio.	.5
8ALM	Hunter, Noble A.	Capac, Mich.	.5
8LX	Ilgenfritz, James I. E.	224 Elm Ave., Monroe, Mich.	1.0
80N	Ilgenfritz, Lester M.	2 E. Forest St., Detroit, Mich.	.5
8ARJ	Ingals, Allan C.	74 W. Ridge Ave., Crafton, Pa.	.5
8AY	Irvin, Daniel L.	Curwensville, Pa.	1.0
8RJ	Irvine, Robert P.	3501 Storer Ave., Cleveland, Ohio.	1.0
8AGB	Jacks, Albert L.	6505 Shetland Ave., Pittsburgh, Pa.	.5
8ACM	Jacobus, Roger	312 Beakes St., Ann Arbor, Mich.	.5
8BF	Jarvis, Roy B.	647 Main St., Wheeling, W. Va.	1.0
8TK	Jefferys, Paul M.	1444 Lauderdale Ave., Lakewood, Ohio.	.5
8ANU	Jensen, Luther J.	606 Parkside Ave., Buffalo, N. Y.	.5
8AGU	Jepson, Mark B.	Little Valley, N. Y.	1.0
8ARL	Johnson, Gordon E.	2240 Lawrence Ave., Toledo, Ohio.	.5
8CR	Johnson, J. H. E.	349 Glenn Ave., Springfield, Ohio.	.5
8BD	Johnston, Clarence N.	1335 Hill St., Ann Arbor, Mich.	1.0
8HC	Johnston, S. Paul	201 S. Craig St., Pittsburgh, Pa.	1.0
8ACW	Johnstone, Richard S.	R. F. D. No. 2, Glenshaw, Pa.	.5
8UO	Jones, D. Walter	613 Schuyler Ave., Dorrancton, Pa.	1.0
8ABN	Jones, Hugo W.	109 Marshall St., Conneaut, Ohio.	.5
8FU	Jones, Winferd E.	87 Holland Ave., Lancaster, N. Y.	.5
8WF	Judd, Max A.	Chesaning, Mich.	.5
8AKQ	Kaehni, Francis J.	3267 Scranton Rd., Cleveland, Ohio.	.5
8AIV	Kaestle, Albert	1473 Maple Rd., Cleveland Heights, Ohio.	.5
8ADO	Kahn, Fred J.	1510 E. 123d St., Cleveland, Ohio.	1.0
8QQ	Kampfe, Lorbert J.	1211 E. 103d St., Cleveland, Ohio.	1.0
8VU	Kane, William C., jr.	221 Reservoir Ave., Rochester, N. Y.	.5
8AIO	Karl, Rudolph	413 Robin St., Dunkirk, N. Y.	.5
8AAZ	Kauffman, Jacob W.	208 Claremont Ave., Ashland, Ohio.	.5
8AGA	Katzenberger, Raymond	Tippecanoe City, Ohio.	.5
8AUI	Kays, George W., jr.	242 Chestnut St., Liberty, N. Y.	1.0
8NM	Keen, William L.	4012 Colerain Ave., Cincinnati, Ohio.	.5
8QH	Kelly, Edward O.	18 Stratford Park, Rochester, N. Y.	1.0
8ACN	Kelso, Herbert F.	Dravesburg, Pa.	.5
8AOC	Kent, Arthur L.	199 Court St., Binghamton, N. Y.	.5
8AEB	Kepler, M. Newton	289 Willow St., Mesdenville, Pa.	.5
8AKA	Kepler, Ralph E.	210 Allen St., Dayton, Ohio.	.5
8AQE	Kerstetter, J. Howard	633 Carlton St., Toledo, Ohio.	.5
8PC	Kersting, Ferdinand	165 S. Gratiot Ave., Mt. Clemens, Mich.	1.0
8ASC	Kidd, J. William	606 Cherry St., Niles, Ohio.	1.0
8AEK	Kiger, Earnest W.	Williamstown, W. Va.	.5
8AFM	Kilbury, Walter A.	119 N. Greenwood St., Marion, Ohio.	.5
8BD	Kimberly, Frank	1402 Monterey St., Pittsburgh, Pa.	.5
8AQA	King, William R.	5920 Wellesley Ave., Pittsburgh, Pa.	1.0
8AMY	Kingsbury, Ralph N.	504 E. Main St., Ravenna, Ohio.	.5
8AAT	Kinman, Carson	931 Rawson Ave., Fremont, Ohio.	1.0
8EU	Kinne, Laurence W.	Frankfort, Mich.	.5
8EO	Kinne, Russell	735 Huron St., Toledo, Ohio.	.5
80F	Kirchner, Charles	425 Cumberland Ave., Buffalo, N. Y.	.5
8RA	Kliger, Oscar C.	611 S. Main St., Ann Arbor, Mich.	.5
80V	Kleber, Jackson O.	1135 Murray Hill Ave., Pittsburgh, Pa.	.5
8AQS	Knappp, Forest H.	375 Welch St., Columbus, Ohio.	.5
8DN	Knappen, Bert	4 Trankla Ave., Grand Rapids, Mich.	.5
8GS	Kneale, C. Kewley	1337 W. 114th St., Cleveland, Ohio.	.5
8MN	Knoll, Floyd A.	93 Chapin Parkway, Buffalo, N. Y.	1.0
8AJN	Knotf, Charles E.	107 Stedman, Sayre, Pa.	1.0
8DK	Kobrc, Frank	7711 Central Ave., Cleveland, Ohio.	.5
8AMB	Koch, Frank	2403 Highland Ave., Cincinnati, Ohio.	.5
8KIV	Kohler, Harry W.	605 E. Middle St., Wapakoneta, Ohio.	.5
8ADJ	Kohli, Homer J.	Pandora, Ohio.	1.0
8GO	Kohnitz, Harvey F.	R. F. D. No. 2, Plymouth, Mich.	.5
8GL	Konrad, Henry	750 Ross Ave., Hamilton, Ohio.	1.0
8AFS	Kovatch, Alexander	1780 Fulton Rd., Cleveland, Ohio.	1.0
8PD	Krause, Karl A.	244 S. Front St., Mt. Clemens, Mich.	.5
8IV	Kreighbaum, Cyril H.	12414 Ingomar Ave., Cleveland, Ohio.	1.0
8AHW	Kremer, Harold E.	717 W. Race St., Pottsville, Pa.	.5
8CV	Kress, Lester P.	302 Georgia Ave., Lorain, Ohio.	.5
8AMW	Kreuzer, Joseph D.	663 Hopkins St., Buffalo, N. Y.	.5
8BI	Kroeger, Gustav H.	1837 Clarion Ave., Cincinnati, Ohio.	1.0
8LV	Kromme, Frank	811 York St., Cincinnati, Ohio.	.5

## AMATEUR RADIO STATIONS—Continued.

## EIGHTH DISTRICT—Continued.

## ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. Kw.
8IHY	Kuehner, Roland	168 Kinsey Ave., Cincinnati, Ohio	0.5
8EK	Kumpf, Elmer H.	Crittenden, N. Y.	.5
8ALD	Lacock, Walter B.	235 W. Pike St., Canonsburg, Pa.	.5
8EL	Langenbach, Leo	186 Riley St., Buffalo, N. Y.	.5
8BK	Lappe, E. Robert	5520 Baywood St., Pittsburgh, Pa.	.5
8UP	Lathrope, Lyman S.	63 St. John Ave., Binghamton, N. Y.	1.0
8AQU	Leach, Frederick F.	2 Orchard Ave., Auburn, N. Y.	.5
8TU	Leach, Gardner V.	2532 Robinwood Ave., Toledo, Ohio	.5
8RB	Leach, J. Gardner	White High School, Toledo, Ohio	1.0
8AGQ	Learnont, Victor	Yale, Mich.	.5
8UQ	Leary, Robert	27 Inwood Pl., Buffalo, N. Y.	.5
8ADH	Lee, Harry H.	Memphis, Mich.	.5
8KG	Leffler, Ralph H.	Tiffin, Ohio	.5
8AFT	Leighton, Paul A.	55 Lexington Ave., Columbus, Ohio	.5
8QD	Leonhardt, Carl	14 Olive St., Norwalk, Ohio	1.0
8ANL	Leppert, John L.	611 E. Church St., Galion, Ohio	.5
8UI	Lester, William G.	189 N. Division St., Buffalo, N. Y.	.5
8MM	Levy, Irving R.	1333 E. Blvd., Cleveland, Ohio	1.0
8AGN	Lewis, Nelson	2921 Urwiler St., Cincinnati, Ohio	.5
8QG	Lewis, Walter E.	15 Hullet St., Horseheads, N. Y.	.5
8AGN	Lindsay, Alexander M., Jr.	600 Park Ave., Rochester, N. Y.	1.0
8LA	Lindsay, Percy H.	172 N. Division St., Buffalo, N. Y.	.5
8IJ	Linxweiler, Carl J.	140 Eagle St., Dayton, Ohio	.5
8ASA	Linsinger, Clarence R.	614 N. Broad St., Ridgway, Pa.	1.0
8BE	Lippert, John P.	195 Rozelle Ave., East Cleveland, Ohio	.5
8MR	Livingood, Hubert W.	1825 Michigan Ave., Detroit, Mich.	1.0
8RH	Locke, Carl M.	1500 Coutant St., Lakewood, Ohio	1.0
8APE	Lockwood, Harry P.	312 Huron St., South Haven, Mich.	.5
8LF	Loeb, George	1139 St. Paul St., Rochester, N. Y.	.5
8GU	Loehr, George R.	1144 Euclid Ave., Cleveland, Ohio	1.0
8AAN	Lohrey, Clarence R.	1210 E. Ludlow St., Hamilton, Ohio	1.0
8GR	Long, Charles A.	516 5th St., Oakmont, Pa.	.5
8JG	Lord, Harry R.	531 Beach Ave., Cambridge Springs, Pa.	1.0
8QC	Lucas, W. Gerald	63 E. Pine St., Gloversville, N. Y.	.5
8HO	Lyons, Henry E.	Ripley, N. Y.	1.0
8JX	Macandless, Lyon H.	351 Jefferson St., Rochester, Pa.	.5
8BP	Macer, Arthur J.	37 Jefferson St., Westfield, N. Y.	1.0
8FA	Mack, Clifford J.	49 McGovern Ave., Ashtabula, Ohio	1.0
8AFO	MacKnight, J. Donald	44 Tremont Ave., Binghamton, N. Y.	.5
8AKR	MacLaren, Wallace E.	2979 Hampshire Rd., Cleveland Heights, Ohio	.5
8LM	MacLaughlin, Donald	261 W. 8th St., Marysville, Ohio	1.0
8UN	MacPherson, William D.	549 A St., Lorain, Ohio	.5
8JI	Maddock, Lewis D.	133 Winkles St., Elyria, Ohio	.5
8LR	Magdeburg, Morris R.	1806 Spruce St., Ashland, Pa.	.5
8MO	Magregor, James E.	211 Gold Ave., Grand Rapids, Mich.	1.0
8TF	Mallin, Samuel	12 S. Gratiot Ave., Mt. Clemens, Mich.	1.0
8ABO	Mann, Frank W. and Orville L.	728 Elm Pl., Kalamazoo, Mich.	1.0
8QN	Mann, Roland	53 Good Ave., Buffalo, N. Y.	.5
8JZ	Manning, Alfred J.	3315 Monroe Ave., Cleveland, Ohio	1.0
8MI	Manning, Howard	298 Prospect Ave., Meadville, Pa.	.5
8AFN	Manning, Stuart M.	527 Mitchell St., Petoskey, Mich.	.5
8LV	Marshall, Frank J.	517 W. Delaware Ave., Toledo, Ohio	1.0
8SC	Marshall, Leonard A.	2234 Putnam St., Toledo, Ohio	.5
8UV	Marshall, Ronald A.	Cazenovia, N. Y.	1.0
8EV	Mason, Carl D.	Oak Grove, Mich.	.5
8BN	Mason, George W.	165 S. 2d St., Fulton, N. Y.	.5
8ON	Mason, Norman P.	85 Brinkerhoff St., Plattsburg, N. Y.	1.0
8AFA	Matties, Frank P.	14 8th St., Rochester, N. Y.	.5
8AFR	Mattice, William A.	105 Highland Pl., Ithaca, N. Y.	.5
8MB	Maxon, Harry L.	267 Brinkman St., Buffalo, N. Y.	.5
8SY	Maynard, Reginald	920 Grandview St., Scranton, Pa.	.5
8ARH	McBride, George	704 Litchfield St., Bay City, Mich.	1.0
8GD	McCaffry, Angus	103 W. Willis Ave., Detroit, Mich.	.5
8ND	McCarty, Alison	38 Morgan St., Oberlin, Ohio	.5
8GF	McCowan, Jack	906 8th St., Port Huron, Mich.	.5
8HI	McCracken, Harold J.	1540 12th St., Detroit, Mich.	.5
8WH	McCullough, C. Hax	5801 Stanton Ave., Pittsburgh, Pa.	1.0
8AED	McCutcheon, William A.	103 Dow St., Falconer, N. Y.	1.0
8CZ	McDaniel, Donald G.	17 Colorado St., Ashtabula, Ohio	.5
8IK	McDowell, M. Fay	612 Mithoff St., Columbus, Ohio	1.0
8QI	McEniry, Clifford U.	875 Michigan Ave., Buffalo, N. Y.	1.0
8AOU	McKee, Robert R.	7008 Church Ave., Ben Avon, Pa.	1.0
8TD	McMillan, Howard F.	217 W. High St., Mt. Gilead, Ohio	1.0
8NC	McMunn, J. Homer	Cambridge, Ohio	.5
8TG	Meighan, James C.	Olivers Mills, Pa.	1.0
8DQ	Menges, William E.	6428 Aurelia St., Pittsburgh, Pa.	.5

AMATEUR RADIO STATIONS—Continued.

EIGHTH DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			<i>Kw.</i>
8AKS	Meredith, C. Palmer	628 S. Fountain St., Springfield, Ohio	1.0
8AKJ	Merrick, W. Bernard	156 Marshall St., Conneaut, Ohio	.5
8IB	Mielke, Carl E.	3619 Grenada St., Pittsburgh, Pa.	.5
8PA	Miller, Arthur	Spencerville, Ohio	.5
8IR	Miller, Arthur P.	14 Beuland Ave., Mt. Clemens, Mich.	.5
8AA X	Miller, Carl E., jr.	71 Aurora St., Lancaster, N. Y.	.5
8ASB	Millspaugh, Frederick	37 Gaylord St., Binghamton, N. Y.	.5
8QM	Milyo, Stephen	Mount Carmel, Pa.	.5
8BR	Miner, Simeon J.	2253 E. Jefferson St., Detroit, Mich.	.5
8OW	Mitchell, Edward H.	539 Main St., Findlay, Ohio	1.0
8UL	Mitchell, Phillip	8806 Blaine Ave., Cleveland, Ohio	.5
8EZ	Mitchell, William E.	R. F. D. No. 1, Oxford, Ohio	.5
8AES	Mittendorf, Earl D.	403 5th St., Ironton, Ohio	1.0
8HP	Moersfelder, Herbert L.	34 Ketchum Pl., Buffalo, N. Y.	.5
8JP	Moon, Orville P.	1752 E. Erie Ave., Lorain, Ohio	.5
8UG	Moore, Chester	28 Linden Ave., Buffalo, N. Y.	.5
8AFN	Moore, Harold S.	18 Locust St., Norwich, N. Y.	.5
8UZ	Moore, John B.	141 Park St., Buffalo, N. Y.	.5
8AAD	Moore, John H.	40 Prospect St., Susquehanna, Pa.	.5
8AGK	Morris, Carleton D.	31 Monroe St., Monroeville, Ohio	.5
8AOF	Morrow, Lorentz A.	1231 E. High St., Springfield, Ohio	1.0
8NE	Mosteller, Floyd	East Stroudsburg, Pa.	.5
8UE	Motz, Leo	St. Augustine's School, Cincinnati, Ohio	1.0
8AAL	Moyer, Gilbert G.	1603 Lincoln Ave., Lakewood, Ohio	.5
8AR	Mueller, Henry C.	1919 Doll St., Pittsburgh, Pa.	.5
8AS	Muhlbever, Charles W.	State Hospital, Rochester, N. Y.	.5
8ST	Muhlheizer, Louis	530 Fernando St., Pittsburgh, Pa.	1.0
8IS	Munch, Ernest A. and Albert A.	105 Excelsior St., Pittsburgh, Pa.	.5
8AIR	Munro, Glenn A.	25 Calvert Ave., Detroit, Mich.	.5
8EB	Munsell, Robert S.	191 Center St., Ashtabula, Ohio	.5
8AAM	Murdoch, William B., jr.	301 W. College St., Canonsburg, Pa.	.5
8ANZ	Murray, Charles J.	701 W. Fair St., New Philadelphia, Ohio	.5
8AIE	Muryne, Leo F. J.	633 W. North St., Kalamazoo, Mich.	.5
8EN	Myers, George E.	R. F. D. No. 1, Grand Blanc, Mich.	.5
8HD	Myers, Homer B.	1310 Huron Rd., Cleveland, Ohio	.5
8ABD	Myers, Walter L.	1512 W. Market St., Steubenville, Ohio	1.0
8LO	Nabring, Franklin	52 Foster Ave., Norwalk, Ohio	.5
8TP	Nealon, William A.	1604 St. Clair St., Cleveland, Ohio	.5
8MP	Neupert, Robert E.	500 Chartiers Ave., McKees Rocks, Pa.	1.0
8TI	Newbold, James I.	111 Orchard St., Solvay, N. Y.	.5
8ARC	Newman, Ansley	685 W. Ferry St., Buffalo, N. Y.	.5
8KS	Newton, Archibald E.	Cherry & 3d Sts., Jamestown, N. Y.	1.0
8APT	Newton, Harold D.	565 School St., South Haven, Mich.	.5
8H	Nichols, Raymond B.	Cattaraugus, N. Y.	.5
8ACE	Norquist, Reynold O.	517 E. 5th St., Jamestown, N. Y.	.5
8ID	Norris, George H.	77 Melbourne Ave., Detroit, Mich.	1.0
8BL	O'Bryan, James W.	Ranson, W. Va.	.5
8KN	Odenkirk, Russell	332 N. Bever St., Wooster, Ohio	.5
8WL	O'Leary, Hilary	Montclair St. and Stratford Ave., Crafton, Pa.	1.0
8ASS	Olney, Clarke	28 Roxford Rd., East Cleveland, Ohio	.5
8ADQ	Olson, Elvin E.	Frankford, Mich.	.5
8DF	Orrell, Robert W.	87 Frederick Ave., Detroit, Mich.	.5
8DL	Osterbrock, Edward and Harry, jr.	4152 Webster Ave., Norwood, Ohio	.5
8SJ	Ottney, James N.	Gibsonburg, Ohio	1.0
8AGX	Pasch, Harold	215 W. Front St., Erie, Pa.	.5
8LB	Palmer, Roland F.	470 E. Buchtel Ave., Akron, Ohio	.5
8ACD	Palmer, Roy	333 Pennsylvania Ave., Lansing, Mich.	1.0
8OT	Pancost, Maurice H.	R. F. D. No. 6, Lansing, Mich.	.5
8AAK	Pardridge, Clarence R.	521 Nimons St., Saginaw, Mich.	1.0
8CS	Pardridge, Walter	3039 Washington Ave., Saginaw, Mich.	.5
8AJA	Parmington, Walter O.	1151 E. Main St., Rochester, N. Y.	1.0
8AIG	Parry, Kenneth E.	1226 Gillette St., Port Huron, Mich.	.5
8ASR	Paul, George	2950 E. 57th St., Cleveland, Ohio	1.0
8CY	Payne, Arthur F.	629 Pierce St., Birmingham, Mich.	.5
8VA	Pearce, Henry A.	223 Cedar St., Buffalo, N. Y.	.5
8OY	Peck, George W.	1014 Vine St., Scranton, Pa.	1.0
8AMK	Perry, Paul A.	136 Woodbine Ave., Rochester, N. Y.	.5
8AEF	Perry, Ransom, jr.	Lisle, N. Y.	.5
8SG	Pesek, Myron R.	3288 Fulton Rd., Cleveland, Ohio	1.0
8HT	Petz, Joseph	10 Lowell St., Rochester, N. Y.	.5
8ARA	Peters, Edward	188 N. 21st St., Columbus, Ohio	.5
8FQ	Phelps, Raymond W.	203 N. Almer St., Caro, Mich.	.5
8DJ	Phillips, Glenn E.	551 McKintry Ave., Detroit, Mich.	1.0
8HB	Phillips, Maynard W.	Conewango, N. Y.	.5

## AMATEUR RADIO STATIONS—Continued.

## EIGHTH DISTRICT—Continued.

## ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
8ANX	Phillips, William M.	77 Market St., Mt. Clemens, Mich.	<i>Kw.</i> 0.5
8CX	Phippeny, Forest I.	R. F. D. No. 4, Battle Creek, Mich.	1.0
8AKB	Pickens, Willard H.	209 Hazelwood Ave., Emsworth, Pa.	1.0
8GJ	Piper, Floyd B.	142 Breckenridge St., Buffalo, N. Y.	.5
8CJ	Plantinga, John G.	10321 Ashbury Ave., Cleveland, Ohio.	1.0
8RU	Poad, Edwin H.	1509 E. 123d St., Cleveland, Ohio.	.5
8AGP	Popky, Charles J.	212 E. Market St., Wilkes-Barre, Pa.	.5
8QW	Potts, Charles G.	726 W. Norwegian St., Pottsville, Pa.	.5
8HQ	Poux, Noel J.	432 Pine St., Meadville, Pa.	1.0
8QP	Powell, Ralph C.	5236 Westminster Pl., Pittsburgh, Pa.	.5
8WQ	Poysell, Robert E.	839 E. Ridgeway Ave., Cincinnati, Ohio.	.5
8ME	Preece, Richard, jr.	2124 N. 12th St., Toledo, Ohio.	.5
8ADX	Preston, Kenneth G.	537 W. Walnut St., Ashland, Ohio.	.5
8SO	Preston, Menzo D.	424 E. Main St., Wellington, Ohio.	.5
8FY	Prince, Harmon	3214 W. 88th St., Cleveland, Ohio.	.5
8NT	Proffitt, Jerome B.	471 Lincoln Ave., Bridgeport, Ohio.	1.0
8AKP	Proper, Jesse B.	823 Ellzabeth St., Flint, Mich.	.5
8ASL	Froutey, Laurence.	175 De Russey St., Binghamton, N. Y.	1.0
8AOD	Ragsdale, Charles C. C.	146 S. Bryant Ave., Bellevue, Pa.	.5
8AJS	Raichle, Joe L.	24 Johnson Pk., Buffalo, N. Y.	.5
8IN	Ranger, Arthur.	209 Belvedere St., Charlevoix, Mich.	.5
8ADA	Rann, Maurice B.	Morrice, Mich.	.5
8JL	Raring, William.	20 Dinsmore Ave., Crafton, Pa.	1.0
8LS	Rawson, Myron A.	535 Lodi St., Elyria, Ohio.	.5
8AQM	Redington, Edmond B.	436 Waverly St., Waverly, N. Y.	.5
8ALS	Reed, Arthur J.	2633 Norwood Ave., Pittsburgh, Pa.	.5
8CE	Reeves, Arthur A., jr.	288 Emerson St., Rochester, N. Y.	.5
8AP	Reich, Herbert.	11423 Ashbury Ave., Cleveland, Ohio.	1.0
8APW	Reichle, Henry W.	Morrison and Cleveland Aves., Pittsburgh, Pa.	.5
8SP	Reid, Thomas A.	411 S. Limestone St., Springfield, Ohio.	1.0
8AHO	Reidenbach, Lester A.	510 Sheridan Ave., Pittsburgh, Pa.	.5
8AGI	Rembold, Walter O.	120 Hershey St., Dayton, Ohio.	.5
8OP	Reynolds, Charles I.	25 Sturges St., Binghamton, N. Y.	.5
8AEL	Reynolds, Marion B.	353 Birr St., Rochester, N. Y.	.5
8LD	Rice, Homer D.	150 Livingston St., Buffalo, N. Y.	.5
8TJ	Rich, Martin.	2259 E. 85th St., Cleveland, Ohio.	1.0
8AQQ	Richardson, Norton.	70 Davenport St., Detroit, Mich.	.5
8TW	Richey, Joseph L.	241 E. Center St., Shenandoah, Pa.	.5
8AC	Richmond, Norman E.	5811 Lexington Ave., Cleveland, Ohio.	1.0
8AGJ	Ricksecker, Russell E.	Lowellville, Ohio.	.5
8VD	Riehle, J. F.	1642 Cedar Ave., Cincinnati, Ohio.	.5
8AEU	Rippl, Lewis M.	1601 2d St. NE., Canton, Ohio.	1.0
8MS	Ritchey, Ole B.	Lake City, Mich.	.5
8AFK	Robertson, Adelbert R.	7938 Toga St., Pittsburgh, Pa.	1.0
8BV	Robinson, David K.	Frankfort, Mich.	.5
8AAF	Robinson, David L.	513 Freeport Rd., New Kensington, Pa.	.5
8MF	Robie, Milo H.	Williamson, N. Y.	.5
8WX	Rodd, Herbert C.	2347 W. 101st St., Cleveland, Ohio.	.5
8ASI	Roe, Millard J.	909 Egleston Ave., Kalamazoo, Mich.	.5
8DT	Rogers, Grant.	2065 McKinley Ave., Lakewood, Ohio.	1.0
8GM	Root, Leland B.	711 Utica St., Fulton, N. Y.	.5
8LY	Rose, Herman.	77 Johnson St., Buffalo, N. Y.	.5
8IH	Ross, Donald H.	375 Commonwealth Ave., Detroit, Mich.	.5
8ARI	Ross, Kendrick.	60 Warwick Ave., Rochester, N. Y.	.5
8ADC	Roy, Percy W.	295 Maple St., Buffalo, N. Y.	.5
8BM	Ruhl, Mark.	160 Martin Ave., Columbus, Ohio.	1.0
8ANE	Russell, Fred W.	909 Kensington Ave. SW., Grand Rapids, Mich.	.5
8AL	Russell, James L.	2125 E. 79th St., Cleveland, Ohio.	.5
8CW	Ryan, Reginald G.	204 Bredren St., Youngstown, Ohio.	.5
8RX	Ryan, Theodore W.	1453 14th Ave., Detroit, Mich.	.5
8ASW	Sager, Merel.	44 Apple St., Tiffin, Ohio.	.5
8AII	Sanborn, Irwin T.	84 Chope Pl., Detroit, Mich.	1.0
8A00	Sauerbrey, William J.	Shenandoah, Pa.	.5
8A0Q	Saunders, Ezra L.	141 4th Ave., Gallipolis, Ohio.	1.0
8NV	Sayles, Ralph H., jr.	Milan, Ohio.	1.0
8AKZ	Sayles, Thomas S.	1420 14th Ave., Detroit, Mich.	1.0
8ADS	Schamberger, Sanford O.	24 6th Ave., Gloversville, N. Y.	1.0
8HH	Schaming, John P.	3114 McClurg St., Pittsburgh, Pa.	.5
8HG	Schardt, Carl M.	12813 Marston Ave., Cleveland, Ohio.	.5
8OK	Scheib, Joseph F.	6243 Station St., Pittsburgh, Pa.	.5
8HN	Schegel, Raymond G.	1118 N. Negley Ave., Pittsburgh, Pa.	.5
8AFA	Schlesinger, Louis.	1842 Centre Ave., Pittsburgh, Pa.	.5
8AEE	Schmid, Paul J.	821 Main St., Columbus, Ohio.	.5
8RW	Schmidle, Claude.	Ebenezer, N. Y.	.5
8APD	Schmidt, Paul.	106 Excelsior St., Pittsburgh, Pa.	.5
8UU	Schmidtz, George.	750 Ross Ave., Hamilton, Ohio.	1.0

AMATEUR RADIO STATIONS—Continued.

