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UNIVERSITY OF ILLINOIS

DEPARTMENT OF COMMERCE

BUREAU OF NAVIGATION

RADIO SERVICE

RADIO STATIONS OF THE UNITED STATES

EDITION JULY 1, 1914



WASHINGTON GOVERNMENT PRINTING OFFICE 1914

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621.363 Un3ra 16

CONTENTS.

PART I.	Page.
List of land stations arranged alphabetically by name (usually the name of the city or town), including commercial stations, special stations, stations of the Army and Navy, and all stations other than restricted or general amateur, giving the following information: Call signals, wave lengths, nature of service, hours of operation, and by whom station is controlled	1(
List of ship stations, including merchant vessels, yachts, vessels of the Army, Navy, and Revenue-Cutter Service, arranged alphabetically by the name of the ship, and giving the following information: Call letters, wave lengths,	
nature of service, owner of vessel (line), and by whom station is controlled List of all United States call signals (other than general and restricted amateur) arranged alphabetically, each followed by the name of the ship or land station	22
to which the call has been assigned	55
PART II.	
List of amateur stations licensed up to June 30, 1914, arranged according to radio districts, with the headquarters and territorial limits of each district. The first section of the list of stations for each district gives the names of owners in alphabetical order, followed by the second section giving a list of call signals in alphabetical order. The first sections give the following information: Call signal, owner of station, location of station, power in watts	
DISTRICTS (HEADQUARTERS IN PARENTHESES).	
First (Boston, Mass)	80 90
Second (New York, N. Y.)	103
Fourth (Savannah, Ga.).	117
Fifth (New Orleans, La.).	119
Sixth (San Francisco, Cal.)	120
Seventh (Seattle, Wash.)	135
Eighth (Cleveland, Ohio)	138
Ninth (Chicago, Ill.)	150
3	

NOTES.

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.

Assn. = Association.

 ${\bf Corp. = Corporation.}$

Nav. = Navigation.

Transp. = Transportation.

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

U. S. R. C. S.=United States Revenue-Cutter Service.

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 circular of April 1, 1914. 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.

B.....All to Great Britain.

CAA to CEZ..Chile. CFA to CMZ..Not yet assigned.

CNA to CNZ. . Morocco.

COA to COZ..Not yet assigned.

CPA to CPZ...Bolivia.

CQA to CQZ...Monaco.

CRA to CTZ...Portugal and colonies.

CUA to CUZ..Not yet assigned.

CVA to CVZ...Roumania.

CWA to CWZ. Uruguay.

CXA to CZZ...Not yet assigned.

D......All to Germany and protectorates.

EAA to EGZ.. Spain and colonies. EHA to EZZ.. Not yet assigned.

FAll to France and colonies.	PNA to PZZBrazil.
GAll to Great Britain.	Q Reserved for code abbre
HAA to HFZ. Austria-Hungary and Bos-	viations.
nia-Herzegovina.	RAll to Russia.
HGA to HHZSiam.	SAA to SMZSweden.
HIA to HIZ. Dominican Republic.	SNA to STZBrazil.
HJA to HKZ Colombia (Republic).	SUA to SUZEgypt.
HLA to HZZNot yet assigned.	SVA to SZZGreece.
IAll to Italy and colonies.	TAA to TMZTurkey.
JAll to Japan and posses-	TNA to TZZNot yet assigned.
sions.	UAA to UMZ. France and colonies.
KAA to KCZGermany and protecto-	UNA to UZZ Austria-Hungary and Bos-
rates.	nia-Herzegovina.
KDA to KZZ United States.	VAA to VGZ Canada (British).
LAA to LHZ Norway.	VHA to VKZAustralian Federation
LIA to LRZArgentine Republic.	(British).
LSA to LWZNot yet assigned.	VLA to VMZ New Zealand (British).
LXA to LZZBulgaria.	VNA to VNZ South African Union
MAll to Great Britain.	(British).
NAll to the United States.	VOA to VOZ Newfoundland (British).
OAA to OFZ Not yet assigned.	VPA to VSZBritish colonies not au-
OGA to OMZ Austria-Hungary and Bos-	tonomous.
nia-Herzegovina.	VTA to VWZBritish India.
ONA to OTZBelgium and colonies.	VXA to VZZ Great Britain.
OUA to OZZDenmark.	WAll to the United States.
PAA to PIZNetherlands.	XAA to XDZMexico.
PJA to PJMCuração (Dutch).	XEA to XZZ Not yet assigned.
PJN to PJZSurinam (Dutch).	YAA to YZZ Not yet assigned.
PKA to PMZDutch East Indies.	ZAA to ZZZNot yet assigned.
PKA to PMZDutch East Indies.	ZAA to ZZZNot yet assigned.

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 will be 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) will be 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, must not be 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.
- 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.
- 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. CLEVELAND, OHIO.....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, which will probably suffice for the amateur sending stations in most districts for some time to come.
- (c) Radio inspectors will insert amateur station calls in station licenses according to this system, and will 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 were 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) If 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 should 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 will be 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 communications, technical and training school stations, and special amateur stations will be 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, of course, 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 pamphlet 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 given in francs, but may be converted into dollars and cents by multiplying by five. 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.

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

Neither the international list nor the supplements will 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:

WILLIAM C. REDFIELD, Secretary.

PART I.

LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS.

[This list includes commercial, special, Army, Navy, and all other land stations except restricted and general amateur. The special land stations are grouped at the end of this list.]

Station.	Call signal.	Wave lengths.	Serv- ice.	Hours of operation.	Station controlled by-
Annapolis, Md	NAK		0	8 a. m. to 10 p. m.	U. S. Navy.
Arlington, Radio, Va.	NAA		o	N	U. S. Navy.
Ashtabula, Ohio	WSA	300, 600	PG	6.30 a. m. to 6 p. m.	Marconi Co.
Astoria, Oreg	KPC	300, 600	PG	N	Marconi Co.
Avalon, Cal	KPI	300, 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		0	N	U. S. Navy.
Belmar, N. J	WII				Marconi Co.
Benton Harbor, Mich.	WBN				Marconi Co.
Binghamton, N. Y	WBT	1610	PR	х	D., L. & W. R. R. Co.
Bolinas, Cal	KET				Marconi Co.
Boston, Mass	WCH	300, <i>600</i> , 1610, 2000, 2400, 2800	P	х	Nat. Elec. Signal- ing Co.
Boston, Mass	WBF	300, 600	PG	N	Marconi Co.
Boston, Mass	NAD		0	N	U. S. Navy.
Bremerton, Wash. See Puget Sound.					
Brooklyn, N. Y	WCG	300, 600, 1610, 2000, 2400, 2800	PR	4 a. m. to 9 p. m.	Nat. Elec. Signal- ing Co.
Buffalo, N. Y	WBL	300, 600	PG		Marconi Co.
Burrwood, La	wbw	·			Tropical Radio Telegraph Co.
Calumet, Mich	WCM	l			Marconi Co.

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

Station.	Call signal	Wave lengths.	Serv- ice.	Hours of operation.	Station controlled by—
Cape Blanco, Oreg	NPF	600	PG	N	U. S. Navy.
Cape Cod, Mass	NAE		0	N	U. S. Navy.
Cape Hatteras (Buxton), N. C.	WHA	300, 600	PG	N	Marconi Co.
Cape May, N. J	WCY	300, 600	PG	N	Marconi Co.
Cavite, P. I	NPO		0	N	U. S. Navy.
Charleston, S. C	NAO	600	PG	N	U. S. Navy.
Chicago, Ill	WGO	300, 600	PG	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 naviga- tion.	
Chignik, Alaska	KHC				Marconi Co.
Circle City, Alaska	WVA	600, 1400	0		U. S. Army.
Clarks Point, Alaska	KHG				Marconi Co.
Cleveland, Ohio	wcx	300, 600	PG		Marconi Co.
Colon, Panama	NAX	600	PG	N	U. S. Navy.
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.
Davao, Mindanao Isld., P. I.	wvo	600, 1200	PG	7 a. m. to 6 p. m.	U. S. Army.
Detroit, Mich	WDR	300, 600	PG	7 a. m. to 11.30 a. m.; 12.30 p. m. to 6.00 p. m.; 7 p. m. to 11 p. m.; midnight to 6 a.m.	Marconi Co.

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

Station.	Call signal.	Wave lengths.	Serv- ice.	Hours of operation.	Station controlled by—
Diamond Shoals Lightship (off Cape Hatterss, N. C.).	NLB		0	6 a. m. to 10 p. m.	U. S. Navy.
D., L. & W. R. R. lim- ited train.	WBI				D., L. & W. R. R.
Douglas, Ariz	KDC	300. 600	P	10 a. m. to 11 a. m.; 4 p. m. to 5	Copper Queen Consolidated Mining Co.
Dover, N. J	WBX			p. m.	D., L. & W. R. R.
Duluth, Minn	WDM	300, 600	PG	Apr. 15 to Dec. 15: N, ex- c e p t from 6 a. m. to 7 a. m.; 12 noon to 1 p. m.; 6p. m. to 7 p. m. Dec. 15 to Apr. 15: 7 a. m. to 7 p. m., ex- c e p t from 12 noon to 1 p. m.	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.
Ellamar, Alaska	KIS				Marconi Co.
El Paso, Tex	WEP	2000, 2500, 2900. 3500	PR	6 a. m. to 7 p. m.	Federal Telegraph Co.
Ensenada, P. R	WPR				Guanica Centrale.
Eureka, Cal	KPM				Marconi Co.
Eureka, Cal	NPW	600	PG	N	U. S. Navy.
Fairbanks, Alaska	wvb	600, 1400	PG		U. S. Army.
Farallons, Cal	NPI		0	N	U. S. Navy.
Fire Island, N. Y	NAG	 	0	N	U. S. Navy.
Fort Andrews, Mass.	WUA		0		U. S. Army.

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

Station.	Call signal.	Wave lengths.	Serv- ice.	Hours of operation.	Station controlled by-
Fort De Russy, Ha- waii.	WZG		0		U. S. Army.
Fort Drum, El Fraile Isld., Manila Bay, P. I.	WVP		0		U. S. Army.
Fort Egbert, Eagle, Alaska.	wvc	600, 1400	0		U. S. Army.
Fort Frank, Carabao Isld., Manila Bay, P. I.	WVL		0		U. S. Army,
Fort Gibbon, Tanana, Alaska.	WVD	1600, 2000	0		U. S. Army.
Fort Hancock, N. J	WUB		0		U. S. Army.
Fort H. G. Wright, N. Y.	wuc		0		U. S. Army.
Fort Hughes, Caballo Isld., Manila Bay, P. I.	WVM		0		U. S. Army.
Fort Leavenworth, Kans.	WUD	1800	o		U. S. Army.
Fort Leavenworth, Kans. (Army Sig- ual School).	wuv		o		U. S. Army.
Fort Levett, Me	WUE		0		U. S. Army.
Fort Mills, Corregi- dor Isld., Manila Harbor, P. I.	WVN		0		U. S. Army.
Fort Monroe, Va	WUF		o		U. S. Army.
Fort Monroe, Va. (Coast Artillery School).	WUG		0		U. S. Army.
Fort Morgan, Ala	WFM				Marconi Co.
Fort Omaha, Nebr	WUH	1600	0		U. S. Army.
Fort Riley, Kans	WUI	1200	o		U. S. Army.
Fort Sam Houston, Tex.	WUJ	650	o		U. S. Army.
Fort Shafter, Hono- lulu, Hawaii.	WZH	300	0		U. S. Army.
Fort Stevens, Oreg	WUK		0		U. S. Army.

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

Station.	Call signal,	Wave lengths.	Serv- ice.	Hours of operation.	Station controlled by—
Fort St. Michael, St. Michael Isld., Alaska.	WVE	600, 1200	PG	9 a. m. to 9 p. m.	U. S. Army.
Fort Terry, N. Y	wuw	1200	0		U. S. Army.
Fort Totten, N. Y	WUL		0		U. S. Army.
Fort Winfield Scott, Cal.	wuo		0		U. 8. Army.
Fort Wint, Grand Isld., Manila Bay, P. I.	WVR		0		U. S. Army.
Fort Wm. McKinley, Luzon Isld., P. I.	wvq	600	0		U. S. Army.
Fort Wood, N. Y	WUM		0		U. S. Army.
Fort Worden, Wash	WUN		0		U. S. Army.
Fort Worth, Tex	WFF	2000, 2500, 2900, 3500	PR	6 a. m. to 6 p. m.	Federal Telegraph Co.
Frankfort, Mich	WFK	300, 600			Marconi Co.
Friday Harbor, Wash.	KPD	300, 600	PG	7 a. m. to 2.30 a. m.	Marconi Co.
Frying Pan Shoals Lightship (off Cape Fear, N. C.)	NLC		0	6 a. m. to 10 p. m.	U. S. Navy.
Galveston, Tex	WGV	300, 600	PG	7 a. m. to 11 p. m.	Marconi Co.
Grand Haven, Mich	WGH	300, 600	PR		Marconi Co.
Grand Marais, Minn	WGM	300, 600	PR		Marconi Co.
Guam, Marianne Islds., Pacific Ocean.	NPN	600	PG	N	U. S. Navy.
Guantanamo Bay, Cuba.	NAW	600	PG	N	U. S. Navy.
Hatteras, N. C. See Cape Hatteras.					
Heeia Point, Hawaii	кнх	300, 600, 3000, 3500, 5500, 8000, 10000, 12000	PR	N	Federal Telegraph Co.
Hillcrest, Cal	крн	300, 600	PG	N	Marconi Co.
Hoboken, N. J	WBU		ļ		D., L. & W. R. R.

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

Station.	Call signal.	Wave lengths.	Serv- ice.	Hours of operation.	Station controlled by—
Hollister (near), Cal	KGH	300, 600, 1700	PR	х	George Hewlett (Inc.).
Honolulu, Hawaii	NPM		0	N	U. S. Navy.
Isle Royal, Mich	WRO	300, 600			Marconi Co.
Jacksonville, Fla	WJX	300, 600	PG	5.30 a. m. to mid- night.	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				Marconi Co.
Juneau, Alaska	KDU				Marconi Co.
Jupiter, Fla	NAQ	600	PG	N	U. S. Navy.
Kahuku, Hawaii	KIE				Marconi Co.
Kahuku, Hawaii	кнк				Mutual Telephone Co. (Ltd.).
Karluk, Alaska	KHA				Marconi Co.
Kaunakakai, Hawaii .	кно	300, 450	PR	x	Mutual Telephone Co. (Ltd.).
Kawaihae, Hawaii	KHN	300, 600			Mutual Telephone Co. (Ltd.).
Ketchikan, Alaska	K P B				Marconi Co.
Key West, Fla	NAR	600	PG	N	U. S. Navy.
Kodiak, Alaska	NPS	600	PG	N	U. S. Navy.
Kogiung, Alaska	кнв		,		Marconi Co.
Koko Head, Hawaii	KHJ				Marconi Co.
Koko Head, Hawaii	KIE				Marconi Co.
Kotlik, Alaska	WVF	600	PG	9 a. m. to 9 p. m. during season of navi- gation only.	U. S. Army.
"Lackawanna Limited." See D., L. & W. R. R. limited train.				*	
Lahaina, Hawaii	KHL	300, 600	PG		Mutual Telephone Co. (Ltd.).

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

Station.	Call signal.	Wave lengths.	Serv- ice.	Hours of operation.	Station controlled by—
Lihue, Hawaii	кнм	300, 600	PG		Mutual Telephone Co. (Ltd.).
Los Angeles, Cal	KEX	300, 600	P	9 a. m. to 5 p. m.	Marconi Co.
Los Angeles, Cal	KLS		 I		Federal Telegraph
Ludington, Mich	WLD	300, 600	PG	7 a. m. to 6 p. m.; 7 p. m. to 6 a.m. Apr. 15 to Dec. 15 only.	Marconi Co.
Mackinac Island, Mich.	WHQ	ļ			Marconi Co.
Malabang, Minda- nao Isld., P. I.	WVT	600, 1200	PG	7 a. m. to 7.30 p. m.	Insular Govt., Phil- ippine Islds.
Manila, P. I	wvu	600	0		U. S. Army.
Manistique, Mich	WMX				Marconi Co.
Manitowoc, Wis	WMW	300, 600	PG	8 a. m. to 11.20 a.m.; 2.30 p. m. to 6 p. m.; 7.30 p. m. to 9 p. m.	Marconi Co.
Mare Island, Cal	NPH		0	N	U. S. Navy.
Marshall, Cal. See Bolinas, Cal.					
Marshfield, Oreg	KPX	300, 435, 600	PG	8 a. m. to 6 p. m.	Marconi Co.
Miami, Fla	WST	300, 600, 1800	PG	N	Marconi Co.
Milwaukee, Wis	WME	300, 800	PG	1.30 a. m. to 6 a. m.; 7 a. m. to 12.30 p.m.; 1.30 p. m. to 6 p. m.; 7 p. m. to 12.30 a.m.	Marconi Co.
Mobile, Ala	WMB	300, 600	PG	7 a. m. to 9 a. m.; 10 a. m. to noon; 2 p. m. to 6 p. m.	Marconi C2.
Naknek, Alaska	кнт				Marconi Co.
Nantucket Shoals Lightship (off Newport, R I.).	NLA		o	4 a. m. to midnight	U. S. Navy.

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

Station.	Call signal.	Wave lengths.	Serv- ice.	Hours of operation.	Station controlled by—
New Brunswick, N. J. See Bel- mar, N. J.					
New London, Conn.	NRZ	300, 600	10	X	U. S. R. C. S.
New London, Conn.	WLC	300, 510, 600, 1610, 1700, 1800, 1900, 2000.	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	7 a. m. to 11 p. m.	Marconi Co.
New Orleans, La	WNU				Tropical Radio Tel- egraph Co.
Newport, R. I	NAF		o	N	U. S. Navy.
Newport, R. I	WCI	300, 400, 500, 600.	PG	7 p. m. to 5 a. m.	Nat. Elec. Signal- ing Co.
Newton, Mass	WLN	300, <i>600</i> , 1650, 2000.	PR	X	Ralph C. Emery.
New York, N. Y	NAH		0	N	U. S. Navy.
New York, N. Y	WHB	300, 600, 1610	PG	N	N. Y. Herald Co.
New York, N. Y	WHD				N. Y. City Fire Dept.
New York, N. Y	WHI	300, 600	PG	N	Marconi Co.
New York, N. Y	WNT	300, 600, 1800	PG	N	Atlantic Communi- cation Co.
Nome, Alaska	WVG	600, 2000	PG	9 a. m. to 9 p. m.	U. S. Army.
Norfolk, Va	NAM	 	0	N	U. S. Navy.
North Head, Wash	NPE	600	PG	N -	U.S. Navy.
Nulato, Alaska	wvh	2000	0		U. S. Army.
Nushagak, Alaska	KHF				Marconi Co.
Olongapo, P. I	NPT		0	N	U. S. Navy.
Peking, China	NPP		0	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.

 $^{^1}$ This station will accept general public service in emergencies, when open. 54773 $^\circ-14---2$



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

Station.	Call signal.	Wave lengths.	Serv- ice.	Hours of operation.	Station controlled by—
Philadelphia, Pa	WHE	300, 600, 1610	PG	N	Marconi Co.
Philadelphia, Pa	NAI		0	N	U. S. Navy.
Phoenix, Ariz	KHQ				Federal Telegraph Co.
Point Arguello, Cal	NPK	600	PG	N	U. S. Navy.
Port Arthur, Tex	WRU	300, <i>600</i>	PG	6.30 a.m. to 7.30 a.m.; 9.30 a.m. to 10.30 a.m; 2.30 p. m. to 3.30 p.m.; 4.30 p.m. to 5.30 p.m.; 7 p.m. to 8 p.m. to 8	Marconi Co.
Portland, Me	NAB		0	8 a. m. to 10 p. m.	U. S. Navy.
Portsmouth, N. H	NAC		0	N	U. S. Navy.
Puerto Princesa, Paragua, P. I.	wvv	600, 1200	PG	7 a. m. to 6 p. m.	Insular Govt., Phil- ippine Islds.
Puget Sound, Wash	NPC		0	N	U. S. Navy.
River Rouge, Mich. See Detroit, Mich.			,		
Sagaponack, N. Y	wsk	300, 600	PG	N	Marconi Co.
San Diego, Cal	KSD		ļ		Federal Telegraph Co.
San Diego, Cal	NPL	600	PG	N	U. S. Navy.
San Francisco, Cal	KFS	300, 600, 3000, 3500, 3700, 3800	PR	N	Federal Telegraph Co.
San Francisco, Cal. See Hillcrest.			ļ		Marconi Co.
San Jose, Mindoro Isld., P. I.	WVY	600	PG	7 a. m. to 6.15 p. m.	Insular Govt., Phil- ippine Islds.
San Juan, P. R	NAU	600	PG	N	U. S. Navy.
San Luis Obispo, Cal.	KDN	300, 600	PG	8.30 a. m. to noon; 1.30 p.m. to 5 p.m.; 7.30 p.m. to 10 p.m.	Marconi Co.
San Pedro, Cal. See East San Pedro.				10.20 p.a	

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

Station.	Call signal.	Wave lengths.	Serv- ice.	Hours of operation.	Station controlled by-
Savannah, Ga	wsv	300, 600	PG	6 a. m. to midnight.	Marconi Co.
Sayville, N. Y	WSL	300, 600, 2740	PG	N	Atlantic Communi- cation Co.
Sayville, N. Y	WSL	2480, 2740, 3600, 4800, 8000.	PR	x	Atlantic Communi- cation Co.
Scranton, Pa	WTP			.,	D., L. & W. R. R. Co.
Sea Gate, N. Y	WSE	300, 600	PG	N	Marconi Co.
Seattle, Wash	KPA	300, 600	PG	N	Marconi Co.
Siasconset, Mass	WSC	300, 600	PG	N	Marconi Co.
Sitka, Alaska	NPB	600	PG	N	U. S. Navy.
South San Francisco, Cal.	KSS	300, 600, 3000, 3500, 5000, 8000,10000, 12000.	PR	N	Federal Telegraph Co.
South Wellfleet, Mass.	WCC	300, 600, 2040	PG	N	Marconi Co.
St. Augustine, Fla	NAP	600	PG	N	U. S. Navy.
St. George, Pribilof Islds., Alaska.	NPY	600	0	X	U. S. Navy.
St. Paul, Pribilof Islds., Alaska.	NPQ	600	PG	N	U. S. Navy.
Tampa, Fla	WPD	300, 600	PG	June 1 to Sept. 30: 7a. m. to 10a. m.; noon to 3 p. m; 6 p. m. to 8 p. m. Oct. 1 to May 31: 7a. m. to 1 a. m.	Marconi Co.
Tatoosh, Wash	NPD	600	PG	N	U. S. Navy.
Tuckerton, N. J	WGG				\$.
Tutuila, Samoa	NPU	600	PG		U. S. Navy.
Unalga, Alaska	NPV	600	PG	N	U. S. Navy.
Virginia Beach, Va	WSY	300, 600	PG	N	Marconi Co.
Washington, D. C. (Navy Yard).	NAL		0	N	U. S. Navy.
Washington, D. C. (U. S. Capitol).	NZY	250, 650, 1000	0	x	Supt. U. S. Capitol Building and Grounds.