EIGHTH DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
8AR	Schorn, Valentine A.	338 Antietam St., Detroit, Mich.	K12, 0.5
8KV	Schramm, Joseph H.	927 N. Highland Ave., Pittsburgh, Pa.	.5
8DC	Schulder, Arthur	6110 Utica Ave., Cleveland, Ohio.	.5
8LL	Schwane camp, Raymond.	207 Lemon St., Buffalo, N. Y.	.5
8BY	Schwindt, Herman J.	3517 Bevis Ave., Cincinnati, Ohio.	1.0
8LE	Scott, Hoyt S.	North Fairfield, Ohio.	.5
8DB	Scoville, George I. C.	518 N. Jamison Ave., Lima, Ohio.	.5
8AGR	Scupholm, Fred J.	939 Court St., Port Huron, Mich.	.5
8FN	See, Chester F.	220 Antrim St., Charlevoix, Mich.	.5
8ANI	Seidel, Frank.	1357 Tennessee Ave., Dormont, Pa.	.5
8EE	Selden, James M., jr.	Crafton, Pa.	1.0
8AFU	Servais, Francis W.	Falls Creek, Pa.	1.0
8TE	Shafer, Andrew L.	Scott, Ohio.	1.0
8FQ	Shaw, Eurelle L.	2054 E. Anglaize St., Wapakoneta, Ohio.	.5
8AEP	Shedd, Arthur R.	302 Main St., Butler, Pa.	.5
8GX	Sheerin, Conway J.	16 South St., Dansville, N. Y.	.5
8MJ	Sherman, Fred.	Benton Harbor, Mich.	1.0
8JR	Sherrill, Alvan C.	326 S. Highland Ave., Pittsburgh, Pa.	1.0
8AEW	Shields, Robert D.	Sta. B., North High St., Columbus, Ohio.	.5
8DG	Shley, Charles.	110 Washington St., Kalamazoo, Mich.	.5
8LG	Sibert, Richard E.	111 E. Benton St., Wapakoneta, Ohio.	1.0
8VE	Siedle, William R.	5637 Rippey St., Pittsburgh, Pa.	.5
8T	Simcox, Paul C.	403 N. 7th St., Cambridge, Ohio.	.5
8NT	Slagle, Vernon T.	68 E. 17th Ave., Columbus, Ohio.	.5
8UX	Sleeman, Walter R.	205 Sagamore St., Pittsburgh, Pa.	1.0
8WM	Slocum, Charles.	170 Annadale Ave., Akron, Ohio.	1.0
8ANT	Slyfield, Charles O.	Frankfort, Mich.	.5
8QO	Smith, Grant A.	408 Jay St., St. Clair, Mich.	.5
8AJR	Smith, Harold H.	303 Potomac Ave., Buffalo, N. Y.	1.0
8CP	Smith, Newell R.	525 N. Main St., Wellington, Ohio.	.5
8KL	Smith, Raymond.	Tippecanoe City, Ohio.	.5
8OE	Smith, Verne E.	Knox, Pa.	.5
8ALA	Snider, Ellwood H.	20 Normandy Ave., Rochester, N. Y.	1.0
8KZ	Snyder, Lawrence L.	200 B. Walnut St., Ravenna, Ohio.	.5
8FO	Snyder, Norman G.	7 Central Ave., Ithaca, N. Y.	1.0
8ANN	Somers, Warren A.	151 E. Main St., Bradford, Pa.	1.0
8FT	Spargo, James A., jr.	403 N. George St., Rome, N. Y.	1.0
8AKX	Spaulding, Claude W.	32 Robinson Ter., Plattsburg, N. Y.	.5
8GW	Spencer, J. Edmund	532 Lake St., Ashtabula, Ohio.	.5
8HK	Spiller, Archibald G.	211 Strathmore Ave., East Cleveland, Ohio.	.5
8QU	Spindler, Raymond	83 Saranac St., Rochester, N. Y.	.5
8ARY	Spitler, Stephen	Continental, Ohio.	1.0
8SH	Spotts, Ralph T.	1721 Euclid Ave., Cleveland, Ohio.	.5
8OZ	Staud, Cyril J.	233 Rutger St., Rochester, N. Y.	.5
8LH	Stauf, Jacob L.	347 Oakland Ave., Pittsburgh, Pa.	.5
8AKD	Stanton, R. E.	587 Dewey Ave., Rochester, N. Y.	.5
8DY	Stecher, Harold I.	15 Bedford Ave., Monticello, N. Y.	.5
8II	Stelm, L. Harold.	R. F. D. No. 2, Kittanning, Pa.	.5
8IZ	Steinman, Dwight H.	418 Pine St., Lima, Ohio.	1.0
8WJ	Stelzer, James O.	Frankfort, Mich.	.5
8BU	Stellrecht, Howard.	15 Clark St., Lancaster, N. Y.	.5
8ABI	Stellwagen, Arthur.	312 E. Jefferson St., Ann Arbor, Mich.	.5
8OL	Stern, Fred W.	835 Glenwood Ave., Cincinnati, Ohio.	.5
8IG	Sternfeld, Charles B.	516 W. Cedar St., Kalamazoo, Mich.	1.0
8VW	Stevens, Allen C.	1821 Humboldt Ave., Cincinnati, Ohio.	.5
8ANH	Stewart, Donald G.	225 Putnam St., Toledo, Ohio.	.5
8PR	Stiveson, Andrew	1530 Buena Vista St. NS, Pittsburgh, Pa.	1.0
8ASF	Stolzenbach, Robert W. and Charles H.	724 W. Market St., Lima, Ohio.	.5
8ABK	Storck, Howard J. C.	694 Carpenter St., Columbus, Ohio.	1.0
8AAR	Stotter, Vernon B.	1195 Webb Rd., Lakewood, Ohio.	.5
8TO	Stotter, Herbert J.	1397 E. Blvd., Cleveland, Ohio.	1.0
8ADN	Stradling, Fred.	Hamilton, N. Y.	.5
8AKK	Straith, Floyd E.	80 Pingree Ave., Detroit, Mich.	1.0
8ABW	Straw, R. Clyde.	Venango, Pa.	.5
8QA	Struchen, Raymond S.	Sterrettania, Pa.	.5
8AD	Strunk, William O.	107 Lake St., Ithaca, N. Y.	.5
8AW	Stybr, Gilbert	R. F. D. No. 3, Bellevue, Pa.	.5
8AMO	Supernaw, Jack S.	305 Dixon Ave., Charlevoix, Mich.	.5
8ADR	Sullberger, John A.	1412 Woodbourne Ave., Pittsburgh, Pa.	.5
8RP	Sutherland, Arthur E., jr.	105 Bellevue Drive, Rochester, N. Y.	.5
8DX	Swaigood, Paul B.	114 E. 118th St., Cleveland, Ohio.	1.0
8BS	Swan, Donald.	123 Canfield Ave., Detroit, Mich.	.5
8GP	Swanson, Oscar E.	184 Bath St., Elyria, Ohio.	.5
8AMF	Swingle, Forrest W.	18 Alfred St., Binghamton, N. Y.	.5



## AMATEUR RADIO STATIONS—Continued.

## EIGHTH DISTRICT—Continued.

## ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. Kw.
8AIP	Tatman, Harley C.	Continental, Ohio.	0.5
8AK	Taylor, Willard L.	148 Kennedy St., Syracuse, N. Y.	1.0
8DH	Temple, Lemuel M.	103 Mason St., Cincinnati, Ohio.	.5
8GE	Terback, John H.	3169 W. 90th St., Cleveland, Ohio.	.5
8ASM	Terry, Donald M.	Scott, Ohio.	.5
8HJ	Terry, James E.	1877 E. 90th St., NE., Cleveland, Ohio.	1.0
8IQ	The Electro-Set Co.	3200 Franklin Ave., Cleveland, Ohio.	1.0
8KY	Thomas, Earl R.	712 Louisa St., Williamsport, Pa.	.5
8ACI	Thomas, Frank P.	135 Brownsville Rd., Pittsburgh, Pa.	1.0
8FX	Thomas, Norman A.	512 7th St., Marietta, Ohio.	.5
8AMV	Thompson, Charles R.	815 Wall St., Port Huron, Mich.	.5
8AIZ	Thornton, Wallace W.	258 Madison Ave., Youngstown, Ohio.	.5
8AML	Thurn, Alois H.	W. Greenlawn Ave., Columbus, Ohio.	.5
8AND	Thurnes, Darley.	187 W. Chestnut St., Akron, Ohio.	.5
8AAC	Tiffany, Wade R.	62 State St., Susquehanna, Pa.	.5
8SZ	Tobin, W. A.	428 W. McKibben St., Lima, Ohio.	1.0
8ADE	Todd, Conway L.	62 Berkeley St., Rochester, N. Y.	1.0
8GK	Tomlinson, George E.	520 Crawford St., Grand Rapids, Mich.	.5
8ARV	Toreson, Alfred.	9702 Allerton Ave., Cleveland, Ohio.	.5
8RT	Toy, Miles N.	1214 W. Market St., Lima, Ohio.	1.0
8VG	Trombley, Clarence E.	145 Washington Ave., Mt. Clemons, Mich.	.5
8IP	Trotter, Robert J.	214 Amanda Ave., Mt. Oliver, Pa.	.5
8ARE	Tullis, Don D.	59 N. 2d St., Newark, Ohio.	1.0
8BZ	Turnbull, Alonzo E.	1167 Lagonda Ave., Springfield, Ohio.	1.0
8APO	Twitchell, H.	4th and Wood Sts., Hamilton, Ohio.	1.0
8ARU	Tyler, Albert P.	299 Ardenall Ave., Cleveland, Ohio.	.5
8FB	Ush, Chester.	451 Summit St., Marion, Ohio.	.5
8VJ	Umbarger, Harold N.	239 W. 5th St., Mansfield, Ohio.	1.0
8QT	Van Buren, Harold J.	114 N. Crawford Ave., New Castle, Pa.	1.0
8AQK	Van De Carr, Richard D.	11 Amherst St., Rochester, N. Y.	.5
8SX	Vanderveken, Marix.	2210 N. Washington Ave., Scranton, Pa.	1.0
8SE	Vickery, William J.	40 Burr St., Gloversville, N. Y.	.5
8KAN	Von Behren, William P.	2149 Scottwood St., Toledo, Ohio.	.5
8MK	Vonderhaar, Elliott.	123 Valencia Ave., Cincinnati, Ohio.	.5
8ABE	von Gunten, Leon.	751 Brice Ave., Lima, Ohio.	.5
8AOB	Wachs, William C.	235 Hosea Ave., Cincinnati, Ohio.	.5
8BV	Wagner, Wayne.	18 East St., Ashtabula, Ohio.	.5
8OV	Wahl, Arthur F. and Wilbert C.	Pine Ridge, Buffalo, N. Y.	1.0
8GI	Wahl, Edward C.	60 Stewart Ave., Buffalo, N. Y.	.5
8OB	Waldrip, Laurence H.	352 Breckenridge St., Buffalo, N. Y.	.5
8FD	Walker, Carl.	1626 Potter Pl., Cincinnati, Ohio.	.5
8TV	Wallace, I. Gordon.	25 Grover St., Auburn, N. Y.	.5
8ACU	Waller, Nellie M.	615 N. 4th St., Cambridge, Ohio.	.5
8CL	Waller, Roy W.	837 N. 12th St., Cambridge, Ohio.	1.0
8AHS	Walrath, Floyd E.	DeKalb Junction, N. Y.	.5
8AFR	Walser, Arthur L.	Chesaning, Mich.	.5
8ACV	Waltz, Roy A.	1 Ellicott St., Depew, N. Y.	.5
8AAV	Wannenmacher, Harvey.	18 Brookfield Pl., Lancaster, N. Y.	.5
8NA	Waterman, Fred W.	116 Broad St., Elyria, Ohio.	.5
8MU	Watson, Martin L.	116 Alice St., Keyser, W. Va.	.5
8EJ	Watson, Samuel C.	Wilberforce, Ohio.	1.0
8GH	Weaver, Floyd H.	Richmond, Mich.	.5
8PW	Weaver, Frank M.	2706 Toledo St., Pittsburgh, Pa.	1.0
8VT	Weaver, Henry C.	1002 Bellaire Ave., Pittsburgh, Pa.	.5
8EY	Weaver, J. Marshall.	208 N. Main St., Greensburg, Pa.	.5
8JJ	Weber, Walter B.	660 Riley St., Buffalo, N. Y.	1.0
8TM	Weber, Walter B.	791 Seneca St., Buffalo, N. Y.	1.0
8AQW	Weckel, Wilson E.	2118 W. Tuscarawas St., Canton, Ohio.	.5
8ADV	Wedthoff, Guy G.	1720 6th St., Bay City, Mich.	1.0
8EQ	Weekman, Frank L. and Verne W.	115 Weeks St., Jamestown, N. Y.	.5
8RE	Weeks, Stuart R.	Richmond, Mich.	1.0
8IF	Weemhoff, S. J.	1152 Lafayette Ave., SE., Grand Rapids, Mich.	.5
8ARR	Weigold, Fred L.	1630 Queen City Ave., Cincinnati, Ohio.	.5
8RC	Weil, Norman C.	231 Riley St., Buffalo, N. Y.	1.0
8NX	Weiser, Elmer P.	284 Brinkman St., Buffalo, N. Y.	1.0
8WK	Weiser, Perry W.	344 Derr Ave., Wooster, Ohio.	.5
8AEJ	Weiss, Frank J.	Amherst, Ohio.	1.0
8TF	Welch, Thomas E.	92 N. Main St., Mechanicsville, N. Y.	1.0
8HV	Weller, Alvin.	1140 Warren Rd., Lakewood, Ohio.	1.0
8FN	Wellington, Vernon D.	511 Gibbs Ave., Wapakoneta, Ohio.	.5
8APS	Welty, Noble K.	302 W. College St., Cannonsburg, Pa.	.5
8MT	Wendeln, Bernard O.	133 N. Wayne St., St. Marys, Ohio.	1.0
8ADF	Werner, Herman E.	41 Fay St., Akron, Ohio.	.5
8RQ	Westcott, Alva F.	Ashville, N. Y.	1.0

AMATEUR RADIO STATIONS—Continued.

EIGHTH DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			<i>Kw.</i>
8AEZ	West, M. B.	511 W. Eureka St., Lima, Ohio	1.0
8JM	Westfall, Earl J.	292 Ontario St., Buffalo, N. Y.	.5
8ALW	Weyer, Elliott R.	Washington, Pa.	.5
8VM	Wheat, Henry A., jr.	584 S. Main St., Geneva, N. Y.	.5
8LK	Wieneke, Edward	128 Peterboro St., Detroit, Mich.	.5
8PP	Wier, Edwin	742 Gott St., Ann Arbor, Mich.	.5
8ARP	Wight, Lloyd W.	127 Courtland, Wellington, Ohio.	.5
8TC	Wightman, E. Russell.	Flint Central High School, Flint, Mich.	1.0
8ACS	Wiley, Donald A.	3029 Harvey Ave., Cincinnati, Ohio.	.5
8UH	Wiley, Violet A.	159 Northampton St., Buffalo, N. Y.	.5
8FM	Wilkinson, Howard E.	239 Blaine Ave., Buffalo, N. Y.	.5
8VK	Willard, Charles A.	2025 W. 95th St., Cleveland, Ohio.	.5
8IL	Williams, Burton P.	2321 Perrysville Ave., Pittsburgh, Pa.	.5
8EH	Williams, Claude	820 Brooks St., Ann Arbor, Mich.	1.0
8AIN	Williams, John C.	60 Hollister St., Cincinnati, Ohio.	.5
8JT	Williams, Raymond K.	1342 Westlake Ave., Lakewood, Ohio.	.5
8KT	Williamson, Warren, jr.	1840 Market St., Youngstown, Ohio.	.5
8GC	Wilson, Albert S.	Apollo, Pa.	1.0
8AHD	Wilson, Arthur Y.	838 Ohio Ave., Youngstown, Ohio.	.5
8ARZ	Wilson, Harold H.	Silver Creek, N. Y.	.5
8AFE	Windham, Elwood A.	917 Lincoln Ave., Port Huron, Mich.	.5
8JD	Wing, Willis K.	Scott High School, Toledo, Ohio.	1.0
8UF	Wing, Willis K.	938 Grand Ave., Toledo, Ohio.	.5
8ADD	Winne, Robert F.	19 Holley St., Brockport, N. Y.	1.0
8AGD	Wirsching, Harold A.	24 Cannon St., Dayton, Ohio.	.5
8ARD	Wollmuth, Edward	827 Bird Ave., Buffalo, N. Y.	.5
8SA	Wood, Dewey H.	634 Grace St., Kalamazoo, Mich.	.5
8AFG	Wood, Donald	310 Augustine St., Rochester, N. Y.	.5
8AOL	Wood, Walter S.	752 Ardmore St., Akron, Ohio.	.5
8AKO	Woodbury, George F.	137 E. William St., Bath, N. Y.	.5
8SK	Woodcock, William D.	496 W. Ferry St., Buffalo, N. Y.	1.0
8AMM	Woodin, Lloyd	15 Lakin Ave., Jamestown, N. Y.	.5
8AGO	Woodmanse, Harold W.	214 Morris Ave., Buffalo, N. Y.	.5
8AAI	Woodruff, C. Herschel.	48 Woodruff Ave., Columbus, Ohio.	.5
8ADB	Woods, James B.	400 Wills Rd., Connellsville, Pa.	1.0
8SU	Woodworth, Samuel.	R. F. D. No. 3, Syracuse, N. Y.	1.0
90A	Worbass, Raymond K.	7410 Carnegie Ave., Cleveland, Ohio.	.5
8AON	Worden, Ralph P.	665 Lafayette Rd., Medina, Ohio.	.5
8ANG	Wright, Harold D., jr.	1116 W. Market St., Lima, Ohio.	.5
8NP	Wright, J. Warren.	1119 Fountain Ave., Springfield, Ohio.	.5
8AI	Wright, William A. S.	7216 McCurdy Pl., Ben Avon, Pa.	.5
8SS	Wurtz, Francis L.	Boston, N. Y.	.5
8TR	Yaeger, Henry	1036 N. Clinton Ave., Rochester, N. Y.	.5
8WN	Yerigan, George S.	632 E. Ludlow St., Hamilton, Ohio.	.5
8ASU	Yotter, Francis P.	Freeport, Pa.	.5
8ARB	Young, Arthur C.	1311 Abbott Rd., Buffalo, N. Y.	.5
8ALK	Young, Joel	717 W. Gray St., Elmira, N. Y.	.5
8WU	Young, L. Clifford.	722 N. Washington St., Van Wert, Ohio.	1.0
8JQ	Young Men's Christian Association.	110 Fourth Ave., Ann Arbor, Mich.	1.0
8GB	Young Men's Christian Association.	Zara and Virginia Sts., Pittsburgh, Pa.	.5
8AFI	Young Men's Christian Association Radio Club.	Elyria, Ohio.	1.0
8VV	Zeigler, Harry W.	7th and Ross Sts., Tarentum, Pa.	1.0
8IT	Zelenka, Stanley	3546 Carlyle Ave., Cleveland, Ohio.	.5
8CH	Zikovsky, Theodore	44 Kingsville Ave., Ashtabula, Ohio.	1.0
8NI	Zimmerman, Frederick C., jr.	15 Taft Ave., Detroit, Mich.	.5
8VN	Zornow, Harry	661 E. 120th St., Cleveland, Ohio.	1.0

ALPHABETICALLY BY CALL SIGNALS.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
8AA	Hausding, William A.	8AAG	Dominick, John H.	8AAM	Murdoch, William B., jr.
8AAB	Anderson, L. R.	8AAH	Ditto, Earl J.	8AAN	Lohrey, Clarence R.
8AAC	Tiffany, Wade R.	8AAI	Woodruff, Charles H.	8AAO	Bishman, Richard F.
8AAD	Moore, John H.	8AAJ	Brice, William E.	8AAP	Brown, Stanley E.
8AAE	Helbling, William E.	8AAK	Pardridge, Clarence R.	8AAQ	Devinney, Robert C.
8AAF	Robinson, David L.	8AAL	Moyer, Gilbert G.		