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

Station.	Cali signal.	Wave lengths.	Serv- ice.	Hours of operation.	Station controlled by-
Washington, D. C. (Army Signal Corps Laboratory).	WUP		0		U. S. Army.
Washington, D. C. (Bureau of Standards).	WUQ		0		U. S. Army.
Wrangell, Alaska	WVJ	300, 600	PG	9 a. m. to 9 p. m.	U. S. Army.
Zamboango, Minda- nao Isld., P. I.	wvw	600, 1200	PG	7 a. m. to 7.30 p.m.	Insular Govt., Phil ippine Islds.

SPECIAL STATIONS, ALPHABETICALLY BY NAMES OF STATIONS.

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

Alameda, Cal	6XS	300, 600*	P	x	Hugh R. Sprado.
Ames, Iowa	9YI	300*	P	x	Iowa State College of Agriculture and Mechanic Arts.
Ameebury, Mass	1XA	300, 600*	P	X	Wireless Specialty Apparatus Co.
Ann Arbor, Mich	8XA	450, 600	P	X	University of Michigan.
Atlanta, Ga	4XG	300*	P	x	Georgia School of Technology.
Beloit, Wis	9XB	(*)	P	x	Beloit College.
Berkeley, Cal	6XB	200-3000*	P	X	University of California.
Berkeley, Cal	6XR	300, 600*	P	x	Frank Rieber.
Boston, Mass	1XB	300, 600*	P	x	Wireless Specialty Apparatus Co.
Boston, Mass	1XH	300, 400, 600*	P	x	Holtzer-Cabot Elec- tric Co.
Cambridge, Mass	1XP	300, 550, 600	P	X	George W. Pierce.
Cambridge, Mass	1YH	300, 550, 600*	P	x	Harvard University.
Charleston, S. C	4YC	300, 600	P	x	"The Citadel" (8. C. Military Academy).
Chelsea, Mass	1XC	300, 600, 700*	P	x	Wm. J. Murdock Co.
Columbia University, N. Y. City.	2XM	600,1845,2220, 2630	P	x	John H. Morecroft.

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

SPECIAL STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—continued.

Station.	Call signal.	Wave lengths.	Serv- ice.	Hours of operation.	Station controlled by-	
Detroit, Mich	8YD	300, 400, 600	P	9a. m. to 3 p. m.; 7 p. m. to 9 p. m.	Wm. J. Meisen heimer.	
Friendship Heights, D. C.	3ZF	200, 250	P	X	John V. Purssell.	
Gloucester, Mass	1XI				John Hays Ham mond, jr.	
Grand Forks, N. Dak.	9YN	500-730*	P	x	University of North Dakota.	
Hyattsville, Md	3XR	300, 400, 600*	P	x	J. Harris Rogers.	
Kansas City, Mo.1	9XH	(*)	P	x	Harry D. Betz.	
Key West, Fla	4XA	200, 600	P	x	George W. Almour.	
Los Angeles, Cal	6XL	300, 485, 510, 600*	P	x	Y. M. C. A.	
Los Angeles, Cal	6YL		P	x	High School.	
Memphis, Tenn	5XC	482, 500, 550, 600	P	x	Christian Brother College.	
Memphis, Tenn	5ZD	600	P	x	C. B. De La Hunt.	
Minneapolis, Minn	9ZE	200*	P	x	Philip E. Edelman	
New Bedford, Mass	1 Z O	200, 300*	P	x	Lester I. Jenkins.	
New York, N. Y	2XH	300, 600, 800*	P	x	Walter G. Hudson.	
New York, N. Y	2XN	300, 600*	P	х	Alfred N. Gold- smith (College of the City of New York).	
New York, N. Y. See Columbia University.	2XM					
Nutley, N. J	2ZH	200,300,450,600	P	x	Arthur A. Hebert.	
Oakland, Cal	6XC	300, 550, 600*	P	x	Lewis M. Clement	
Oakland, Cal	6YE	300, 500, 600	P	x	Ellery W. Stone.	
Oakland, Cal	6XT	300, 600, 800*	P	x	Howard H. Tremble	
Philadelphia, Pa	3XC	300, 480, 600*	P	x	Frank B.Chambers	
Philadelphia, Pa	3XJ	300, 500, 600	P	x	St.Joseph's College	
Pittsfield, Mass	1XG	600*	P	x	General Electric Co	

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

SPECIAL STATIONS, ALPHABETICALLY BY NAMES OF STATIONS—Continued.

Station.	Call signal.	Wave lengths.	Serv- ice.	Hours of operation.	Station controlled by—
Quarantine, Curtis Bay, Md.	3ZR	300, 600	P Sunrise to suns et and until 10 p. m.		Thomas L. Richardson.
Riverdale, Md	3ZD				Frank A. DeGroot.
San Diego, Cal	6Y8	300, 500, 600	P	x	Southern Elec- trical Co.
San Francisco, Cal	6XA	300, 600*	P	x	Howard G. Ayls- worth.
San Francisco, Cal	6XH	600*	P	x	Wm. W. Hanscom.
Savannah, Ga	4XL	300, 460, 560, 600**	P	x	Claude A. Lewis and Manning White.
Slingerlands, N. Y	2XD	200, 400, 500, 900, 2000,5000	P	x	Burr V. Deitz.
St. Davids, Pa	3Z 8	300, 450, 600	P	x	Chas. H. Stewart.
St. Louis, Mo	9YC		P		Christian Brothers College.
Steamship "Tyler"	2XT		P	x	D. G. McCaa.
Summit, N. J	2XW	600*	P	x	Frank N Waterman.
Takoma Park, Md	3XB	300, 450, 500, 600, 800, 900, 1100	P	х	Bliss Electrical School.
Valparaiso, Ind	9XD	300, 600*	P	x	Dodge's Institute of Telegraphy.
Washington, D. C	3ZH		P		H. B. DeGroot.
Watchaug Pond, R. I.	1XW				Ralph C. Watrous.

SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS.

[This list includes stations on merchant vessels, yachts, vessels of the Army, the Navy, and the Revenue-Cutter Service.]

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Abarenda	NOB	600	PG	Government	U. S. Navy.
Acushnet	NRU	300	PG	do	U. S. R. C. S.
Adeline Smith	WHS		ļ	Inter-Ocean Transp. Co.	85

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

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Admiral Dewey	WAY	300, 600	PG	Pacific-Alaska Nav. Co	Marconi Co.
Admiral Evans	WAB	300, 600	PG	Alaska-Pacific S. S. Co	Marconi Co.
Admiral Farragut.	WAF			Pacific-Alaska Nav. Co	
Admiral Sampson.	WAS	300, 600	PG	Alaska-Pacific S. S. Co	Marconi Co.
Admiral Schley	WAZ	300, 600	PG	Pacific-Alaska Nav. Co	Marconi Co.
Admiral Watson	WAW	300, 600	PG	Alaska-Pacific S. S. Co	Marconi Co.
Advance	KMV	300, 600	PG	Panama R. R. Co	Atlantic Com- munication Co.
Adventuress	KYV			John Borden	
A. G. Lindsay	WNO			Pacific-American Fisheries.	
Ajax	NBH	300, 600	PG	Government	U. S. Navy.
Alabama	WFB	300, 600	PG	Goodrich Transit Co	Marconi Co.
Alabama	KSX	300, 600	PG	Baltimore Steam Pack- et Co.	Marconi Co.
Alabama	NBI	300, 600	PG	Government	U. S. Navy.
Alameda	WAA	300, 600	PG	Alaska S. S. Co	Marconi Co.
Alamo	KEJ	300, 600	PG	Mallory S. S. Co	Marconi Co.
Alaekan	WKA	300, 600	PG	American-Hawaiian S.S. Co.	Atlantic Com- munication Co.
Albany	NBJ	300, 600	PG	Government	U. S. Navy.
Albatross	NQY	300, 600	PG	do	U. S. Navy.
Alert	NBL	300, 600	PG	do	U. S. Navy.
Algonquin	KVG	300, 600	PG	Clyde S. S. Co	Marconi Co.
Algonquin	NRA	300, 600	PG	Government	U. S. R. C. S.
Al-Ki	WNK	300, 600	PG	H. C. Strong	Marconi Co.
Alliança	KMA	300, 600	PG	Panama R. R. Co	Marconi Co.
Alliance	WRV			Cal. & Oreg. Coast S. S. Co.	
Aloha	күн			Arthur Curtiss James	
Alvina	WEY			Thomas F. Cole	
America	KNZ			Brooklyn & Manhattan Ferry Co.	

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

Vessel.	Call aignal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
American	WKF	300, 600	PG	American-Hawaiian S.S. Co.	Atlantic Com- munication Co.
Ammen	NBP	300, 600	PG	Government	U. S. Navy.
Amphitrite	NHG	300, 600		do	
Ancon	KMS	300, 600	PG	Panama R. R. Co	Atlantic Com- munication Co.
Androscoggin	NRD	300, 600	PG	Government	U. S. R. C. S.
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.
Antilles	KKA	300, 600	PG	Southern Pacific Co	Marconi Co.
Apache	KVA	300, 600	PG	Clyde S. S. Co	Marconi Co.
Apache	NRP	300, 600	PG	Government	U. S. R. C. S.
Arapahoe	KVB	300, 600	PG	Clyde S. S. Co	Marconi Co.
Arethusa	NBU	300, 600	PG	Government	U. S. Navy.
Argyll	WTB			Union S. S. Co. (Union Oil Co.).	
Arizona	WFG	300,600	PG	Goodrich Transit Co	Marconi Co.
Arizonan	WKB	300, 600	PG	American-Hawaiian S.S.	Atlantic Com- munication Co.
Arkansas	NBV	300, 600	PG	Government	U. S. Navy.
Aroline	WRJ	300, 600	PG	Aroline S. S. Co	Marconi Co.
Ashtabula	WEZ	300, 600	PG	Pennsylvania & Ontario Nav. Co.	Marconi Co.
Asuncion	WTX			Associated Oil Co	
Atalanta	KYA			George J. Gould	
Atlantic City	KMN			Atlantic City Transp.	Marconi Co.
Atlas	WTT	300, 600	PG	Standard Oil Co	Marconi Co.
Aylwin	NIH	300,600	PG	Government	U. S. Navy.
Aztec	wwQ	300, 600	PG	Pacific Mail 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—
Bache	NLK	300, 400 600		Government	U. S. Dept. of Commerce.
Bailey	NCF	300, 600	PG	do	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.
Bayamon	KDX			A. H. Bull S. S. Co	
Bay State	KRE	300, 600	PG	Eastern S. S. Corp	Marconi Co.
Beale	NCL	300, 600	PG	Government	U. S. Navy
Bear	NRB	300, 600	PG	do	U. S. R. C. S.
Bear	wwD	300, 600	PG	San Francisco & Port- land S. S. Co.	Marconi Co.
Beaver	wwB	300, 600	PG	do	Marconi Co.
Belfast	KRD	300, 600	PG	Eastern S. S. Corp	Marconi Co.
Beluga	WLB			American Deep Sea Exploration Co.	Marconi Co.
Benham	NIJ	300, 600	PG	Government	U. S. Navy.
Berkshire	KQB	300, 600	PG	Merchants & Miners Transp. Co.	Marconi Co.
Berlin	WRB			Alaska-Portland Pack- ers' Assn.	
Bertha	WBR			Alaska Coast Co	
Beverly	KND	300, 600		Colonial Nav. Co	
Birmingham	NCN	300,600	PG	Government	U. S. Navy.
Borinquen	KDW	300, 600	PG	Ocean Freight Line (Inc.).	Marconi Co.
Boston	KXA	300, 450, 500, 550, 600	PG	New England S. S. Co	Nat. Elec. Sig- naling Co.
Brazos	KEZ	300, 600	PG	Mallory S. S. Co	Marconi Co.
Breakwater	WBK			Southern Pacific Co	
Brilliant	KTI	300, 600	PG	Standard Oil Co	Marconi Co.
Brooklyn	NFA	300, 600	PG	Government	U. S. Navy.
Brunswick	Kos	300, <i>600</i>	PG	Gulf & Southern S. S. Co.	Marconi Co.
Prutus	NNA	300, 600	PG	Government	U. S. Navy.

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

Vessel.	Call aignal	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Buffalo	NCU	300, 600	PG	Government	U. S. Navy.
Buford	WXA	600	PG	do	U. S. Army.
Bunker Hill	KJB			Eastern S. S. Corp	
Burnside	WXR	600	0	Government	U. S. Army.
Burrows	NCV	300, 600	PG	do	U. S. Navy.
Cabrillo	WBV	300, 500, 600	PG	Wilmington Transp. Co.	Marconi Co.
Caesar	NCY	300, 600	PG	Government	U. S. Navy.
California	KYQ		:	Mrs. Clara B. Stocker	
California	NCZ	300, 600	PG	Government	U. S. Navy.
Californian	WKC	300, 600	PG	American-Hawaiian S.S.	
Calvin Austin	KRN	300, 600	PG	Eastern S. S. Corp	Marconi Co.
Camden	KRC	300, 600	PG	do	Marconi Co.
Camino	wqc	300, 600	PG	Western Steam Nav. Co.	Marconi Co.
Cape Cod	KPW			George R. West	
Captain A. F. Lucas.	WTV	300, 600	PG	Standard Oil Co. of Cal.	Marconi Co.
Captain A. M. Wetherill.	WYT	300	0	Government	U. S. Army.
Captain Barrett	WYP	300	0	do	U. S. Army.
Captain Chas. W. Rowell.	WYI	300	0	do	U. S. Army.
Captain James Fornance.	WYM	300	0	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.	Marconi Co.
Carolina	WFE	300, 600	PG	Goodrich Transit Co	Marconi Co.
Carolina	KGB			New York & Porto Rico S. S. Co.	Marconi Co.
Carolyn	KNF			A. H. Bull S. S. Co	
Cassandra	KYE			George J. Whelan	

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

Vessel.	Call signal,	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Cassin	NIK	300, 600	PG	Government	U. S. Navy.
Castine	NDA	300, 600	PG	Government	U. S. Navy.
Catania	WTI			Coast Oil Transp. Co	
Celilo	WMF	300, 600		Charles R. McCormick & Co. (Inc.).	Marconi Co.
Celtic	NDB	300, 600	PG	Government	U. S. Navy.
Centralia	WSN	300, 600	PG	Centralia Co	Marconi Co.
Chalmette	`KKC	300, 600	PG	Southern Pacific Co	Marconi Co.
Charleston	NFE	300, 600	PG	Government	U. S. Navy.
Chattanooga	NGI	300, 600	PG	do	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, 450, 500, 550, 600	PG	New England S. S. Co	Nat. Elec. Sig- naling Co.
Cheyenne	NDH	300,600	PG	Government	U. S. Navy.
Chicago	WAC			Booth Fisheries Co	
Chicago	WFI			Goodrich Transit Co	
Chicago	NDI	300, 600	PG	Government	U. S. Navy.
China	WWA			Pacific Mail S. S. Co	
Chippewa	WBH			Puget Sound Nav. Co	
Christopher Co- lumbus.	WFJ	300, 600	PG	Goodrich Transit Co	Marconi Co.
Cincinnati	NDL	300, 600	PG	Government	U. S. Navy.
City of Alpena II.	WEH	300, 600	PG	Detroit & Cleveland Nav. Co.	Marconi Co.
City of Annapolis.	ksw	300, 600	PG	Chesapeake S. S. Co	Marconi Co.
City of Atlanta	KFB	300, 600	PG	Ocean S. S. Co. (Savan- nah Line).	Marconi Co.
City of Augusta	KFJ	300, 600	PG	do	Marconi Co.
City of Baltimore.	KRY	300, 600	PG	Mercantile Trust & Deposit Co. (Chesapeake S. S. Co.).	Marconi Co.
City of Bangor	KRH	l	J	Eastern S. S. Corp	

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

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
City of Benton Harbor.	WDV	300, 600	PG	Graham & Morton Transp. Co.	Marconi Co.
City of Buffalo	WFQ	300, 600	PG	Cleveland & Buffalo Transit Co.	Marconi Co.
City of Chicago	WDT	300,600	PG	Graham & Morton Transp. Co.	Marconi Co.
City of Cleveland III.	WEA	300, 600	PG	Detroit & Cleveland Nav. Co.	Marconi Co.
City of Columbus	KFA	300, 600	PG	Ocean S. S. Co. (Savan- nah Line).	Marconi Co.
City of Detroit II	WEC	300, 600	PG	Detroit & Cleveland Nav. Co.	Marconi Co.
City of Detroit III.	WEF	300, 600	PG	do	Marconi Co.
City of Erie	WFP	300, 600	PG	Cleveland & Buffalo Transit Co.	Marconi Co.
City of Everett	KTQ			Standard Oil Co	
City of Grand Rapids.	WDS	300, 600	PG	Graham & Morton Transp. Co.	Marconi Co.
City of Lowell	KXB	300, 450, 500, 550, 600	PG	New England S. S. Co	Nat. Elec.Sig- naling Co.
City of Mackinac	WEB	300, 600	PG	Detroit & Cleveland Nav. Co.	Marconi Co.
City of Macon	KFC	300, 600	PG	Ocean S. S. Co. (Savan- nah Line).	Marconi Co.
City of Memphis	KFD	300, 600	PG	do	Marconi Co.
City of Montgom- ery.	KFY	300, 600	PG	do	Marconi Co.
City of Norfolk	KRZ	300, 600	PG	Mercantile Trust & Deposit Co. (Chesapeake S. S. Co.).	Marconi Co.
City of Panama	wwp			Pacific Mail S. S. Co	
City of Para	wwr	300, 600	PG	do	Marconi Co.
City of Puebla	WGQ	300, 600	PG	Pacific Coast Co	Marconi Co.
City of Richmond.	KSV	300, 600	PG	Mercantile Trust & Deposit Co. (Chesapeake S. S. Co.).	Marconi Co.
City of Rockland	KRI	300, 600	PG	Eastern S. S. Corp	Marconi Co.
City of St. Ignace.	WEG	300, 600	PG	Detroit & Cleveland Nav. 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—
City of St. Louis	KFX	300, 600	PG	Ocean S. S. Co. (Savan- nah Line).	Marconi Co.
City of Savannah	KFK	300, 600	PG	do	Marconi Co.
City of Seattle	WGA			Pacific Coast Co	Marconi Co.
City of South Haven.	WDI	•••••		Chicago & South Haven S. S. Co.	
City of Sydney	WWG	300, 600	PG	Pacific Mail S. S. Co	Marconi Co.
City of Taunton	KXL	300, 450, 500, 550, 600	PG	New England S. S. Co	Nat. Elec. Sig- naling Co.
City of Topeka	WGY	300, 600	PG	Pacific Coast Co	Marconi Co.
Cleveland	NDM	300, 600	PG	Government	U. S. Navy.
Coamo	KGA	300, 600	PG	New York & Porto Rico S. S. Co.	Marconi Co.
Col. E. L. Drake.	WTS			Standard Oil Co	
Col. James M. Schoonmaker.	WEQ	300, 600	PG	Shenango S. S. Co	Marconi Co.
Colon	KMX	300, 600	PG	Panama R. R. Co	Atlantic Com- munication Co.
Colorado	KE,A			Mallory S. S. Co	
Colorado	NDN	300, 600	PG	Government	U. S. Navy.
Columbia	KRO			Chesapeake S. S. Co	
Columbia	KYM	<i>300</i> , 550	P	J. Harvey Ladew	Owner of ves- sel.
Columbia	NGA	300, 600	PG	Government	U. S. Navy.
Columbia	WPW			Port of Portland	
Columbia	WHC	300, 600	PG	J. H. Wilson	Marconi Co.
Columbian	WKS	300, 600	PG	American-Hawaiian S.S. Co.	Atlantic Com- munication Co.
Comal	KEM	300, 600	PG	Mallory S. S. Co	Marconi Co.
Comanche	KVC	300, 600	PG	Clyde S. S. Co	Marconi Co.
Comet	KTJ	300, 600	PG	Standard Oil Co	Marconi Co.
Commonwealth	KXC	300, 450, 500, 550, 600	PG	New England S. S. Co	Nat. Elec. Sig- naling Co.

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

Vessel.	Call signal.	Wave lengths.	Serv- los.	Owner of vessel (line).	Station controlled by—
Comus	KKD	300, 600	PG	Southern Pacific Co	Marconi Co.
Concho	KEC	300, 600	PG	Mallory S. S. Co	Marconi Co.
Concord	KNC	300, 450, 500, 550, 600	PG	Colonial Nav. Co	Nat. Elec. Signaling Co.
Congress	WGT	300, 600	PG	Pacific Coast Co	Marconi Co.
Connecticut	NDQ	300, 600	PG	Government	U. S. Navy.
Cordova	WAR	300, 600	PG	Alaska S. S Co	Marconi Co.
Coronado	wso			Coronado Co	
Corsair	KYC			J. P. Morgan estate	
Corwin	WNN			Kotzebue Transp. & Trading Co.	
Creole	KKR	300, 600	PG	Southern Pacific Co	Marconi Co.
Cretan	KQC	300, 600	PG	Merchants & Miners Transp. Co.	Marconi Co.
Cristobal	KMD	300, 600	PG	Panama R. R. Co	Atlantic Com- munication Co.
Crook	wxB	600	PG	Government	U. S. Army.
Culgoa	NDU	300, 600	PG	do	U. S. Navy.
Cummings	NIL	300, 600	PG	do	U. S. Navy.
Currier	KNU	300, 600	PG	Cuba Distilling Co	Marconi Co.
Cushing	NIM	300, 600	PG	Government	U. S. Navy.
C. W. Morse	кмо	300, 600		McAllister Bros	Marconi Co.
Cyclops	NDY	300, 600	PG	Government	U. S. Navy.
Cyprus	KYD			Daniel C. Jackling	
Dakotan	WKD	300, 600	PG	American-Hawaiian S.S. Co.	Marconi Co.
Damara	WNM			Edgar F. Luckenbach	
Decatur	NJC	300, 600	PG	Government	U. S. Navy.
Delaware	NEK	300, 600	PG	do	U. S. Navy.
Delaware Sun	KTW	300, 600	PG	Sun Co	Marconi Co.
Delhi	WGD			Pacific Coast Co	
Denver	KED	300, 600	PG	Mallory 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—
Denver	NEM	300, 600	PG	Government	U. S. Navy.
Des Moines	NEN	300, 600	PG	do	U. S. Navy.
Diamond Head	WNL			Tyee Co	
Dirigo	WAO			Alaska S. S. Co	
Dix	wxc	600	PG	Government	U. S. Army.
Dixie	NEP	300, 600	PG	do	U. S. Navy.
Dolphin	WAU			Alaska S. S. Co	Marconi Co.
Dolphin	NEQ	300, 600	PG	Government	U. S. Navy.
Dora	WAH			Alaska S. S. Co	
Dorchester	KQD	300, 600	PG	Merchants & Miners Transp. Co.	Marconi Co.
Dorothy Bradford.	KNA	300, 600	PG	Cape Cod S. S. Co., trustees.	Marconi Co.
Downes	NIN	300, 600	PG	Government	U. S. Navy.
Drayton	NET	300, 600	PG	do	U. S. Navy.
Dubuque	NEU	300,600		do	
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.
Eastland	WFN	300, 600	PG	St. Joseph-Chicago S. S. Co.	Marconi Co.
Edgar H. Vance	WQE			Nehalem S. S. Co	
E. G. Crosby	WEL			Crosby Transp. Co	
Edith	WAE			Alaska S. S. Co	
El Alba	KKL	300, 600	PG	Southern Pacific Co	Marconi Co.
Elcano	NFD	300, 600	PG	Government	U. S. Navy.
El Cid	KKT	300, 600	PG	Southern Pacific Co	Marconi Co.
El Dia	KKY	300, 600	PG	do	Marconi Co.
Elmer A. Keeler	KVU	l	l	Elmer A. Keeler	

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

Vessel.	Call signal.	Wave lengths.	Serv- loe.	Owner of vessel (line).	Station controlled by—
El Mundo	KKU	300, 600	PG	Southern Pacific Co	Marconi Co.
El Norte	KKN			do	
El Occidente	KKX	300, 600	PG	do	Marconi Co.
El Oriente	KKV	300, 600	PG	do	Marconi Co.
El Rio	KKZ	300, 600	PG	do	Marconi Co.
El Segundo	WTQ			Standard Oil Co	
El Siglo	.KK8	300, 600	PG	Southern Pacific Co	Marconi Co.
El Sol	KKB	300, 600	PG	do	Marconi Co.
El Sud	KKQ	300, 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	ктм			Standard Oil Co	Owner of vee-
Erskine M. Phelps.	WTA			William D. Sewall (Union Oil Co.).	
Esperanza	KWZ	300, 600	PG	N. Y. & Cuba Mail S. S. Co. (Ward Line).	Marconi Co.
Essex	KQE	300, 600	PG	Merchants & Miners Transp. Co.	Marconi Co.
Evelyn	KNE			A. H. Bull S. S. Co	
Excelsior	кко	300, 600	PG	Southern Pacific Co	Marconi Co.
Explorer	NLI	300, 600	0	Government	U. S. Dept. of Commerce.
F-1	NXU	300.600	PG	do	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.
Falcon	WRK	300, 600	PG	Charles Nelson 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.
Fifield	WRF	300, 600	PG	Fifield 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—
Finland	KSF			International Mercantile Marine Co. (Red Star Line).	Marconi Co.
Florence	KYF			Alphonse H. Alker	
Florida	KSY	300, 600	PG	Baltimore Steam Packet Co.	Marconi Co.
Florida	KUS			The Texas Co	Marconi Co.
Florida	NFR	300, 600	PG	Government	U. S. Navy.
Flusser	NFS	300, 600	PG	do	U. S. Navy.
Forward	KPF			Yankee Salvage Assn	Marconi Co.
Frank H. Buck	WTO	300, 600		Associated Oil Co	
Frieda	KFF	300, 600	PG	Union Sulphur Co	Marconi Co.
G-1	NXY	300, 600	PĠ	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.
Galveston	NGD	300, 600	PG	do	U. S. Navy.
General A. M. Randol.	WYJ	300	0	do	U. S. Army.
General E. O. C. Ord.	WYF	400, 600	0	do	U. S. Army.
General Harvey Brown.	WYK	300	0	do	U. S. Army.
General Henry J. Hunt.	WYD	400	0	do	U. S. Army.
General Henry Knox.	WYE	400	0	do	U. S. Army.
General Hubbard.	WMT			Hubbard S. S. Co	
General R. B. Ayres.	WYL	300	0	Government	U. S. Army.
General Robert Anderson.	WYH	300	0	do	U. S. Army.
General Royal T. Frank.	WYA	300	o	do	U. S. Army.

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

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
General S. N.	WYB	300, 600	0	Government	U. S. Army.
Genl. Pettibone	KUP	300, 600		Guyton & Co	Marconi Co.
Geo. W. Elder	WRT			North Pacific S. S. Co.	
George W. Fen- wick.	WNG			Fenwick S. S. Co. (California & Atlantic S. S. Co.).	
Georgia	WFA	.		Goodrich Transit Co	
Georgia	NGF	300,600	PG	Government	U. S. Navy.
Georgian	WKG	300, 600	PG	American-Hawaiian S.S.	Marconi Co.
Glacier	NGH	600	PG	Government	U. S. Navy.
Glory of the Seas.	WBZ			Glacier Fisheries Co	
Gloucester	KQG	300, 600	PG	Merchants & Miners Transp. Co.	Marconi Co.
Gloucester	NSL	300, 600		Government	
Goldsborough	NGJ	300, 600	PG	do	U. S. Navy.
Goliah	WPG			Puget Sound Tug Boat	
Governor	WGR	300, 600	PG	Pacific Coast Co	Marconi Co.
Governor Cobb	KRB	300, 600	PG	Eastern S. S. Corp	Marconi Co.
Governor Dingley.	KRV	300, 600	PG	do	Marconi Co.
Grace Dollar	WSF	300, 600	PG	Grace Dollar S. S. Co	Marconi Co.
Grayson	KDV			Ocean Freight Line (Inc.)	
Grecian	KQR	300, 600	PG	Merchants & Miners Transp. Co.	Marconi Co.
Greenwood	WQG			Greenwood S. S. Co	
Gresham	NRG	300, <i>600</i> , 750	PG	Government	U. S. R. C. S.
Guardian	WGZ	300, 600	PG	Central & South American Telegraph Co.	Owner of vessel.
Gulfoil	KTG	300, 600	PG	Gulf Refining Co	Marconi Co.
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.

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

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Hamilton	KOA	300, 600	PG	Old Dominion S. S. Co	Marconi Co.
Hanalei	WHN	300, 600	PG	Independent S. S. Co	Marconi Co.
Hancock	NHI	300, 600	PG	Government	U. S. Navy.
Hannibal	NGU	300, 600	PG	do	U. S. Navy.
Harvard	WRH	300, 600	PG	Metropolitan S. S. Co. (Pacific Steam Nav. Co.).	
Havana	KWH	300, 600	PG	N. Y. & Cuba Mail S. S. Co. (Ward Line).	Marconi Co.
Hawaiian	WKU	300, 600	PG	American-Hawaiian S. S. Co.	
Hector	NGX	300, 600	PG	Government	U. S. Navy.
Helena	NGY	300, <i>600</i>	PG	do	U. S. Navy.
Henley	NHA	300, 600	PG	do	U. S. Navy.
Henry T. Scott	WRA			California S. S. Co	
Herman Frasch	KFH	300, 600	PG	Union Sulphur Co	}
Hermosa	WBP			Wilmington Transp. Co.	
Hilonian	WMM	300, 600	PG	Matson Nav. Co	Marconi Co.
Holland	WDW	300, 600	PG	Graham & Morton Transp. Co.	Marconi Co.
Honolulan	WKH	300, 600	PG	American-Hawaiian S. S. Co.	Marconi Co.
Hopkins	NHC	300, 600	PG	Government	U. S. Navy.
Howard	KQH	300, 600	PG	Merchants & Miners Transp. Co.	Marconi Co.
Hull	NHE	300, 600	PG	Government	U. S. Navy.
Humboldt	WHX			Humboldt S. S. Co	Marconi Co.
Huron	KVH	300, 600	PG	Clyde S. S. Co	Marconi Co.
Hyades	WMK			Matson Nav. Co	
Iaqua	WLI	300, 600	PG	John A. McGregor	Marconi Co.
I. D. Fletcher	KFI			Coast Transit Co	
I. J. Merritt	KRQ			Merritt & Chapman Derrick & Wrecking Co.	
Illinois	wcz	300, 600	PG	Northern Michigan 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—
Illinois	ктн			Texas S. S. Co	
Illinois	NHO	300, 600	PG	Government	U. S. Navy.
Independent	W.bI			Weiding & Independent Fisheries Co.	
Indian	KQI	300, 600	PG	Merchants & Miners Transp. Co.	Marconi Co.
Indiana	WFC	300, 600	PG	Goodrich Transit Co	Marconi Co.
Indiana	NHQ	300, 600	PG	Government	U. S. Navy.
Iowa	WFD	300, 600	PG	Goodrich Transit Co	Marconi Co.
Iowa	NHT	600	PG	Government	U. S. Navy.
Iowan	W.KJ	300, 600	PG	American-Hawaiian S.S. Co.	Atlantic Com- munication Co.
Iris	NHU	300, 600	PG	Government	U. S. Navy.
Iroquois	KVF			Clyde S. S. Co	
Iroquois	WBG			Puget Sound Nav. Co	
Iroquois	NHV	300, 600	PG	Government	U. S. Navy.
Isla de Luzon	NQJ	300, 600		do	
Isthmian	WKI	300, 600	PG	American-Hawaiian S. S. Co.	Atlantic Com- munication Co.
Itasca	NRI	300, 600	PG	Government	U. S. R. C. S.
J. A. Chanslor	WTK			Associated Oil Co	
James Duane	KIJ			New York City	N. Y. City Fire Dept.
Jamestown	кос	300, 600	PG	Old Dominion S. S. Co	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.	Marconi Co.
Jefferson	KOD	300, 600	PG	Old Dominion S. S. Co	Marconi Co.
Jefferson	WAJ	300, 600	PG	Alaska S. S. Co	Marconi Co.
Jenkins	NID	300, 600	PG	Government	U. S. Navy.
J. M. Guffey	KTF	300, 600	PG	Gulf Refining Co	Marconi Co.

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

Vessel.	Call signal.	Wave lengths.	Serv-	Owner of vessel (line).	Station controlled by—
John A. Hooper	wsj	300, 600	PG	Sudden & Christenson (Inc.).	Marconi Co.
John D. Archbold.	KTK	300, 600		Standard Oil Co	Marconi Co.
Joseph Henry	WXT	600	0	Government	U. S. Army.
Joseph Pulitzer	WPZ			Port of Portland	
Jouett	NIE	300, 600	PG	Government	U. S. Navy.
Juniata	KQJ	300, 600	PG	Merchants & Miners Transp. Co.	Marconi Co.
Juniata	WCB	300, 600	PG	Erie & Western Transp. Co. (Anchor Line).	Marconi Co.
Jupiter	NNC	300, 600	PG	Government	U. S. Navy.
Justin	NNJ	300,600	PG	do	U. S. Navy.
K-1	NYF	300, 600	PG	do	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.
Kansan	WKK			American-Hawaiian S. S. Co.	
Kansas	NIO	300, 600	PG	Government	U. S. Navy.
Kansas City	wws			San Francisco & Port- land S. S. Co.	
Karina	KYR			Theodore P. Burgess	
Kearsarge	NIP	300,600	PG	Government	U. S. Navy.
Kentuckian	WKE	300,600	PG	American-HawaiianS.S.	
Kentucky	NIQ	300, 600	PG	Government	U. S. Navy.
Kershaw	KQK	300,600	PG	Merchants & Miners Transp. Co.	Marconi Co.
Kilpatrick	WXD	600	PG	Government	U. S. Army.
Kingfisher	WPK	l	l	New England Fish Co	

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

Vessel.	Call aignal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Kismet	KYK			Bob Myers Babcock	
Klamath	wsx	300, 600	PG	Klamath S. S. Co	Marconi Co.
Korea	wwĸ	300, 600	PG	Pacific Mail S. S. Co	Marconi Co.
Kroonland	квн			International Mercan- tile Marine Co. (Red Star Line).	Marconi Co.
Kukui	NLF	300, 600	o	Government	U. S. Dept. of Commerce.
Kvichak	WNS			Alaska Packers' Assn	
Lakeland	WDL	300,600	PG	Port Huron & Duluth S. S. Co.	Marconi Co.
Lakeport	WDJ			do	Marconi Co.
Lakewood	WDK			do	Marconi Co.
Lampasas	KEP	300, 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. (Union Oil Co.).	Marconi Co.
Larimer	KTA	300,600	PG	Gulf Refining Co	Marconi Co.
Latouche	WAI			Alaska S. S. Co	Marconi Co.
Lawrence	NIY	300, 600	PG	Government	U. S. Navy
Lebanon	NIZ	300, 600	PG	do	U. S. Navy.
Leelanaw	WNI			Leelenaw S. S. Co. (California & Atlantic S. S. Co.).	Marconi Co.
Lenape	KVL	300, 600	PG	Clyde S. S. Co	Marconi Co.
Leonidas	NNH	300, 600	PG	Government	U. S. Navy.
Lewis Luckenbach	WNH			Edgar F. Luckenbach (California & Atlantic S. S. Co.).	
Lexington	KNB	300, 450, 500, 550, 600.	PG	Colonial Nav. Co	Nat. Elec. Sig- naling Co.
Lexington	KQL	300, 600	PG	Merchants & Miners Transp. Co.	Marconi Co.
Ligonier	KTD			Gulf Refining Co	
Liscum	WXE	600	PG	Government	U. S. Army.
Logan	WXF	600	PG	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—
Louise	KRL			Tolchester Beach Improvement Co.	
Louisiana	NJB	300, 600	PG	Government	U. S. Navy.
Lucy Neff	KNQ			C. L. Dimon	
Lundin power life- boat.	KVX			Welin Marine Equip- ment Co.	
Lurline	WML	300, 600	PG	Matson Nav. Co	Marconi Co.
Lydonia	WDY			W. A. Lydon	
Lyra	WNF	300, 600	PG	Edgar F. Luckenbach (Luckenbach S. S. Co.).	Marconi Co.
Lysistrata	KYL			James G. Bennett	
Macdonough	NJH	300, 600	PG	Government	U. S. Navy.
Machias	NQL	300, 600	PG	do	U. S. Navy.
Mackinaw	WHW			Mackinaw Co	Marconi Co.
Madison	KOG	300, 600	PG	Old Dominion S. S. Co	Marconi Co.
Maine	KME			Charles Clark & Co	Marconi Co.
Maine	KXD	300, 450, 500, 550, 600	PG	New England S. S. Co	Nat. Elec. Sig- naling Co.
Maine	NJL	300, 600	PG	Government	U. S. Navy.
Major Evan Thomas.	WYO	300	0	do	U. S. Army.
Major Samuel Ringgold.	wyc	300	0	do	U. S. Army.
Manchuria	WWE	300, 600	PG	Pacific Mail S. S. Co	Marconi Co.
Manitou	WFW	300, 600	PG	Northern Michigan Transp. Co.	Marconi Co.
Manning	NRN	300, 600	PG	Government	U. S. R. C. S.
Manoa	WMQ	300, 600	PG	Matson Nav. Co	Marconi Co.
Maracaibo	KDM	300, 600	PG	Atlantic & Caribbean Steam Nav. Co. (Red D Line).	Marconi Co.
Marietta	NJQ	300, 600	PG	Government	U. S. Navy.
Mariposa	WHP			Alaska S. S. Co	Marconi Co.
Marquette & Bessemer No. 1.	WEW	300, 600	PG	Marquette & Bessemer Dock & Nav. 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—
Marquette & Bessemer No. 2.	WEX	300, 600	PG	Marquette & Bessemer Dock & Nav. Co.	Marconi Co.
Mars	NJR	300. 600	PG	Government	U.S. Navy.
Marblehead	NGK	300, 600		do	
Maryland	NJS	300, 600	PG	do	U. S. Navy.
Mascotte	KOW.			Peninsular & Occidental S. S. Co.	
Massachusetts	КЈМ	300, 600	PG	Eastern S. S. Corp	
Massachusetts	NJT	300, 600	PG	Government	U.S. Navy.
Mateonia	WMP	300, 600	PG	Matson Nav. Co	Marconi Co.
Maverick	WTW			Standard Oil Co	
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. R. C. S.
McDougal	NIT	300, 600	PG	do	U. S. Navy.
Meade	WXG	600	PG	do	U. S. Army.
Merrimack	KQM	300, 600	PG	Merchants & Miners Transp. Co.	Marconi Co.
Merritt	wxi	600	PG	Government	U. S. Army.
Mexican	WKL	300, 600	PG	American-Hawaiian S. S. Co.	Atlantic Com- municatio n Co.
Mexico	KWX	300, 600	PG	N. Y. & Cuba Mail S. S. Co. (Ward Line).	Marconi Co.
M iami	KOZ			Peninsular & Occidental S. S. Co.	
Miami	NRQ	300, <i>600</i> , 750	PG	Government	U. S. R. C. S.
Michigan	NJZ	300, 600	PG	do	U. S. Navy.
Millinocket	KNM	3 00 , <i>600</i>	PG	A. H. Buil S. S. Co	Marconi Co.
Mills	KRR			Ogden Mills	
Milwaukee	NFB	300, 600	PG	Government	U. S. Navy.
Minneapolis	NGB	300, 600	PG	do	U. S. Navy.