## AMATEUR RADIO STATIONS—Continued.

## EIGHTH DISTRICT—Continued.

## ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
8AAR	Stouffer, Vernon.	8AEE	Schmid, Paul J.	8AIA	Cady, Fred L.
8AAB	Bower, George C.	8AEF	Perry, Ransom, Jr.	8AIC	Feldstein, Milton.
8AAT	Kinman, Carson S.	8AEG	Cawley, Eugene H.	8AID	Butline, Arthur B.
8AAU	Brownell, Ralph.	8AEH	Balson, Donald W.	8AIE	Muryear, Leo F. J.
8AAV	Frank, Newton J.	8AEI	Erskine, James	8AIF	Bell, Irving.
8AAW	Bear, Walter D.	8AEJ	Weiss, Frank J.	8AIG	Parry, Kenneth E.
8AAX	Miller, Carl E., jr.	8AEK	Kiger, Earnest W.	8AII	Hoehl, Raymond H.
8AAY	Wannenmacher, Harvey F.	8AEL	Reynolds, Marion B.	8AIJ	Sanborn, Irwin T.
8AAZ	Kaufman, Jacob W.	8AEM	Galloway, W. Lyon.	8AIL	Huey, Wesley
8AB	Barr, Forrest L.	8AEN	Manning, Stuart.	8AIM	Conrad, Mark
8ABA	Burgwardt, Frederick C., jr.	8AEO	Doeright, Gilbert A.	8AIN	Brothers, Loyd C.
8ABD	Myers, Walter L.	8AEP	Shedd, Arthur.	8AIO	Williams, John C.
8ABE	Von Gunten, Leon.	8AEQ	Albertson, William C.	8AIP	Tatman, Harley C.
8ABG	Caswell, Frank A.	8AER	Mattice, William A.	8AIQ	Karl, Rudolph.
8ABI	Stellwagen, Arthur.	8AES	Mittendorf, Earl D.	8AIR	Munro, Glenn A.
8ABK	Storck, Howard J. C.	8AET	Cole, Kenneth.	8AIS	Burdick, George M. C.
8ABM	Groese, Herbert F.	8AEU	Rippl, Lewis M.	8AIT	Carpenter, Sears.
8ABN	Jones, Hugo W.	8AEV	Houck, Homer D.	8AIU	Kays, George W., jr.
8ABO	Mann, Orville L.	8AEW	Shields, Robert D.	8AIV	Kaestle, Albert.
8ABR	Howe, Richard H.	8AEX	Calkins, Norman.	8AIY	Carroll, Stanley W.
8ABS	Coville, Perkins.	8AEB	Davis, Harold P.	8AIZ	Thornton, Wallace.
8ABT	Dotterweich, Edward G.	8AEZ	West, M. B.	8AJ	Custis, Walter E.
8ABU	Hopkins, Cecil W.	8AF	Frey, Frederick E.	8AJA	Parlington, Walter O.
8ABW	Straw, K. Clyde.	8AFA	Schlesinger, Louis.	8AJG	Braatz, Eugene C.
8AC	Richmond, Norman E.	8AFD	Finley, Chester T.	8AJI	Baker, Gerald M.
8ACA	Hisey, Norval W.	8AFE	Windham, Elwood.	8AJM	Calvert, Allen.
8ACD	Palmer, Roy.	8AFG	Wood, Donald.	8AJN	Knott, Charles E.
8ACE	Norquist, Reynold O.	8AFI	Y. M. C. A.	8AJO	Amann, J. C.
8ACI	Thomas, Frank P.	8AFK	Robertson, Adelbert R.	8AJR	Smith, Harold H.
8ACK	Blair, Russell M.	8AFM	Kilbury, Walter A.	8AJS	Raichle, Joe L.
8ACM	Jacobus, Roger.	8AFN	Moore, Harold S.	8AJT	Clement, Russell C.
8ACN	Kelso, Herbert F.	8AFO	MacKnight, J. Donald.	8AJU	Bell, Charles H.
8ACO	Dietrich, Carl G. F.	8AFR	Waiser, Arthur L.	8AK	Taylor, Willard L.
8ACR	Atkinson, Ward.	8AFS	Kovatch, Alex.	8AKA	Kepler, Ralph E.
8ACS	Wiley, Donald A.	8AFT	Leighton, Paul A.	8AKB	Pickens, W. H.
8ACT	Baumgardner, Donald G.	8AFU	Beaman, Paul S.	8AKC	Bain, Ovid.
8ACU	Waller, Nellie M.	8AFW	Seiple, Robert H.	8AKD	Stamton, R. E.
8ACW	Johnstone, Richard S.	8AG	Broome, Donald W.	8AKE	Daly, James J.
8AD	Styber, Gilbert.	8AGA	Katzenberger, Raymond.	8AKF	Hepner, Earl.
8ADA	Rann, Maurice B.	8AGB	Jacks, Albert L.	8AG	Bower, Orville D.
8ADB	Woods, James B.	8AGC	Donahue, James B.	8AKH	Hartwich, Harry.
8ADC	Roy, Percy W.	8AGD	Wirsching, Harold A.	8AKJ	Merrick, W. Bernard.
8ADD	Fassett, G. M. Earle.	8AGE	Hanville, Roy A.	8AKK	Strath, Floyd E.
8ADE	Todd, Conway L.	8AGF	Howard, Carl G.	8AKN	Von Behren, Wm. P.
8ADF	Werner, Herman E.	8AGG	Anton, William G.	8AKO	Woodbury, Geo. F.
8ADG	Chandler, Merle C.	8AGH	Burns, Herman E.	8AKQ	Kaehni, Frank J.
8ADH	Lee, Harry H.	8AGI	Rembold, Walter O.	8AKS	Meredith, C. Palmer.
8ADI	Cundall, Lincoln A.	8AGJ	Ricksecker, Russell E.	8AKV	Galge, Robert J.
8ADJ	Kohli, Homer J.	8AGK	Morris, Carleton D.	8AKW	Giesenberg, Carl.
8ADK	Ford, Elliot.	8AGL	Bishop, Robert C.	8AKX	Spaulding, Claude W.
8ADL	Winne, Robert F.	8AGM	Burtis, Melvin M.	8AKY	Dyke, S. Eugene.
8ADM	Darrall, William G.	8AGN	Lindsay, A. M., jr.	8AKZ	Sayles, Thomas S.
8ADN	Stradling, Fred.	8AGO	Woodmansee, Harold W.	8AL	Russell, James.
8ADO	Kahn, Fred J.	8AGP	Popky, Charles J.	8ALA	Snider, Ellwood H.
8ADP	Brown, Clarence W.	8AGQ	Learmont, Victor.	8ALD	Lacock, Walter B.
8ADQ	Olson, Elvin E.	8AGR	Scuphoin, Fred J.	8ALE	Alexander, Lot and Hodge.
8ADR	Sullebarger, John.	8AGS	Hart, Ian B.	8ALI	Dauberman, John R.
8ADS	Schamberger, Sanford O.	8AGT	Hand, Ledyard M.	8ALK	Young, Joel.
8ADT	Greenwald, Hugo.	8AGU	Jepson, Mark B.	8ALM	Hunter, Noble A.
8ADU	Hoffman, Donald A.	8AGV	Waltz, Roy A.	8ALN	Addis, Roy R.
8ADV	Wedthoff, Guy G.	8AGW	Carlson, Wendell L.	8ALO	Bovee, Charles W.
8ADW	Barris, Allen.	8AGX	Paasch, Harold.	8ALS	Reed, Arthur J.
8ADX	Preston, Kenneth G.	8AGY	Durham, Harold M.	8ALU	Burkhardt, Geo. E.
8ADY	Atkinson, Earl W.	8AGZ	Bohannon, Robert C.	8ALW	Weyer, Elifott R.
8ADZ	Euler, John F.	8AHA	Matthes, Frank P.	8AM	Hartle, Wilbert G.
8AE	Berndt, Wm. F.	8AHD	Wilson, Arthur Y.	8AMA	Champe, Willard C.
8AEA	Cushman, Robert A.	8AHE	Bruning, Miles F.	8AMB	Koch, Frank.
8AEB	Kepler, Newton.	8AHN	Hawks, Harry L.	8AMD	Craig, Palmer.
8AEC	Gerhard, David.	8AHO	Reidenbach, Lester A.	8AMF	Swingle, Forrest W.
8AED	McCutcheon, William.	8AHS	Walrath, F. E.	8AMG	Altdoerfer, Frank H.
		8AHW	Kremer, Harold E.	8AMH	Wilson, James A.
		8AI	Wright, Wm. A.	8AMI	Hanny, George.
				8AMJ	Allan, Donald.
				8AMK	Perry, Paul A.
				8AMO	Supernaw, Jack S.

AMATEUR RADIO STATIONS—Continued.

EIGHTH DISTRICT—Continued.

ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
8AMP	Hodgkins, Harley G.	8AQE	Kerstetter, J. How-	8BC	Davis, Charles C.
8AMQ	Anson, Charles T.		ard.	8BD	Kimberly, Frank.
8AMR	Ewell, Lionel C.	8AQQ	Richardson, Norton.	8BE	Lippert, John P.
8AMV	Thompson, Charles R.	8AQI	Bookwalter, John F.	8BF	Jarvis, Roy B.
8AMW	Kreuzer, Joseph D.	8AQK	Van De Carr, Rich-	8BI	Kroeger, Gustav H.
8AMY	Kingsbury, Ralph N.		ard D.	8BK	Lappe, E. Robert.
8AMZ	Hovey, Carlton F.	8AQM	Redington, Edmond	8BL	O'Bryan, James W.
8ANB	Bower, Stanley.		B.	8BM	Ruhl, Mark.
8ANC	Israel, Dorman.	8AQN	Burdg, Clarence E.	8BN	Mason, George W.
8AND	Thurnes, Darley.	8AQO	Hofstetter, George E.	8BO	Lyons, Henry E.
8ANE	Russell, Fred W.	8AQR	Famariss, Walter.	8BP	Macer, Arthur J.
8ANF	Fraser, Ralph L.	8AQS	Knapp, Forest H.	8BQ	Menges, William E.
8ANG	Wright, Harry D., Jr.	8AQT	Burberry, Mahlon R.	8BR	Mincer, Simeon J.
8ANH	Stewart, Donald G.	8AQU	Leach, Frederick E.	8BS	Swan, Donald.
8ANI	Seidel, Frank.	8AQW	Weckel, Wilson E.	8BT	Ackerman, Edmund
8ANJ	Burgoon, Wesley.	8AR	Schorn, Valentine A.		K.
8ANK	Ernest, Robert A.	8ARA	Peters, Edward.	8BU	Stallrecht, Howard.
8ANL	Leppert, John L.	8ARB	Young, Arthur C.	8BV	Wagner, Wayne.
8ANM	Griggs, Kenneth C.	8ARC	Newman, Ansley.	8BW	Robinson, David K.
8ANN	Somers, Warren A.	8ARD	Wollmuth, Edward.	8BX	Davis, Herbert E.
8ANO	Baisley, J. Everett.	8ARE	Tullis, Don D.	8BY	Schwindt, Herman J
8ANP	Ezline, George A.	8ARF	Baillie, Howard L.	8BZ	Turnbull, Alonzo E.
8ANQ	Lewis, Nelson.	8ARG	Cross, Irving.		
8ANR	Benson, Walfred.	8ARH	McBride, George.	8CA	Fidler, Sherwood K.
8ANS	Foltz, Harold H.	8ARI	Ross, Kendrick.	8CC	Barnett, Walter J.
8ANT	Slyfield, Charles O.	8ARJ	Ingalls, Allan C.	8CD	Benz, Carroll.
8ANU	Jensen, Luther J.	8ARK	Corey, Dwight.	8CE	Reeves, Arthur A., jr.
8ANV	Glause, Edwin H.	8ARL	Johnson, Gordon.	8CF	Beller, Harold F.
8ANW	Brown, Le Roy.	8ARM	Herrick, Robert E.	8CG	Grieb, Edward.
8ANX	Phillips, William M.	8ARN	Houck, Hugh H.	8CH	Zikovsky, Theodore.
8ANY	Carpenter, Donald F.	8ARO	Bunning, Theodore.	8CI	Danforth, Gordon F.
8ANZ	Murray, Charles.	8ARP	Wight, Lloyd W.	8CJ	Plantinga, John G.
8AO	Deighan, Edward I.	8ARQ	Gurney, Daniel.	8CK	Grinnell, Russell R.
8AOA	Dieter, Howard L.	8ARR	Weigold, Fred L.	8CL	Waller, Roy W.
8AOB	Wachs, William C.	8ARS	Flora Russel.	8CM	Bieber, Carl W.
8AOC	Kent, Arthur L.	8ART	Coughenour, Virgil J.	8CN	Barton, James F.
8AOD	Ragsdale, Charles C. C.	8ARU	Tyler, Albert P.	8CO	Harmon, H. W.
8AOE	Huil, James E.	8ARV	Toreson, Alfred.	8CP	Smith, Newell R.
8AOF	Morrow, Lorentz A.	8ARW	Belinson, Meyer.	8CQ	Brede, Erwin F.
8AOG	Creps, John A.	8ARX	Ackley, William J.	8CR	Johnson, J. H. E.
8AOH	Clauve, Carl E.	8ARY	Spitler, Stephen.	8CS	Pardridge, Walter T.
8AOI	Curtiss, Gerald H.	8ARZ	Wilson, Harold H.	8CT	Bush, Claude M.
8AOJ	Durstine, John E.	8AS	Muhlbeier, Chas. W.	8CU	Forshee, Kenneth.
8AOK	Brewster, Fred J.	8ASA	Lininger, Clarence R.	8CV	Kress, Lester P.
8AOL	Wood, Walter S.	8ASB	Millspaugh, Fredk.	8CW	Ryan, Reginald G.
8AOM	Hamel, Arthur.	8ASC	Kidd, J. William.	8CX	Phippney, Forrest I.
8AON	Worden, Ralph P.	8ASD	Dummore, Wallace P.	8CY	Payne, Arthur F.
8AOP	Sauerbrey, Wm. J.	8ASF	Stolzenbach, Robert	8CZ	McDaniel, Donald G.
8AOP	Rowyer, Glenn B.		and Charles.		
8AOQ	Saunders, Era L.	8ASG	Howsare, Geo. D.,	8DA	Horton, Paul E.
8AOR	Adams, Joy C.		and Flory, Carl L.	8DB	Scoville, George I.
8AOS	Eiszler, Emmerson L.	8ASH	Finegan, George W.	8DC	Schulder, Arthur.
8AOT	Demarest, Foster J.	8ASI	Roe, Millard J.	8DD	Fleckner, Harry K.
8AOU	McKee, Robert R.	8ASJ	Conner, Charles E.	8DF	Orell, Robert W.
8AOV	Cramer, Charles F.	8ASK	Evans, Jack.	8DG	Shiley, Charles.
8AOW	Clem, Robert.	8ASL	Proutey, Laurence.	8DH	Temple, Lemuel M.
8AOX	Cooley, Clair R.	8ASM	Terry, Donald M.	8DI	Gurnee, Floyd L.
8AOY	Hughes, Edwin R.	8ASN	Fisk, Rufus.	8DJ	Phillips, Glenn.
8AOZ	Ferris, James H.	8ASO	Carr, Irving E.	8DK	Kobrc, Frank.
8AP	Relch, Herbert.	8ASP	Gamble, Howard B.	8DL	Osterbrock, Edward
8APA	Beer, Frank P.	8ASQ	Greenwell, Robert.		and Harry.
8APD	Schmidt, Paul.	8ASR	Paul, George.	8DM	Esch, Winthrop W.
8APE	Lockwood, Harry P.	8ASS	Olney, Clarke.	8DN	Knappen, Bert.
8APG	Henes, Christian.	8AST	Hills, Harold C.	8DO	Bell, Norman W.
8API	Childs, Herbert R.	8ASU	Yotter, Francis P.	8DP	Fritsche, Lewis W.
8APK	Bachtel, Alfred.	8ASV	Davidson, Robert L.	8DR	Holmes, Chas. E.
8APM	Auten, George C.	8ASW	Sager, Merel.	8DS	Godley, Gordon F.
8APN	Bock, Ashley P.	8AT	Barton, Howard.	8DT	Rogers, Grant.
8APO	Twitchell, H.	8AU	Frost, Harry E.	8DV	Cobb, Rupert.
8APR	Huff, Samuel W.	8AV	Fullwood, William R.	8DW	Apger, Charles O.
8APS	Welty, Noble K.	8AW	Gogel, A delbert J.	8DX	Swasgood, Paul B.
8APT	Newton, Harold D.	8AX	Gentzsch, Leonard H.	8DY	Steager, Harold I.
8APU	Servais, Francis W.	8AY	Irvin, Daniel L.	8DZ	Aker, Ellison E.
8APW	Reichle, Henry W.	8AZ	Hansen, Edmund H.		
8AQ	Ela, Willard C.			8EA	Mack, Clifford J.
8AQA	King, William R.	8BA	Hiller, Herbert.	8EB	Munsell, Robert S.
8AQD	Dilworth, John G.	8BB	Hoves, Stanley L.	8ED	Carver, Alfred J.

## AMATEUR RADIO STATIONS—Continued.

## EIGHTH DISTRICT—Continued.

## ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
8EE	Selden, James M., Jr.	8HA	Birkel, Lawrence J.	8JY	Chamberlain, Oscar A.
8EF	Dorst, Edward L.	8HB	Phillips, Maynard W.	8JZ	Manning, A. J.
8EG	Gebhard, Louis A.	8HC	Johnston, S. Paul.	8KA	Ankerman, Roy E.
8EH	Williams, Claude.	8HD	Myers, Homer.	8KB	Core, Eugene D.
8EI	Gray, Clarence N.	8HE	Grottleall, Emil.	8KC	Gammon, Joseph.
8EJ	Watson, Samuel C.	8HF	Weemhoff, S. J.	8KD	Benjamin, Carlisle.
8EK	Kumpf, Elmer H.	8HG	Schardt, Carl M.	8KE	Beck, Frank G.
8EL	Langenbach, Leo.	8HH	Schaming, John P.	8KF	Leffler, Ralph H.
8EM	Wilkinson, Howard E.	8HI	McCracken, Harold J.	8KG	Angel, Jay L.
8EN	Myers, G. E.	8HJ	Terry, James E., II.	8KH	Brockway, Earl H.
8EO	Kinney, Russell.	8HK	Spiller, Archibald G.	8KI	Devaney, Richard G.
8EP	Hornbeck, John.	8HL	Blake, F. D.	8KJ	Smith, Raymond.
8EQ	Weekman, Frank L. and Vern W.	8HM	Human, Edward J. L.	8KM	Guest, Wesley T.
8ER	Elias, Louis W.	8HN	Schlegel, Raymond G.	8KN	Odenkirk, Russell.
8ES	Aber, Ernest M., Jr.	8HO	Holt, George W.	8KO	Combs, Frayne.
8ET	Dieterich, Adele F.	8HP	Moersfelder, Herbert L.	8KP	Fuss, Chester.
8EU	Kinne, Laurance W.	8HQ	Poux, Noel J.	8KQ	Fisher, Earl U.
8EV	Mason, Carl D.	8HR	Foster, Clarence M.	8KR	Hills, Virgil A. and Harold G.
8EW	Current, Warren J.	8HS	Berry, U. Mack	8KS	Newton, Archibald E.
8EX	Henlein, Carl A.	8HT	Petz, Joseph.	8KT	Williamson, Warren, Jr.
8EY	Weaver, J. Marshall.	8HU	Faroo, Glenn.	8KU	Cookman, Murray R.
8EZ	Mitchell, William E.	8HV	Weller, Alvin.	8KV	Schramm, Joseph H.
8FA	Fender, Clinton H.	8HW	Strunk, William O.	8KW	Kohler, Harry.
8FB	Ulsh, Chester.	8HY	Kuehner, Roland.	8KX	Cuff, Harold C.
8FC	Holden, Ira S.	8HZ	Fraser, John W.	8KY	Thomas, Earl R.
8FD	Walker, Carl.	8IA	Griffin, John F.	8KZ	Snyder, Lawrence L.
8FE	Finch, Brent S.	8IB	Mielke, Carl E.	8LA	Lindsay, Percy H.
8FF	Baker, Raymond, S.	8IC	Hoover, Paul L.	8LB	Palmer, Roland F.
8FG	Coleman, John B.	8ID	Norris, George H.	8LC	Curtiss, Glenn W., Jr.
8FI	Burger, Richard W.	8IE	Schellenbach, Donald	8LD	Rice, H. D.
8FJ	Clausing, Leroy M. E.	8IF	Sternfeld, Charles B.	8LE	Scott, Hoyt S.
8FL	Hudson, Albert N.	8IG	Ross, Donald H.	8LF	Loebes, George.
8FM	Daugherty, Robert J.	8IH	Stein, L. H.	8LG	Sibert, Richard E.
8FN	Wellington, Vernon D.	8II	Diedrich, Paul E.	8LH	Staut, Jacob L.
8FO	Snyder, Norman G.	8IJ	McDowell, M. Fay.	8LI	Hill, Dorman S.
8FP	Esslinger, Elwim.	8IK	Williams, Burton P.	8LJ	Linxweiler, Carl J.
8FQ	Phelps, Raymond W.	8IL	Collins, Benj. F.	8LL	Schwane camp, Raymond.
8FR	Briggs, Fred.	8IM	Ranger, Arthur.	8LM	MacLaughlin, Donald.
8FS	Donohue, Daniel, Jr.	8IN	Garrity, William D.	8LN	Butler, Harry F.
8FT	Spargo, James A.	8IO	Trotter, Robert J.	8LO	Nabring, Frankin.
8FU	Blattner, Emil H.	8IP	Electro-Set Company, The.	8LP	Bly, Ralph.
8FV	Francis, Jesse J.	8IQ	Miller, Arthur P.	8LQ	Dunlap, Orrin E., Jr.
8FW	Banes, Charles C. A.	8IR	Munch, Ernest A. and Albert A.	8LR	Magdeburg, Morris R.
8FX	Thomas, Norman.	8IS	Zelenka, Stanley.	8LS	Rawson, Myron A.
8FY	Prince, Harmon.	8IT	Eaton, Floyd W.	8LT	Copp, Stanley.
8FZ	Bennett, Edward J.	8IU	Fox, John F.	8LV	Kronme, Frank.
8GA	Burr, Gordon.	8IV	Green, John B.	8LX	Igenfritz, James I. E.
8GB	Hill Top Y. M. C. A.	8IW	Dencer, John.	8LY	Rose, Herman.
8GC	Wilson, Albert S.	8IX	Bidwell, Paul.	8LZ	Hess, Elmer.
8GD	Brinker, William N.	8IY	Steinman, Dwight H.	8MB	Maxon, Harry L.
8GE	Terbrack, John H.	8IZ	Gunn, Ross.	8MC	Holmes, Charles A.
8GF	McCowan, Jack.	8JA	Beare, George L.	8MD	Hall, Eldred R.
8GG	Edwards, Maynard W.	8JB	Wing, Willis K.	8ME	Preese, Richard, Jr.
8GH	Weaver, Floyd H.	8JC	Daniels, Le Roy.	8MF	Robie, Milo H.
8GI	Wahl, Edward C.	8JD	Moon, Orville.	8MG	Fish, J. Mulford.
8GJ	Piper, Floyd B.	8JE	Lord, Harry R.	8MH	Bushnell, Clarence E.
8GK	Tomlinson, George E.	8JF	Nichols, Raymond D. H.	8MI	Manning, Howard H.
8GL	Konrad, Henry.	8JG	Maddock, Lewis D.	8MJ	Sherman, Fred.
8GM	Root, Leland B.	8JH	Weber, Walter B.	8MK	Vonderhaar, Elliott.
8GN	Henninger, Alan E.	8JI	Baer, Earle E.	8ML	Berman, Isidore A.
8GO	Kohnitz, Harvey F.	8JK	Raring, William.	8MM	Levy, Irving R.
8GP	Swanson, Oscar.	8JL	Westfall, Earl J.	8MN	Knoll, Floyd A.
8GQ	Horn, Herbert E.	8JM	Arthurs, Biddle, Jr.	8MO	Macgregor, James E.
8GR	Long, Charles A.	8JN	Becker, Freeman A. Y. M. C. A.	8MP	Neupert, Robert E.
8GS	Kneale, Charles K.	8JO	Sherrill, Alvan C.	8MQ	Duff, Cuthbert.
8GT	Hoover, Raymond.	8JP	Williams, Raymond.	8MR	Livingood, Hubert W.
8GU	Loehr, George R.	8JQ	McCann, Charles S.	8MS	Ritchey, Ole B.
8GV	Kleber, Jackson O.	8JR	Williams, Raymond.	8MT	Wendelin, Bernard O.
8GW	Spencer, J. Edmund.	8JS	McCann, Charles S.		
8GX	Sheerin, Conway.	8JT	Kreighbaum, Cyril.		
8GY	Birkel, Lawrence J.	8JU	Anderson, Joseph.		
		8JX	MacCandless, Lyon H.		

## AMATEUR RADIO STATIONS—Continued.

## EIGHTH DISTRICT—Continued.

## ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
8MU	Watson, Martin L.	8PW	Weaver, Frank M.	8SU	Woodworth, Samuel.
8MV	Carson, William H.	8PY	Cook, Vernor.	8SV	Bratton, Harry B.
8MW	Follet, Louis, jr.	8PZ	Guy, Fred E.	88W	Eames, William F.
8MX	Cooke, Lovell.			88X	Vanderveken, Marix.
8MY	Fisher, Harold W.	8QA	Struchen, Raymond S.	88Y	Maynard, Reginald.
8MZ	Goodrich, Harry.	8QB	Haderer, John.	88Z	Tobin, W. A.
8NA	Waterman, Fred W.	8QC	Lucas, W. Gerald.	8TA	Burson, Johnny I.
8NB	Frederick, Paul E.	8QD	Leonhardt, Carl.	8TB	Handler, Eugene.
8NC	French, Samuel W.	8QE	Barnhart, Walter.	8TC	Wightman, E. Rus-
8ND	McCarty, Allison.	8QF	Kirchner, Charles.		sell.
8NE	Mosteller, Floyd.	8QG	Lewis, Walter E.	8TD	McMillin, Howard F.
8NF	House, Elra E.	8QH	Kelly, Edward O.	8TE	Shafer, Andrew L.
8NG	Aranson, William.	8QI	McEniry, Clifford U.	8TF	Welch, Thomas E.
8NH	Candler, Charles and Emma.	8QJ	Gould, Henry W.	8TG	Meighan, James C.
8NI	Zimmerman, Frederick C., Jr.	8QK	Corey, Harry E.	8TH	Gallo, Tony.
8NJ	Crumble, Goodwin B.	8QL	Milyo, Stephen.	8TI	Newbold, James L.
8NK	Hunt, Barton L.	8QM	Mann, Rolland.	8TJ	Rich, Martin.
8NL	Appel, Floyd.	8QN	Smith, Grant A.	8TK	Jefferys, Paul.
8NM	Koen, William L.	8QO	Powell, Ralph C.	8TL	Dowding, Sidney.
8NN	Chester, Allan.	8QP	Kampfe, Norbert J.	8TM	Weber, Walter B.
8NO	Hanson, Torvald R.	8QQ	Grostick, George E.	8TN	Fla Havnan, Harry E.
8NP	Wright, J. Warren.	8QR	McCaig, William J.	8TO	Stotter, Herbert J.
8NQ	McMunn, J. Homer.	8QS	Van Buren, Harold J.	8TP	Nealon, William A.
8NR	Hare, Paul W.	8QT	Spindler, Raymond.	8TP	Brooks, Clarence H.
8NT	Proffitt, J. B.	8QU	Hogan, James E.	8TQ	Yaeger, Henry.
8NU	Barker, Gilroy.	8QV	Potts, Charles G.	8TR	Eppley, Ervin W.
8NV	Sayles, Ralph H., jr.	8QW	Basinger, Roswell.	8TS	Slagle, Vernon T.
8NW	Hankin, John H.	8QX	Davis, Benton W.	8TT	Leach, Gardner V.
8NX	Weiser, Elmer P.	8QZ		8TU	Wallace, L. Gordon.
8NY	Brown, Fred C.	8RA	Klager, Oscar C.	8TV	Richey, Joseph L.
8NZ	Stimcox, Paul C.	8RB	Leach, J. Gardner.	8TX	Anders, Harry R.
8OA	Worbass, Raymond K.	8RC	Weil, Norman C.	8TY	Ehrhardt, Roy C.
8OB	Waldrip, Laurence H.	8RD	Burr, Roy C.	8TZ	Beasley, Ira E.
8OE	Smith, Verne E.	8RE	Weeks, Stuart R.	8UA	Foneanon, H. Knight.
8OG	Hinton, Don.	8RG	Copeland, Arthur.	8UC	Chadde, Walter F.
8OH	Harter, Raymond.	8RH	Locke, Carl M.	8UD	Brown, Kenneth W.
8OJ	Furlong, Marcie J.	8RJ	Irvine, Robert P.	8UE	Motz, Leo.
8OK	Scheib, Joseph F.	8RK	Dalrymple, Clarence.	8UF	Wing, Willis K.
8OL	Stern, Fred W.	8RL	Alexander, Frank.	8UG	Moore, Chester.
8OM	Balsley, James I.	8RN	Altman, Allen.	8UH	Wiley, Violet A.
8ON	Ilgensfritz, Lester M.	8RO	Gwinner, Frederick III.	8UI	Lester, William G.
8OO	Hummel, Richard O.	8RP	Sutherland, Arthur E., Jr.	8UJ	Boardman, Thomas H.
8OP	Reynolds, Charles L.	8RQ	Wescott, A. F.	8UK	Egan, James.
8OQ	Cross, Blakely E.	8RR	Hull, Earl C.	8UL	Mitchell Phillip.
8OR	Mason, Norman P.	8RS	Alger, Allan E.	8UM	Flehr, Paul D.
8OT	Pancost, Maurice H.	8RT	Toy, Miles N.	8UN	MacPherson, William D.
8OU	Boyer, Harry.	8RU	Posad, Edwin H.	8UO	Jones, D. Walter.
8OV	Wahl, Arthur F. and Wilburt C.	8RV	Marshall, Frank J.	8UP	Lathrope, L. Stuart.
8OW	Mitchell, Edward H.	8RW	Schmidle, Claude.	8UQ	Leary, Robert.
8OX	Dreux, Alexander J.	8RX	Ryan, Theodore W.	8UR	Hott, Loewy.
8OY	Peck, George W.	8RY	Goetz, Carl P.	8US	Hancock, H. W.
8OZ	Staud, Cyril J.	8SA	Wood, Dewey H.	8UT	Hirsch, Leo.
8PA	Miller, Arthur N.	8SB	Evans, George M.	8UU	Schmidtzt, George.
8PB	Case, Theodors J.	8SC	Marshall, Leonard.	8UV	Marshall, Ronald A.
8PC	Kersting, Ferdinand.	8SD	Johnston, Clarence N.	8UW	Gregory, P. L.
8PD	Krause, Karl A.	8SE	Vickery, William J.	8UX	Sleeman, Walter R.
8PE	Fisher, George C.	8SF	Fowler, Robert J.	8UY	Adams, Lucius O.
8PF	Malbin, Samuel.	8SG	Pesek, Myron R.	8UZ	Moore, John B.
8PJ	Ehrick, W. F.	8SH	Spotts, Ralph T.	8VA	Pearce, Henry A.
8PK	Gamble, Frederick D.	8SI	Beach, Walter R.	8VB	Trombley, Clarence E.
8PL	Eckel, John F.	8SJ	Ottme, James N.	8VC	Brown, Arthur B.
8PN	See, Chester.	8SK	Woodcock, W. D.	8VD	Riehle, J. F.
8PO	Carter, David G.	8SL	Cocklin, Gilbert W.	8VE	Siedle, William R.
8PP	Wier, Edwin.	8SM	Coleman, H. Burr.	8VF	Case, J. Gifford.
8PQ	Shaw, Eurclle L.	8SN	Glatzel, Earle D.	8VG	Chartner, Ralph R.
8PR	Stivenson, Andrew.	8SO	Preston, Menzo D.	8VH	Goggin, Nicholas L., Jr.
8PT	Hornung, Romeo W.	8SP	Reid, Thomas A.	8VI	Case, Harlow.
8PU	Jones, Winferd E.	8SQ	Clarke, John H.	8VJ	Ullmarger, Harold N.
8PV	Jackson, The C. F. Co.	8SR	Mueller, Henry C.	8VK	Willard, Charles A.
		8SS	Wurtz, Francis L.	8VL	Edick, Leonard J.
		8ST	Muhlbeizler, Louis.		

AMATEUR RADIO STATIONS—Continued.

EIGHTH DISTRICT—Continued.

ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
8VM	Wheat, Henry A., Jr.	8VZ	Burchard, William K.	8WM	Slocum, Charles.
8VN	Zornow, Harry.	8WA	Griffin, Jesse.	8WN	Yarigan, George S.
8VO	Ackerman, John T., Jr.	8WB	Herrington, Fred.	8WO	Bush, Richard A.
8VP	Ball, Alfred.	8WC	Allyn, William P.	8WP	Bidwell, Paul.
8VQ	Ziska, Alfred.	8WD	Fox, Edmund H.	8WQ	Foyzell, Robert E.
8VR	Calvert, George C.	8WE	Hickler, Walter.	8WR	Carter, David G.
8VS	Buck, E. Harold.	8WF	Judd, Max A.	8WT	Harber, Elwood F.
8VT	Weaver, Henry C.	8WG	Densmore, U. Harry.	8WU	Young, L. Clifford.
8VU	Kane, William C., Jr.	8WH	McCullough, C. Hax.	8WV	Corts, R. E.
8VV	Zeigler, Harry W.	8WI	Ollimore, Willard F.	8WV	Barnes, Orton S.
8VW	Stevens, Allen C.	8WJ	Stelzer, James G.	8WX	Rodd, Herbert C.
8VX	Fraser, William T.	8WK	Welsler, Perry W.	8WY	Hardesty, Howard P.
8VY	Caplan, Zola.	8WL	O'Leary, Hilary.	8WZ	Brown, Ralph M.

NINTH DISTRICT.

[Headquarters: Customhouse, Chicago, Ill. The ninth district comprises the States of Indiana, Illinois, Wisconsin, Michigan (Upper Peninsula), Minnesota, Kentucky, Missouri, Kansas, Colorado, Iowa, Nebraska, South Dakota, and North Dakota.]

ALPHABETICALLY BY OWNERS OF STATIONS.

Call signal.	Owner of station.	Location of station.	Power.
9CK	Abel, Wilson L.	224 South St., Waterloo, Iowa	Kw. 0.5
9NH	Abercrombie, Julius B.	2617 Faraon St., St. Joseph, Mo.	1.0
9EX	Adolfson, George S.	5229 Colorado St., Duluth, Minn.	1.0
9DI	Ahrensfeld, William H.	200 N. Prospect Ave., Park Ridge, Ill.	.5
9QD	Albach, Henry, Jr.	618 W. 4th St., Lawrence, Kans.	.5
9FC	Aldrich, Clinton P.	6405 Emerald Ave., Chicago, Ill.	.5
9ACI	Allen, George M.	435 Lane St., Topeka, Kans.	.5
9JJ	Alvested, Clarence M.	819 13th Ave., S., Minneapolis, Minn.	.6
9VU	Allman, John C.	Crown Point, Ind.	.5
9TW	Anderson, Axel V.	212 N. Florida St., Laurium, Mich.	.5
9HZ	Anderson, Ivan H.	1711 11th Ave. S., Minneapolis, Minn.	.5
9KM	Anderson, Oscar L.	11815 State St., Chicago, Ill.	.5
9MP	Anderson, Paul D.	Lamoni, Iowa.	1.0
9SN	Anderson, Virgil.	3614 Rebecca St., St. Louis, Mo.	.5
9MB	Andreas, Gerald T.	Bayfield, Wis.	.5
9OE	Andreen, Earl H.	1204 Belknap St., Superior, Wis.	.5
9HA	Andrew, Warren.	Boulder, Colo.	.5
9AJA	Argabrite, George A.	3123 W. 32d Ave., Denver, Colo.	.5
9AEP	Avery, Norman K.	307 Bigelow Ave., Peoria, Ill.	.5
9BT	Baldwin, Edward F.	623 Crawford Ave., Dixon, Ill.	.5
9RD	Bailey, Frank M.	525 Kenilworth Ct., Clinton, Iowa.	1.0
9QI	Baldwin, Harry E.	609 S. 18th St., Omaha, Nebr.	.5
9QL	Baldwin, John G.	Hope, N. Dak.	1.0
9ABR	Baker, Warren C.	38 E. Madison St., Tipton, Ind.	.5
9EM	Ball, George W.	6601 Olmsted Ave., Chicago, Ill.	1.0
9DS	Ballantyne, Fimer.	Hobart, Ind.	1.0
9AGD	Banks, Archie E.	R. F. D. No. 2, Delmar, Iowa.	.5
9AIS	Barber, Orville F.	975 W. Packard St., Decatur, Ill.	.5
9AGW	Barnett, Forrest.	2015 Western Ave., Mattoon, Ill.	.5
9EJ	Barnett, Lawrence T.	684 Greenleaf Ave., Lawrence, Ill.	.5
9WY	Barnickol, Carl R.	2317 Milwaukee Ave., Chicago, Ill.	.5
9AGP	Barrett, Paul G.	3150 Central Ave., Indianapolis, Ind.	.5
9OJ	Barry, Daniel.	310 W. Grand Ave., Springfield, Ill.	.5
9AAR	Barton, Harold D.	20 W. 26th St., Indianapolis, Ind.	.5
9ADL	Bates, Clarence.	2015 Wells St., Milwaukee, Wis.	1.0
9VY	Bauer, George D.	2133 Weisser Park Ave., Fort Wayne, Ind.	1.0
9HR	Baulch, Ernest L.	509 Eddings St., Fulton, Ky.	.5
9JE	Baumer, Harry W.	5036 Kenmore Ave., Chicago, Ill.	1.0
9AGX	Bean, Mason.	521 E. High St., Jefferson City, Mo.	.5
9DJ	Beasley, William A.	1517 Western Ave., Topeka, Kans.	.5
9AFW	Bechtold, Joe and Fred V.	North Manchester, Ind.	.5
9AGS	Becker, Paul M.	4427 Greenwood Ave., Chicago, Ill.	.5
9CL	Beech, Guy L.	Clarinda, Iowa.	.5
9VI	Beesley, Bernard J.	147 Montezuma St., Houghton, Mich.	.5
9CQ	Behmer, William.	1335 S. Kolin Ave., Chicago, Ill.	.5

AMATEUR RADIO STATIONS—Continued.

NINTH DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
9QT	Belghley, Emmet R.	107 N. 13th St., Fargo, N. Dak.	<i>Kw.</i> .5
9UX	Bell, Fayett	410 S. 7th St., Oskaloosa, Iowa	.5
9ML	Bement, David L.	910 S. 7th St., Goshen, Ind.	1.0
9KB	Bennett, Harold	Charinda, Iowa	.5
9VB	Bennett, Herbert P.	4202 N. Winchester Ave., Chicago, Ill.	1.0
9VP	Benson, Lester A.	2706 Stoddard St., St. Louis, Mo.	.5
9FG	Bergherm, Worth D.	517 N. 3d St., Fargo, N. Dak.	1.0
9HE	Bergvall, Royal C. and Wesley E.	Stephenson, Wis.	.5
9WL	Bierbach, Werner	655 S. Delaware Ave., Milwaukee, Wis.	.5
9VD	Bitner, Robert E.	519 E. Lewis St., Fort Wayne, Ind.	.5
9WQ	Black, Harry N.	Independence, Iowa	.5
9JY	Black, Max I.	830 W. 3d Ave., Mitchell, S. Dak.	.5
9AEH	Blake, Charles R.	5821 Page Ave., St. Louis, Mo.	.5
9AAU	Blasier, Herbert, jr.	Williamsburg, Iowa	1.0
9DH	Blatterman, Headlee	6172 Westminister Pl., St. Louis, Mo.	.5
9AIC	Bliss, Sidney H.	120 Jackman St., Janesville, Wis.	.5
9UQ	Blood, Lester C.	11165 Esmond St., Morgan Park, Ill.	.5
9WZ	Blue River Power Co.	Crete, Nebr.	1.0
9AFT	Blum, Sidney J.	4105 Campbell St., Kansas City, Mo.	1.0
9VK	Boardman, Horaco C. and Clarence E.	372 Park St., Kenosha, Wis.	.5
9HH	Bohac, Leonard	402 W. 1st Ave., Cedar Rapids, Iowa	1.0
9RC	Bohnstengel, George	Thornton, Ill.	1.0
9PF	Bolin, Ray E.	5505 Bartmer Ave., St. Louis, Mo.	.5
9SZ	Bonney, Harold H.	Louisville, Ill.	.5
9TM	Bonson, George W.	287 East St., Dubuque, Iowa	1.0
9AGA	Bornowska, Clarence and Elmer	1322 Lincoln St., Racine, Wis.	.5
9NJ	Brabender, Carl W.	907 Linwood Ave., Evansville, Ind.	1.0
9CT	Brailsford, Harry D.	323 W. Broadway, Louisville, Ky.	.5
9ET	Bramhall, William	234 Mayfield Ave., Chicago, Ill.	.5
9WE	Brandt, Erwin H.	2314 Vliet St., Milwaukee, Wis.	.5
9EA	Brattland, Armond D.	Ada, Minn.	1.0
9CP	Brauch, Nicholas	515 Court St., Le Mars, Iowa	1.0
9SA	Brennan, Joseph D.	501 Alpine St., Dubuque, Iowa	1.0
9AEN	Brewster, Vernon H.	Crystal Lake, Ill.	.5
9AGU	Briscoe, Bertram O.	848 La Salle St., Chicago, Ill.	.5
9EJ	Briggs, Walter C.	4525 Dupont Ave. S., Minneapolis, Minn.	.5
9FQ	Brightam, Neal D.	330 N. Rural St., Indianapolis, Ind.	.5
9AGN	Brittin, Frank L.	1149 W. Edwards St., Springfield, Ill.	.5
9QH	Brockschmidt, Wesley F.	173 Foote Ave., Bellevue, Ky.	.5
9AGY	Brodnax, Lewis M.	3526 Walnut St., Kansas City, Mo.	.5
9LD	Brooks, Ralph	27 156th Pl., West Hammond, Ill.	.5
9SD	Broughton, William G.	213 S. Court St., Crown Point, Ind.	1.0
9BU	Brown, Clarence L.	1022 E. Tabor St., Indianapolis, Ind.	.5
9AAI	Bruestle, Walter F., jr.	22 Sterett Ave., Covington, Ky.	.5
9AHU	Buck, Donald N.	5332 Kenmore Ave., Chicago, Ill.	.5
9NP	Buckley, Harold J.	1206 Wrightwood Ave., Chicago, Ill.	.5
9ADO	Bullock, Merlin and Gerald	3600 Gladstone Blvd., Kansas City, Mo.	.5
9QG	Bundy, Howard E.	1007 S. Gallatin St., Marion, Ohio	.5
9ABE	Button, Bert A.	2850 R St., Lincoln, Nebr.	1.0
9HI	Burnnell, George M.	Monroeville, Ind.	.5
9SH	Burdick, Roy E.	44 Lake Geneva Rd., Salem, Wis.	.5
9KN	Burg, Harold E.	865 S. Maffit St., Decatur, Ill.	1.0
9ED	Burgess, Charles M.	Geneva, Ill.	.5
9WR	Burghardt, R. Douglas	5023 N. 24th St., Omaha, Nebr.	.5
9KU	Burgy, Charles A., jr.	693 Willow St., Winnetka, Ill.	.5
9RW	Burnop, Harold	1945 N. 7th St., Sheboygan, Wis.	1.0
9UW	Burkart, Louis J., jr.	335 W. 9th St., Newport, Ky.	.5
9IQ	Burr, Ralph H.	2029 5th St., Boulder, Colo.	.5
9AFS	Busey, Paul G.	911 W. Nevada St., Urbana, Ill.	1.0
9AAG	Butler, Leonard	Wheaton, Ill.	.5
9NW	Caldwell, Kenneth R.	623 W. William St., Decatur, Ill.	.5
9AHW	Call, George R.	1529 Pearl St., Sioux City, Iowa	1.0
9AIA	Campbell, Albert	4243 W. Congress St., Chicago, Ill.	.5
9AGF	Canary, Elmer B.	810 E. North St., Indianapolis, Ind.	.5
9AAC	Carlisle, Lloyd	716 N. Broadway, Crookston, Minn.	1.0
9QW	Carnes, Theodore J.	1116 N. Capitol Ave., Indianapolis, Ind.	1.0
9LR	Carroll, William H.	6334 McPherson Ave., St. Louis, Mo.	1.0
9WR	Carter, David G.	Grosse Pointe, Mich.	.5
9PC	Carter, George W.	High School Bldg., Fort Wayne, Ind.	1.0
9WF	Carter, George W.	804 Kinnaird Ave., Fort Wayne, Ind.	.5
9GA	Case, Henry W.	Wheeler, Ill.	.5
9LC	Casey, John G.	4945 Forrestville Ave., Chicago, Ill.	.5
9PD	Cassaday, Cecil E.	3038 Brooklyn St., Kansas City, Mo.	1.0



## AMATEUR RADIO STATIONS—Continued.

## NINTH DISTRICT—Continued.

## ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. Kw.
9NT	Chapman, Richard C.	1332 K St., Lincoln, Nebr.	0.5
9UL	Cheyne, Thomas L.	526 West Drive, Indianapolis, Ind.	.5
9OB	Church, Archibald, jr.	4854 Dorchester Ave., Chicago, Ill.	.5
9ADY	Clapp, Newell	Ellsworth, Wis.	1.0
9DP	Clark, Bayard H.	205 Augusta Ave., De Kalb, Ill.	1.0
9ADH	Clark, Donald L.	3240 Alcott St., Denver, Colo.	.5
9VM	Clark, Marion E.	Indianapolis, Ind.	1.0
9AFU	Clayton, Harold H.	R. F. D. No. 5, Monroeville, Ind.	.5
9NU	Clayton, Homer E.	680 Arch St., Indianapolis, Ind.	1.0
9GA	Cleaveland, Leroy A.	374 Farwell Ave., Milwaukee, Wis.	1.0
9WA	Coats, Roscoe J.	820-824 S. Clinton, Fort Wayne, Ind.	.5
9KG	Cornish, Clarence F.	1138 Packard Ave., Fort Wayne, Ind.	.5
9AAM	Clough, Kendall	2215 S. Royce St., Sioux City, Iowa.	.5
9CN	Cobb, Merlo A.	Geneva, Wis.	.5
9AEV	Coffman, Scott	61 N. Gale St., Indianapolis, Ind.	1.0
9IF	Cole, Jirah D., jr.	810 Vernon Ave., Glencoe, Ill.	.5
9AN	Cole, Jirah D., jr.	Community House, Lincoln St., Winnetka, Ill.	.5
9GV	Coles, James A.	2637 12th Ave., Minneapolis, Minn.	.5
9AIJ	Cook, George S.	Winnetka, Ill. See Cole, Jirah D., jr. (9AN).	1.0
95C	Cooper, Charles H.	1932 Pennsylvania Ave., S., Minneapolis, Minn.	1.0
9NO	Coquilette, Glenn E.	2126 Elliott St., Indianapolis, Ind.	1.0
9ABD	Corwin, Willis	117 Hutchins St., Woodstock, Ill.	.5
9AGG	Cottrel, Gorham J.	117 E. McCarty St., Jefferson City, Mo.	.5
9UI	Cottrell, Hale T.	1628 Jersey St., Quincy, Ill.	.5
9NF	Cottrell, William R.	1229 St. Ann St., Owensboro, Ky.	1.0
9OQ	Coultas, Charles	Prairie City, Iowa.	1.0
9ABA	Crabb, Thomas G.	950 Beach Ave., St. Louis, Mo.	.5
9BI	Craig, Richard A.	5906 Cater Ave., St. Louis, Mo.	1.0
9NG	Cramer, Wilbur R.	1807 N. Meridian St., Indianapolis, Ind.	.5
9HL	Crawford, Robert N., jr.	5130 S. 40th St., Omaha, Nebr.	.5
9TE	Cronk, Seymour II.	3829 Vincennes Ave., Chicago, Ill.	1.0
9HN	Crowdus, James A.	Stafford, Kans.	.5
9RX	Cummings, Murney	5047 Washington Ave., St. Louis, Mo.	.5
9ACN	Curry, Wilfred N.	258 S. W. Main St., Kenosha, Wis.	.5
9GN	Curtis, Charles D.	Sweet Springs, Mo.	.5
9AIV	Curtis, David S., jr.	Pembina, N. Dak.	1.0
9TO	Cyr, Darrell J.	2100 Elisha Ave., Zion City, Ill.	.5
9SF	Daugherty, Hugh D.	109 W. 2d St., Sioux City, Iowa.	.5
9FS	Davidson, James	2335 Bellfontaine St., Indianapolis, Ind.	.5
9AZ	Davidson, James	St. Louis, Mo. See under "T" The David Ranken, Jr., School of Mechanical Trades.	.5
9HM	Davis, Donald W.	509 Clarke St., Whiting, Ind.	.5
9AGQ	Davis, Herbert	6636 Normal Blvd., Chicago, Ill.	.5
9EZ	Davis, Richard M.	21 E. Caramillo Ave., Colorado Springs, Colo.	1.0
9KZ	Davis, William R.	6141 S. Kilbourne Ave., Chicago, Ill.	1.0
9AIY	Davis, Winfield	1065 Yuma St., Denver, Colo.	1.0
95O	Day, Harold E.	1409 W. Edwards St., Springfield, Ill.	.5
9NN	Deaf, Harmon B.	908 W. Stoughton St., Urbana, Ill.	.5
9EG	Dean, Carl W.	209 Gray St., Indianapolis, Ind.	.5
9RH	Debus, George W.	6 S. Fountain St., Cape Girardeau, Mo.	1.0
9ACT	Degner, Le Roy	3115 N. Capitol Ave., Indianapolis, Ind.	1.0
9DX	Deich, Dayton P.	1910 Sunnyside Ave., Chicago, Ill.	1.0
9OW	Del-Vecchio, Earl	394 24th Ave., Milwaukee, Wis.	1.0
9ABN	Deming, Herschel	Limon, Colo.	.5
9IW	Dennis, Eben R.	3810 Alta Vista Ter., Chicago, Ill.	.5
9FG	Dickson, Ward	1515 Barth Ave., Indianapolis, Ind.	.5
9UD	Diehl, Grant, jr.	Hutchinson, Minn.	1.0
9MS	Dier, Stephen	Carrollton, Ill.	.5
9VS	Diffenderfer, Davis A.	699 27th St., Milwaukee, Wis.	1.0
90A	Dille, Joseph	1305 Court St., Le Mars, Iowa.	.5
9ACA	Doerfler, Hilary	2109 S. Harrison St., Fort Wayne, Ind.	1.0
9AIW	Doole, Howard	1067 Ainslee St., Chicago, Ill.	1.0
9AIK	Drummond, Ralph	Collegeville, Minn.	.5
9ACG	Duncan, Wilbur H.	Adams, Nebr.	.5
9FE	Dunklau, George P.	Oglesby, Ill.	.5
9AAP	Dunlap, Carroll M.	1139 W. Wood St., Decatur, Ill.	.5
9BC	Dunlap, Carroll M.	4016 Congress St., Chicago, Ill.	.5
9AAO	Ebert, Arthur	High School, Manchester, Iowa.	.5
9AEI	Ebner, Emil E., jr.	Manchester, Iowa.	1.0
9DD	Ederer, Lothar A.	3220 Potomac Ave., Chicago, Ill.	.5
9UZ	Edwards, Austin N.	603 N. 10th St., Atchison, Kans.	.5
9AEZ	Egloff, Edward and Martin	6317 Kenmore Ave., Chicago, Ill.	1.0
9LV	Ehling, Fritz M.	99 E. 4th St., Covington, Ky.	.5
9PM	Eiek, Ferdinand	2729 W. Barry Ave., Chicago, Ill.	1.0
9VR	Eilers, Werner	1438 E. 11th St., Indianapolis, Ind.	.5
		1818 19th St., Superior, Wis.	1.0
		Gillespie, Ill.	1.0

AMATEUR RADIO STATIONS—Continued.