SHIP RADIO STATIONS, ALPHAB ETICALLY BY NAMES OF VESSELS-Continued.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Minnesota	WEK	300, 600	PG	Crosby Transp. Co	Malconi Co.
Minnesota	WMI			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 Transp. Co.	Marconi Co.
Missouri	NKF	300, 600	PG	Government	U. S. Navy.
Missourian	wkx	300, 600	PG	American-Hawaiian S.S.	
Mohawk	KVM	300, 600	PG	Clyde S. S. Co	Marconi Co.
Mohawk	KXE	300, 450, 500, 550, 600	PG	New England S. S. Co	Nat. Elec. Sig- naling Co.
Mohawk	KYU	300	P	Ralph E. Barry	Owner of ves- sel.
Mohawk	NVM	300, 600	PG	Government	U. S. R. C. S.
Mohegan	кхм	300, 450, 500, 550, 600.	PG	New England S. S. Co	Nat. Elec. Sig- naling Co.
Momus	KKM	300, 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	Pacific Mail S. S. Co	Marconi Co.
Monocacy	NQQ	300, 600	PG	Government	U. S. Navy.
Montana	NKM	300, 600	PG	do	U. S. Navy.
Montanan	WKN			American-Hawaiian S.S.	1111
Montauk	KNT			Montauk Steamboat Co.	
Monterey	KWY	300, 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.
Morrill	NRC	300	PG	do	U. S. R. C. S.
Morro Castle	KWC	300, 600	PG	N. Y. & Cuba Mail S. S. Co. (Ward Line).	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—
Multnomah	WMA			Multnomah S. S. Co	
Nacoochee	KFP	300,600	PG	Ocean S. S. Co. (Savan- nah 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, 600	PG	Merchants & Miners Transp. Co.	Marconi Co.
Nashville	NKY	300, 600	PG	Government	U. S. Navy.
Navajo	WNJ			Western Steam Nav.Co. (California & Atlantic S. S. Co.).	
Navajo	NKZ	300, 600	PG	Government	U.S. Navy.
Navesink	wxu	400–800 (<i>600</i>)	0	do	U.S. Army.
Nebraska	NMA	300, 600	PG	do	U. S. Navy.
Nebraskan	WKY	300, 600	PG	American-Hawaiian S.S. Co.	Atlantic Com- munication Co.
Nelson	KNL	300, 600	PG	Cuba Distilling Co	Marconi Co.
Neptune	NMS	300, 600	PG	Government	U. S. Navy.
Nereus	NNF	300, 600	PG	do	U. S. Navy.
Nero	NMB	300, 600	PG	do	U. S. Navy.
Nevadan	WKZ	300, 600	PG	American-Hawaiian S.S. Co.	Atlantic Com- munication Co.
New Hampshire	KXF	300, 450, 500, 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, 450, 500, 550, 600.	PG	New England S. S. Co	Nat. Elec. Sig- naling Co.
New Jersey	KNJ			United N. Y. & Sandy Hook Pilots' Assn.	
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	wwn	300, 600	PG	Pacific Mail S. S. Co	Marconi Co.

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

Vessel.	Call signal.	Wave lengths.	Serv- ioe.	Owner of vessel (line).	Station controlled by—
New York	KNK			United N. Y. & Sandy Hook Pilots' Assn.	
New York	K8N			International Mercantile Marine Co. (American Line).	
New York	NCC	300, 600	PG	Government	U. S. Navy.
Niagara	KYN			Howard Gould	
Nicholson	NIU	300, 600	PG	Government	U. S. Navy.
Noma	KYO			Vincent Astor	
Nome City	WRN	300, 600	PG	Charles Nelson 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.
Northland	WNX			E. J. Dodge 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	KJ8	300, 600	PG	do	Marconi Co.
North Star	KYZ			Cornelius Vanderbilt	
North Star	WHR			Alaska Fishermen's Packing Co.	Marconi Co.
Northwestern	WAN	300, 600	PG	Alaska S. S. Co	Marconi Co.
North Wind	КҮВ	300	P	Charles Martin Clark	Owner of ves- sel.
Norwood	WSG	300, 600	PG	Sudden & Christenson (Inc.).	Marconi Co.
Nueces	KEH	300, 600	PG	Mallory S. S. Co	Marconi Co.
Nushagak	WNE			Alaska Packers' Assn	
Nyack	WEJ			Crosby Transp. Co	
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.	

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

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Old Colony	кјо			Eastern S. S. Corp	
Oleum	WTD			Fillmore Condit (Union Oil Co.).	
Oliver J. Olson	WNB	300, 600	PG	Steamer California Co	Marconi Co.
Olivette	KOV	300, 600	PG	Peninsular & Occidental S. S. Co.	Marconi Co.
Oneida	KYP	300, 550, 600	P	E. C. Benedict	Owner of ves- sel.
Oneonta	WPX			Port of Portland	
Onondaga	NRO	300, <i>600</i> , 750	PG	Government	U. S. R. C. S.
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.
Oregonian	wko	300, 600	PG	American-Hawaiian S.S.	
Orion	NOC	300, 600	PG	Government	U. S. Navy.
Osceola	NOA	300, 600	PG	do	U. S. Navy.
Ossabaw	KEO			Atlantic, Gulf & West Indies S. S. Lines.	
Ozark	ини	300, 600	PG	Government	U. S. Navy.
Paducah	NOG	300, 600	PG	do	U. S. Navy.
Palos	NQS	300, 600	PG	do	U. S. Navy.
Pamlico	NRR	300	PG	do	U. S. R. C. S.
Pampanga	NQT	300, 600	PG	do	U. S. Navy.
Panama	кмн	300, 600	PG	Panama R. R. Co	Atlantic Com- munication Co.
Panaman	WKR	300, 600	PG	American-Hawaiian S.S.	
Pan American	KUT			Texas S. S. Co	
Panther	NOJ	300, 600	PG	Government	U. S. Navy.
Paraguay	KTT			Sun Co	Marconi Co.
Paraiso	wri	300, 600	PG	Craig Shipbuilding 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—
Parker	NIX	300, 600	PG	Government	U. S. Navy.
Parthian	KQP	300, 600	PG	Merchants & Miners Transp. Co.	Marconi Co.
Patapsco	NOL	600	PG	Government	U. S. Navy.
Pathfinder	NLJ			do	U. S. Dept. of Commerce.
Patterson	NLH	300, 600	0	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	NON	300, 600	PG	do	U. S. Navy.
Paul Jones	NOP	300, 600	PG	do	U. S. Navy.
Pennsylvania	wwi	300, 600	PG	Pacific Mail S. S. Co	Marconi Co.
Pennsylvanian	WKP	300, 600	PG	American-Hawaiian S.S.	
Peoria	NOW	300, 600	PG	Government	U. S. Navy.
Pequonnock	KXP	300, 450, 500, 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, 600	PG	do	Marconi Co.
Pere Marquette 19	WDB	300, 345, 600.	PG	do	Marconi Co.
Pere Marquette 20	WDE	300, 375, 600.	PG	do	Marconi Co.
Perfection	KTN			Standard Oil 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.
Petrel	NOZ	300, 600	PG	Government	U. S. Navy.
Philadelphia	KDA	300, 600	PG	Atlantic & Caribbean Steam Nav. Co. (Red D Line).	Marconi Co.

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

Vessel.	Call signal.	Wave lengths.	Serv-	Owner of vessel (line).	Station controlled by—
Philadelphia	KSM	300, 600	PG	International Mercantile Marine Co. (American Line).	Marconi Co.
Pilgrim	KXG	300, 450, 500,550. 600.	PG	New England 8. 8. Co	Nat. Elec. Sig- naling Co.
Pilot Boy	KPL	300,600		Texas & Gulf S. S. Co	Marconi Co.
Pioneer	WPN			Puget Sound Tug Boat Co.	
Pittsburgh	NOT	300, 600	PG	Government	U. S. Navy.
Pleiades	WNP	300, 600	PG	Edgar F. Luckenbach	Marconi Co.
Plymouth	KXH	300, 450, 500, 550, 600.	PG	New England S. S. Co	Nat. Elec. Sig. naling Co.
Pompey	NQF	300, 600	PG	Government	U. S. Navy.
Ponce	KGP	300, 600	PG	New York & Porto Rico S. S. Co.	Marconi Co.
Portland	wnv	300, 600	PG	Nyno Line	Marconi Co.
Potomac	NQK	300, 600	PG	Government	U. S. Navy.
Powhatan	KQY	300,600	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 Co	Marconi Co.
Preston	NQO	300, 600	PG	Government	U. S. Navy.
Princess Anne	KOB	300, 600	PG	Old Dominion S. S. Co	Marconi Co.
Princeton	NQP	300, 600	PG	Government	U. S. Navy.
Priscilla	KXI	300, 450, 500, 550, 600.	PG	New England 8. 8. Co	Nat. Elec. Sig- naling Co.
Prometheus	NQR	300, 600	PG	Government	U. S. Navy.
Proteus	KKP	300, 600	PG	Southern Pacific Co	Marconi Co.
Proteus	NNG	300, 600	PG	Government	U. S. Navy.
Providence	KXJ	300, 450 500, 550 600	PG	New England S. S. Co	Nat. Elec.Sig- naling Co.
P. R. R. Barge 707.	KPR			Pennsylvania R. R. Co	

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

Vessel.	Call aignal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Puritan	WDU	300, 600	PG	Graham & Morton Transp. Co.	Marconi Co.
Puritan	KXK	300, 450 500, 550 600	PG	New England S. S. Co	Nat. Elec.Sig- naling Co.
Quantico	KQQ	300, 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 Oil 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.
Ransom B. Fuller.	KRF	300, 600	PG	Eastern S. S. Corp	Marconi Co.
Rayo	KTL			Standard Oil Co	
Redondo	WBM	300, 600	PG	Inter-Ocean Transp. Co.	Marconi Co.
Reid	NTU	300, 600	PG	Government	U. S. Navy.
Relay	KVZ	300, 600	PR	Mexican Telegraph Co	Owner of ves-
Relief	KRJ			Merritt & Chapman Derrick & Wrecking Co.	sel.
Relief Lightship 66 or 85.	NLD	300, 600	o	Government	U. S. Navy.
Relief Lightship 71 or 72.	NLE	300, 600	o	do	U. S. Navy.
Relief Lightship 94 or 53.	NLG	300, 600	0	do	U. S. Navy.
Reno	WYN	300	0	do	U. S. Army.
Rescue	KRP			Merritt & Chapman Derrick & Wrecking Co.	
Reuce	WSR			Columbia River Pack- ers' Assn.	
Rhode Island	NTX	300, 600	PG	Government	U. S. Navy.
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	Marconi Co.
Rio Grande	KEG	300, 600	PG	Mallory S. S. Co	Marconi Co.
Riverside	WRM		l	Charles Nelson Co	

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

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Roanoke	WRR	300, 600	PG	North Pacific 8. S. Co	Marconi Co.
Rochelle	WNR			Pacific S. S. Co	
Roe	NTZ	300, 600	PG	Government	U. S. Navy.
Roma	WTE			Union S. S. Co. (Union Oil Co.)	
Rose City	wwr	300, 600	PG	San Francisco & Port- land S. S. Co.	Marconi Co.
Sabine	KEB	300, 600	PG	Mallory S. S. Co	Marconi Co.
Sacramento	NQV	300, 600	PG	Government	U. S. Navy.
Salem	NTP	300, 600	PG	Government	U. S. Navy.
Samson	wos			Columbia Construction	Marconi Co.
San Francisco	NTQ	300, 600	PG	Government	U. S. Navy.
San Jacinto	KES	300, 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, 600	PG	New York & Porto Rico S. S. Co.	Marconi Co.
San Juan	WWM	300, 600	PG	Pacific Mail 8, 8, Co	Marconi Co.
San Marcos	KEK	300, 600	PG	Mallory S. S. Co	Marconi Co.
San Ramon	wnw	300, 600	PG	E. J. Dodge Co	Marconi Co.
Santa Ana	WAL			Alaska S. S. Co	
Santa Catalina	WB C			Atlantic & Pacific S. S. Co. (Grace Line).	Marconi Co.
Santa Cecilia	WBB			do	Marconi Co.
Santa Clara	WBA	300, 600	PG	do	Marconi Co.
Santa Clara	wrs	300, 600	PG	North Pacific S. S. Co	Marconi Co.
Santa Cruz	WPA			Puget Sound Salvage Co.	
Santa Cruz	WBD			Atlantic & Pacific S. S. Co. (Grace Line).	
Santa Maria	WTF	300, 600	PG	United S. S. Co. (Union Oil Co.).	Marconi Co.
Santa Rita	WTG			do	
Santa Rosa	WGN			Pacific Coast Co	
Saratoga	kws	300, 600	PG	N. Y. & Cuba Mail S. S. Co. (Ward Line).	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—
Saratoga	NTR	300, 600	PG	Government	U. S. Navy.
Satellite	KPS	300, 600		Alfred S. Sorensen & Sons.	
Satilla	KEN			Atlantic, Gulf & West Indies S. S. Lines.	1
Saturn	NNM	300, 600	PG	Government	U. S. Navy.
Savage	KRS			Consolidation Coal Co	
Sayonara	KYJ			A. J. Drexel	Owner of vessel.
Scorpion	NTT	300, 600	PG	Government	U. S. Navy.
Sea Otter	KYS			Hugh L. Willoughby	
Seeandbee	WFS	300, 600	PG	Cleveland & Buffalo Transit Co.	Marconi Co.
Seguranca	KWG	300, 600	PG	N. Y. & Cuba Mail S. S. Co. (Ward Line).	Marconi Co.
Seminole	KVJ	300, 600	PG	Clyde S. S. Co	Marconi Co.
Seminole	NRS	300, 600	·PG	Government	U. S. R. C. S.
Senator	wgs			Pacific Coast Co	Marconi Co.
Senator Bailey	KGS	300, 600	PG	Steele Towing & Wreck- ing Co.	Marconi Co.
Seneca	NRE	300, <i>600</i> , 750	PG	Government	U.S. R. C. S.
Seward	WAV			Alaska S. S. Co	
Sheboygan	WFL			Goodrich Transit Co	Marconi Co.
Shenango	KTC	300, 600	PG	Gulf Refining Co	Marconi Co.
Shenango	WET	300, 600	PG	Shenango S. S. Co	Marconi Co.
Sheridan	WXJ	600	PG	Government	U. S. Army.
Sherman	wxĸ	600	PG	do	U. S. Army.
Shinnecock	KNS			Montauk S. S. Co	
Sialia	WFY			J. K. Stewart	
Siberia	wwu	300, 600	PG	Pacific Mail S. S. Co	Marconi Co.
Sierra	WHJ	300, 600	PG	Oceanic S. S. Co	Marconi Co.
Smith54773°—14—	NSQ —4	300, 600	PG	Government	U. S. Navy.

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

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Snohomish	NRF	300	PG	Government	U. S. R. C. S.
Socony	KTX			Standard Oil Co	
Solace	NST	300, 600	PG	Government	U. S. Navy.
Somerset	KQS	300, 600	PG	State Street Trust Co. (Merchants & Miners Transp. Co.).	Marconi Co.
Sonoma	WHM	300, 600	PG	Oceanic S. S. Co	Marconi 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 & Geor- gian Bay S. S. Co.	Marconi Co.
South American	ĸvw	300,600	PG	The Texas 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. Oreg. Transp. Co.).	Marconi Co.
Spokane	WGE			Pacific Coast Co	Marconi Co.
S. O. Co. No. 91	WTU			Standard Oil Co	
S. O. Co. No. 92	KTY			do	
S. O. Co. No. 93	WTY			do	
S. O. Co. No. 94	KTP			do	
S. O. Co. No. 95	WTZ			do	
St. Frances	WHH			Libby, McNeill & Libby	
St. Helens	WNY			E. J. Dodge Co	Marconi Co.
St. Louis	KSL			International Mercantile Marine Co. (American Line).	
St. Louis	NTF	300, 600	PG	Government	U. S. Navy.
St. Nicholas	wss			Columbia River Pack- ers' Assn.	
St. Paul	KSO			International Mercantile Marine Co. (American Line).	
Stanley Dollar	WSD			Dollar S. S. Line	
Starr	WPS			San Juan Fishing & Packing Co.	

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

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
State of Ohio	WFR	300, 600	PG	Cleveland & Buffalo Transp. Co.	Marconi Co.
Sterrett	NTB	300, 600	PG	Government	U. S. Navy.
Stewart	NTC	300, 600	PG	do	U. S. Navy.
Stranger	NSR	300, 600		do	
Sumner	WXL	600	PG	do	U. S. Army.
Sun	KTU	300, 600	PG	Sun Co	Marconi Co.
Supply	NTK	300, 600	PG	Government	U. S. Navy.
Suwannee	KQZ	300, 600	PG	State Street Trust Co. (Merchants & Miners Transp. Co.).	Marconi Co.
Sylph	NTL	300, 600	PG	Government	U. S. Navy.
Tacoma	NUA	300,600	PG	do	U. S. Navy.
Tahoma	NRK	300, 600	PG	do	U. S. R. C. S.
Tallahassee	NUC	300, 600	PG	do	U. S. Navy.
Tarragon	NZZ	200, 300, 450, 600.	o	do	U. S. Dept. of Commerce.
Tasco	KFT	300, 400, 480, 600.	P	T. A. Scott Co. (Inc.)	Owner of vessel.
Tatoosh	WPE			Puget Sound Tug Boat	
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.	
Texas	NCD	300, 600	PG	Government	U. S. Navy.
The Harvester	WCR	300, 600		Wisconsin Steel Co	Marconi Co.
Theodore Roosevelt.	WCT	300, 600	PG	Indiana Transp. Co	Marconi.
Thetis	NRT	300, 600	PG	Government	U. S. R. C. S.
Thomas	WXM	600	PG	do	U. S. Army.
Tionesta	WCA	300, 600	PG	Erie & Western Transp. Co. (Anchor Line).	Marconi Co.
Toledo	KTV			Sun Co	
Tonopah	NUN	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—
	KKE	300, 600	PG	Southern Pacific Co	Marconi Co.
Trippe	NUQ	300,600	PG	Government	U. S. Navy.
Truxton	NUS	300, 600	PG	do	U. S. Navy.
Tuscan	KQT	300, 600	PG	Merchants & Miners Transp. Co.	Marconi Co.
Tuscarora	NRL	300, 600	PG	Government	U. S. R. C. S.
Гуее	WPC			Puget Sound Tug Boat	
Tyee Junior	WPB			Tyee Co	
Umatilla	WGU	300, 600	PG	Pacific Coast Co	Marconi Co.
Unalga	NRX	300, <i>600</i> , 800.	PG	Government	U. S. R. C. S.
Uncas	NVF	300, 600	PG	do	U.S. Navy.
United States	WIT			Indiana Transp. Co	
Utah	NVE	300, 600	PG	Government	U. S. Navy.
Vanadis	KYT			C. K. G. Billings	
Venetia	wov			J. D. Spreckels	
Ventura	WHL	300, 600	PG	Oceanic S. S. Co	Marconi Co.
Vermont	NVK	300, 600	PG	Government	U. S. Navy.
Vesta	KTS			Standard Oil 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			Alaska S. S. Co	Marconi Co.
Vigilancia	ĸwv	300, 600	PG	N. Y. & Cuba Mail S. S. Co. (Ward Line).	Marconi Co.
Villalobos	NVP	300, 600	PG	Government	U. S. Navy.
Virginia	KSZ	300, 600	PG	Baltimore Steam Packet Co.	Marconi Co.
Virginia	WFH	300, 600	PG	Goodrich Transit Co	Marconi Co.
Virginia	NVR	300,600	PG	Government	U. S. Navy.
Virginian	wĸv	300, 600	PG	American-Hawaiian S. S. Co.	Atlantic Com- munication Co.

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

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Vixen	NSU	300,600		Government	
Vulcan	NVT	300, 600	PG	do	U. S. Navy.
Wakiva	WLA			E. L. Doheny	
Wakiva	KYI			Lamon V. Harkness	
Walke	NWL	300, 600	PG	Government	U. S. Navy.
Wallula	WPY			Port of Portland	
Wana	KYX	300, 600	P	George C. Sherman	Marconi Co.
Warren	WXN	600	PG	Government	U. S. Army.
Warrington	NWD	300,600	PG	do	U. S. Navy.
Warrior	KYW			F. W. Vanderbilt	
Washington	NWE	300, 600	PG	Government	U. S. Navy.
Washingtonian	wĸw	300, 600	PG	American-Hawaiian S.S. Co.	
Washtenaw	WTH	300, 600	PG	Union S. S. Co. (Union Oil Co.).	Marconi Co.
Wasp	nsv	300, 600	PG	Government	U. S. Navy.
W. B. Flint	WHG			Libby, McNeill & Libby.	
W. B. Keene	KWK	300, 600		Hilton Dodge Transp.	Marconi Co.
West Virginia	NWG	300,600	PG	Government	U. S. Navy.
Western States	WED	300,600	PG	Detroit & Cleveland Nav. Co.	Marconi Co.
Wheeling	NWH	300,600	PG	Government	U. S. Navy.
Whipple	NWI	300,600	PG	do	U. S. Navy.
Whittier	WHT	300,600	PG	Max Dyer (Union Oil Co.).	Marconi Co.
Wild Duck	KYG			Paul E. De Fere	Marconi Co.
Wilhelmina	WMO	300, 600	PG	Matson Nav. Co	Marconi Co.
Willamette	wsw			Willamette S. S. Co	
William Chatham.	WMC.	300, 600	PG	William Chatham Co. (Inc.).	Marconi Co.
Wm. F. Herrin	WTN	300, 600	PG	Associated Oil Co	Marconi Co.
William P. Snyder	WER	300, 600	PG	Shenango S. S. Co	Marconi Co.
William P.Snyder, Jr.	WES	300, 600	PG	do	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—
Wilmington	NWK	300,600	PG	Government	U. S. Navy.
Wilpen	WEU			Shenango S. S. Co	
Windber	WND			Pacific-American Fisheries.	
Windom	NRW	300, 600	PG	Government	U. S. R. C. S.
Winifred	KTE	300, 600	PG	Gulf Refining Co	Marconi Co.
Winona	NRV	300, 600	PG	Government	U. S. R. C. S.
Winslow	NJA	300, 600	PG	do	U. S. Navy.
Wisconsin	NWM	300, 600	PG	do	U. S. Navy.
Woodbury	NRJ	300, 600	PG	do	U. S. R. C. S.
Worden	NWP	300, 600	PG	do	U. S. Navy.
W. S. Porter	WTM			Associated Oil Co	
Wyandotte	KNW			Montauk S. S. Co	
Wyoming	NWQ	600	PG	Government	U. S. Navy.
Yaguez	KDY	300, 600	PG	Ocean Freight Line (Inc.).	Marconi Co.
Yale	WRY	300, 600	PG	Metropolitan S. S. Co. (Pacific Steam Nav. Co.).	
Yamacraw	NRY	300, 600	PG	Government	U. S. R. C. S.
Yankton	NSK	300, 600	PG	do	U. S. Navy.
Yorktown	NQX	300, 600	PG	Government	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.
Zapora	WPQ			International Fisheries Co.	
Zealandia	KNR			C. L. Dimon	
Zulia	KDZ	300, 600	PG	Atlantic & Caribbean Steam Nav. Co. (Red D Line).	Marconi Co.

[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 KDB KDC	Philadelphia b Caracas b Douglas, Ariz c	KEL KEM KEN KEO	Comal b Satilla b Ossabaw b
KDD		KEP	Lampasasb
KDE		KEQ	
KDF		KER KES	San Jacintob
KDG		KET	Bolinas, Cal
KDH		KEU	
KDI		KEV	
KDJ		KEW KEX	Los Angeles, Cal
KDK KDL KDM KDN	Maracaibob San Luis Obispo, Calc	KEY KEZ KFA KFB KFC KFD	Brazos. b City of Columbus b City of Atlanta b City of Macon b City of Memphis b
KDP		KFE	
KDQ		KFF	Friedat
KDR KDS		KFG KFH KFI	Herman Frasch
KDT		KFJ KFK	City of Augustab
KDU KDV KDW	Juneau, Alaskac Graysonb Borinquenb	KFL	
KDX KDY KDZ	Bayamon b Yaguez b Zulia b	KFM. KFN	
KEA KEB	Coloradob Sabineb	KFO KFP	Nacoocheeb
KEC KED	Conchob	KFQ	
KEE		·	
KEF KEG KEH	Rio Grande b Nueces b	KFR KFS KFT	San Francisco, Cal
KEI		KFU	
KEJ KEK	San Marcosb	KFV	l

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

Vessel.	Call aignal	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Wilmington	NWK	300,600	PG	Government	U. S. Navy.
Wilpen	WEU			Shenango S. S. Co	
Windber	WND			Pacific-American Fisheries.	
Windom	NRW	300, 600	PG	Government	U. S. R. C. S.
Winifred	KTE	300, 600	PG	Gulf Refining Co	Marconi Co.
Winona	NRV	300, 600	PG	Government	U. S. R. C. S.
Winslow	NJA	300, 600	PG	do	U. S. Navy.
Wisconsin	NWM	300, 600	PG	do	U. S. Navy.
Woodbury	NRJ	300, 600	PG	do	U. S. R. C. S.
Worden	NWP	300, 600	PG	do	U. S. Navy.
W. S. Porter	WTM			Associated Oil Co	
Wyandotte	KNW			Montauk S. S. Co	
Wyoming	NWQ	600	PG	Government	U. S. Navy.
Yaguez	KDY	300, 600	PG	Ocean Freight Line (Inc.).	Marconi Co.
Yale	WRY	300, 600	PG	Metropolitan S. S. Co. (Pacific Steam Nav. Co.).	
Yamacraw	NRY	300, 600	PG	Government	U. S. R. C. S.
Yankton	NSK	300, 600	PG	do	U. S. Navy.
Yorktown	NQX	300,600	PG	Government	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.
Zapora	WPQ			International Fisheries Co.	
Zealandia	KNR			C. L. Dimon	
Zulia	KDZ	300, 600	PG	Atlantic & Caribbean Steam Nav. Co. (Red D Line).	Marconi Co.

[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 KDB KDC	Philadelphiab Caracasb Douglas, Arizc	KEL KEM KEN KEO KEP	Comal
KDE		KEQ	
KDF		KER	
KDG		KES KET	San Jacintol Bolinas, Cal
KDH		KEU	
KDI		KEV	
KDJ		KEW KEX	Los Angeles, Cal
KDK KDL KDM KDN	Maracaibob San Luis Obispo, Calc	KEY KEZ KFA KFB KFC KFD	Brazos
KDP		KFE	Oity of Memphis
KDQ		KFF	Frieda
KDR		KFG KFH	Herman Frasch
KDS		KFI KFJ KFK	I. D. Fletcher
KDT KDU KDV	Juneau, Alaskac Graysonb	KFL	Orty of Savannan
KDW KDX KDY	Borinquenb Bayamonb	KFM.	
KDZ KEA	Yaguezb Zuliab	KFN	
KEB	Coloradob	KFO KFP	Nacoochee
KEC KED	Conchob Denverb	KFQ	
KEE		ľ	
KEF KEG KEH	Rio Grande b Nueces b	KFR KFS KFT	San Francisco, Cal
KEI		K FU	
KEJ KEK	Alamob San Marcosb	KFV	

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

Call signal.	Station.	Call signal.	Station.
KFW		кнн	
KFX KFY	City of St. Louisb	KHI	Val. Wash Hamaii
KFZ KGA	Coamob	KHJ KHK KHL	Koko Head, Hawaii Kahuku, Hawaii Lahaina, Hawaii
KGB	Carolinab	KHM KHN	Lihue, Hawaii
KGC		кно	Kaunakakai, Hawaii
KGD		KHP KHQ	Phoenix, Ariz
KGE		KHR	
KGF		кня	
KGG KGH	Hollister, Calc	KHT	Naknek, Alaska
KGI		KHU	
KGJ	San Juanb	KHV	
KGK		KHW KHX	Heeia Point, Hawaii
KGL		KHY	
KGM		KHZ	
KGN		KIA	
KGO KGP	Ponceb	KIB	
KGQ		KIC	
KGR KGS	Senator Baileyb	KID KIE	Koko Head, Hawaii
KGT		KIF	
KGU		KIG	
KGV		KIH	
KGW		KII	
KGX		KIJ	James Duane
KGY		KIK	
KGZ KHA	Karluk, Alaskac	KIL	
KHB KHC	Kogiung, Alaskac Chignik, Alaskac	KIM	
KHD		KIN KIO	
KHE		KIP	
KHF KHG	Nushagak, Alaskac	KIQ	

Call	Station.	Call	Station.
signal.		signal.	
KIR		KJZ	
		KKA	Antillesb
KIS	Ellamar, Alaskac	KKB	El Solb
TT - CD		KKC	Chalmette b
KIT		KKD KKE	Comusb Topilab
KIU			
KIV		KKF	
KIW		KKG	
KIX		KKH	
KIY		KKI	
		KKJ	
KIZ KJA	Jualin, Alaskac	KKK	
KJB	Bunker Hillb		
KJC	000000000000000000000000000000000000000	KKL	El Albab
ĸjĎ	North Land b	KKM	Momusb
1102	Troite District	KKN	El Norteb
KJE		KKO KKP	Excelsior b
		KKQ	El Sudb
KJF		KKŘ	Creole b
KJG		KKS	El Siglob
MG		KKT	El Cidb
KJH		KKU KKV	El Mundob El Orienteb
		KKW	El Valleb
KJI		KKX	El Occidenteb
KJJ	Stripping to the Control of the	KKY	El Diab
		KKZ	El Riob
KJK		KLA	
KJL	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	KLB	
KJM	Massachusettsb		
KJN		KLC	
KJO	Old Colonyb	KLD	
KJP	Commission and the commission of the		
		KLE	
KJQ		KLF	
KJR KJS	North Starb	KLG	
KJT		KLH	
KJU		KLI	
KJV	,	KLJ	
		KLK	
KJW		KLL	
KJX			***************************************
KJY	l	KLM	h

Call signal.	Station.	Call signal.	Station.
KLN		KMW	
KLO		KMX	('olonb
KLP		KMY	
KLQ		KMZ	
KLR		KNA KNB	Dorothy Bradfordb Lexingtonb
KLS	Los Angeles, Calc	KNC KND	Concordb Beverlyb
KLT		KNE KNF	Evelynb
KLU			Carolynb
KLV		KNG	
KLW		KNH	
KLX		KNI	
KLY		KNJ KNK	New Jerseyb New Yorkb
		KNL KNM	Nelsonb
KLZ KMA	Alliançab		Millinocket
кмв		KNN	
KMC		KNO	
KMD KME	Cristobalb	KNP KNQ	Lucy Neffb
KMF		KNR KNS	Zealandiab Shinnecockb
KMG		KNT KNU	Montaukb
KMH	Panamab	_	Cultibi
KMI		KNV KNW	Wyandotteb
КМЈ		KNX	
кмк		KNY.	
KML		KNZ KOA	America
кмм		KOB KOC	Princess Anne
KMN KMO	Atlantic Cityb	KOD	Jefferson
KMP	O, W. MOISC	KOE	
		KOF	
KMQ		KOG	Madison
KMR KMS	Anconb	кон	,
КМТ		KOI	
KMU		KOJ	

Call signal.	Station.	Call signal.	Station.
KOL		KPY	
KOM		KPZ	
KON		KQA KQB	Berkshire
K0 0		KQC KQD	Cretanb Dorchesterb
KOP		ŘQĚ	Essexb
KOQ		KQF KQG	Gloucesterb
		KQH	Howardb
KOR	- <u>-</u>	KQI	Indianb
KOS	Brunswickb	KQJ	Juniata
TZ O/D		KQK	Kershaw
KOT		KQL	Lexingtonb
KOU	l	KQM KQN	Merrimackb
KOV	Olivetteb	KQO	Ontario
KOW -		KQP	Parthian
220 11	22200000	KŽQ	Quanticob
KOX		KÕŘ	Grecianb
	1,111,200,000,000,000,000,000,000	KQS	Somersetb
KOY		KQT	Tuscan
KOZ	Miamib	-	
KPA	Seattle, Wash	KQU	
KPB	Ketchikan, Alaskac		
KPC	Astoria, Oreg	KQV	
KPD	Friday Harbor, Washc		
TEDE		KQW	
KPE	The second	KQX KQY	Persian
KPF	Forwardb	KQZ	Powhatanl
KPG		v.fs	Suwannee
IXI G		KRA	
KPH	Hillcrest, Calc	KRB	Governor Cobbb
KPI	Avalon, Calc	KRC	Camdent
KPJ	East San Pedro, Calc	KRD	Belfast
	the second secon	KRE	Bay State
KPK		KRF	Ransom B. Fullert
KPL	Pilot Boyb	KRG	
KPM	Eureka, Cal	KRH	City of Bangorb
	1,	KRI	City of Rocklandb
KPN		KRJ	Relief
KPO		KRK KRL	Louise
KPP		KRM	23000
KPQ		KRN	Calvin Austinl
KPŘ	P. R. R. Barge 707b	KRO	Columbia
KPS	Satelliteb	KRP	Rescue
		KRQ	I. J. Merritt
KPT		KRŘ	Mills
	A CONTROL OF THE PROPERTY OF T	KRS	Savagel
KPU		KRT	
KPV			
KPW	Cape Codb Marshfield, Oregc	KRU	
	114' 1011 0	KRV	Governor Dingley

Call signal.	Station.	Call signal.	Station.
KRW		кто	
		KTP	8. O. Co. No. 94
KRX		KTQ	City of Everett
KRY	City of Baltimoreb	KTŘ	Radiant
KRZ	City of Norfolkb	KTS	Vesta
		KTT	Paraguay
KSA		KTU	Sun
		KTV	Toledo
KSB		KTW	Delaware Sun
	The state of the s	KTX	Socony
KSC		KTY	S. O. Co. No. 92
KSD	San Diego, Calc		
		KTZ	
KSE			
KŠF	Finlandb	KUA	
			110711111111111111111111111111111111111
KSG		KUB	
KSH	Kroonlandb		
		KUC	
KSI			
		KUD	
KSJ			
		KUE	
KSK			
KSL	St. Louisb	KUF	
KSM	Philadelphiab		
KŠN	New Yorkb	KUG	
KŠO	St. Paulb		
		KUH	
KSP			
	12 12 12 12 12 12 12 12 12 12 12 12 12 1	KUI	
KSQ			,
_		KUJ	
KSR			The same of the same of the same of the
	Address of the second s	KUK	
KSS	South San Francisco, Calc		
		KUL	
KST			Anna Carlotte and
		KUM	
KSU	.,,,.		
KSV	City of Richmondb	KUN	
KSW	City of Annapolisb		
KSX	Alabamab	KUO	
KSY	Floridab	KUP	Pettibone
KSZ	Virginiab		
KTA	Larimerb	KUQ	
KTB		KUR	
KTC	Shenangob		
KTD	Ligonierb	KUS	Florida
KTE	Winifredb	KUT	Pan American
KTF	J. M. Guffeyb		
KTG	Gulfoilb	KUU	
KTH	Illinoisb		
KTI	Brilliantb	KUV	
KTJ	Cometb		Learning Market Committee
KTK	John D. Archboldb	KUW	
KTL	Rayob	TO W	
KTM KTN	Eocene	KUX	
		M 1 1 X	

Call signal.	Station.	Call signal.	Station.
KUY		KWG KWH	Segurancab Havanab
KUZ		KWI	
KVA	Apacheb		
KVB KVC	Arapahoeb	KWJ	
	Communication	KWK	W. B. Keeneb
KVD		KWL	1
KVE		KWM	
KVF	Iroquoisb	KWM	•••••
KVG	Algonquinb Huronb	KWN	
KVH	Huron	ĸwo	
KVI		KWP	
KVJ	Seminoleb		
KVK KVL	Cherokeeb	KWQ	
KVM	Mohawkb	KWR	
KVN		KWS	Saratogab
ĸvo	•	KWT	
K:VP		KWÙ	
KVQ		KWV	Vigilanciab
KVR		KWW	
KVS		KWX KWY	Mexicob Montereyb
KVT		KWZ	Esperanzab
KVU	Elmer A. Keelerb	KXA KXB	Bostonb City of Lowellb
	Emer A. Rector,	KXC	Commonwealthb
KVV		KXD KXE	Maineb Mohawkb
KVW	South Americanb	KXF	New Hampshireb
KVX	Lundin power lifeboatb	KXG KXH	Pilgrimb Plymouthb
KVY		KXI	Priscillab
KVZ	Relayb	KXJ KXK	Providenceb Puritanb
KVZ	Reiny	KXL	City of Tauntonb
KWA		KXM KXN	Moheganb New Havenb
KWB			
KWC	Morro Castleb	KX0 KXP	Pequonnockb
		KXQ	Chester W. Chapinb
KWD		KXŘ	Richard Peckb
KWE		KXS	
KWF	l	KXT	

	1		
Call signal.	Station.	Call signal.	Station.
KXU		KZL	
KXV		KZM	
KXW		KZN	
KXX		KZO	
KXY		KZP	
KXZ KYA	Atalantab	KZQ	
KYB KYC	North Windb Corsairb	KZR	
KYD KYE	Cyprusb Cassandrab	KZ8	
KYF KYG	Florenceb Wild Duckb	KZT KZU	
KYH KYI KYJ	Aloha b Wakiva b Sayonara b	KZV	
KYK KYL	Kismetb Lysistratab	KZW	
KYM KYN	Columbiab Niagarab	KZX	
KYO KYP	Nomab Oneidab	KZY	
KYQ KYŘ	Californiab Karinab	KZZ	
KYS KYT	Sea Otterb Vanadisb	NAA	Arlington, Radio, Vac
KYU KYV	Mohawkb Adventuressb	NAB NAC	Portland, Mec
KYW KYX	Warriorb Wanab	NAD NAE NAF	Boston, Massc Cape Cod, Massc
KYY KYZ	North Starb	NAG NAH NAI	Newport, R. I
KZA		NAJ	
KZB		NAK NAL	Annapolis, Mdc Washington, D. Cc
KZC KZD		NAM NAN NAO	Norfolk, Vac Beaufort, N. Cc
KZD KZE		NAP NAQ	Charleston, S. C
KZF		NAR NAS	Key West, Flac Pensacola, Flac
KZG		NAT NAU	New Orleans, Lac San Juan, P. Rc
KZH		NAV	
KZI		NAW NAX	Guantanamo Bay, Cubac Colon, Panamac
KZJ		NAY	
KZK	L	NAZ	J

Call signal.	Station.	Call signal.	Station.
NBA		NCK NCL	Beale b
NBB			
NBC		NCM NCN	Birminghamb
NBD		NCO	
NBE		NCP	
NBF		NCQ	
NBG NBH	Ajaxb	NCR	
NBI NBJ	Alabamab	NCS	
		NCT NCU	Pugal.
NBK NBL	Alertb	NCV	Buffalob Burrowsb
NBM		NCW	
NBN		NCX	0
NBO		NCY NCZ	Caesarb
NBP	Ammenb	NDA NDB	Castine
NBQ NBR	Annapolisb	NDC	
NBS		NDD	
NBT		NDE	
NBU NBV	Arethusa b Arkansas b	NDF NDG NDH	Chester
NBW		NDI	Chicagot
NBX		NDJ	
NBY		NDK NDL	Cincinnati
NBZ		NDM NDN	Cleveland
NCA		NDO	Colorado
NCB NCC	New Yorkb		
NCD	Texasb	NDP NDQ	Connecticut
NCE NCF	Baileyb	NDR	
NCG		NDS	
NCH NCI	Baltimoreb	NDT NDU	Culgoa1
NCJ	l	NDV	l

Call signal.	Station.	Call signal.	Station.
NDW		NFH	
NDX NDY		NFI	
	Cyclopsb	NFJ	
NDZ		NFK	
NEA		NFL	
NEB		NFM	Fanning
NEC		NFN	
NED		NFO	
NEE		NFP	
NEF NEG		NFQ NFR NFS	FloridaFlueser
NEH		NFT NFU	Ranger
NEI		NFV	
NEJ		NFW	
NEK	Delawareb	NFX	
NEL NEM NEN	Denverb Des Moinesb	NFY	
NEO NEP NEQ	Dixieb Dolphinb	NFZ NGA NGB	Columbia
NER		NGC NGD	Galveston
NES NET NEU	Draytonb Dubuqueb	NGE NGF	Georgia
NEV		NGG NGH NGI	Glacier
NEW		NGJ NGK	Goldsborough Marblehead
NEX		NGL	
IEY		NGM	
NEZ NFA	Brooklynb	NGN	
NFB NFC	Milwaukeeb Eagleb	NGO	
NFD NFE	Elcanob Charlestonb	NGP	
NFF		NGQ	
NFG		NGR	

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

Call ignal.	Station.	Call signal.	Station.
IGS		NIG	
· GB		NIH	Aylwin
IGT		NII	Balch
ĬĞŪ	Hannibalb	ŇIJ	Benham.
iau	Hallingai	NIK	Cassin
IGV		NIL	Cummings
W		NIM	Cushing.
TO TO		NIN	Downes
IGW	177 - A-10		Kansas.
GX	Hectorb	NIO NIP	
GY	Helenab		Kearsarge
		NIQ	Kentucky
GZ	. <u></u>	NIŘ	Duncan
HA	Henleyb		
		NIS	
HB		NIT	McDougal
H C	Hopkinsb	NIU	Nicholson
HD	Monadnockb	NIV	O'Brien
HE	Hullb	NIW	Lamson
		NIX	Parker
HF	A STATE OF THE PROPERTY OF THE	NIY	Lawrence
ĦĠ	Amphitriteb	NIZ	Lebanon
ĦН	Ozarkb	NJA	Winslow
HI	Hancockb	NJB	Louisiana.
ш	Hancock	NJC	Decatur
HJ			Decatur
нк		NJD	
		NJE	
HL		NJF	
HM		NJG	
HN		NJH	Macdonough
HO	Illinoisb	14311	macdonough
по		NJI	
ΙHΡ			
HQ	Indianab	NJJ	
HR		NJK	
		NJL	Maine
HS		MIN	
HT	[lowab	NJM	
HU	<u>Irisb</u>	*****	
HV	Iroquoisb	NJN	
HW		NJO	
ТНХ		NJP	
		NJQ	Marietta
HY	[NJR	Mars
		NJS	Maryland
HZ		NJT	Massachusetts
İA	Bainbridgeb	NJU	Mayrant
IB	Jarvisb	NJV	Mayflower
IC		NJW	McCall
ĬĎ	Jenkinsb	NJX	been for the state of the state
ΪĒ	Jouettb	710 4F	
***	# Ou Col	NJY	
IF	I	NJZ	Michigan
1.0		1174	· michikan

Call signal.	Station.	Call signal.	Station.
NKA		NLP	
NKB		NLQ	
NKC		NLR	
NKD	Minnesotab	NL8	
NKE NKF	Missourib	NLT	
NKG		NLU	
NKH		NLV	
NKI		NLW	
NKJ		NLX	
NKK NKL	Monaghanb	NLY	
NKM NKN NKO	Montana b Monterey b Montgomery b	NLZ NMA NMB NMC	Nebraskab Nerob Vestalb
NKP		NMD	V estat
NKQ		NME NME	New Hampshire
NKR		NMG NMH	New Orleans
NKS		NMI	
NKT		NMJ	
NKU		NMK	
NKV		NML	
NKW		NMM	
NKX NKY NKZ	Nashvilleb Navajob	NMN NMO	North Carolinab North Dakotab
NLA NLB	Nantucket Shoals Lightshipc Diamond Shoals Lightshipc	NMP	
NLC NLD	Frying Pan Shoals Lightshipc Relief Lightship 66 or 85b	NMQ	
NLE NLF	Relief Lightship 71 or 72b Kukuib	NMR NM8	Neptuneb
NLG NLH	Relief lightship 94 or 53b Pattersonb	NMT	
NLI NLJ NLK	Explorerb Pathfinderb Bacheb	NMU	
NLL	Dacie	NMV NMW	Ohiob
NLM		NMX	Omo
NLN		NMY	
NLO		NMZ	Oregonb