NINTH DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			<i>Kw.</i>
9TD	Eisele, Edward J.	1324 Rutledge St., Madison, Wis.	1.0
9DU	Elliot, Bryon K.	1733 N. Meridian St., Indianapolis, Ind.	1.0
9BA	Elmore, Virtus It.	615 N. Madison St., Marion, Ill.	1.0
9AGZ	Engel, Roman.	664 48th St., Milwaukee, Wis.	.5
9AIQ	Englund, Lawrence.	1623 24th Ave., Moline, Ill.	.5
9UM	Erickson, Edward H.	627 W. Superior St., Fort Wayne, Ind.	.5
9ADC	Erickson, Einer A.	225 Lafayette Ave., Racine, Wis.	.5
9JB	Erlkson, Eben W.	1108 Elm St., Minnetka, Ill.	.5
9VO	Estling, David A.	1619 S. 9th St., Minneapolis, Minn.	.5
9MZ	Evens, Walter C.	6632 Kimbark Ave., Chicago, Ill.	1.0
9CF	Eyth, Hector G.	2325 Arapahoe St., Denver, Colo.	.5
9DC	Fahrney, Clarence H.	Polo, Ill.	.5
9AIF	Fawcett, Lester S.	206 3d Ave., S. W., Independence, Iowa.	1.0
9FP	Fawkes, Charles E.	503 Hill St., Dubuque, Iowa.	.5
9ABT	Fedder, Herman	1440 W. High St., Davenport, Iowa.	1.0
9UE	Fels, Thomas W.	2105 John St., Fort Wayne, Ind.	1.0
9AGH	Fenner, Zell G.	23 E. Washington St., Colfax, Iowa.	1.0
9WN	Ferdinand, Harry F.	1315 School St., Rockford, Ill.	.5
9AIN	Ferguson, William B.	108 N. 17th St., Richmond, Ind.	.5
9AIO	Ferre, Frank H.	434 E. 9th St., Altam, Ill.	.5
9AOV	Fiedler, Herbert W.	1142 Diversey Parkway, Chicago, Ill.	.5
9BT	Finchout, Fred.	1310 E. New York St., Indianapolis, Ind.	1.0
9IQ	Finlay, William J.	525 Oakwood Ave., Webster Groves, Mo.	1.0
9OM	Finley, Cyrus P.	338 3d Ave., W., Cedar Rapids, Iowa.	.5
9EN	Fisher, Ralph D.	918 S. 7th St., Fargo, N. Dak.	1.0
9RI	Flesvig, Henry	743 W. 26th St., Chicago, Ill.	.5
9BN	Flynn, John H., Jr.	228 E. 5th St., Newport, Ky.	1.0
9KB	Forbes, Henry C.	3532 11th Ave., S., Minneapolis, Minn.	.5
9PK	Foster, Edwin J.	925 Winchester St., Milwaukee, Wis.	1.0
9TF	Fox, Laurence C.	231 Lincoln Ave., Crookston, Minn.	1.0
9AIW	Francis, Lyle.	Adams, Nebr.	.5
9ACR	Frank, George.	1727 W. 2d St., Davenport, Iowa.	.5
9ADA	Franklin, Maurice W.	Sewar, Nebr.	1.0
9EU	Frech, Lester.	356 E. Sutterfield St., Fort Wayne, Ind.	.5
9EK	French, Newell F.	1722 Maple St., Racine, Wis.	1.0
9ABS	Frenzel, Oscar F., Jr.	1338 N. New Jersey St., Indianapolis, Ind.	.5
9DL	Friend, Earle M.	4815 Vincennes Ave., Chicago, Ill.	.5
9OY	Fritz, Jack A. S.	2211 Salisbury St., St. Louis, Mo.	.5
9TG	Fritz, Lester.	743 Lawndale Ave., South Bend, Ind.	1.0
9AIX	Gabbert, Oscar F., Jr.	911 Kentucky St., Michigan City, Ind.	.5
9OX	Gablin, John K.	2132 Broadway, Indianapolis, Ind.	.5
9AGE	Gamble, Glen A.	4329 Brudette St., Omaha, Nebr.	1.0
9SW	Gammon, Frank E.	811 18th St., Ashland, Ky.	1.0
9AES	Garret, Hallie C.	810 E. 40th St., Kansas City, Mo.	1.0
9WO	Garret, Sherman S.	504 W. Washington St., Champaign, Ill.	1.0
9AEB	Garver, Norman D.	210 4th Ave., Peoria, Ill.	.5
9NV	Gates, Arthur R.	613 Arsenal St., St. Louis, Mo.	.5
9AHA	Gates, George B.	942 Superior St., Racine, Wis.	.5
9VN	Geiger, Hans F.	3151 Graceland Ave., Indianapolis, Ind.	1.0
9OK	Gerkey, Lewis K.	403 Lexington St., Independence, Mo.	.5
9MK	Giddings, Edward H.	Lanark, Ill.	.5
9WD	Giese, Raymond C.	New London, Iowa.	1.0
9IU	Gisseler, Herman	2828 Fletcher St., Chicago, Ill.	.5
9IN	Glasgow, Roy S.	2966 Arsenal St., St. Louis, Mo.	1.0
9AHT	Glavin, Roland E.	748 Lawndale Ave., South Bend, Ind.	1.0
9NM	Glavin, Roland E.	High School, South Bend, Ind.	.5
9HT	Gleichman, Walter C.	2006 Fulton Ave., Evansville, Ind.	.5
9BZ	Goddard, C.	Shawnee, Kans.	.5
9ACS	Gooch, Bertram	703 Marion St., Boone, Iowa.	1.0
9TS	Goodnetter, Elmore F.	1500 Grand Ave., Racine, Wis.	.5
9AS	Goodnow, Frank F.	310 Van Buren St., Joliet, Ill.	1.0
9KF	Goorisich, John A.	2316 Clybourn St., Chicago, Ill.	.5
9PS	Gosha, Donald.	Blooming Prairie, Minn.	.5
9RP	Graf, Rudolph.	1061 Mulberry St., Rockford, Ill.	1.0
9VL	Grafe, Harold.	2825 Irving Pk. Blvd., Chicago, Ill.	.5
9MQ	Graham, Albert L.	3033 Park Ave., Kansas City, Mo.	1.0
9FT	Graves, G. G.	117 South St., Woodstock, Ill.	1.0
9UK	Graybill, Donald R.	Polo, Ind.	1.0
9LY	Greanleaf, Sydine A.	708 Clay St., Woodstock, Ill.	.5
9IC	Greene, Clark W.	1113 Park Row, Lake Geneva, Wis.	.5
9ACD	Greene, John.	Prairie du Chien, Wis.	.5
9PQ	Greenleaf, Burton B.	34 Walnut St., Savanna, Ill.	.5
9ADB	Greenwood, George W., Jr.	1321 Western Ave., Topeka, Kans.	.5
9JX	Griffiths, Robert E.	4704 Fulton St., Chicago, Ill.	.5
9TQ	Griggs, Fred W.	441 Tacoma Ave., Indianapolis, Ind.	.5
9AB	Grosskopf, William L.	4816 W. Berteau Ave., Chicago, Ill.	.5
9VX	Grossman, Eugene F.	Delmar, Iowa.	1.0

## AMATEUR RADIO STATIONS—Continued.

## NINTH DISTRICT—Continued.

## ALPHABETICALLY BY OWNERS OF STATIONS—Continued

Call signal.	Owner of station.	Location of station.	Power. <i>Kw.</i>
9CH	Grosscup, Harry W	3746 Giddings St., Chicago, Ill.	0.5
9AGO	Groth, William A	1534 W. Locust St., Davenport, Iowa	.5
9TU	Gruda, Edgar	329 25th Ave., Milwaukee, Wis.	.5
9AJE	Gunderson, Clarence	1006 St. John St., Albert Lea, Minn.	.5
9PX	Gustafson, C. Hjalmar	630 Wallis Ave., Rockford, Ill.	1.0
9JO	Gustafson, Gerald	214 Crawford St., Boone, Iowa	.5
9RM	Guthrie, Edwin P.	2352 Bellefontaine St., Indianapolis, Ind.	.5
9HF	Hadley, J.	216 Kedzie St., Evanston, Ill.	1.0
9DF	Hagedorn, Gilbert H.	357 N. Pleasant St., Kenosha, Wis.	.5
9ACU	Hageman, Edwin S.	Ellsworth, Wis.	.5
9MY	Haines, Thorvald L.	842 Main St., Racine, Wis.	.5
9AEU	Haitz, Fred, jr.	3901 Fourth Ave., Sioux City, Iowa	.5
9AEO	Hall, Alfred H.	4015 Alcott St., Denver, Colo.	1.0
9CF	Hall, Harlan R.	23 Merriam Pl., St. Paul, Minn.	.5
9AV	Hamel, Walter H.	1006 S. 14th St., Lafayette, Ind.	.5
9UT	Hamilton, Leo L.	207 Front St., Harvard, Ill.	1.0
9TJ	Hancock, George T.	R. F. D. No. 1, Fairfield, Nebr.	1.0
9PB	Hancock, Lelverne	1209 13th St., Superior, Wis.	.5
9CE	Hansen, Leland H.	1123 Herrick Ave., Racine, Wis.	.5
9AHE	Harlin, Paige J.	3704 S. Bryant Ave., Minneapolis, Minn.	.5
9RF	Harmegnies, Paul E.	730 Wisconsin Ave., Oak Park, Ill.	.5
9AAY	Harris, Frank M., Jr.	920 N. Harrison St., Topeka, Kans.	.5
9AFO	Harris, Harvey P.	920 Burns St., Alton, Ill.	.5
9IZ	Harris, Ralph G.	Gilman, Ill.	.5
9LK	Harrison, Major P., jr.	118 E. Pratt St., Indianapolis, Ind.	1.0
9CT	Harry, Charles	Quincy and Douglas Sts., Houghton, Mich.	1.0
9ADT	Hartmann, Gilbert and Martin.	210 State St., Wauwatosa, Wis.	.5
9KY	Hartwell, Eugene H.	R. F. D. No. 28, Sale, Wis.	.5
9FL	Hauck, George	218 Chestnut St., Newport, Ky.	1.0
9UV	Hayes, James E. S.	220 W. 4th St., Duluth, Minn.	.5
9CX	Haynes, Roy	6839 S. May St., Chicago, Ill.	1.0
9DY	Healy, Kent T.	819 Willow St., Winnetka, Ill.	.5
9BF	Heck, Lawrence F.	1239 Center St., Racine, Wis.	.5
9FR	Heckenkamp, Emile B.	300 E St., Belleville, Ill.	1.0
9ADQ	Hect, Royal H.	1523 Estes Ave., Chicago, Ill.	1.0
9UO	Hege, Adolph	Hatton, N. Dak.	.5
9CR	Heise, Paul A.	841 Wilson Ave., Chicago, Ill.	1.0
9CW	Heise, Elmer B.	5134 Franklin St., Michigan City, Ind.	.5
9LI	Heiser, Walter C.	35 E. 33d St., Indianapolis, Ind.	.5
9IL	Hellwig, Emil C.	1729 Sunnyside Ave., Burlington, Iowa	.5
9KL	Helms, Elvin E.	Petersburg, Ky.	.5
9KK	Hendricks, George H.	1410 Barth Ave., Indianapolis, Ind.	1.0
9IO	Henry, Albert L.	Bennington, Kans.	1.0
9AGG	Herrling, Raymond C.	856 Prospect St., Elgin, Ill.	.5
9EL	Herrmann, Louis G.	1330 Anthony Blvd., Fort Wayne, Ind.	.5
9EQ	Hesly, Daniel	1244 Carmon Ave., Chicago, Ill.	.5
9MU	Hess, Merriman	832 Forest Ave., Wilmette, Ill.	.5
9ADW	Hicks, Verner	306 E. Marion, Ill.	1.0
9DG	Hilgenberg, Noble C.	1428 Park Ave., Indianapolis, Ind.	.5
9VW	Hoffman, Erich A.	819 Laramie St., Atchison, Kans.	1.0
9SR	Hogan, Lee	458 11th Ave., Milwaukee, Wis.	.5
9BP	Holcombe, Ray E.	22 Dayton St., Madison, Wis.	.5
9EH	Hollister, Harold A.	370 18th Ave., Milwaukee, Wis.	.5
9OI	Holte, Harold O.	220 Broadway, Crookston, Minn.	1.0
9ABI	Honecker, Walter	3106 Graceland Ave., Indianapolis, Ind.	.5
9QE	Hopkins, Stanley W.	520 Greenleaf Ave., Glencoe, Ill.	.5
9QJ	Hood, Kuper, jr.	206 Sterrett Ave., Covington, Ky.	1.0
9JG	Hood, Norman R.	1108 Franklin St., Burlington, Iowa	.5
9QS	Hood, Thomas	124 E. 32d St., Indianapolis, Ind.	1.0
9AEJ	Rornbeck, Holton	150 E. Green St., Decatur, Ill.	.5
9AIL	Howard, Charles B.	1712 E. Jackson St., Springfield, Ill.	.5
9LW	Howard, Clyde M.	Buffalo, Ill.	1.0
9AFE	Howard, John C.	311 S. State St., Champaign, Ill.	1.0
9VG	Howard, L. Hardeman	112 West St., Fulton, Ky.	.5
9PT	Howland, H. N.	Stony Isl. Ave. and 62d St., Chicago, Ill.	1.0
9IA	Huckett, Edwin W.	402 N. Oakley St., Kansas City, Mo.	.5
9AET	Huff, Fred W.	4323 Tracy Ave., Kansas City, Mo.	1.0
9MO	Huffman, Verne A.	218 Jackson St., Polo, Ill.	.5
9RV	Huffman, Charles	131 W. Calendar Ave., La Grange, Ill.	.5
9AIP	Iunt, Clayton S.	R. F. D. No. 2, Urbana, Ill.	.5
9ADG	Hughes, Arthur S.	7390 Maple Ave., Maplewood, Mo.	1.0
9MV	Hughes, James C.	418 Taylor St., Topeka, Kans.	1.0
9MJ	Hussner, Helm C.	968 Drew St., Appleton, Wis.	1.0
9PT	Hyde Park High School Radio Club,	Stony Isl. Ave. and 62d St., Chicago, Ill.	1.0

AMATEUR RADIO STATIONS—Continued.

NINTH DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. <i>Kw.</i>
9GZ	Thl. G. Sheridan	3834 N. 25th St., St. Louis, Mo.	0.5
9DA	Irvin, John A.	Cannelton, Ind.	1.0
9AU	Iversen, Reginald J.	422 S. 16th Ave., Maywood, Ill.	1.0
9NY	Ivy, John S.	Cape Girardeau, Mo.	.5
9ADF	Jarboe, Owen	109 Locust St., Carrollton, Ill.	1.0
9AFA	Jaroszewicz, Casimir	1330 W. 50th St., Chicago, Ill.	.5
9ACM	Jeffrey, Albert E.	High School, Goshen, Ind.	1.0
9DE	Jensen, Arnold N.	336 High School Ave., Council Bluffs, Iowa	.5
9TK	Jensen, Louis T.	1217 Center St., Racine, Wis.	1.0
9QR	Jewett, Gerald A.	2105 High St., Des Moines, Iowa	.5
9AL	Johnson, Arthur F.	2706 Mersington Ave., Kansas City, Mo.	1.0
9CI	Johnson, August R.	Houghton, Mich.	.5
9OC	Johnson, Lorin F.	R. F. D. No. 7, Columbia, Mo.	.5
9QU	Johnson, Paul E.	2800 E. 26th St., Minneapolis, Minn.	.5
9CG	Johnson, Ralph J.	628 Marion Ave., Indianapolis, Ind.	.5
9CV	Johnston, Roderick E.	Boulder, Colo.	.5
9AIK	Jordan, Jacob	Jefferson High School, Lafayette, Ind.	1.0
9BS	Jorgenson, Harold	941 Herrick Ave., Racine, Wis.	.5
9JD	Jorgenson, O. B.	1819 Hughitt Ave., Superior, Wis.	.5
9KO	Joseph, Jarold S.	465 Park Ave., Council Bluffs, Iowa	.5
9ADV	Joslin, Murray	Independence, Iowa	1.0
9AK	Jumisko, Harold W.	241 Wolverine St., Laurium, Mich.	.5
9DR	Juvenal, James B.	345 Washington Blvd., Kansas City, Kans.	.5
9WC	Kannenstine, Fabian M.	3400 Morgan St., St. Louis, Mo.	1.0
9AJG	Kansler, Victor H.	445 3d St., Reedsburg, Wis.	.5
9AI	Kaufmann, Elmer	928 Wright St., Milwaukee, Wis.	.5
9BD	Keeler, Fayette W.	634 W. 4th St., Superior, Wis.	1.0
9LF	Keenan, Charles J.	6425 Parnell Ave., Chicago, Ill.	.5
9QB	Kees, Rossman W.	1742 N. Park Ave., Chicago, Ill.	.5
9HY	Keffer, Allen W.	Ashland, Ky.	.5
9ADE	Keller, Carl E.	Kinsley, Kans.	.5
9JL	Keller, Stanley L.	602 25th St., Kearney, Nebr.	1.0
9WI	Kelley, Eugene V.	1311 W. Maple Ave., Independence, Mo.	.5
9WT	Kelley, Edward L.	551 Parkside Ave., Chicago, Ill.	.5
9AAT	Kenyon, Vernon N.	Dunwoody School, Minneapolis, Minn.	1.0
9GY	Kern, L. Armstrong	3208 Western Ave., Mattoon, Ill.	1.0
9HC	Kerney, Iden M.	725 6th Ave., Council Bluffs, Iowa	.5
9AH	Kihlstrom, Harry C.	7348 Lafayette Ave., Chicago, Ill.	.5
9ME	Kimmel, Maurice E.	203 E. South St., DuQuoin, Ill.	1.0
9ABM	Kingsland, J. Roy	2328 Clarence Ave., St. Louis, Mo.	.5
9AP	Kingsley, Raymond C.	1445 W. State St., Rockford, Ill.	.5
9HG	Kistner, Joseph	222 E. Southgate St., Newport, Ky.	.5
9CM	Klicpera, Milhart F.	1705 Douglas Ave., Racine, Wis.	.5
9RB	Kluge, Arno A.	Ravenna, Nebr.	.5
9AGM	Knodle, Almon B.	1942 Talbot Ave., Indianapolis, Ind.	.5
9LU	Knouf, Ralph	1344 21st St., Des Moines, Iowa	.5
9AAK	Knowles, Ivar A.	523 Merchant St., Effingham, Ill.	.5
9IB	Koch, Emerson L.	3032 E. Michigan St., Indianapolis, Ind.	.5
9UG	Koenig, William, jr.	3141 Osage St., St. Louis, Mo.	.5
9OD	Kohl, William	606 St. Clair Ave., Sheboygan, Wis.	.5
9SG	Komm, Paul M.	1116 Wolfram St., Chicago, Ill.	1.0
9PA	Korthals, Albert	1607 N. 13th St., Sheboygan, Wis.	.5
9HO	Kossow, Erwin	760 32d St., Milwaukee, Wis.	.5
9WX	Kramer, Andrew W.	7724 Lowe Ave., Chicago, Ill.	1.0
9KE	Kranzfelder, Leonard J.	Bayfield, Wis.	1.0
9TC	Krause, Charles H.	4419 Forest Park Blvd., St. Louis, Mo.	.5
9NI	Krug, Eugene C.	2249 St. Louis Ave., St. Louis, Mo.	.5
9AFD	Krus, Carl	4652 N. Hermitage Ave., Chicago, Ill.	.5
9LQ	Kruse, Schiller	1538 Kentucky St., Lawrence, Kans.	.5
9AJI	Kuhl, S. Harris	2508 N. Spaulding Ave., Chicago, Ill.	.5
9FU	La Duke, Earl R.	1100 S. Josephine St., Denver, Colo.	1.0
9PR	Laidlaw, Robert F.	5217 Glenwood Ave., Chicago, Ill.	1.0
9TZ	Lamb, Rea M.	119 Milwaukee Ave., Kenosha, Wis.	.5
9AEC	Landon, Edward B.	3860 Oceola St., Denver, Colo.	.5
9PG	Langen, George R.	517 N. 3d St., Fargo, N. Dak.	1.0
9KT	La Plant, G. L.	St. Anthony, Iowa	1.0
9AED	Larsen, Clifford N.	504 Spring St., Elgin, Ill.	.5
9QA	Larson, Lee H.	2020 Telegraph Rd., Davenport, Iowa	.5
9TX	La Rue, Harold	633 Park Ave. W., Waterloo, Iowa	.5
9PV	Laube, Herbert L.	315 Grace St., Dubuque, Iowa	.5
9LN	Laughlin, Dale	2225 Douglass St., Sioux City, Iowa	.5
9GJ	Lavender, Edwin N.	7363 Maple Blvd., Maplewood, Mo.	1.0
	Lawrence High School. See Riggs, H. C.	Lawrence, Kans.	
9VT	Lawrence, Harley C.	Ferryville, Wis.	.5