Call signal.	Station.	Call signal.	Station.
NNA	Brutusb	NOL	Patapsco
NNB	Jasonb	NOM	Patuxent
NNC	Jupiterb	NON	Paulding
14140	aupitor	11011	1 auding
NND		NOO	
BIBIE		NOP	Paul Jones
NNE		MOO	A Production of the Company
NNF	Nereusb	NOQ	
NNG NNH	Proteusb	NOR	
иип	Leomons	NOR	
NNI		NOS	
NNJ	Justinb	NOT	Pittsburghl
NNK	Nanshanb		
NNL .		NOU	
NNL		NOV	
NNM	Saturnb	Now	Peoria.
111101	Davara	NOX	Perkins.
NNN		NOY	Perry
212121		NOZ	Patrol 1
NNO		NPA	Cordova, Alaska
		NPB	Sitka, Alaska
NNP		NPC	Puget Sound, Wash
		NPD	Puget Sound, Wash
NNQ		NPE	North Head, Wash
		NPF	Cape Blanco, Oreg
NNR		NPG	La constitución de la constituci
NNS		NPH	Mare Island, Cal
14140		NPI	Farallons, Cal
NNT		ÑPĴ	Balboa, Panama
		NPK	Point Arguello, Cal
NNU		NPL	San Diego, Cal
		NPM	San Diego, Cal
NNV		NPN	Guam, Marianne Islds
	Name of the second seco	NPO	Cavite, P. I
NNW		NPP	Peking, China
	The second secon	NPQ	St. Paul, Pribliof Isids., Alaska.
NNX		NPR	Dutch Harbor, Alaska
		NPS	Kodiak, Alaska
NNY		NPT	Olongapo, P. I.
272777		NPU	Tutuila, Samoa Unalga, Alaska
NNZ		NPV	Unalga, Alaska
NOA	Osceolab	NPW	Eureka, Cal
NOB	Abarendab	MDV	C. No. and a second of the second of the second
NOC	Orionb	NPX NPY	St. George, Pribilof Islds.
NOD		MII	Alaska
			The state of the s
NOE		NPZ	
NOF		370.	
NOG	Paducahb	NQA	
HOM		NQB	
NOI		NQC	
ŇŎĴ	Pantherb		
	Patterson b	NQD	I to the contract of the contr

Call signal.	Station.	Call signal.	Station.
1QE		NSC	
iÕF	Pompeyb		
		NSD	
1 Q G		NSE	
HQH		NSF	
IQI			
ίζĴ	Isla de Luzonb	NSG	
IČK	Potomac b		
IQK IQL	Machiasb	NSH	
MQI	Prairieb		
iQN	Prebleb	NSI	
100	Prestonb		
İQ̈́P	Princetonb	NSJ	
įŽQ	Monocacyb	NSK	Yankton
iQŘ	Prometheusb	NSL	Gloucester
ios	Paloe b		a.ouecasta
įζ̃Τ	Pampangab	NSM	
TOT		NSN	
IQU IQV	Sacramentob	NON	
		NSO	
QW	37.32	Mon	
QX	Yorktownb	NSP	0 141
QΥ	Albatrossb	NSQ	Smith
IQZ		NSR	
IRA	Algonquinb	Maa	
IRB	Bearb	NSS	
IRC	Morrillb	NST	Solace
IRD	Androscogginb	MOTT	Activities and the contract
IRE	Senecab	NSU	****
IRF	Snohomishb	NSV	Wasp
TRG	Gresham b	NSW	South Carolina
RH	McCullochb	NSX	South Dakota
IRI	Itascab		
IRJ	Woodburyb	NSY	
IRK	Tahomab		
IRL	Tuscarorab	NSZ	
IRM	Mohawkb	NTA	Ontario
IRN	Manningb	NTB	Sterrett
RO	Onondagab	NTC	Stewart
IRP	Apacheb	NTD	Rainbow
IRQ	Miami	NTE	Raleigh
RŘ	Pamlicob	NTF	St. Louis
IRS	Seminoleb	NTG	Sonoma
IRT	Thetisb		
IRU	Acushnetb	NTH	
RV	Winonab		The second secon
IRW	Windomb	NTI	
IRX	Unalgab		The second secon
IRY	Yamacrawb	NIMI	
RZ	New London, Connc	NTJ	
		NTK	Supply
SA		NTL	Sylph

¹This station will accept general public service in emergencies, when open.

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

Call signal.	Station.	Call signal.	Station.
NTN		NUZ NVA	Farragut
NTO NTP	Salem b	NVA	rarragut
NTQ NTR	San Franciscob Saratogab	NVC	
NTS	Scorpionb	NVD	
NTT NTU	Reidb	NVE NVF	Utah
NTV		NVG	
NTW NTX	Rhode Islandb	NVH	
NTY		NVI.	
NTZ NUA	Roeb Tacomab	NVJ NVK	Vermont
NUB NUC	Tallahasseeb	NVL	
NUD		NVM NVN	Vesuvius
NUE			Vicabouig
NUF NUG	Tennesseeb	NVO NVP	Villalobos
NUH NUI	Terryb	NVQ NVR	Virginia
NUJ		NVS NVT	Vulcan
NUK		NVU	
NUL		NVV	
NUM NUN	Tonapahb	NVW	
NUO		NVX	
NUP NUQ	Trippeb	NVY NVZ	
	тпрре	NWA	
NUR NUS	Truxtonb	NWB	
NUT		NWC	
NUU		NWD	Warrington
NUV		NWE	Washington
NUW NUX	Sotoyomob	NWF NWG NWH	West Virginia
NUY		NWI	Whipple

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

Call signal	Station.	Call signal.	Station.
NWJ		NXQ	
NWK	Wilmingtonb		
	William Mon	NEED	
NWL	Walkeb	NXR	· <u>··</u> ·········
MWM	Wisconsinb	NX8	E-1
		NXT	E-2
NWN		NXU NXV	F-1
OWN		NXW	F-3
NWP	Wordenb	NXX	F-4
W Q	Wyomingb	NXY	G-1
•		NXZ	G-2
NWR	and a state of the	NYA	G-3
1 11 20		NYB	G-4
77770			
SWI		NYC	H-1
		NYD	<u>H</u> -2
TW		NYE	H-3
		NYF	K-1
UWI	The Department of Eastern Service Co.	NYG	K-2
••••		NYH	K-3
VWV		NYI	K-4
4 44 4		NII	
		NYJ	K-5
WW!		NYK	<u>K</u> -6
		NYL	K-7
XWV		NYM	K-8
wy		NYN	
, W T		1111	
VWZ		NYO	
AX		NYP	
NXB		NYQ	
NXC		NYR	
17TD	the control of the second	3/370	
NXD		NY8	
NXE		NYT	
NXF		NYU	
_			
NXG		NYV	
HXN		NYW	
NXI		NYX	
NXJ	THE WITH THE THE THE THE	NYY	
NXK		NYZ	
NXL	,	NZA	
NXM		NZB	
NXN		NZC	
		1	
NXO		NZD	
		NZE	

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

Call signal.	Station.	Call signal.	Station.
NZF		WAP	
NZG		WAQ	
NZH		WAR WAS	Cordova
NZI		WAT WAU	Dolphin
NZJ		WAV	Seward
NZK		WAW	Admiral Watson
NZL		WAX WAY WAZ	Admiral DeweyAdmiral Schley
NZM NZN		WBA WBB	Santa Clara Santa Cecilia
NZO		WBC WBD	Santa Catalina
NZP		WBE	
NZQ		WBF WBG	Boston, Mass
NZR		WBH WBI	Chippewa. D., L. & W. R. R. limite
NZS			
NZT		WBJ WBK	Breakwater
NZU		WBL WBM	Buffalo, N. Y
nzv		WBN WBO WBP	Benton Harbor, Mich Nann Smith Hermosa
NZW		WBQ WBR	Bertha
NZX		WBS WBT	Baltimore, MdBinghamton, N. YHoboken, N. J
NZY	Washington, D. Cc	WBU WBV	Hoboken, N. J
NZZ	Tarragonb	WBW WBX	Burrwood, La Dover, N. J.
WAA WAB	Alamedab Admiral Evansb		DOVOI, 14. 0
WAC	Chicagob	WBY WBZ	Glory of the Seas
WAD WAE	Victoriab Edithb	WCA	Tionesta
WAF	Admiral Farragutb	WCB WCC WCD	Juniata
WAG WAH	Dorab	175.00	Marie and the control of the control
WAI	Latoucheb Jeffersonb	WCE WCF	Favorite
WAJ		WCG WCH	FavoriteBrooklyn, N. YBoston, Mass
WAK WAL	Santa Anab	WCH	Newport, R. I.
WAM	N al-	W CJ	
WAN WAO	Northwesternb Dirigob	WCK	

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

Call signal.	Station.	Call signal.	Station.
WOI		WEG	City of St. Ignace
WCL	• • • • • • • • • • • • • • • • • • • •		City of bl. Iguaco
WCM	Calumet, Mich	WEH	City of Alpena II
VCN	North Landb		
	1	WEI	
vco		WEJ	Nyack
100		WEK	Minnesota
			E C Co
VCP		WEL	E. G. Crosby
WCO		WEM	
VCQ	The Harvesterb	WEN	North American
VCR	Ine Harvester		
	1	WEO	South American
VCS		WEP	El Paso, Tex
VCT	Theodore Rooseveltb	WEQ	Col. James M. Schoonmaker.
		WER	William P. Snyder
VCU		WES	William P. Snyder, Jr
VCU			Ohonones
		WET	Shenango
VCV		WEU	Wilpen
vcw		WEV	
		WEW	Marguetta & Passamon No. 1
VCX	Cleveland, Ohioc		Marquette & Bessemer No. 1.
VCY	Cape May, N. J	WEX	Marquette & Bessemer No. 2.
₩CZ	Illinoisb	WEY	Alvina
VDA	Pere Marquetteb	WEZ	Ashtabula
VDB	Pere Marquette 19b	WFA	Georgia
VDC	Pere Marquette 17b	WFB	Alabama
		WFC	Indiana
VDD	Pere Marquette 18b		Indiana
VDE	Pere Marquette 20b	WFD	Iowa
		WFE	Carolina
WDF		WFF	Fort Worth, Tex
		WFG	Arizona
WDG		WFH	Virginia
II DG		WFI	Chicago
			CIII Cago
HUA		WFJ	Christopher Columbus
WDI	City of South Havenb	WFK	Frankfort, Mich
₩DJ	Lakeportb	WFL	Sheboygan
VDK	Lakewoodb	WFM	Fort Morgan, Ala
WDL	Lakelandb	WFN	Eastland
		*****	Dastiand
MDM	Duluth, Minnc	WEG	
WDN	Ann Arbor No. 3b	WFO	
WDO	Ann Arbor No. 4b	WFP-	City of Erie
VDP	Ann Arbor No. 5b	WFQ	City of Buffalo
		WFR	State of Ohio
VDQ		WFS	Seeandbee
WDŘ	Detroit, Michc	",,,	
		MIND	Service Market Services
VDS	City of Grand Rapidsb	WFT	
WDT	City of Chicagob		
WDU	Puritanb	WFU	
WDV	City of Benton Harborb		The state of the s
wĎw	Holland b	WFV	
"		WFW	Manitou
W TO W		WFX	Missouri
WDX			Sialia
VDY	Lydoniab	WFY	U.G.I.S.
TT -		WFZ	
$\mathbf{W}\mathbf{D}\mathbf{Z}$	City of Cleveland IIIb	WGA	City of Seattle
WEA	City of Cleveland IIIb	WUA	Orby Of Docume
WEB	City of Mackinac II b	WGB	
WEC	City of Detroit IIb	MAD	
	Western States	Waa	
WED	Western Statesb	WGC	
	Eastern States b	WGD	Delhi
WEE WEF	City of Detroit IIIb	WGE	Spokane

Call signal.	Station.	Call signal.	Station.
WGF		WIB	
WGG WGH	Tuckerton, N. Jc Grand Haven, Michc	WIC	
WGI		WID	
WGJ-		WIE	
WGK		WIF	
WGL WGM	Grand Marais, Minnc	WIG	
WGN WGO	Santa Rosa. b Chicago, Ill. c	WIH	Belmar, N. Jc
WGP WGQ	Presidentb City of Pueblab	WIJ	
WGR WGS	Governorb Senatorb	WIK	
WGT WGU WGV	Congressb Umatillab Galveston, Texc	WIL	
WGW	Gaiveston, 1ex	WIM	
WGX WGY	Queen b City of Topeka b	WIN	
WGZ WHA	Guardian b Cape Hatteras (Buxton), N. C. c	WIO	
WHB	New York, N. Y	WIP	
WHD WHE	New York, N. Y	WIQ	
WHF WHG	W. B. Flintb	WIS	
WHH	St. Francesb New York, N. Yc	WIT	United Statesb
WHJ WHK	New Orleans, La	WIU	
WHL	Venturab Sonomab	WIV	
WHN	Hanaleib	WIW	
WHO WHP WHQ	Mariposab Mackinac Island, Michc	WIY	
WHR WHS	North Starb Adeline Smithb	WIZ	
WHT	Whittierb	WJA	
WHU		wjb	
WHV WHW WHX	Mackinawb Humboldtb	wjc	
WHY	11 um points	WJD	
WHZ		WJE	
WIA	l	WJF	l

Call signal.	Station.	Call signal.	Station.
WJG		WKX	Missourianb
WJH		WKY WKZ	Nebraskan b Nevadan b
WJH		WLA	Wakivab
WJI		WLB WLC	Belugab New London, Connc
WJJ		WLD	Ludington, Mich
WJK		WLE	
WJL		WLF	
WJM		WLG	
WJN		WLH	
wjo		WLI	Iaquab
WJP		WLJ	
		WLK	
WJQ		WLL	
WJR		WLM	
wjs		WLN	Newton, Mass
WJT		WLO	
WJU		WLP	
WJV	Trababase N. T	WLQ	
WJW WJX	Hoboken, N. Jc Jacksonville, Flac	WLR	
WJY		WLS	
wjz		WLT	
WKA WKB	Alaskanb Arizonanb	WLU	
WKC	Californianb		
WKD WKE	Dakotanb Kentuckianb	WLV	
WKF	American b	WLW	
WKG	Georgianb	****	
WKH WKI	Honolulanb	WLX	
WKJ	Iowanb	WLY	
WKK	Kansanb	WLZ	
WKL	Mexicanb	WMA	Multnomahb
WKM WKN	Minnesotan	WMB	Mobile, Alac
WKO	Oregonianb	WMC	William Chathamb
WKP	Pennsylvanianb	WMD	
WKQ	Ohioanb	WME	Milwaukee, Wis
WKR	Panamanb	WMF	Celilob
WKS WKT	Columbianb		
WKU	Hawaiianb	WMG	
WKV	Virginianb	WMH	
WKW			Minnesotab

Call signal.	Station.	Call signal.	Station.
WMJ		WOF	
WMK	Hyadesb	WOI	
	Lurlineb	WOO	
WML		WOG	
WMM	Hilonianb		
WMN	Enterpriseb	WOH	
WMO	Wilhelminab		
WMP	Matsoniab	WOI	
WMQ	Manoab	WOJ	
WMR		WOK	•
WMS		WOK	
WMT	General Hubbard b	WOL	
WMU		WOM	
WMV		WON	
WMW	Manitowac Wig		
WMX	Manitowoc, Wisc Manistique, Michc	woo	
WMY	Yucatanc		
	z ucaumi	WOP	
WMZ		WOQ	
WNA		WAR	
WNB	Oliver J. Olsonb	WOR	
WNC	Carlosb		
WND	Windberb	wos	Samsonl
WNE	Nushagakb		
WNF	Lvrab	WOT	
WNG	George W. Fenwickb		
WNH	Lewis Luckenbachb	wou	
WNI	Leelanawb	wov.	Venetia
ŴŊĴ	Navajob		V CHCCHG:::::::::::::::::::::::::::::::::
WNK		wow	l
	Al-Kib	WOW	
WNL	Diamond Headb	WOR	
WNM	Damarab	wox	
WNN	Corwinb		
WNO	A. G. Lindsayb	WOY	
WNP	Pleiadesb		
WNO		woz	
WNQ WNR	Rochelleb	WPA	Santa Cruz
	Kochelle		
WNS	Kvichakb	WPB	Tyee Junior
WNT	Kvichakb New York, N. Yc	WPC	Tyeel
WNU	New Orleans, La	WPD	Tampa, Fla
WNV	Portlandb	WPE	Tatooeh
WNW	San Ramonb		
WNX	Northlandb	WPF	
WNY	St. Helensb	WPG	Goliahl
WNZ		WPH WPI	Independent
WOA			
WOB		WPJ WPK	Kingfisherl
woc		WPL	
WOD		2 4	
-		WPM	

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

Call signal.	Station.	Call signal.	Station.
wpo		WQX WQY	Yosemite
WPP		WQZ	1 2
WPQ	Zaporab Ensenada, P. Rc	WRA	Henry T. Scott
WPR WPS	Starrb	WRB WRC	Berlin
WPT		WRD	
WPU		WRE WRF	Fifield
WPV		WRG	
WPW	Columbiab	WRH WRI	HarvardParaiso
WPX	Oneontab	WRJ	Aroline.
WPY WPZ	Wallula b Joseph Pulitzer b	WRK	Falcon
WQA		WRL WRM	Riverside
WQB		WRN	Nome City
WQC	Caminob	WRO	Isle Royal, Mich
WQD WQE		WRP	
WQE	Edgar H. Vanceb	WRQ WRR	Roanoke
WQF WQG		WRS	Santa Clara
WQG	Greenwoodb	WRT WRU	Geo. W. Elder
WQH		WRV WRW	Alliance
WQI		wrx	
WQJ		WRY	Yale
wQK		WRZ WSA	Ashtabula, Ohio
WQL		WSB	
WQM		WSC WSD	Siasconset, Mass
		WSE	Seagate, N. Y
WQN		WSF WSG	Norwood
wqo		WSH	
WQP		WSI WSJ	Sault Ste. Marie, Mich John A. Hooper
WQQ		WSK WSL	Sagaponack, N. Y
WQR WQS	Speedwell b	WSM	
WQT	Speedwen	WSN WSO	Centralia
-		WSP	
WQU	Late Total Control of the Control of	wsQ	
wqv		WSR WSS	Reuce
wQw		WST	Miami, Fla

Call signal.	Station.	Call signal.	Station.
wsu		wux	
WSV	Sampach Ca	WOA	
	Savannah, Gac	1177737	
WSW	Willametteb	WUY	
WSX	Klamathb Virginia Beach, Vac		
WSY	Virginia Beach, Vac	WUZ	
		WVA	Circle City, Alaska
\mathbf{wsz}		WVB	Fairbanks, Alaska
WTA	Erskine M. Phelpsb	WVC	Fort Egbert, Alaska
WTB	Argyllb	WVD	Fort Gibbon, Alaska
WTC	Lansingb	WVE	Fort St. Michael, Alaska
WTD	Oleumb	WVF	Kotlik, Alaska
WTE	Romab	WVG	Nome, Alaska
WTF	Santa Mariab	WVH	Nulato, Alaska
		wvi	
WTG	Santa Ritab		Petersburg, Alaska
WTH	Washtenawb	WVJ	Wrangell, Alaska
WTI	Cataniab		
		WVK	
WTJ		WVL	Fort Frank, P. I
WTK	J. A. Chanslorb	WVM	Fort Hughes, P. I
		WVN	Fort Mills, P. I
WTL		wvo	Davao, P. I
WTM	W. S. Porterb	WVP	Fort Drum, P. I
WTN	Wm. F. Herrinb	WVQ	Fort Wm. McKinley, P. I
WTO	Frank H. Buckb	WVŘ	Fort Wint, P. I
	Scranton, Pac	wvs	Jolo, P. I.
WTP		WVT	Malabang, P. I
WTQ	El Segundob		Malabang, F. I
WTR	Richmondb	WVU	Manila, P. I
WTS	Col. E. L. Drakeb	WVV	Puerto Princesa, P. I
WTT	Atlasb	WVW	Zamboanga, P. I
$\mathbf{W}\mathbf{T}\mathbf{U}$	S. O. Co. No. 91b	WVX	Cuyo, P. I
$\mathbf{W}\mathbf{T}\mathbf{V}$	Captain A. F. Lucasb	WVY	San Jose, P. I
WTW	Maverickb		
WTX	Asuncionb	WVZ	
WTY	S. O. Co. No. 93b	WWA	China
WTZ	S. O. Co. No. 95b	WWB	Beaver
WUA.	Fort Andrews, Massc		
WUB	Fort Hancock, N. Jc	wwc	
wuc	Fort H. G. Wright, N. Yc	WWD	Bear
WUD	Fort Leavenworth, Kansc	WWE	Manchuria
		WWF	City of Para
WUE	Fort Levett, Me	wwg	City of Sydney
WUF	Fort Monroe, Vac		
<u>wug</u>	Fort Monroe, Vac	WWH	Newport
WUH	Fort Omaha, Nebrc	WWI	Pennsylvania
$\mathbf{w}\mathbf{u}\mathbf{i}$	Fort Riley, Kansc	WWJ	Peru
WUJ	Fort Sam Houston, Texc	WWK	Korea
WUK	Fort Stevens, Oregc	WWL	San Jose
WUL	Fort Totten, N. Yc Fort Wood, N. Yc	WWM	San Juan
WUM	Fort Wood, N. Y	WWN	Mongolia
WUN	Fort Worden, Washc		
wuo	Fort Winfield Scott, Calc	wwo	
WUP	Washington, D. C	WWP	City of Panama
WUQ	Washington, D. C	WWQ	Aztec
MOG	washington, D. C	wwĸ	Rose City
WUR		wws	Kansas City
wus		wwr	
WUT		wwu	Siberia
WUU	Post Leavenmenth Vers	wwv	
$\underline{\mathbf{w}}\underline{\mathbf{v}}$	Fort Leavenworth, Kansc Fort Terry, N. Y	www	
WUW			

Call signal.	Station.	Call signal.	Station.
wwx		WYU	
wwy		WYV	
wwz		WYW	
WXA	Bufordb		:
WXB	Crookb	WYX	·
WXC	<u>Dixb</u>		1
WXD	Kilpatrickb	WYY	· · · · · · · · · · · · · · · · · · ·
WXE	Liscumb	*******	1
WXF	Loganb	WYZ	
WXG	Meadeb	777/7 A	
WXH	McClellanb	WZA	
WXI	Merrittb	Wan	
WXJ	Sheridanb	WZB	
WXK	Shermanb	WOO	
WXL	Sumnerb	WZ C	
WXM WXN	Thomasb Warrenb	WZD	J. I.
wxo		WZE	
WXP		WZE	1
WAP		WZF	
WXQ		WZG	Fort De Russey, Hawaii
WXŘ	Burnsideb	WZH	Fort Shafter, Hawaii
wxs		WZI	l
WXT	Joseph Henryb		
WXU	Navesinkb	WZJ	
wxv		WZK	
WXW		WZL	
WXX		WZM	
WXY		WZN	*
WXZ		11211	
WYA	General Royal T. Frankb	WZO	
WYB	General S. N. Millsb		
WYC	Major Samuel Ringgoldb	WZP	1
WYD	General Henry T. Huntb		
WYE	General Henry Knoxb	WZQ	
WYF	General E. O. C. Ordb		
WYG	The second desired and the second sec	WZR	
WYH	General Robert Andersonb		
WYI	Captain Chas. W. Rowellb	WZS	
ŴŶĴ	General A. M. Randolb	3376700	
WYK	General Harvey Brownb	WZT	
ŴŸĹ	General R. B. Ayresb	337977	
WYM	Captain James Fornanceb.	WZU	
WYN	Renob	wzv	
WYO	Major Evan Thomasb	W Z V	
WYP	Captain Barrettb	wzw	Ţ
WYQ		wzx	
WYR		WZA	
WYS		WZY	
WYT	Captain A. M. Wetherillb	WZZ	

SPECIAL STATIONS, GROUPED BY DISTRICTS.

	FIRST DISTRICT.		FIFTH DISTRICT.
1XA 1XB 1XC 1XG	Amesbury, Mass. Boston, Mass. Chelsea, Mass. Pittsfield, Mass.	5XC 5ZD	Memphis, Tenn. Memphis, Tenn.
1XH 1XI 1XP 1XW 1YH 1ZO	Boston, Mass. Gloucester, Mass. Cambridge, Mass. Watchaug Pond, R. I. Cambridge, Mass. New Bedford, Mass. SECOND DISTRICT. Slingerlands, N. Y.	6XA 6XB 6XC 6XH 6XL 6XR 6XR 6XS	San Francisco, Cal. Berkeley, Cal. Oakland, Cal. San Francisco, Cal. Los Angeles, Cal. Berkeley, Cal. Alameda, Cal. Oakland, Cal. Oakland, Cal.
2XH 2XM 2XN 2XT 2XT	New York, N. Y. Columbia University, New York, N. Y. New York, N. Y. Steamship "Tyler." Summit, N. J.	6YL 6YS	Los Angeles, Cal. San Diego, Cal. BIGHTH DISTRICT. Ann Arbor, Mich.
2ZH	Nutley, N. J. THIRD DISTRICT.	8YD	Detroit, Mich. NINTH DISTRICT.
3XB 3XC 3XJ 3XR 3ZD 3ZF 3ZH 3ZR 3ZS	Takoma Park, Md. Philadelphia, Pa. Philadelphia, Pa. Hyattsville, Md. Riverdale, Md. Friendship Heights, D. C. Washington, D. C Quarantine, Md. St. Davids, Pa.	9XB 9XD 9XH 9YC 9YI 9YN 9ZE	Beloit, Wis. Valparaiso, Ind. Kansas City, Mo. St. Louis, Mo. Ames, Iowa. Grand Forks, N. Dak. Minneapolis, Minn.
	FOURTH DISTRICT.		
4XA 4XG 4XL 4YC	Key West, Fla. Atlanta, Ga. Savannah, Ga. Charleston, S. C.		

PART II.

AMATEUR RADIO STATIONS.

FIRST DISTRICT.

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

ALPHABETICALLY BY OWNERS OF STATIONS.

Callsignal.	Owner of station.	Location of station.	Power.
		0.00	Watts.
1TC	Aerogram Club of New- port.	16 John St., Newport, R. I	350
1HL	Affel, Herman A	45 St. Botolph St., Boston, Mass	100
1GM	Allen, J. Wyman	236 Hale St., Beverly, Mass	250
1HA	Allison, William H	37 Plantation St., Worcester, Mass	500
1KJ	Anderson, Arvid E	Shore St., Falmouth, Mass	10
1HT	Anderson, James H	132 White St., Belmont, Mass	100
1NA	Andonegui, Lane	1010 Mass. Ave., Cambridge, Mass	250
1ME	Angell, Otis P	20 Trowbridge St., Cambridge, Mass	500
1MA	Anthony, Harvey M	Harvard University, Cambridge, Mass	250
1KQ	Armstrong, James B	15 Bradford Rd., Newton Highlands, Mass.	50
1UJ	Ashworth, Harry	34 Heath St., Providence, R. I	100
1CO	Atkins, Harry C	57 Pine St., Franklin, N. H	100
10Z	Baer, Louis F	3 Washburn St., East Weymouth, Mass	10
1WE	Baldwin, James P	66 Forest St., New Britain, Conn	25
1VK	Barnes, Howard M	12 Hawkins St., New Britain, Conn	25
1IT	Barnes, Irving T	377 Main St., Waltham, Mass	10
1WB	Barnum, Roland B	250 Sherman Ave., New Haven, Conn	50
1WJ	Barrett, John H	64 Lafayette Pl., Greenwich, Conn	10
1UQ	Barth, Karl E	229 Washington Ave., Providence, R. I	1,00
1KX	Batcheller, Arthur	199 Sherley Ave., Revere, Mass	150
1IY	Baxter, Horace M	160 Foster St., Brighton, Mass	10
1MC	Baylies, Milton A	111 Grinnell St., New Bedford, Mass	50
1TR	Bazinet, Wilfred J	1667 Westminster St., Providence, R. I	25
1CZ	Bean, Harold W	82 S. Main St., Penacook, N. H	1,00
1PB	Bean, John E., jr	Church St., Merrimac, Mass	6
1PA	Beckman, Carl W	243 Arnold St., New Bedford, Mass	25
1NF	Beecher, George E	416 Allen St., Springfield, Mass	10
1VL	Belknap, Edward L	91 Vine St., Hartford, Conn	100
1ND	Bellis, Clifford B	9 Brown St., Waltham, Mass	20
1HY	Bennett, Lawrence S	2 Lawrence St., Everett, Mass	50
1IE	Bennett, William F., jr	24 Spring St., Somerville, Mass	10
1KT	Benoit, Walter R	73 Independent St., New Bedford, Mass	10
1GU	Bernardin, Leo A	456 Haverhill St., Lawrence, Mass	75
1LF	Beverly High School	16 Essex St., Beverly, Mass	50
1GH	Bibber, Harold W	31 Beacon St., Gloucester, Mass	1,00
1UL	Bigelow, Clinton A	96 Whittier Ave., Providence, R. I	10
1UG	Bigelow, Fred C	123 Chapel St., Saylesville, R. I	1,00
1KY	Bishop, Leon W	18 Irving St., Boston, Mass	4
1QK	Black, William R	32 Jefferson St., Newton, Mass	5
1NB	Blanchard, Ralph N	73 Jenkins Ave., Whitman, Mass	10
1WV	Blanke, Donald C	Old Church Rd., Greenwich, Conn	250
1GB	Blount, Henry G	Hamilton, Mass	539
1LB	Blume, Carl T	8 Upham St., Revere, Mass	4
1KR	Borden, Howard G	710 Rock St., Fall River, Mass	50
1MB	Boudette, Clayton M	194 Elm St., Everett, Mass	50

Callsignal.	Owner of station.	Location of station.	Power.
			Watts
1LC	Bowen, Arthur N	34 Apthorp St., Revere, Mass	250
iku	Bowen, Earl H	459 Madison St., Fall River, Mass	250
iko	Bowen, Harold C	168 Belmont Ave., Fall River, Mass	250
10R	Boydon Laurence E		100
	Boyden, Laurance E	44 Cypress Pl., Brookline, Mass	100
1TK	Branigan, Hugh S. C.	310 Prairie Ave., Providence, R. I	
1PN	Briggs, Ralph E	100 West St., Whitman, Mass	250
1HQ	Broadley, Harry R	44 Wenham St., Boston, Mass.	48
1AI	Brown, Olin C	23 Ledgelawn Ave., Bar Harbor, Me	1,000
1AB	Brown, Philip T	36 Taylor St., Portland, Me	500
1JN	Bruce, Arthur O	30 York St., Cambridge, Mass	500
1QE	Bruce, Edmond	1010 Massachusetts Ave., Cambridge, Mass	250
1UX	Budlong, Clifton O	Cranston, R. I	100
1WA	Bueb, John J., jr	12 Maher Ave., Greenwich, Conn	100
1WS	Buffett, Salathiel	Quarry Ava Saybrook Conn	100
1MJ	Burdett, Roland E	559 Main St., Wakefield, Mass	1,000
1HB	Burgess, Warren B.	559 Main St., Wakefield, Mass. 62 Fruit St., Worcester, Mass.	-, -,
iHI	Burgess, Warren B Burke, Alan W	40 Pollock Ave., Pittsfield, Mass	750
iGL -	Bush, Arthur W	80 Tower Hill St., Lawrence, Mass	1,000
1AM	Butler, Guy W	239 Center St., Oldtown, Me	160
1MU	Byers, John R	154 Lowell Ave., Newtonville, Mass	200
1MV	Caldwell, George W	52 Cherry St., Lynn, Mass	500
	Candwell, George W		100
INU	Campbell, Harold G Canfield, Donald T	86 Kenwood St., Dorchester, Mass	100
1HD	Canneld, Donald I	R. F. D., Westboro, Mass	
1BO	Canty, William R	36 Lincoln Ave., Rutland, Vt	500
1JT	Carlson, Arthur G	19 Mechanic St., North Easton, Mass	500
1GC	Chadwick, Gilbert L	19 11th Ave., Haverhill, Mass	27
1CW	Chase, Robert McC	25 Russell St., Plymouth, N. H	798
1HC	Cheetham, Harry R	81 Avon St., Somerville, Mass	48
1JM	Cheever, Walter G Church, Arthur E	6 Aldersey St., Somerville, Mass	25
1IU	Church, Arthur E	3 Wellington Ter., Brookline, Mass	90
1AQ	Claffin, Harold M	160 College Ave., waterville, Me	750
1PT	Clayton, Henry C	1422 Washington St., Canton, Mass	100
1HG	Cogswell, George R	18 Garden St., Cambridge, Mass	250
INE	Coleman, Benj. B. B	193 Clapp St., Milton, Mass	200
iWC	Coleman, William F	177 Wethersfield Ave., Hartford, Conn	100
iJD	Collins, Lovejoy	44 Carver Rd., Newton Highlands, Mass.	100
1IM	Conner, George W	72 Medford St., Malden, Mass	250
1CP	Conrad, Philip W	172 Elm St., Keene, N. H	250
	Contad, Finish W	49 Huran Ava Cambridge Mass	100
10S	Copland, H. Depew	42 Huron Ave., Cambridge, Mass	100
1BM	Copps, John L	138 S. Main St., Rutland, Vt.	
1LG	Corey, Frank J	41 Sycamore St., Somerville, Mass	160
1LE	Corney, Chester A	815 E. 4th St., South Boston, Mass	250
1VJ	Cowles, George R	181 Thomas St., West Haven, Conn	2
1UC	Creaser, Isaiah	641 Plainfield St., Providence, R. I 8 Elm Lawn St., Dorchester, Mass 173 Davis Ave., Brookline, Mass	1,000
1HP	Cromack, N. G. N	8 Elm Lawn St., Dorchester, Mass	100
1PW	Crosby, Carlton	173 Davis Ave., Brookline, Mass	30
1WP	Cummings, Edward H	Warwick, R. I. 3 Myrick St., Allston, Mass	300
1NL	Curtis, Samuel, jr	3 Myrick St., Allston, Mass	78
1IK	Dallin, Edwin B	69 Oakland Ave., Arlington Heights, Mass	250
iJU	Dane, Francis W	Main St., Hamilton, Mass	500
1QZ	Danehy, Edward J	21 Sargent St., Cambridge, Mass	10
iĞJ	Daniels, Richard M	25 Outlook Rd., Swampscott, Mass	50
1KD	David, Harold E	21-A Belchertown Rd., Amherst, Mass	10
		301 Main St., Rockland, Me	25
1AX	Davies, Orel E	217 Dovor St. Now Havon Conn	5
1WZ	Davis, Maurice E	217 Dover St., New Haven, Conn	
1IL	Dean, Samuel W	4 Eliot Rd., Lexington, Mass	1,000
1JP	Decker, Clarence	Housatonic, Mass	250
1JR	Delano, Edward C	64 School St., Fall River, Mass	500

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Amateur Radio Stations—First District—Alphabetically by Owners of Stations—Continued.

allsignal.	Owner of station.	Location of station.	Powe
			Watt
1LH	Dickson, William E	59 Hamden Circle, Quincy, Mass	25
1BC	Dimick, Leon R	27 Cliff St., St. Johnsbury, Vt	10
lJA	Dimond, Fred A., jr	4 Purchase St., East Carver, Mass	10
lUR	Doherty, James E	22 Orms St., Providence, R. I	10
IUD	Donle, Harold P	18 Observatory Ave., Providence, R. I	30
lLO	Donovan, Arthur B	49 Bigelow Ave., Rockland, Mass	25
1UO	Doyle, John B	306 Thurber Ave., Providence, R. I]
1PC	Drake, Ervin T., jr	40 Holyoke House, Cambridge, Mass	
1HZ	Duncan, Harrie E	34 Foster St., Newtonville, Mass	50
ILI	Eales, Malcolm A. L	4 Chestnut Park, Melrose, Mass	2
1QG	Edmester, Earle C	23 Beacon St., Everett, Mass	2
1KL	Edson, Allan W	167 Pleasant St., Whitman, Mass	2
IWN	Edwin Bancroft Foote Boys' Club.	Chapel St., New Haven, Conn	1, 0
INC	Ekwall, George O	"The Standish," Waltham, Mass	10
10F	Eldredge, Clarence R	41 Lawrence St., Wakefield, Mass	5
LAZ	Elkins, Ben T	Robbins Rd., Belfast, Me	1
HR	Elliott, Thomas H., jr	41 Brington Rd., Brookline, Mass	5
iĢŌ	Estey, F. Clinord	3 Goodell St., Salem, Mass	2
LAJ	Fabbri, Alessandro	Eden St., Bar Harbor, Me	1, 0
ήĊ	Fairbanks, Robert D	21 Carver Rd., Newton Highlands, Mass	, 1
IJ	Fassitt, Andrew J., jr	27 Walden St., Cambridge, Mass	1,0
lPU l KZ	Fearing, Sumner E	36 Water St., East Weymouth, Mass	
ij	Fiske, John	114 Brattle St., Cambridge, Mass	
iBA	Fitch, Conover	321 Hammond St., Newton, Mass 2 Park St., Barre, Vt	5
HOI	Fitts, Harold W Flanders, Fred F	9 Norway St., Boston, Mass	1
ĬŤĹ	Flint, Carl O	R. F. D. No. 1, Union, Me.	5
ÌНЙ	Flood, J. Frank J	160 D St., South Boston, Mass	2
iog	Florence, William E., jr.	79 Salem St., Reading, Mass	2
ΙΡΫ́	Folsom, Rolfe A	76 Rockland Ave., Malden, Mass	٠
iĠĖ	Fowler, F. Malcolm	16 Shore Ave., Salem, Mass	5
IJK	Franke, Alfred A	15 Orchard St., Jamaica Plain, Mass	ì
IIH	Fuller, Clarence C	50 High St., Mansfield, Mass	5
IJL	Gahm, Sebastian, jr	113 Sheridan St., Jamaica Plain, Mass	1
IHF	Gardner, Chester R	11 Spring Hill Ter., Somerville, Mass]
IGV	Gavill, Wilbur W	West Chelmsford, Mass	2
INR	Gerrish, Kenneth B	170 Summer St., Malden, Mass	1
INQ	Getchell, Melvin D	127 Monument St., West Medford, Mass]
IVN	Green, Louis S	126 Central Ave., Waterbury, Conn]]
1GW	Haddock, Charles C	57 Lathrop St., Beverly, Mass	1 2
1TV	Hale, Edward E	92 Hallick Ave., Riverside, R. I	1
INS	Hamilton, Edward P	69 Canton Ave., Milton, Mass]]
1HM	Hammett, Herbert M	4 Blue Hill Ave., Roxbury, Mass	{
lUH	Handy, William R	Lincoln, R. I.]
1AW	Harden, Edward F Hardy, Wilbur H	South Brewer, Me	2
igs	Hardy, Wilbur H	778 Hale St., Beverly Farms, Mass	2
LUA	Hargraves, Harold T	733 Cranston St., Providence, R. I]
ICY	Haselton, Page S	R. F. D. No. 3, Hudson, N. H]
1 V O	Haskell, Shirley D	Main St., Essex, Conn	2
ILK	Haskins, Frederic C	220 Lexington St., Belmont, Mass 86 Elm St., Portland, Me	2
IAY	Hatch, James F	86 Lim St., Portland, Me	2
1MX	Hathaway, Francis R Hayward, Edward E., jr.	Salem, Mase	2
IJE	Hayward, Edward E., Jr.	4 Pembroke St., Newton, Mass	•
10T	Heap, Sheldon S	132 Atlantic St., Atlantic, Mass]
1UN	Henry, William E	162 Prairie Ave., Providence, R. I	E
IJY	Herland, John N	48 Brush Hill Rd., Mattapan, Mass	
1MH	Herrick, Sumner E	7 Birch Hill Ave., Wakefield, Mass 15 Congress St., Springfield, Mass	2
1QV	Heyman, Harry	29 Sumner St., Hartford, Conn	1 2

Call signal.	Owner of station.	Location of station.	Power.
		in the second se	Watts.
10C	Hill, Harold F	788 Massachusetts Ave., Cambridge, Mass.	12
10L	Hinman, George W	198 Russell St., Worcester, Mass	12
1PE	Hitchcock, Frederick J	14 Burrough St., Danvers, Mass	100
1TF	Hodges, Duncan	Cloyne School, Newport, R. I	500
1AF	Hodgkins, Winfield C	54 Eagle Lake Rd., Bar Harbor, Me	100
1JQ	Hoffman, Frank E	33 High St., Springfield, Mass	250
1WY	Hoggson, Wallace	Maher Ave., Greenwich, Conn	500
1UZ	Homer, Arthur B	270 Blackstone Blvd., Providence, R. I	12
iTI	Horgan, T. Francis	239 Broadway, Newport, R. I	250
ivQ	Horsfall, George W	Unionville, Conn	100
10J	Howard, Charles S	Townsend, Mass.	500
1KC	Howe, Milton A	347 Mt. Vernon St., Fitchburg, Mass	500
1CR		94 School St., Keene, N. H.	100
1JH	Howe, Reginald		250
11 II	Hubbard, Allen, jr	11 Montvale Crescent, Newton Center, Mass.	200
1WL	Hubbard, George F	267 Milbank Ave., Greenwich, Conn	250
1HJ	Hunt, Albert M	12 Madison Ave., Newtonville, Mass	100
1KV	Hurley, Albert V	16 Oakland Ave., Everett, Mass	250
1AG	Hutchins, Ray	Oak St., Springvale, Me	24
1GP	James, Albert W	36 Union St., Manchester, Mass	100
1NK	Jennings, Charles E., jr.	28 Wrentham St., Dorchester, Mass	100
1VR	Jennings, John W	West Redding, Conn	100
1TP	Jensen, Leonard C	17 Mt. Vernon St., Providence, R. I	100
1PF	Jerauld, Dorrance G	Harwich, Mass	100
ÎÛE	Jette, George E	161 Summer St., Central Falls, R. I	500
1TJ	Johnson, Alexander R	371 Sayles St., Providence, R. I	100
1PG	Johnson, David E	25 Glen St., Worcester, Mass	30
1MK	Johnson, Thurston A	123 Winthrop St., Winthrop, Mass	250
1PH	Jones, R. Warren	218 Pleasant St., Brockton, Mass	100
1KP	Justice, Francis C	148 Tremont St., Newton, Mass	100
iID	Kehoe, Francis	41 Walnut St., Boston, Mass.	250
iIC	Keller, Adrian C	36 Grand View Ave., Medford, Mass	250
1AC	Kennedy, Chester A		250
10A	Kenison, Arthur C	199 High St., South Portland, Me 45 Parker St., Lexington, Mass	1,00
1NP		11 Morton St., Somerville, Mass	1,00
	Kiley, John T	Of Prown St., Somervine, Mass	
10B	Kilton, James A., jr	96 Browne St., Brookline, Mass	250
1LM	King, Alexander R	27 Brantwood Rd., Arlington, Mass	250
1LP	Knight, Hugh C	132 Melrose St., Melrose Highlands, Mass.	200
1PI	Knight, Maurice E	3 Edwin St., Boston, Mass	30
1IN	Lamson, Horatio W	10 Oakland Ave., Arlington Heights, Mass.	.500
1GD	Lane, Frederic A	7 Madison Ave., Gloucester, Mass	250
1VC	Langevin, Carl C	44 Sumner St., Hartford, Conn	10
1JZ	Lanvuette, Kenneth H	21 Houston Ave., Milton, Mass	13
1AT	Lawford, Arthur H	292 Main St., Bar Harbor, Me	250
1JI	Lawrence, Milford R	Main St., Falmouth, Mass.	500
1IS_	Leach, George F	513 Liberty St., Rockland, Mass	10
1HX	Leavitt, Elmer A	41 Forest Ave., Everett, Mass	500
1IP	Leland, Harold B	34 Irving St., Somerville, Mass	10
1NZ	Leutz, Charles R	34 Wyman St., Jamaica Plain, Mass	10
IVA	Lewis, George B	North Haven, Conn	10
1IR	Lewis, Minott W	44 Kidder Ave., West Somerville, Mass	33
1MW	Linn, Harold W	107 Alden St., Whitman, Mass	25
1QY	Linsert, Henry	124 Goden St., Belmont, Mass	
îŬŸ	Lippitt, Gorton T	111 Benevolent St., Providence, R. I	
1PK	Loheed, William J., jr	12 Clifton Ave., Campello, Mass	
1JW	Long, John J.	32 London St., Somerville, Mass	10
1GT	Loomis, Arthur T	35 Graves Ave., Lynn, Mass	250
1JB	Lord, Howland C	40 Clyde St., Newtonville, Mass	10
1KI	Loring, Wilfred B	Plympton, Mass	
1NY	Lovis, Donald B	26 Adelaide St., Jamaica Plain, Mass	100

Amateur Radio Stations—First District—Alphabetically by Owners of Stations—Continued.