## AMATEUR RADIO STATIONS—Continued.

## NINTH DISTRICT—Continued.

## ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. Kw.
9FD	Lawson, Parrvyn R.	838 Eugene St., Indianapolis, Ind.	0.5
9LX	Leberman, Palmer K.	Upper Falls Rd., Sheboygan, Wis.	.5
9EC	Lebo, Robert B.	1306 Main St., Richmond, Ind.	1.0
9KC	Lee, David R.	933 Galt Ave., Chicago, Ill.	1.0
9NQ	Leininger, Clarence W.	2119 N. Tripp Ave., Chicago, Ill.	.5
9RO	Lethen, Edward.	4312 Greenvew Ave., Chicago, Ill.	.5
9ADM	Le Vine, George L.	801 W. 7th St., Des Moines, Iowa.	.5
9AAQ	Lewis, Hubert.	5100 Easton Ave., St. Louis, Mo.	1.0
9JC	Lewis, W. Turnor, jr.	1500 Main St., Racine, Wis.	.5
9AII	Lipe, Corodon C.	1243 W. Wood St., Decatur, Ill.	.5
9AO	Lipman, Theodore E. I.	136 W. Grand Ave., Beloit, Wis.	1.0
9LE	Lisle, Waldo E.	6612 Lowe Ave., Chicago, Ill.	.5
9TH	Liston, Earl.	774 S. Grant St., Denver, Colo.	.5
9VE	Littmann, Edwin R.	5038 Maple Ave., St. Louis, Mo.	.5
9IJ	Lloyd, Norman W.	2658 W. 39th Pl., Chicago, Ill.	1.0
9GK	Lobas, John W.	635 31st St., Milwaukee, Wis.	1.0
9DV	Locher, Leo.	Monticello, Iowa.	1.0
9QF	Lockwood, Charles E.	1323 W. 7th St., Waterloo, Iowa.	1.0
9AID	Lockhart, Ashton.	Casselton, N. Dak.	.5
9IN	Locke, Melvin W.	Independence, Iowa.	1.0
9AX	Loosen, Irving R.	2609 Olive St., Kansas City, Mo.	1.0
9UC	Loveless, Harry L.	137 Griffin Ave., Somerset, Ky.	1.0
9SI	Lowe, Meredith B.	2347 N. Delaware St., Indianapolis, Ind.	1.0
9BX	Lutz, Clarence W. A.	438 S. Quincy Ave., Kansas City, Mo.	.5
9AIM	Mackley, Harry A.	420 Dechman Ave., Peoria, Ill.	1.0
9ADK	MacMillan, Charles W.	635 Vine St., Denver, Colo.	.5
9RN	Maibucher, Fred J.	2623 Indianapolis Ave., Indianapolis, Ind.	.5
9GP	Mallarian, Gregory.	301 S. 13th St., Fargo, N. Dak.	1.0
9DW	Malott, Alfred F.	945 W. 30th St., Indianapolis, Ind.	.5
9QP	Mann, Harold L.	1120 Smith St., Burlington, Iowa.	.5
9KA	Markowski, Edward T.	1468 N. Ashland Ave., Chicago, Ill.	1.0
9AHD	Mase, Harold E.	3335 Hennepin Ave., Minneapolis, Minn.	.5
9AER	Marshall, George.	2045 S. Lawrence Ave., Wichita, Kans.	.5
9AG	Martens, Hugo.	2015 Gaines St., Davenport, Iowa.	.5
9LZ	Mason, Francis M., jr.	9 N. Chicago St., Rossville, Ill.	.5
9VQ	Mason, Leroy E.	Alden, Minn.	.5
9RT	Masters, Raymond.	2406 Wabash Ave., Kansas City, Mo.	.5
9RE	Mathauser, James J.	1943 W. Garfield Blvd., Chicago, Ill.	.5
9IK	Mathews, Ralph H. G.	1316 Carmen Ave., Chicago, Ill.	1.0
9KK	Mathias, Russell E.	2509 Bellefontaine St., Indianapolis, Ind.	.5
9AAZ	Mathiasen, Carl A.	Onawa, Iowa.	.5
9AAJ	Mathison, Michael C.	Glen Ellyn, Ill.	.5
9AEY	Matzinger, Philip F.	1956 W. 94th St., Chicago, Ill.	.5
9CO	Maupin, Ross T.	2436 Indiana St., Kansas City, Mo.	.5
9PJ	Maxfield, David C.	Le Roy, Minn.	1.0
9SP	Maxson, Rolland and Charles S.	Milton, Wis.	1.0
9UH	May, De Witt W.	3021 Hoagland Ave., Ft. Wayne, Ind.	.5
9PO	May, Howard L.	Buckingham Annex, St. Louis, Mo.	.5
9MN	Maynard, P. Neff.	208 W. 7th St., Boone, Iowa.	1.0
9BO	McBride, Ralph M.	Tabor, Iowa.	.5
9RR	McCall, John A.	Crystal Lake, Ill.	.5
9RG	McCartney, Hugh S.	227 E. Jefferson St., Washington, Iowa.	1.0
9MD	McClintock, William S., jr.	1257 Topeka Ave., Topeka, Kans.	.5
9RJ	McCoy, James B.	3026 N. New Jersey St., Indianapolis, Ind.	1.0
9AIR	McCune, George H.	1445 N. Edward St., Decatur, Ill.	.5
9ADZ	McDonald, Edgar J.	5526 Lakewood Ave., Chicago, Ill.	.5
9AE	McGee, Paul J.	2609 Richmond Ave., Mattoon, Ill.	.5
9AC	McGuiffage, William J.	4418 Wabash Ave., Chicago, Ill.	1.0
9RY	McGuire, Donald D.	Public School Bldg., Aurora, Ill.	1.0
9GE	McKee, Myron J.	2213 N. New Jersey St., Indianapolis, Ind.	.5
9OT	McKee, Charles R.	203 N. 2d St., Atchison, Kans.	1.0
9WP	McKee, er, Thomas.	1703 W. 10th Pl., Chicago, Ill.	.5
9ER	McLoad, Kenneth.	1717 S. Jefferson Ave., St. Louis, Mo.	1.0
9EO	McNeill, Malcom R.	1310 Maple Ave., Evanston, Ill.	.5
9ACK	McQuilkin, Joseph R.	1815 N. 6th St., Sheboygan, Wis.	.5
9KG	Melcher, John M.	Wautoma, Wis.	.5
9ADD	Meldrum, George E.	Carrollton, Ill.	.5
9VV	Messerly, Henry.	Staunton, Ill.	1.0
9AGK	Messing, Marvin M.	27 Shaffer St., Freeport, Ill.	.5
9QZ	Meyer, Otto.	1109 St. Clair Ave., East St. Louis, Mo.	1.0
9RS	Meyer, Walter A.	1832 N. 13th St., Sheboygan, Wis.	.5
9MC	Michaels, John J.	1352 Komensky St., Chicago, Ill.	.5
9AIZ	Miller, Carmi E.	217-219 E. St. Paul St., Spring Valley, Ill.	.5
9AEM	Miller, Charles, jr.	2856 N. Racine Ave., Chicago, Ill.	.5
9AEK	Miller, F. Leslie.	4625 N. Hermitage Ave., Chicago, Ill.	1.0

AMATEUR RADIO STATIONS—Continued.

NINTH DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. <i>Kw.</i>
9JR	Miller, Harry F.	1024 E. 14th St., Davenport, Iowa.	1.0
9KR	Miller, John F.	670 Rush St., Chicago, Ill.	1.0
9VJ	Miller, Leland	Osceola, Ind.	.5
9FH	Millsbaugh, Charles H., jr.	317 S. Franklin St., Decatur, Ill.	.5
9TN	Mirgeler, Robert J.	2815 Clyburn St., Milwaukee, Wis.	.5
9CD	Moen, Vere M.	661 Grand Ave., St. Paul, Minn.	.5
9AAV	Mole, Harry H.	2853 Fowler Ave., Omaha, Nebr.	.5
9MH	Moore, William M.	3102 N. Capitol Ave., Indianapolis, Ind.	.5
9FW	Moreland, Henry F.	1009 Washington Ave., Cairo, Ill.	1.0
9GS	Morgan, Berwyn E.	506 E. Cherry St., Watseka, Ill.	.5
9MW	Morrison, Francis S.	1378 S. Lincoln St., Denver, Colo.	.5
9TI	Morshead, John S.	Culver, Ind.	.5
9AII	Morton, Charles E.	520 Schwartz St., Edwardsville, Ill.	.5
9AJD	Morton, Clyde E.	341 S. Lawn Ave., Kansas City, Mo.	1.0
9NK	Moss, Frank K.	1021 S. York St., Denver, Colo.	.5
9EE	Mueller, Clarence	2421 N. Sawyer Ave., Chicago, Ill.	.5
9BJ	Munchhof, Leo G.	2046 N. New Jersey St., Indianapolis, Ind.	.5
9BE	Myers, Delbert	Amboy, Ind.	1.0
9ABU	Myers, Willford U.	209 N. 3d St., Charleston, Mo.	.5
9BB	Nattenheimer, Ervin B.	559 Lexington Ave., Newport, Ky.	.5
9AAH	Neddlinger, Laurence C.	3322 Northwestern Ave., Indianapolis, Ind.	.5
9BH	Neitz, Paul I.	137 Brainerd St., Naperville, Ill.	1.0
9IP	Nell, Edward, jr.	2023 Talbott St., Indianapolis, Ind.	.5
9AJ	Nell, Raymond B.	Clinton, Iowa.	.5
9RQ	Nelson, Carl H.	723 N. 1st St., Fargo, N. Dak.	.5
9AHI	Nelson, G. Adolph.	5518 W. 8th St., Duluth, Minn.	.5
9ADJ	Nelson, Lee M.	Seward, Nebr.	1.0
9AEW	Nelson, M. E.	731 3d St. N., Fargo, N. Dak.	.5
9OG	Nestlerode, Boyd W.	701 Pierce St., Sioux City, Iowa	1.0
9UM	Neumann, Clarence F.	1523 S. Ogden St., Denver, Colo.	.5
9JT	Neumann, Adelbert G.	1616 Wells St., Milwaukee, Wis.	.5
9AFG	Nevling, Lorin I.	4210 Maffitt Ave., St. Louis, Mo.	.5
9TL	Newhall, Elwood L.	2181 Madison Ave., Covington, Ky.	.5
9AAL	Newlin, Myron	2712 Indianapolis Ave., Indianapolis, Ind.	.5
9AW	Niswonger, Elbert E.	R. F. D. No. 8, Fort Wayne, Ind.	.5
9WB	Nolan, Guy P.	506 Ewing Ave., Kansas City, Mo.	.5
9SJ	Nolte, Edward F.	4955-A Terry Ave., St. Louis, Mo.	.5
9CA	Norene, Raymond E.	2425 Avenue A, Council Bluffs, Iowa.	.5
9RK	Norviel, Herbert D.	521 Jackson St., Anderson, Ind.	.5
9MG	Novak, Joe J.	4031 S. Campbell Ave., Chicago, Ill.	.5
9QN	Oberholtz, Edwin F.	935 W. 33d Ter., Kansas City, Mo.	1.0
9AF	O'Connell, John B.	6218 Ellis Ave., Chicago, Ill.	.5
9AEG	O'Donnell, Wert	1222 W. 30th St., Indianapolis, Ind.	1.0
9FK	Oetjen, Richard J.	Williams Bay, Wis.	.5
9IS	Olmsted, Randolph F.	517 S. 4th St., Grand Forks, N. Dak.	.5
9AEL	Olsen, Clarence J. M.	349 St. John's Court, Chicago, Ill.	1.0
9IV	Olsen, Winnard G.	1454 Pensacola Ave., Chicago, Ill.	1.0
9DK	O'Neil, Donald H. C.	5740 Bartmer Ave., St. Louis, Mo.	.5
9AAF	Oonk, William J. C.	2232-A Red Bud Ave., St. Louis, Mo.	.5
9TT	Ort, Henry M.	3934 Montrose Ave., Chicago, Ill.	.5
9TV	Ostermeier, Cecil H.	529 W. Jefferson St., Springfield, Ill.	.5
9UB	Osting, Raymond	2135 S. New Jersey St., Indianapolis, Ind.	.5
9AHS	Ovrebø, Paul	Aneta, N. Dak.	.5
9UP	Paezold, William H.	4202 Farlin Ave., St. Louis, Mo.	.5
9WG	Parks, Paul B.	339 Ashland Ave., River Forest, Ill.	.5
9TA	Parnin, Ross	1239 W. Berry St., Ft. Wayne, Ind.	1.0
9WS	Patterson, Coy V.	3528 Windsor Ave., Kansas City, Mo.	.5
9DB	Paust, Lawrence R.	304 E. North St., Whitewater, Wis.	1.0
9AHG	Payne, Howard	1201 N. 27th St., Omaha, Nebr.	.5
9FB	Pearce, William W., jr.	538 Steele Court, Waukegan, Ill.	.5
9AAN	Pecha, J. D.	2331 S. Avers Ave., Chicago, Ill.	.5
9PW	Peck, Earle M.	204 N. State St., Elgin, Ill.	1.0
9OH	Pentland, Robert L.	5225 Woodlawn Ave., Chicago, Ill.	.5
9LO	Perkins, Albert	3946 The Paseo, Kansas City, Mo.	1.0
9BL	Perl, Raymond H.	2533 N. Richmond St., Chicago, Ill.	1.0
9NU	Perry, William N.	825 Lake Ave., Racine, Wis.	.5
9KI	Petersen, Howard E.	1424 E. 70th St., Chicago, Ill.	1.0
9QO	Petersen, Walter	4607-A Natural Bridge Ave., St. Louis, Mo.	.5
9HW	Peterson, Oscar W.	705 W. Bancroft Ave., Fergus Falls, Minn.	1.0
9ABW	Pfeiler, Lawrence	1810 N. 5th St., Sheboygan, Wis.	1.0
9ACW	Pfister, Walter	516 Erie Ave., Sheboygan, Wis.	.5
9NX	Phelps, Clyde W.	1032 Benton St., Rockford, Ill.	1.0
9NC	Phillips, H. G.	210 Sheridan Rd., Hubbard Woods, Ill.	1.0
9AFR	Phillips, Claude B.	Luca, N. Dak.	.5
9OZ	Phillips, H. Leroy	1342 11th St., Des Moines, Iowa	.5
9MM	Pickett, Chester H.	223 Maple Ave., Waukesha, Wis.	.5

## AMATEUR RADIO STATIONS—Continued.

## NINTH DISTRICT—Continued.

## ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. Kw.
9EV	Piersol, Myron D.	4546 N. Seeley Ave., Chicago, Ill.	1.0
9CC	Pierson, Martin	Williams Bay, Wis.	.5
9PY	Pierson, Stuart W.	214 Maple Ave., Carrollton, Ill.	.5
9HU	Pilgram, George W. and John C.	710 S. 19th St., St. Joseph, Mo.	.5
9OL	Plank, George A., Jr.	101 N. Pleasant St., Independence, Mo.	1.0
9LL	Plummer, Evans E.	2444 N. Alabama St., Indianapolis, Ind.	.5
9GT	Pollard, Lynn	929 W. Governor St., Springfield, Ill.	.5
9TY	Pope, Franklin R.	675 Greenwood Ave., Glencoe, Ill.	1.0
9AD	Porwancher, Samuel	402 N. 61st St., Chicago, Ill.	.5
9UR	Powers, Milton A.	602 Cudahy Ave., Cudahy, Wis.	1.0
9HD	Prahl, Louis	463 10th Ave., Milwaukee, Wis.	.5
9AHN	Principia School	St. Louis, Mo.	1.0
9FM	Preuss, Arthur C.	212 E. 9th St., Newport, Ky.	.5
9NB	Price, Gerald	4402 Greenwood Ave., Chicago, Ill.	.5
9JM	Putz, Anton E.	703 25th St., Milwaukee, Wis.	.5
9OU	Pye, Harold	935 N. Trumbull Ave., Chicago, Ill.	1.0
9CS	Ragan, Tate V.	523 Garfield Ave., Kansas City, Mo.	.5
9PH	Ranson, Richard R.	626 W. Macon St., Decatur, Ill.	1.0
9KD	Rathert, Will P.	316 W. 5th Ave., Cresco, Iowa.	1.0
9SB	Rawson, A. Cummins	2500 Grand Ave., Des Moines, Iowa.	.5
9GC	Read, Harry	728 Chestnut St., Grand Forks, N. Dak.	.5
9IG	Reeder, Vera K.	2705 Highland Pl., Indianapolis, Ind.	1.0
9AGJ	Rees, John C.	1314 Cedar St., Le Mars, Iowa.	.5
9FO	Rehm, Ralph E.	1102 N. 3d St., Kansas City, Kans.	.5
9LA	Reichenecker, Frank N.	543 Everett Ave., Kansas City, Kans.	1.0
9BW	Reinhardt, William	3312 Larimore St., Omaha, Nebr.	1.0
9WH	Reynolds, William D., Jr.	3811 S. 10th Ave., Minneapolis, Minn.	1.0
9BQ	Rhea, Robin E.	Indianola Rd., Des Moines, Iowa.	1.0
9AEQ	Richards, John	2508 Ames Ave., Omaha, Nebr.	.5
9OV	Richardson, David W.	5711 Blackstone Ave., Chicago, Ill.	.5
9VW	Riedy, Walter L.	237 South St., Houghton, Mich.	.5
9GR	Riggs, H. C.	845 Kentucky St., Lawrence, Kans.	.5
9NE	Riley, Wilson M.	4424 St. John St., Kansas City, Mo.	1.0
9NS	Ritter, William H.	2748 N. 22d St., Kansas City, Kans.	.5
9ND	Roberts, Mason C.	1130 Wisconsin St., Racine, Wis.	1.0
9GW	Rock, Burnham S.	5921 Winthrop Ave., Chicago, Ill.	1.0
9ADX	Roe, Vancil V.	Pillsbury Academy, Owatonna, Minn.	1.0
9MR	Roth, Henry, Jr.	Polo, Ill.	.5
9ST	Roth, John	1827 John Ave., Superior, Wis.	.5
9AT	Rueschau, Harry R.	3748 Clifton Ave., Chicago, Ill.	1.0
9ADI	Rufsvold, Arnold S.	3216 16th Ave. S., Minneapolis, Minn.	.5
9AAE	Russell, Wolfert D.	5701 Clemens Ave., St. Louis, Mo.	.5
9OS	Rutt, Burnice L.	Casey, Iowa.	.5
9SV	Ruzek, Oscar F.	Flat Rock, Mich.	.5
9FI	Sallsbury, Hubbard H.	1703 Banks Ave., Superior, Wis.	.5
9RL	Saltmarsh, Eugene P.	1215 Newman St., Indianapolis, Ind.	1.0
9OP	Sandifer, Robert P.	325 N. Atchison St., El Dorado, Kans.	.5
9KV	Sauer, August	409 N. Temple Ave., Indianapolis, Ind.	.5
9DT	Schaf, J. Charles, Jr.	1410 N. Delaware St., Indianapolis, Ind.	1.0
9AHO	Schalkhauser, Erich G.	Sterling, Nebr.	.5
9MX	Schiller, Roy	1216 Hammond Ave., Superior, Wis.	1.0
9AEF	Schlegel, Alfred	222 S. Francis St., South Bend, Ind.	1.0
9SF	Schowalter, Elmer R.	Moundredge, Kans.	1.0
9SM	Schmidt, Otto G.	4310 Emmet St., Omaha, Nebr.	1.0
9AJN	Schoenwolf, Fred L. H.	1917 Warner Ave., Chicago, Ill.	.5
9SS	Schrage, Charles T.	517 Washington Court, Sheboygan, Wis.	1.0
9IR	Schricker, J. Raymond	R. F. D. No. 6, Rockingham, Iowa.	.5
9JZ	Schubert, Clarence K. F.	932 Spaight St., Madison, Wis.	.5
9FC	Schulte, Herman	Oregon, Mo.	1.0
9AA X	Schulze, A. N.	2844 Ames Ave., Omaha, Nebr.	.5
9KW	Scott, M. Vernon	2128 Bellefontaine St., Indianapolis, Ind.	.5
9BY	Scoven, Paul	327 Park Ave., Kokomo, Ind.	.5
9VH	Scribner, Elmer B.	1111 S. 16th St., Sheboygan, Wis.	.5
9DZ	Seaman, Walter A.	734 Christiana Ave., Chicago, Ill.	.5
9DN	Sears, Charles L.	1322 Bayard Ave., St. Louis, Mo.	1.0
9SU	Seese, Thomas G.	4355 N. Ashland Ave., Chicago, Ill.	1.0
9IT	Sels, Hollis K.	131 Hyland Ave., Ames, Iowa.	1.0
9AGR	Seymour, Charles E.	824 Astor St., Milwaukee, Wis.	.5
9AO	Semmelmeyer, Herbert	2629 W. Fairfield Ave., Chicago, Ill.	1.0
9GH	Sever, Harold C.	Pleasant Plains, Ill.	.5
9ACE	Shanks, Charles E.	2660 Sutton Ave., Maplewood, Mo.	1.0
9BG	Shepherd, Don I.	316 N. West St., St. John, Kans.	1.0
9ABO	Shepherd, Floyd P.	936 Center St., Racine, Wis.	.5
9MT	Shiel, Merrill	433 S. Warman Ave., Indianapolis, Ind.	.5
9AAS	Shockey, Clarence A.	Cameron, Mo.	.5

AMATEUR RADIO STATIONS—Continued.

NINTH DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			<i>Kw.</i>
9EF	Shotwell, Harold H.	446 61st Pl., Chicago, Ill.	1.0
9AGI	Shriner, Ralph L.	4236 Juniata St., St. Louis, Mo.	.5
9VA	Siegert, Walter	1250 W. 97th Pl., Chicago, Ill.	.5
9EY	Simms, Lincoln J.	318 Locust St., Elgin, Ill.	1.0
9IY	Singleton, Paul G.	3161 Kenwood Ave., Indianapolis, Ind.	.5
9AQ	Skrainka, Walter and Nicholas.	4235 Lindell Blvd., St. Louis, Mo.	.5
9AAD	Slentz, Daniel R.	305 Douglas St., Fort Wayne, Ind.	.5
9IX	Smith, H. Merrill	4454 W. Monroe St., Chicago, Ill.	.5
9UN	Smith, Joe L.	109 N. Highland St., Chanute, Kans.	.5
9MA	Smith, Lester M.	Salem, Wis.	.5
9AIT	Smith, Nathaniel C.	912 N. Glen Oak Ave., Peoria, Ill.	.5
9ABG	Smith, Noble	1329 Brook St., Louisville, Ky.	.5
9BR	Smith, Raymond J.	1836 Villa St., Racine, Wis.	.5
9WV	Smith, Raymond L.	3005 Fulton St., Chicago, Ill.	1.0
9WM	Smith, Stanley	1552 E. 61st St., Chicago, Ill.	.5
9IM	Smith, Wallace W.	13 Eastover Park, Louisville, Ky.	1.0
9FX	Smith, Wilson S.	219 Rome Ave., Rockford, Ill.	.5
9VZ	Snarski, J. P.	1302 W. 52d St., Chicago, Ill.	.5
9AHM	Snoke, Kenneth F.	511 E. 16th St., Davenport, Iowa.	1.0
9JK	Snyder, William O.	Sweet Springs, Mo.	.5
9JI	Sommer, James M.	2538 N. Talbot Ave., Indianapolis, Ind.	.5
9ADS	Spalding, John G.	1328 Brook St., Louisville, Ky.	.5
9EI	Spaniol, John T.	1324 Harrison St., Superior, Wis.	1.0
9LT	Sparks, Charles H.	5431 Bartmer St., St. Louis, Mo.	.5
9AIG	Spickerman, Francis H.	Sandwich, Ill.	.5
9IJ	Spencer, Alvin C.	Magnolia, Ill.	1.0
9QQ	Spencer, Earle W.	600 Wingfield St., Anoka, Minn.	1.0
9KP	Spencer, Levi	Gilman, Ill.	.5
9AFI	Sprackling, George A.	602 Milwaukee Ave., Janesville, Wis.	.5
9FE	Stang, Ray E.	1305 Main St., Le Mars, Iowa.	.5
9ADP	Stanley, Charles A.	1416 N. Hillside Ave., Wichita, Kans.	1.0
9HX	Stewart, Lawrence W.	211 Hicks Ave., Columbia, Mo.	1.0
9HK	St. Cyr, Albert	319 Harrison St., Marquette, Mich.	.5
98X	Steinberg, Alfred F.	933 35th St., Milwaukee, Wis.	.5
9HP	Stevens, Kenneth	2032 N. 7th St., Sheboygan, Wis.	.5
9OX	Stevens, Harold D.	6804 Hurlbut Ave., Chicago, Ill.	1.0
9RZ	Stone, Francis E.	801 Harrison St., Topeka, Kans.	1.0
9AA	Stone, Richard G.	717 Douglas Ave., Elgin, Ill.	.5
9LH	Stone, J. McW.	5129 Harper Ave., Chicago, Ill.	1.0
9LP	Stover, Peter A.	Marengo, Iowa.	1.0
9UY	Strock, Reeve O.	Polo, Ill.	1.0
9WJ	Struver, Harold W.	1218 Lafayette St., Ft. Wayne, Ind.	.5
98L	Sutcliffe, Ewart L.	308 Kearsarge St., Laurium, Mich.	.5
9DG	Sutherland, Kenneth L.	1411 Harrison St., Topeka, Kans.	1.0
9AFM	Swain, Raymond E.	2828 Highland Pl., Indianapolis, Ind.	.5
9ID	Swanson, Carl S.	7110 Cottage Grove Ave., Chicago, Ill.	.5
9AFN	Swanson, Martin	1900 Western Ave., Minneapolis, Minn.	.5
9CB	Tafel Electric Co., Inc., H. C.	236 W. Jefferson St., Louisville, Ky.	1.0
9IH	Talbot, Edward	1114 W. 34th St., Indianapolis, Ind.	1.0
9PZ	Tallentire, Thomas	458 Foote Ave., Bellevue, Ky.	.5
9EJ	Taylor, Forrest	Monroeville, Ind.	.5
9GB	Taylor, Wm. B., Jr.	6638 Kenmore Ave., Chicago, Ill.	1.0
9FN	Taynton, Mark	7641 South Shore Drive, Chicago, Ill.	.5
9LG	Teal, Paul H.	High School, Devils Lake, N. Dak.	1.0
9JV	Teator, Macy O.	Hagerstown, Ind.	.5
9HQ	Terry, Owen R.	202 Prospect Ave., Stoughton, Wis.	1.0
9AII	Terry, James W.	520 Schwartz St., Edwardsville, Ill.	.5
9QV	Thacher, Safford D.	310 Polk St., Topeka, Kans.	.5
9ON	Thielens, Wagner P.	Y. M. C. A. Bldg., South Bend, Ind.	1.0
9ED	The David Ranken, jr. School of Mechanical Trades.	4420 Cook Ave., St. Louis, Mo.	1.0
9AM	Theisen, Peter J.	3413 Meade St., Denver, Colo.	.5
9WK	Thomas, Carroll W.	746 16th St., Milwaukee, Wis.	.5
9RU	Thomas, Herschel	R. F. D. No. 15, Amboy, Ind.	.5
9OR	Thomas, Martin N.	3019 Locust St., St. Joseph, Mo.	.5
9BM	Throop, Fred I.	Gilman, Ill.	.5
9TS	Tinling, Ted R. G.	6042 Kenwood Ave., Chicago, Ill.	.5
9AAW	Todd, J. Richard	Louisville, Ill.	.5
9ABX	Todd, Leonard	2269-A Red Bud Ave., St. Louis, Mo.	.5
9EB	Tomann, Orville R.	R. F. D. No. 1, Ellsworth, Wis.	.5
9BK	Trier, Paul W.	803 2d Ave., Maywood, Ill.	.5
9IU	Tronske, Anthony	Neidringhouse Bldg., Granite City, Ill.	1.0
9JW	Trump, Robert K.	1254 Van Buren St., Topeka, Kans.	1.0
9AGB	Tylekens, Lucas, Jr.	111 N. Topping Ave., Kansas City, Mo.	.5



## AMATEUR RADIO STATIONS—Continued.

## NINTH DISTRICT—Continued.

## ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power. <i>Kw.</i>
9QK	Tuckerman, Gustavus, jr.	5851 Pennsylvania Ave., St. Louis, Mo.	0.5
9TR	Turner, Orville H.	4534 McMillan Ave., St. Louis, Mo.	1.0
9EW	Vander Veer, Guy E.	1246 W. Randolph St., Chicago, Ill.	.5
9SM	Van Hook, Valens.	127 Clay St., Topeka, Kans.	.5
9BV	Van Slyck, Wellington	836 Main St., Lake Geneva, Wis.	.5
9AEE	Varner, Lindsay I.	Odessa, Mo.	.5
9QY	Vehling, Robert.	622 N. Rural St., Indianapolis, Ind.	.5
9OF	Vollmar, Harold V.	909 Wall St., Milwaukee, Wis.	.5
9PP	Voss, Lucien L.	2679 Lincoln Ave., Chicago, Ill.	.5
9AIB	Wahn, Harry.	4946 N. Hoynes Ave., Chicago, Ill.	.5
9GO	Wagner, William D.	123 W. 4th St., Duluth, Minn.	.5
9ES	Wales, Frank S.	Polo, Ill.	.5
9FA	Walker, Lloyd A.	1716 S. 20th St., St. Joseph, Mo.	.5
9ADR	Wallace, William A.	Brush, Colo.	1.0
9AY	Ward, Lloyd S.	1227 Chestnut St., Rockford, Ill.	1.0
9AEX	Wareing, Thomas.	2615 Seminary Ave., Chicago, Ill.	.5
9JT	Warner, Kenneth H.	402 Washington Ave., Cairo, Ill.	.5
9CU	Watkins, Edwin S.	5245 Magnolia Ave., Chicago, Ill.	1.0
9CA	Watson, Noble B.	204 N. Hamilton Ave., Indianapolis, Ind.	1.0
9DO	Weber, Anthony L.	1302 Winona Ave., Chicago, Ill.	.5
9CL	Weber, John O.	546 31st St., Des Moines, Iowa.	.5
9PL	Weilepp, Paul F.	631 W. Prairie Ave., Decatur, Ill.	.5
9SK	Weitz, Rudolph W.	403 W. 42d St., Des Moines, Iowa.	1.0
9IS	Wendell, Raymond B.	908 Clark St., Evanston, Ill.	.5
9AAB	West, Paul H.	631 Harrison St., Gary, Ind.	1.0
9QC	Wheeler, Ted R.	1729 Quindaro Blvd., Kansas City, Kans.	1.0
9LB	Whipple, Arthur F.	1040 N. Leclaire Ave., Chicago, Ill.	1.0
9ADU	Whitaker, Ralph S.	1825 S. Washington St., Denver, Colo.	1.0
9AFK	Whitcomb, Donald L.	406 N. Lawndale St., Kansas City, Mo.	.5
9HB	White, Elliott A.	903 Lake St., Columbia, Mo.	1.0
9JH	White, H. S. M.	1523 Jackson St., Sioux City, Iowa	1.0
9CQ	Wiggin, Parker E.	737 Waverly Ave., Kansas City, Kans.	.5
9UA	Wigton, Theron W.	27 N. Anderson St., Aurora, Ill.	.5
9IE	Wilcox, Charles W.	427 S. Brighton St., Kansas City, Mo.	.5
9PU	Wilhelmy, Lino M.	418 S. Main St., Decatur, Ill.	.5
9KH	Wilcox, Leo B.	415 W. Park Ave., Angola, Ind.	1.0
9FF	Wilkerson, Wilbur P.	1424 N. 29th St., Kansas City, Kans.	1.0
9AHR	Williams, Ashley.	4300 South St., Lincoln, Nebr.	.5
9AGT	Williams, Creah V.	525 N. Emporia Ave., Wichita, Kans.	1.0
9JP	Williams, Harold S.	707 Garden St., Kenosha, Wis.	.5
9PN	Williams, Harry B.	515 Central St., Chanute, Kans.	1.0
9SY	Williams, Morton B.	2419 S. Calhoun St., Ft. Wayne, Ind.	1.0
9RA	Williams, Norman B.	115-117 N. Vermillion St., Streator, Ill.	1.0
9NZ	Willing, William P.	610 N. Grove Ave., Oak Park, Ill.	1.0
9II	Wilshusen, Wilmer L.	Stafford, Kans.	1.0
9EP	Wilson, Guy E.	3922 Flora Ave., Kansas City, Mo.	1.0
9NR	Winchester, Roy H.	840 De Kalb Ave., Sycamore, Ill.	1.0
9WV	Wireless Trio, The. <i>See</i> Hoffman, Erich A.		
9TP	Witcraft, Wilbur.	1941 Thompson Ave., Kansas City, Kans.	1.0
9ACO	Wittick, Eugene C.	104 6th Ave., Moline, Ill.	.5
9US	Woodford, Joe C.	411 E. 2d Ave., Oskaloosa, Iowa	.5
9AR	Woodruff, Ralph T.	649 N. 37th St., East St. Louis, Mo.	1.0
9HS	Woods, William E.	4538-A Laclede St., St. Louis, Mo.	.5
9AIU	Wolff, Jerome E.	510 W. Iowa St., Urbana, Ill.	.5
9CY	Wooster, Stanley W.	5531 Lowe Ave., Chicago, Ill.	1.0
9ADN	Wright, Kenneth E.	855 Grand Ave., Waukegan, Ill.	.5
9QM	Wunderlich, Clarence C.	213 3d St., Cairo, Ill.	1.0
9NL	Wunderlich, Norman.	Sedgewick and Division Sts., Chicago, Ill.	.5
9MF	Yeakel, Maynard A.	Polo, Ill.	.5
9VC	Ziegenbein, Ralph W. L.	335 Douglas St., Houghton, Mich.	.5
9DM	Ziesenis, Harry.	700 Mississippi St., Lawrence, Kans.	1.0
9FY	Zimmerman, Clinton J.	117 S. Washington St., Duquoin, Ill.	1.0
9AGL	Zuckerman, Samuel.	2119 Spruce St., Boulder, Colo.	.5
9AIE	Zuelow, Felix.	Casselton, N. Dak.	.5

AMATEUR RADIO STATIONS—Continued.

NINTH DISTRICT—Continued.

ALPHABETICALLY BY CALL SIGNALS.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
9AA	Stone, Richard G.	9ADT	Hartman, Gilbert & Martin.	9AGV	Fiedler, Herbert.
9AAB	West, Paul H.	9ADU	Whitaker, Ralph S.	9AGX	Bean, Mason.
9AAC	Carlisle, Lloyd.	9ADV	Joslin, Murray.	9AGY	Brodnax, Lewis M.
9AAD	Slantz, Daniel R.	9ADW	Hicks, Verner.	9AGZ	Engel, Roman.
9AAE	Russell, Wolfert E.	9ADX	Roe, Vancil V.	9AH	Kihlstrom, Harry C.
9AAF	Oonk, William J. C.	9ADY	Clapp, Newell.	9AHA	Gates, George B.
9AAG	Butler, Leonard.	9ADZ	McDonald, Edgar J.	9AHD	Mase, Harold E.
9AAH	Neidlinger, Laurence.	9AE	McGee, Paul J.	9AHE	Harlin, Paige J.
9AAI	Bruestle, Walter F. Jr.	9AEA	Benton, Raymond M.	9AHG	Payne, Howard.
9AAJ	Mathison, Michael.	9AEB	Garver, Norman D.	9AHI	Nelson, Gustaf A.
9AAK	Knowles, Ivar A.	9AEC	Landon, Edward B.	9AHK	Drummond, Ralph.
9AAL	Newlin, Myron.	9AED	Larsen, Clifford N.	9AHM	Snoke, Kenneth F.
9AAM	Clough, Kendall.	9AEE	Varner, Lindsay.	9AHN	Principia School.
9AAN	Pecha, J. D.	9AEF	Schlegel, Alfred.	9AHO	Schalckhauser, E. G.
9AAO	Ebert, Arthur.	9AEG	O'Donnell, Wert.	9AHR	Williams, Ashley.
9AAP	Dunlap, Carroll M.	9AEH	Blake, Charles R.	9AHS	Ovrebø, Paul.
9AAQ	Lewis, Hubert.	9AEI	Ebner, Emil, Jr.	9AHT	Glavin, Roland E.
9AAK	Barton, Harold.	9AEJ	Hornbeck, Holton.	9AHU	Buck, Donald N.
9AAT	Kenyon, Vernon N.	9AEK	Miller, Leslie F.	9AHW	Call, George R.
9AAU	Blasie, Herbart, Jr.	9AEL	Olsen, Clarence J. M.	9AI	Kaufmann, Elmer.
9AAV	Mole, Harry E.	9AEM	Miller, Charles, Jr.	9AIA	Campbell, Albert.
9AAW	Todd, J. Richard.	9AEN	Brewster, Vernon.	9AIB	Wahn, Harry.
9AAX	Schulze, A. N.	9AEO	Hall, Alfred H.	9AIC	Bliss, Sidney.
9AAZ	Mathias, Frank M., Jr.	9AEP	Avery, Norman K.	9AID	Lockhart, Ashton.
9ABA	Crabb, Thomas G.	9AEQ	Richards, John.	9AIE	Zuelow, Felix.
9ABD	Corwin, Willis.	9AES	Marshall, George.	9AIF	Fawcett, Lester S.
9ABE	Button, Bert A.	9AET	Garrett, Halle C.	9AIG	Spickerman, Francis H.
9ABG	Himech, Norbert.	9AEU	Huff, Fred, Jr.	9AIH	Morton, C. E. and Terry, J. W.
9ABI	Todd, Leonard.	9AEV	Coffman, Scott.	9AII	Lipe, Corodon C.
9ABK	Kingsland, Le Roy.	9AEW	Nelson, M. E.	9AIJ	Cook, George S.
9ABM	Deming, Herschel.	9AEX	Wareing, Thomas.	9AIK	Jordan, Jacob.
9ABN	Shephard, Floyd P.	9AEY	Matzinger, Philip F.	9AIM	Mackley, Harry A.
9ABO	Baker, Warren C.	9AEZ	Egloff, Edward and Martin.	9AIN	Ferguson, William B.
9ABR	Fanzel, Oscar F., Jr.	9AF	O'Connell, John B.	9AIO	Ferre, Frank H.
9ABS	Frazier, Herman.	9AFA	Jaroszewicz, Casimir.	9AIP	Hunt, Clayton S.
9ABT	Meyer, Willford U.	9AFD	Krus, Carl.	9AIQ	Englund, Lawrence.
9ABU	Pfeifer, Lawrence.	9AFG	Howard, John C.	9AIR	McCune, Geo. H.
9ABW	Spetzman, John.	9AFI	Nepling, Lorin I.	9AIS	Carber, Orville F.
9ACA	Dorrier, Hilary.	9AFK	Sprackling, George A.	9AIT	Smith, Nathaniel C.
9ACD	Greene, John.	9AFM	Whitcomb, Donald L.	9AIU	Walt, Jerome.
9ACE	Shanks, Charles E.	9AFN	Swain, Raymond E.	9AIW	Curtis, David S., Jr.
9ACG	Duncan, Wilbur H.	9AFO	Swanson, Martin.	9AIX	Doole, Howard, and Francis, Lyle.
9ACI	Allen, George M.	9AFL	Harris, Harvey P.	9AIZ	Gabbert, Oscar F., Jr.
9ACK	McQuilkin, Joseph R.	9AFR	Phillips, Claude B.	9AJ	Davis, Winfield.
9ACM	Jeffrey, Albert E.	9AFS	Busey, Paul G.	9AJA	Miller, Carmel E.
9ACN	Curry, Wilfred N.	9AFU	Blum, Sidney J.	9AJB	Nell, Raymond B.
9ACR	Frank, Eugene C.	9AFV	Clayton, Harold H.	9AJC	Argabrite, Geo. A.
9ACS	Gooch, Bertram.	9AFW	Bechtold, Joe and Fred V.	9AJD	Morton, Clyde E.
9ACT	Degner, Le Roy.	9AG	Martens, Hugo.	9AJE	Gunderson, Clarence.
9ACU	Hegeman, Edwin.	9AGA	Bornofski, Clarence and Elmer.	9AJG	Kansler, Vic. H.
9ACW	Pfister, Walter.	9AGB	Tylekens, Lucas, Jr.	9AJH	Kuhl, G. Harris.
9AD	Forwancher, Samuel.	9AGC	Cottrell, Gorham J.	9AJK	Fischer, A.
9ADA	Franklin, Maurice W.	9AGD	Banks, Archie E.	9AJM	Meth, Charles.
9ADB	Greenwood, George W. Jr.	9AGE	Gamble, Glen A.	9AJN	Schoenwolf, Fred L.
9ADC	Erickson, Einer.	9AGF	Canary, Elmer B.	9AJO	Jumisko, Harold W.
9ADD	Meldrum, George E.	9AGG	Herrling, Raymond C.	9AL	Johnson, Arthur.
9ADE	Keller, Carl E.	9AGH	Fenner, Zell G.	9AM	Thelsen, Peter J.
9ADF	Jarboe, Owen.	9AGI	Shriner, Ralph L.	9AN	Cole, Jirah D., Jr.
9ADG	Hughes, Arthur S.	9AGJ	Rees, John.	9AO	Lipman, Theodore E. K.
9ADH	Clark, Donald L.	9AGK	Messing, Marvin M.	9AP	Kingsley, Raymond C.
9ADI	Rufsvold, Arnold S.	9AGL	Zuckerman, Sam.	9AQ	Skrainka, Walter and Nicholas.
9ADJ	Nelson, Lee.	9AGM	Knodle, Almon S.	9AR	Woodruff, Ralph T.
9ADK	MacMillan, Charles W.	9AGN	Brittin, Frank L.	9AS	Goodnow, Frank E.
9ADL	Bates, Clarence.	9AGO	Groth, Wm. A.	9AT	Rueschau, Harry R.
9ADM	Le Wine, George E.	9AGP	Barrett, Paul G.	9AU	Iversen, Reginald J.
9ADN	Wright, Kenneth E.	9AGQ	Davis, Herbert.	9AV	Hamel, Walter H.
9ADO	Bullock, Merlin & Gerald.	9AGR	Seymour, Charles.	9AW	Niswonger, Elbert E.
9ADP	Stanley, Charles A.	9AGS	Beker, Paul McN.	9AX	Loosen, Irving R.
9ADQ	Hecht, Royal H.	9AGT	Williams, C. V.	9AY	Ward, Lloyd S.
9ADR	Wallace, William A.	9AGU	Briscoe, Bertram O.	9AZ	Davidson, James G.
9ADS	Spalding, John G.				

## AMATEUR RADIO STATIONS—Continued.

## NINTH DISTRICT—Continued.

## ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
9BA	Elmore, Virtus R.	9DU	Elliott, Byron K.	9GB	Riggs, H. C.
9BB	Nattenheimer, Ervin B.	9DV	Locher, Leo.	9GB	Morgan, Berwyn E.
9BC	Dunlap, Carroll M.	9DW	Malott, Alfred F.	9GT	Pollard, Lynn.
9BD	Keeler, F. W.	9DX	Deich, Dayton P.	9GU	Clayton, Homer E.
9BE	Myers, Delbert E.	9DY	Healy, Kent T.	9GV	Coles, Jas. A.
9BF	Heck, Lawrence F.	9DZ	Seaman, Walter A.	9GW	Rock, Burnham S.
9BG	Shepherd, Don I.	9EA	Brattland, Armond D.	9GY	Kern, L. Armstrong.
9BH	Neitz, Paul I.	9EB	Oakley, Robert N.	9GZ	Ihl, G. Sberkian.
9BI	Craig, Richard A.	9EC	Lebo, Robert B.	9HA	Andrew, Warren.
9BJ	Munchhof, Leo G.	9ED	The David Ranken, jr., School of Mechanical Trades.	9HB	White, Elliott A.
9BK	Trier, Paul W.	9EE	Mueller, Clarence.	9HC	Kerney, Iden M.
9BL	Perl, Raymond H.	9EF	Shotwell, Harold H.	9HD	Prahl, Louis.
9BM	Throop, Fred I.	9EG	Dean, Carl W.	9HE	Bergvall, Royal, and W. E.
9BN	Flynn, John H., jr.	9EH	Hollister, Harold A.	9HF	Hatch, J. Hadley.
9BO	McBride, Ralph M.	9EI	Spaniol, John T.	9HG	Kistner, Joseph.
9BP	Holcombe, Ray E.	9EJ	Barnett, Lawrence T.	9HH	Bohac, Leonard.
9BQ	Rhea, Robin E.	9EK	French, Newell E.	9HI	Burchnell, Geo. M.
9BS	Jorgenson, Harold.	9EL	Herrmann, Louis G.	9HK	St. Cyr, Albert.
9BT	Baldwin, Edward.	9EM	Ball, George W.	9HL	Crawford, Robert.
9BU	Brown, Clarence I.	9EN	Fisher, Ralph D.	9HM	Davis, Donald W.
9BV	Van Slyck, Wellington.	9EO	McNeill, Malcolm R.	9HN	Crowdus, James A.
9BW	Reinhardt, Wm. C.	9EP	Wilson, Guy E.	9HO	Kossov, Erwin.
9BX	Lutz, Clarence W. A.	9EQ	Healy, Daniel.	9HP	Stevens, Kenneth.
9BY	Scoven, Paul.	9ER	McLoad, Kenneth.	9HQ	Terry, Owen R.
9BZ	Goddard, C.	9ES	Wales, Frank B.	9HR	Baulch, Ernest L.
9CA	Norene, Raymond E.	9ET	Bramhall, William.	9HS	Woods, William E.
9CB	H. C. Tafel Electric Co., Inc.	9EU	Frech, Lester.	9HT	Gleichman, Walter C.
9CC	Pierson, Martin.	9EV	Piersol, Myron D.	9HU	Pilgram, Geo. W. and John C.
9CD	Moen, Vere M.	9EW	Vander Veer, G. E.	9HW	Peterson, O. W.
9CE	Hansen, Leland H.	9EX	Adolfson, George S.	9HX	Stewart, Lawrence W.
9CF	Hall, Harlan R.	9EY	Simms, Lincoln J.	9HY	Keffer, Allen W.
9CG	Johnson, Ralph.	9EZ	Davis, Richard M.	9HZ	Anderson, Ivan H.
9CH	Grosscup, Harry W.	9FA	Walker, Loyd A.	9IA	Huckett, Edwin.
9CI	Johnson, August R.	9FB	Pearce, Wm. W., jr.	9IB	Koch, Emerson L.
9CJ	Harry, Charles.	9FC	Schulte, Herman.	9IC	Greenleaf, S. A.
9CK	Abeel, Wilson L.	9FD	Lawson, Parrvyn R.	9ID	Swanson, Carl S.
9CL	Bech, Guy I.	9FE	Dunklau, George.	9IE	Wilcox, Charles W.
9CM	Kilgopers, Milhart F.	9FF	Wilkerson, Wilbur P.	9IF	Cole, Jirah D., jr.
9CN	Cobb, Merle A.	9FG	Dickson, Ward.	9IG	Reeder, Vern K.
9CO	Maupin, Ross.	9FH	Millsaugh, Chas. H.	9IH	Talbott, Edward.
9CP	Brauch, Nicholas.	9FI	Salisbury, Hubbard H.	9II	Wilsnusen, Wilmer L.
9CQ	Behmer, William.	9FK	Oetjen, Richard J.	9IJ	Lloyd, Norman W.
9CR	Heise, Paul A.	9FL	Hauck, George.	9IK	Mathews, Ralph.
9CS	Ragan, Tate V.	9FM	Preuss, Arthur C.	9IL	Hellwig, Emil C.
9CT	Brallsford, Harry D.	9FN	Taynton, Mark.	9IM	Smith, Wallace W.
9CU	Watkins, Edwin S.	9FO	Rehm, Ralph E.	9IN	Locke, Melvin W.
9CV	Johnston, Roderick E.	9FP	Fawkes, C. E.	9IO	Henry, Albert L.
9CW	Heise, Elmer.	9FQ	Brigham, Neal.	9IP	Nell, Edward, jr.
9CX	Haynes, Roy.	9FR	Heckenkamp, E. B.	9IQ	Burr, Ralph H.
9CY	Wooster, Stanley W.	9FS	Davidson, James.	9IR	Schricker, J. Raymond.
9DA	Irvin, John A.	9FT	Graves, G. G.	9IS	Wendall, Raymond B.
9DB	Faust, Lawrence R.	9FU	LaDuke, Earl R.	9IT	Sels, Hollis K.
9DC	Fahney, Clarence H.	9FV	Aldrich, Clinton P.	9IU	Tronske, Anthony T.
9DD	Ederer, Lothar A.	9FW	Moreland, Henry F.	9IV	Olsen, Winard G.
9DE	Jensen, Arnold L.	9FX	Smith, Wilson.	9IW	Dennis, Eben R.
9DF	Hagedorn, Gilbert H.	9FY	Zimmerman, Clinton J.	9IX	Smith, H. Merrill.
9DG	Hilgenberg, Noble C.	9GA	Case, Henry W.	9IY	Singleton, Paul G.
9DH	Blatterman, Headlee.	9GB	Taylor, Wm. B., jr.	9IZ	Harris, Ralph G.
9DI	Ahrensfield, Wm. H.	9GC	Read, Harry.	9JA	Watson, Noble B.
9DJ	Beasley, William A.	9GD	McKee, Myron J.	9JB	Erikson, Eben W.
9DK	O'Neil, Donald H. C.	9GE	Eyth, Hector G.	9JC	Lewis, W. Turner II.
9DL	Friend, Earle M.	9GF	Sever, Harold C.	9JD	Jorganson, O. B.
9DM	Ziesemis, Harry C.	9GH	Levander, Edwin N.	9JE	Baumer, Harry W.
9DN	Bears, Charles L.	9GI	Lobas, John.	9JF	Hood, Norman R.
9DO	Weber, Anthony L.	9GJ	Weber, John O.	9JG	White, H. S. M.
9DP	Clark, Bayard H.	9GK	Curtis, Chas. D.	9JH	Sommer, James M.
9DQ	Sutherland, Kenneth L.	9GL	Wagner, William D.	9JI	Alvested, Clarence M.
9DR	Juvenal, James B.	9GM	Mallarian, Gregory.	9JJ	Snyder, William O.
9DS	Ballantyne, Elmer.	9GN	Ristau, Harold.	9JK	Keller, Stanley L.
9DT	Schal, J. Charles.	9GO		9JL	Futz, Anton E.
		9GP		9JM	
		9GQ			

AMATEUR RADIO STATIONS—Continued.

NINTH DISTRICT—Continued.

ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
9JN	Glasgow, Roy S.	9ME	Kimmel, Maurice E.	9OY	Fritz, Jack A.
9JO	Gustafson, Gerald.	9MF	Yeakel, Maynard A.	9OZ	Phillips, H. Leroy.
9JP	Williams, Harold S.	9MG	Novak, Joe J.	9FA	Korthals, Albert.
9JQ	Finlay, William J.	9MH	Moore, Wm. McD.	9FB	Hancock, Laverne.
9JR	Miller, Harry F.	9MI	Shiel, Merrill.	9FC	Carter, George W.
9JS	Goodnetter, Elmore.	9MJ	Hussner, Helm C.	9FD	Cassaday, Cecil E.
9JT	Warner, Kenneth B.	9MK	Gddings, E. H.	9FE	Stang, Ray E.
9JU	Gisseler, Herman.	9ML	Bement, David L.	9FF	Bolin, Ray E.
9JV	Teator, Macy O.	9MM	Pickett, Chester H.	9FG	Berghern, W. D., and Lengen, Geo.
9JW	Trump, Robert K.	9MN	Maynard, P. Neff.	9FH	Ranson, Richard R.
9JX	Griffiths, Robert E.	9MO	Huffman, Verne A.	9FI	Finehout, Fred.
9JY	Black, Max I.	9MP	Anderson, Paul D.	9FJ	Maxfield, David C.
9JZ	Schubert, Clarence.	9MQ	Graham, Albert I.	9FK	Foster, Edwin J.
9KA	Markowski, Edward T.	9MR	Roth, Henry, jr.	9FL	Wellepp, Paul F.
9KB	Forbes, Henry C.	9MS	Dier, Stephen.	9FM	Eick, Ferdinand.
9KC	Lee, David R.	9MT	Neumann, Clarence F.	9FN	Williams, Harry B.
9KD	Rathert, Will P.	9MU	Hess, Merriman.	9FO	May, Howard L.
9KE	Kranzfelder, Leonard J.	9MV	Hughes, James C.	9FP	Voss, Lucien L.
9KF	Goorisch, John A.	9MW	Morrison, Francis S.	9FQ	Greenleaf, Burton B.
9KG	Cornish, Clarence F.	9MX	Schiller, Roy.	9FR	Laidlaw, Robert F.
9KH	Wilcox, Leo B.	9MY	Haines, Thorvald L.	9FS	Gosha, Donald.
9KI	Petersen, Howard E.	9MZ	Evans, Walter C.	9FT	Howland, H. N.
9KJ	Briggs, Walter C.	9NA	Cleaveland, Leroy.	9FU	Wilhelmy, L. M.
9KK	Henricks, George.	9NB	Price, Gerald.	9FV	Laube, Herbert L.
9KL	Helm, Elvin E.	9NC	Phillipps, H. G.	9FW	Peck, Earle M.
9KM	Anderson, Oscar L.	9ND	Roberts, Mason.	9FX	Gustafson, C. Hjal- mar.
9KN	Burg, Harold E.	9NE	Riley, Wilson M.	9PY	Pierson, Stuart W.
9KO	Joseph, Jarod.	9NF	Cottrell, Wm. R.	9PZ	Tallentire, Thomas.
9KP	Spencer, Levi.	9NG	Cramer, Wilbur R.		
9KQ	Melcher, John M.	9NH	Abercrombie, Julius B.	9QA	Larson, Lee H.
9KR	Miller, John F.	9NI	Krug, Eugene C.	9QB	Kees, Rossman W.
9KB	Bennett, Harold.	9NJ	Brabender, Carl W.	9QC	Wheeler, Ted R.
9KT	La Plant, G. L.	9NK	Moss, Frank K.	9QD	Albach, Henry, jr.
9KU	Burgy, Charles A., jr.	9NL	Schattschneider, Emil G.	9QE	Hopkins, Stanley W.
9KV	Sauer, August.	9MM	Glavin, Roland E.	9QF	Lockwood, Charles E.
9KW	Scott, M. Vernon.	9NN	Deal, Harmon B.	9QG	Bundy, Howard E.
9KX	Mathias, Russell E.	9NO	Coquette, Glenn E.	9QH	Brockschmidt, Wes- ley E.
9KY	Hartnell, Eugene H.	9NQ	Leininger, Clarence.	9QI	Baldwin, Harry E.
9KZ	Davis, William R.	9NR	Winchester, Roy H.	9QM	Wunderlich, Clarence C.
9LA	Reichenecker, Frank N.	9NS	Ritter, Wm. H.	9QN	Oberholtz, Edwin F.
9LB	Whipple, Arthur F.	9NT	Chapman, Richard C.	9QO	Petersen, Walter.
9LC	Casey, John G.	9NU	Ferry, Wm. N.	9QP	Mann, Harold L.
9LD	Brooks, Ralph.	9NV	Gates, Arthur R.	9QQ	Spencer, Earle W.
9LE	Lisle, Waldo E.	9NW	Caldwell, Kenneth R.	9QS	Hood, Thomas.
9LF	Keenan, Charles J.	9NX	Phelps, Clyde W.	9QU	Johnson, Paul E.
9LG	Teal, Paul H.	9NY	Ivy, John S.	9QV	Thacher, Safford D.
9LH	Stone, J. McWilliams.	9NZ	Willing, William P.	9QW	Carnes, Theodore L.
9LI	Heiser, Walter C.	9OA	Dilley, Joseph.	9QY	Vehling, Robert.
9LJ	Spencer, Alvin C.	9OB	Church, Archibald, jr.	9QZ	Meyer, Otto.
9LK	Harrison, Major P., jr.	9OC	Johnson, Lorn F.		
9LL	Plummer, Evans E.	9OD	Kohl, William.	9RA	Williams, Norman B.
9LM	Schowalter, Elmer R.	9OE	Andreen, Earl H.	9RB	Kluge, Arno.
9LN	Laughlin, Dale.	9OF	Vollmar, Harold.	9RC	Bohnstengel, George.
9LO	Perkins, Albert.	9OG	Nestlerode, Boyd W.	9RD	Bailey, F. M.
9LP	Stover, Peter A.	9OH	Pentland, Robert L.	9RE	Mathauser, James J.
9LQ	Kruse, S.	9OI	Holte, Harold O.	9RF	Harmegnies, Paul E.
9LR	Carroll, W. H.	9OJ	Barry, Daniel.	9RG	McCartney, Hugh S.
9LS	Olmsted, Randolph F.	9OK	Gerkey, Lewis K.	9RH	Debus, George W.
9LT	Sparks, Chas. H.	9OM	Finley, Cyrus P.	9RI	Flevig, Henry.
9LU	Knouf, Ralph.	9ON	Thielens, Wagner P.	9RK	Norble, Herbert D.
9LV	Ehling, Fritz.	9OO	Semmelmeyer, Her- bert.	9RL	Saltmarsh, Eugene P.
9LW	Howard, Clyde M.	9OP	Sandifer, Robert.	9RM	Guthrie, Edwin P.
9LX	Leberman, Palmer K.	9OQ	Coultas, Charles.	9RO	Lethen, Edward.
9LY	Greene, Clark W.	9OR	Thomas, Martin.	9RP	Graf, Rudolph.
9LZ	Mason, Francis M., jr.	9OS	Rutt, Burnice L.	9RQ	Nelson, Carl H.
9MA	Smith, Lester M.	9OT	McKee, Charles R.	9RR	McCall, John A.
9MB	Andreas, Gerald T.	9OU	Pye, Harold.	9RS	Meyer, Walter A.
9MC	Michaels, J. J.	9OV	Richardson, David W.	9RT	Thomas, Herschel.
9MD	McClintock, Wm. S., jr.	9OW	Del Vecchio, Earl.	9RV	Huffman, Charles.
		9OX	Stevens, Harold D.	9RW	Burhop, Harold.

## AMATEUR RADIO STATIONS—Continued.

## NINTH DISTRICT—Continued.

## ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
9RX	Cummings, Murney.	9TV	Ostermeier, Cecil H.	9VM	Clark, M. Eugene.
9RY	McGuire, Donald D.	9TW	Anderson, Axel V.	9VN	Gelger, Hans F.
9RZ	Stone, Francis E.	9TX	La Rue, Harold.	9VO	Estling, David A.
		9TY	Pope, Franklin R.	9VP	Benson, Lester A.
98A	Brennan, Joseph D.			9VQ	Mason, Leroy E.
98D	Broughton, William G.	9UA	Wigton, Theron W.	9VR	Eilers, Werner.
98E	Schmidt, Otto G.	9UB	Huston, Paul E.	9VS	Diffenderfer, Davis A.
98F	Mehrholz, Irvin.	9UC	Loveless, Harry L.	9VT	Lawrence, Harley C.
98G	Komm, Paul M.	9UD	Diehl, Grant, jr.	9VU	Allman, John C.
98H	Burdick, Roy E.	9UE	Fels, Thomas W.	9VV	Messerly, Henry.
98I	Lowe, Meredith B.	9UG	Blakey, Millard.	9VW	Riedy, Walter L.
98J	Nolte, Edward F.	9UH	May, De Witt W.	9VX	Grossman, Eugene F.
98K	Waltz, Rudolph W.	9UI	Cottrell, Hale T.	9VY	Bauer, George D.
98L	Castleberry, Jewell.	9UJ	Neumann, Adalbert.	9VZ	Snarski, J. P.
98M	Engler, Robert J.	9UK	Graybill, Donald R.		
98N	Anderson, Virgil.	9UL	Cheyne, Tom L.	9WA	Coats, Roccoe J.
98O	Day, Harold E.	9UM	Erickson, Edward H.	9WB	Nolan, Guy P.
98P	Maxson, Rolland and Charles S.	9UN	Smith, Joe L.	9WC	Kannenstine, Fabian M.
		9UO	Hegge, Adolph.	9WD	Giese, R. C.
98Q	Rea, Richard.	9UP	Paetzold, William H.	9WE	Brandt, Erwin H.
98R	Hogan, Leo.	9UQ	Blood, Lester C.	9WF	Carter, George W.
98S	Schrage, Charles T.	9UR	Powers, Milton A.	9WG	Parks, Paul B.
98T	Roth, John.	9US	Woodford, Joe C.	9WH	Reynolds, Wm. D., jr.
98U	Seese, Tom G.	9UT	Hamilton, Leo L.	9WI	Kelley, Eugene V.
98V	Ruzek, Oscar E.	9UV	Hayes, James E. S.	9WJ	Struver, Harold W.
		9UW	Burkart, Louis J., jr.	9WK	Thomas, Carroll W.
		9UX	Bell, Fayette.	9WL	Bierbach, Werner.
9TA	Parnin, Ross.	9UY	Strock, Reeve O.	9WM	Smith, Stanley.
9TB	Koreah, George.	9UZ	Edwards, Austin N.	9WN	Ferdinand, Harry P.
9TD	Eisele, Edward J.			9WO	Garrett, Sherman S.
9TE	Girod, Earl.	9VA	Siegart, Walter.	9WP	McKeever, Thomas.
9TG	Fruit, Lester.	9VB	Bennett, Herbert P.	9WQ	Black, Harry N.
9TH	Liston, Earl.	9VC	Ziegenbein, Ralph W. L.	9WR	Burghardt, Douglas.
9TJ	Hancock, George T.			9WS	Patterson, Coy.
9TK	Jensen, Louis T.	9VD	Bitner, Robert E.	9WT	Kelley, Edward L.
9TM	Bonson, George W.	9VE	Littmann, Edwin R.	9WU	Church, Arthur B.
9TN	Mirgeler, Robert J.	9VG	Howard, L. Harde- man.	9WV	Hoffman, Erich A.
9TO	Cyr, Darrel J.			9WW	Smith, Raymond L.
9TP	Witcraft, Wilbur.	9VH	Scribner, Elmer B.	9WX	Kramer, Andrew W.
9TQ	Griggs, Fred W.	9VI	Beesley, Bernard J.	9WY	Barnickol, Carl R.
9TR	Turner, Orville H.	9VJ	Miller, Leland.	9WZ	Blue River Power Co.
9TS	Stansbury, Clinton.	9VK	Boardman, Horace C. and Clarence E.		
9TT	Loebe, Roy A.				
9TU	Gruda, Edgar.	9VL	Grafe, Harold.		

## APPENDIX.

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### TRANSMISSION OF TIME SIGNALS AND HYDROGRAPHIC INFORMATION BY NAVAL RADIO STATIONS.

The transmission of time signals to vessels at sea by means of radiotelegraphy was first accomplished in the United States in 1905, and this service, enlarged and extended, has continued to the present time. This service is of the greatest value to mariners, as it furnishes a means by which the time, as given by the transmitted signals, may be compared with a ship's chronometer and the error of the chronometer found. Similar comparisons over a number of days enable data to be obtained by which not only the error may be found but also the chronometer rate; that is, the rate at which it is gaining or losing.

The noontime signals on the Atlantic coast are sent out through the coast radio stations by connection with Western Union Telegraph lines from the United States Naval Observatory at Washington, D. C. By the operation of proper relays in electrical circuits, the beats of the seconds of a standard clock in the observatory are sent out broadcast as a series of radio dots, commencing five minutes before the time of the final signal. By omitting certain dots in a series, the comparison between the dots and the beats of the chronometer seconds can be checked until the instant of local noon (seventy-fifth meridian time) is reached. This is marked by a longer dot, which gives the time of exact noon. A comparison with the chronometer time at that instant gives its error referred to the seventy-fifth meridian time. Applying the difference in longitude, namely, five hours, between the seventy-fifth meridian and Greenwich, which is the standard meridian (or  $0^{\circ}$  longitude), the error of the chronometer referred to Greenwich time is determined.

Time signals are now sent out on the Atlantic coast only through the radio stations at Washington (NAA), Key West (NAR), and New Orleans (NAT). Signals from Washington and Key West are sent out every day in the year twice a day, viz, from 11.55 a. m. to noon and from 9.55 to 10 p. m., seventy-fifth meridian time. Time signals from New Orleans are sent out daily, including Sundays and holidays, commencing at 11.55 a. m., seventy-fifth meridian standard time, and ending at noon.

In case of failure of the Washington high-power station, the signals are sent out by the small set in the same station, and the stations at Boston, Newport, New York, Norfolk, and Charleston are notified, and they each send the signals broadcast.

On the Pacific coast the time signals are sent broadcast to sea through the naval radio stations at San Francisco (NPH), Eureka (NPW), Point Arguello (NPK), and San Diego, Cal. (NPL), and at North Head, Wash. (NPE). The controlling clock for each station is in the naval observatory at the Mare Island Navy Yard. Signals from San Francisco are sent out every day from 11.55 to noon, and from 9.55 to 10 p. m., one hundred and twentieth meridian standard time. Those from North Head, Eureka, Point Arguello, and San Diego are sent out daily, excluding Sundays and holidays, from 11.55 to noon, one hundred and twentieth meridian standard time.

On the Great Lakes the time signals are sent broadcast through the naval radio station at Great Lakes, Ill. (NAJ), daily from 10.55 a. m. to 11 a. m., ninetieth meridian standard time.

To get the maximum clearness of signals, the receiving circuit should be tuned to that of the sending station. Washington and San Francisco send on a 2,500-meter wave length, North Head and San Diego on a 2,000-meter wave length, Eureka on a 1,400-meter wave length, Great Lakes on a 1,512-meter wave length, Key West and New Orleans on a 1,000-meter wave length, and Point Arguello on a 750-meter wave length.

Information concerning wrecks, derelicts, ice, and other dangerous obstructions to navigation, whenever received from the Hydrographic Office or from a branch hydrographic office or other reliable source, is sent broadcast four times daily, viz, at 8 a. m., noon, 4 p. m., and 8 p. m., local (standard) time of station. Ships within range of a naval radio station should be prepared to receive these hydrographic messages at the hours mentioned and should avoid sending radio messages at these times. One vessel sending may prevent several others receiving information necessary to their safety.

Naval radio stations will furnish this information to passing vessels on request, whenever practicable, at other hours than those mentioned above. Should it not be practicable to send out this information on one of the hours scheduled it will be held until the next scheduled time and sent out as soon as practicable after each hour scheduled.

Each night at 10 o'clock, seventy-fifth meridian, immediately following the time signal, the naval radio station at Washington, D. C., will broadcast such information relating to safe navigation as may be furnished it by the Hydrographic Office during the preceding 24 hours. The same wave length, 2,500 meters, used in the time signal will be employed.

## TRANSMISSION OF WEATHER REPORTS BY NAVAL RADIO STATIONS.

Through cooperation with local offices of the United States Weather Bureau, weather forecasts are sent broadcast to sea through naval coast radio stations at certain times, varying with the locality. Coast stations are generally prepared to give local forecasts to passing vessels without charge, on request. Storm warnings are sent whenever received and the daily weather bulletins are distributed by the naval radio stations at Washington, D. C., and Key West, Fla., a few minutes after the 10 p. m. time signal. These bulletins consist of two parts.

The first part contains code letters and figures which express the actual weather conditions at 8 p. m., seventy-fifth meridian time, on the day of distribution, at certain points along the eastern coast of North America, one point along the Gulf of Mexico, and one at Bermuda.

The second part of the bulletin contains a special forecast of the probable winds to be experienced a hundred miles or so offshore, made by the United States Weather Bureau for distribution to shipmasters. The second part of the bulletin also contains warnings of severe storms along the coasts, as occasions for such warnings may arise.

Immediately following this bulletin, a weather bulletin for certain points along the Great Lakes is sent broadcast by the naval radio station at Washington, D. C., consisting of two parts. The first part contains code letters and figures which express the actual weather conditions at 8 p. m., seventy-fifth meridian time, on the day of distribution, at certain points along the Lakes. The second part of the bulletin contains a special forecast of the probable winds to be experienced on the Lakes, during the season of navigation—about April 15 to December 10.

The points for which weather reports are furnished are designated as follows: *For Atlantic coast and Gulf points*, S = Sydney, T = Nantucket, DB = Delaware Breakwater, H = Hatteras, C = Charleston, K = Key West, P = Pensacola, and B = Bermuda; *for points on the Great Lakes*, Du = Duluth, M = Marquette, U = Sault Ste. Marie, G = Green Bay, Ch = Chicago, L = Alpena, D = Detroit, V = Cleveland, and F = Buffalo.

All bulletins begin with the letters U S W B (United States Weather Bureau) and the weather conditions follow. The first three



figures of a report represent the barometric pressure in inches (002 = 30.02); the next figure, the fourth in sequence, represents the direction of the wind to the eight points of the compass: 1 = north, 2 = north-east, 3 = east, 4 = southeast, 5 = south, 6 = southwest, 7 = west, 8 = northwest, and 0 = calm. The fifth figure represents the force of the wind on the Beaufort Scale, given below.

*Beaufort Scale of wind force.*

Number and designation.	Statute miles per hour.	Nautical miles per hour.
0 Calm.....	0 to 3	0 to 2.6
1 Light air.....	8	6.9
2 Light breeze.....	13	11.3
3 Gentle breeze.....	18	15.6
4 Moderate breeze.....	23	20.0
5 Fresh breeze.....	28	24.3
6 Strong breeze.....	34	29.5
7 Moderate gale.....	40	34.7
8 Fresh gale.....	48	41.6
9 Strong gale.....	56	48.6
10 Whole gale.....	65	56.4
11 Storm.....	75	65.1
12 Hurricane.....	90 and over.	78.1 and over.

In order to simplify the code, no provision has been made for wind force greater than 9, strong gale, on the Beaufort Scale. Whenever winds of force greater than 9 occur, the number representing them is given in words instead of figures, thus: Ten, eleven, etc.

## EXAMPLES OF CODE.

U S W B S 96465 T 91674 DB 94686 H 99886 C 01214  
K 02622 P 03613 B 00065

*Translation.*

United States Weather Bureau.

Station.	Pressure.	Wind.	
		Direction. <sup>1</sup>	Force. <sup>1</sup>
Sydney.....	29.64	SW	5
Nantucket.....	29.16	W	4
Delaware Breakwater.....	29.46	NW	6
Hatteras.....	29.98	NW	6
Charleston.....	30.12	N	4
Key West.....	30.26	NE	2
Pensacola.....	30.36	N	3
Bermuda.....	30.00	SW	5

<sup>1</sup> See Beaufort Scale.

U S W B Du 95826 M 97635 U 00443 G 96046 Ch 95667  
 L 00644 D 00842 V 01054 F 01656

*Translation.*

United States Weather Bureau.

Station.	Pressure.	Wind.	
		Direction.	Force. <sup>1</sup>
Duluth.....	29.58	NE*	6
Marquette.....	29.76	E	5
Sault Ste. Marie.....	30.04	SE	3
Green Bay.....	29.60	SE	6
Chicago.....	29.56	SW	7
Alpena.....	30.06	SE	4
Detroit.....	30.08	SE	2
Cleveland.....	30.10	S	4
Buffalo.....	30.16	S	6

<sup>1</sup> See Beaufort Scale.

The naval radio station at Great Lakes, Ill., transmits a weather bulletin at 10 a. m. and 10 p. m., ninetieth meridian time, daily, on a wave length of 1,512 meters. This bulletin is similar to the second bulletin sent out by Washington station, and is for the States of Illinois, Missouri, Iowa, Minnesota, North Dakota, South Dakota, Nebraska, Kansas, Wisconsin, and also for the upper lakes. Storm warnings are sent out as soon as received and broadcasted every four hours the next day.

## 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 . _ _	Period . . . . .	.. . . .
B _ _ . . .	Semicolon . . . . .	— . . . .
C _ . . . .	Comma . . . . .	. _ . . . .
D _ _ . .	Colon . . . . .	— . . . . .
E . . . . .	Interrogation . . . . .	. . . . .
F . . . . .	Exclamation point . . . . .	— . . . . .
G _ _ . . .	Apostrophe . . . . .	. _ . . . . .
H . . . . .	Hyphen . . . . .	— . . . . .
I . . . . .	Bar indicating fraction . . . . .	— . . . . .
J . _ _ _ _	Parenthesis . . . . .	. _ . . . . .
K _ . . . .	Inverted commas . . . . .	. _ . . . . .
L . . . . .	Underline . . . . .	. . . . .
M _ _ . . .	Double dash . . . . .	— . . . . .
N _ . . . .	Distress Call . . . . .	. . . . .
O _ _ . . .	Attention call to precede every transmission . . . . .	. . . . .
P . _ . . .	General inquiry call . . . . .	— . . . . .
Q _ . . . .	From (de) . . . . .	— . . . . .
R . . . . .	Invitation to transmit (go ahead) . . . . .	. . . . .
S . . . . .	Warning—high power . . . . .	— . . . . .
T _ . . . .	Question (please repeat after . . . . .)—interrupting long messages . . . . .	. . . . .
U . . . . .	Wait . . . . .	. . . . .
V . . . . .	Break (Bk.) (double dash) . . . . .	— . . . . .
W . _ . . .	Understand . . . . .	. . . . .
X . . . . .	Error . . . . .	. . . . .
Y _ . . . .	Received (O. K.) . . . . .	. . . . .
Z _ . . . .	Position report (to precede all position messages) . . . . .	— . . . . .
	End of each message (cross) . . . . .	. . . . .
	Transmission finished (end of work) (conclusion of correspondence) . . . . .	. . . . .
<hr/>		
Ä (German)		
Á or Å (Spanish-Scandinavian)		
CH (German-Spanish)		
É (French)		
Ñ (Spanish)		
Ö (German)		
Ü (German)		
<hr/>		
1 . _ _ _ _		
2 . . . . .		
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## LIST OF ABBREVIATIONS TO BE USED IN RADIO COMMUNICATION.<sup>1</sup>

Abbreviation.	Question.	Answer or notice.
C Q	- . . . - . . . -	Signal of inquiry made by a station desiring to communicate.
T R	- . . .	Signal announcing the sending of particulars concerning a station on shipboard (Art. XXII).
(!)	- - - . . . - -	Signal indicating that a station is about to send at high power.
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.  . . . . . for adjustment?	I am receiving badly. Please send 20.  . . . . . 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.

<sup>1</sup> When an abbreviation is followed by a mark of interrogation, it refers to the question indicated for that abbreviation.

## LIST OF ABBREVIATIONS TO BE USED IN RADIO COMMUNICATION—Continued.

Abbreviation.	Question.	Answer or notice.
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?.....	The tone is bad.
	Is my spark 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.
		Transmission will be in series of 5 messages.
QSH		Transmission will be in series of 10 messages.
QSJ	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 <sup>1</sup>	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.

<sup>1</sup> Public correspondence is any radio work, official or private, handled on commercial wave lengths.

























































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