Callsignal.	Owner of station.	Location of station.	Power
1WU	Tuesa Omilla	170 Washington St. Wallington Co.	Watts.
iIQ	Lucas, Orville Lucy, Donald	172 Washington St., Wallingford, Conn 44 West St., Worcester, Mass	10 50
int	Lynch, John P.	25 Speedwell St., Boston, Mass	10
iĤĖ	Lynde, Kenneth R	20 Cloelia Ter., Newtonville, Mass	10
imi	Lyon, William H	Maple St., East Lexington, Mass	1, 00
iok	Mackenzie, Roy G	102 High St., Danvers, Mass.	60
itn	Mahoney, Charles J	18 Pond Ave., Newport, R. I	100
itg	Manchester, Arthur W.	31 Newport Ave., Newport, R. I	iŏ
iKG	Manning, Ralph K	232 Vine St., Everett, Mass	25
iTH	Manuel, Lloyd	106 2d St., Newport, R. I.	50
iNG	Marshall, Stanley	1 Hobart St., Danvers, Mass	25
ivF	Mascare, Fred A	15 Cassidy Park, Greenwich, Conn	50
iTM	Mason, Lion G	Halidon Hall, Newport, R. I	50
1NV	Mathews, Lloyd F	40 Ibbetson St., Somerville, Mass	i
1WH	Maxim, Hiram P	550 Prospect Ave., Hartford, Conn	37
1NW	McDermott, Joseph H	Belmont, Mass	20
1VM	McGuire, William C	76 Madison St., Hartford, Conn	10
1CM	McLane, Henry R	342 Union Ave., Laconia, N. H	1.0
IVD	McPartland, Frank J	35 Holmes St., Orange, Conn	10
1WF	McSweeney, Lawrence P.	6 Wethersfield Ave., Hartford, Conn	10
1TQ	Medbery, Chester H	156 Hanover St., Providence, R. I	10
1KM	Medbery, Chester H Meekin, William J	34 Custer St., Rockland, Mass	25
1QH	Melvin, Arthur W	R. F. D. No. 1, Chelmsford, Mass	25
1 H O	Merrill, Clark B	3 Elm St., Dorchester, Mass	20
1MI	Merrill, Donald F	282 Buckminster Rd., Brookline, Mass	25
10D	Miller, Alden W	16 Chestnut St., Medford, Mass	2
1UM	Miller, Bernard H	38 Doyle Ave., Providence, R. I	25
1UV	Monahan, Edward M	1033 Eddy St., Providence, R. I	10
1WK	Moore, David L	Farmington, Conn	25
1GI	Morse, Harold E	108 Essex St., Swampscott, Mass	30
1LY	Moulton, Albert B	26 Monadnock Rd., Worcester, Mass	50
1HW	Munroe, Henry W. T	38 Beacon St., Everett, Mass	50
1LZ	Murphy, Dudley B	176 Highland Ave., Winchester, Mass	1,0
1PX	Murphy, Harry J	Florence, Mass	10
1AU	Nash, Arthur F	277 Spring St., Portland, Me	50
1QF	Nash, Paul	64 Fairmont Ave., Newton, Mass	1
1CV	Nelson, Rufus L	16 Oak St., Northfield, N. H	50
1TO	Newton, Raymond C	292 California Ave., Providence, R. I	2
1LN	Newton Technical High School.	Newton, Mass	25
1UW	Nilson, Arthur R	11 Colfax St., Providence, R. I	10
1AP	Norton, Edward L	26 Grove St., Rockland, Me	75
iQL	Noyes, Russell	33 Washington Park, Newtonville, Mass.	10
1QA	Nyquist, Norman A	107 Chestnut Ave., Jamaica Plain, Mass	10
1QJ	O'Brine, Daniel	152 Bridge St., Manchester, Mass	10
1IX	Ohlson, Olof	472 Crafts St., Newton, Mass	25
1MO	Ostrander, Freeman K.,jr		25
1PL	Oudin, C. Folger		25
1CX	Parker, George H	Hudson, N. H.	10
1IG	Patten, Ernest L. O	11 Holmes St., Malden, Mass	50
10M	Payson, Gilbert R., jr		10
1UB 1MN	Pease, Reginald M	5 W. Park St., Providence, R. I	10
1KF	Pennell, Leon	69 N. Main St., Brockton, Mass	33
iuf	Pennypacker, Thomas R.	Chatham, Mass.	10
iLQ	Perkins, Leonard M	335 Public St., Providence, R. I	25
ioĚ	Perry, Willard H	Thompsons Isld., Boston Harbor, Mass	25 25
iwo	Post, Harold D	7 Randal St., Salem, Mass	10
ijs	Powers, Leonard S	431 Plymouth St., Carver, Mass	10

Call signal.	Owner of station.	Location of station.	Power.
			Watts.
1AN	Pratt, Rhama W	Longfellow St., Westbrook, Me	250
110	Pratt, Walter	28 Summit St., Rockland, Mass	100
1QM	Proulx, George H	147 Pemberton St., Cambridge, Mass	100
1PY	Pulley, Lester A	33 Porter St., Melrose, Mass	500
1MP	Purssell, Clarence V	1257 Morton St., Dorchester, Mass	250
1PZ	Ranlett, Frederick J., jr.	351 Central St., Auburndale, Mass	100
1LR	Rawson, Homer E	83 Brattle St., Cambridge, Mass	500
10N	Readio, George U	58 Pearl St., Springfield, Mass	1,000
1CQ	Reed, Coleman C	672 Marlboro St., Keene, N. H	100
1PO	Reed, Leslie S	61 Chestnut St., New Bedford, Mass.	100
1BD	Reed, Sherman A	61 Chestnut St., New Bedford, Mass 19 Dunbar St., Keene, N. H	500
1LA	Remington, Kenneth F.	747 High St., Fall River, Mass	500
1JV	Reuther, Henry R	15 Jewett St., Northampton, Mass	250
1AR	Rich, Marion	Cedar Ave., Bar Harbor, Me	250
1PR	Richards, Fred J.	1060 Saratoga St., East Boston, Mass	100
1KB	Richards, William T	15 Follen St., Cambridge, Mass	100
1IA	Richmond, Harold B	12 George St., Medford, Mass.	250
1AS	Rocheleau, William H	71 Church St., Westbrook, Me	250
1WI	Rockefeller, Godfrey S.	Lake Ave., Greenwich, Conn	500
1MR	Roddin Thomas	17 Bartlett Rd., Waverly, Mass	250
1PQ	Roddin, Thomas	368 N. Main St., Natick, Mass.	100
iLs	Pupov Loop C	49 Fairmont St., Belmont, Mass	250
1HV	Prop Tomos A	12 V nowlton St. Somowillo Mass.	100
10U	Ryan, James A	13 Knowlton St., Somerville, Mass 29 Gorham Ave., Brookline, Mass	
	Ryer, Edwin D	29 Gornam Ave., Drookine, Mass	100
1MS	Sabin, G. C	29 S. East St., Amherst, Mass	1,000
1WX	Safranek, Jerry	28 South St., South Norwalk, Conn	18
1WT	Salzgeber, John W	W. Main St., Ivoryton, Conn.	100
1TS	Sampson, Ross D	627 Elmwood Ave., Providence, R. I	36
1QB	Saunders, George B	52 Francis St., Boston, Mass.	100
1WR	Sawtelle, Donald F	122 Gilbert Ave., New Haven, Conn	100
1LT	Scott, Ralph A	952 Franklin St., Melrose Highlands, Mass.	250
1KS	Seabury, William H	1056 Beacon St., Brookline, Mass	250
1WQ	Seeley, Arthur P	55 Pearl St., New Haven, Conn	100
10P	Sharpe, Floyd H	260 Tinkham Ave., New Bedford, Mass	250
1HS	Shattuck, Herbert	1-A Lewis Pl., Roxbury, Mass	100
1BN	Shaw, Raymond H	10 E. Washington St., Rutland, Vt	100
1AB	Sherman, Calvin A	80 Camden St., Rockland, Me	20
1VI	Slawson, Spencer W	Brookside Drive, Greenwich, Conn	100
1AD	Smith, Edward S. C	58 South St., Biddeford, Me	100
1GN	Smith, Malcolm H	115 Prospect St., Gloucester, Mass	250
1JF	Snow, Albert E	30 Cary Ave., Chelsea, Mass	500
1GA	Snow, Harold C	41 Paradise Rd., Swampscott, Mass	250
1JO	Snow, William B	11 Devon Rd., Newton Center, Mass	100
1IV	Snyder, William E Soules, Norman E	36 Monument Ave., Charlestown, Mass	100
1WM		244 Hickory St., Norwich, Conn	500
10V	Southwick, Francis B	176 Waban Ave., Waban, Mass	48
1QX	Spaulding, Ralph H	14 Alberta Ter., Cambridge, Mass	100
1MY	Spear, G. Dana	32 Common St., Walpole, Mass	750
1A0	Sprague, Philip L	18 Brewer St., South Brewer, Me	250
1IZ	St. James, Robert T	38 Avery Lane, Great Barrington, Mass	1,000
1QI	St. James, Vincent	258 1st St., Pittsfield, Mass	550
1OW	Stackhouse, Walter T	755 Winthrop Ave., Revere, Mass	100
1TU	Stackpole, Nelson B	725 Mineral Spring Ave., Pawtucket, R.I.	250
1GK	Stanley, Lyman R	52 Burrill St., Swampscott, Mass	500
1IB	Stanyan, Starr W	76 Boston Ave., West Medford, Mass	200
1NM	Starkweather, John B	17 Gibson Rd., Newtonville, Mass	7
1AE	Sterling, George E	28 Paine St., Springvale, Me	100
1KA	Stickney, H. E.	25 Tufts Ave., Everett, Mass	18
10Q	Struthers, Francis W	Townsend, Mass	200
1AK	Tabbut, Arthur R		250

Call signal.	Owner of station.	Location of station.	Power.
			Watte
10X	Tarr, Mellville S	45 Parker St., Chelsea, Mass	100
1LU	Taylor, Frank J	15 Orrin St., Cambridge, Mass	250
1QD	Therrien, Arthur J	37 Barrett St., Lynn, Mass	20
1ŬS	Thorndike, Don C	303 Doric Ave., Cranston, R. I	
1TD	Tilley, Henry H., jr	5 Dartmouth St., Newport, R. I	100
1UP	Trainor, Francis J	126 Summer St., Providence, R. I (Classical High School).	300
1LV	Tufte, J. Warren	11 Clarendon Ave., West Somerville, Mass.	250
1VG	Tucker, George W	East Granby, Conn	250
iuk	Tutin, Kenneth A	312 Blackstone St., Woonsocket, R. I	100
iWD	Tuska, Clarence D	136 Oakland Ter., Hartford, Conn	
1MT	Tyler, Samuel F	28 Sargent St., Newton, Mass	
îĤŪ	Upton, Harry E	18 Jackson Ave., Everett, Mass	
iLW	Van Brocklin, William S.	51 Oakland Rd., Brookline, Mass	
ino	Varnum, George E	47 Decatur St., Charlestown, Mass	100
iQČ	Wadsworth, Arthur G	Eastham, Mass	
ive	Walker, Alva S	69 Dearfield Drive, Greenwich, Conn	250
ÌÀĦ	Ward, Donald G	14 Orchard St., Portland, Mo	
iNX	Ward, Talbot	68 Oak St., Boston, Mass.	
itw	Watrous, Ralph C	20 Diman Pl., Providence, R. I.	10
îvŸ	Weimann, Alfred F	101 Cliff St., Shelton, Conn.	
igo	Westbrook, Leon R	41 11th Ave., Haverhill, Mass.	
iGĚ	Wheeler, Fred L	23 Mt. Vernon St., Cliftondale, Mass	
iMZ	White, Dallas E	Boston Rd., Billerica, Mass.	
1BE	White, Earle B		
iow	White, Thomas C	R. F. D. No. 6, Belfast, Me.	
iPD		53 Perkins Ave., Malden, Mass	
ii₩	Whittier, Ellerton W	63 Terrace Ave., Winthrop, Mass	
1KN	Wilde, Phillips B	Government St., Woods Hole, Mass	10
	Wilkinson, John E	35 Malvey Ave., Fall River, Mass	25
1PM	Wireless Society, Massa- chusetts Institute of Technology.	Stanhope St., and Trinity Pl., Boston, Mase.	50
1VW	Woodward, Raymond W.	14 Tremont St., Hartford, Conn	12
iPS	Zahn, Edward G	6 Atherton Pl., Roxbury, Mass.	
1MD	Ziegler, Alfred A., jr	36 Greenough Ave., Jamaica Plain, Mass	25
ioy	Zwinge, Conrad J	776 Winthrop Ave., Revere, Mass	
101	Zwinge, Contact J	110 will mirop Ave., revere, mass	25

ALPHABETICALLY BY CALL SIGNALS.

Call signal.	Owner of station.	Call signal.	Owner of station.
1AB	Brown, Philip T.	1AR	Rich, Marion.
1AC	Kennedy, Chester A.	1AS	Rocheleau, William H.
1AD	Smith, Edward S. C.	1AT	Lawford, Arthur H.
1AE	Sterling, George E.	IAU	Nash, Arthur F.
1AF	Hodgkins, Winfield C.	I IAV	Sherman, Calvin A.
1AG	Hutchins, Ray.	I IAW	Harden, Edward F.
1AH	Ward, Donald G.	I IAX	Davies, Orel E.
1A1	Brown, Olin C.	IAY	Hatch, James F.
1AJ	Fabbri, Alessandro.	I IAZ	Elkins, Ben T.
1AK	Tabbut, Arthur R.		
1AM	Butler, Guy W.	1BA	Fitte, Harold W.
IAN	Pratt, Rhama W.	iBC	Dimick, Leon R.
140	Sprague, Philip L.	∥ ĩBĎ	Reed, Sherman A.
1AP	Norton, Edward L.	iBE	White, Earle B.
IAQ	Claffin, Harold M.	iBM	Copps, John L.

Amateur Radio Stations—First District—Alphabetically by Call Signals—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
1BN	Shaw, Raymond H.	1HY	Bennett, Lawrence S.
1B0	Canty, William R.	lHZ	Duncan, Harrie E.
1CM	McLane, Henry R.	1IA	Richmond, Harold B.
1CO	Atkins, Harry C.	1IB	Stanyan, Starr W.
1CP	Conrad, Philip W.	1IC	Keller, Adrian C.
1CQ	Reed, Coleman C.	1ID	Kehoe, Francis.
1CQ 1CR	Howe, Reginald.	1IE	Bennett, William F., jr. Patten, Ernest L. O.
1CV	Nelson, Rufus L.	1IG	Patten, Ernest L. O.
1CW	Nelson, Rufus L. Chase, Robert McC.	1IH	Fuller, Clarence C.
1CX	Parker, George H.]]IJ	Fassitt, Andrew J., jr.
1CX 1CY	Haselton, Page S.	1IK	Dallin, Edwin B.
1CZ	Bean, Harold W.	1IL	Dean, Samuel W.
	,	1IM	Conner, George W
-a.	G	l 1IN	Lamson, Horatio W.
1GA	Snow, Harold C.	110	Lamson, Horatio W. Pratt, Walter.
1GB	Blount, Henry G.	1IP	Leland, Harold B.
1GC	Chadwick, Gilbert L.	1IQ 1IR	Luey, Donald.
1GD	Lane, Frederic A.	1IŘ	Lewis, Minot W.
1GE	Wheeler, Fred L.	118	Leach, George F.
1GF	Fowler, F. Malcolm. Bibber, Harold. Morse, Harold E.	1IT	Barnes, Irving T.
1GH	Bibber, Harold.	1IU	Church, Arthur E.
1GI	Morse, Haroid E.	1IV	Church, Arthur E. Snyder, William E.
1GJ	Daniels, Richard M.	1IW	Wilde, Phillips B.
1GK	Stanley, Lyman R.	1IX	Ohlson, Olof.
1GL	Bush, Arthur W.	1IY	Ohlson, Olof. Baxter, Horace M.
1GM	Allen, J. Wyman.	1IZ	St. James, Robert T.
1GN	Smith, Malcolm H.		[]
1GO	Estey, F. Clifford.	1JA	Dimond, Fred A., jr.
1GP	James, Albert W.	1JB	Lord, Howland C.
1GQ	Westbrook, Leon R.	1JC	Fairbanks, Robert D.
igs	Hardy, Wilbur H.	IJD	Collins, Lovejoy.
1GT	Loomis, Arthur T.	1JE	Hayward, Edward E., jr.
1GU	Bernardin, Leo A.	1JF	Snow, Albert E.
1GV	Gavill, Wilbur W.	1JG	Pratt, Fearing.
1GW	Haddock, Charles C.	1JH	Hubbard, Allen, jr.
		1JI	Lawrence, Milford R.
1HA	Allison, William H.	1JK	Franke, Alfred A.
1HB	Burgess, Warren B.	l IJL	Gahm, Sebastian, jr.
1HC	Cheetham, Harry R.	1JM	Cheever, Walter G.
1HD	Canfield, Donald T.	l JN	Bruce, Arthur O.
1HE	Lynde, Kenneth R.	1 J O	Bruce, Arthur O. Snow, William B.
1HF	Gardner, Chester R.	1JP	Decker, Clarence.
1HG	Cogswell, George R.	1JQ	Hoffman, Frank E.
1HI	Burke, Alan W.	1JŘ	Delano, Edward C. Powers, Leonard S.
1HJ	Hunt, Albert M.	1JS	Powers, Leonard S.
1HK	Denison, Horace W.	1JT	Carlson, Arthur G.
1HL	Affel, Herman A.	1JU	Dane, Francis W.
1HM	Hammett, Herbert M.	1 <u>JV</u>	Reuther, Henry R.
1HN	Flood, J. Frank J.	1JW	Long, John J.
1 <u>HO</u>	Merrill, Clark B. Cromack, N. G. N.	1JY	Herland, John N.
1HP	Cromack, N. G. N.	1JZ	Lanvuette, Kenneth H.
1HQ	Broadley, Harry R. Elliott, Thomas H., jr.		
1HR	Elliott, Thomas H., jr.	1KA	Stickney, H. E.
1H8	Shattuck, Herbert.	1KB	Richards, William T.
1HT	Anderson, James H.	1KC	Howe, Milton A.
1HU	Upton, Harry E.	1KD	David, Harold E.
1HV	Ryan, James A.	1KF	Pennypacker, Thomas R.
1HW	Munroe, Henry W. T.	1KG	Manning, Ralph K.
1HX	Leavitt, Elmer A.	" 1KI	Loring, Wilfred B.

AMATEUR RADIO STATIONS—FIRST DISTRICT—ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
1KJ	Anderson, Arvid E.	1 M Y	Spear, G. Dana.
ikl	Edson, Allan W.	i mz	White, Dallas E.
1KM	Meekin, William J.		
1KN	Wilkinson, John E.	1NA	Andonegui, Lane.
1KO	Bowen, Harold C.	1NB	Blanchard, Ralph N.
1KP	Justice, Francis C.	1NC	Ekwall, George O.
1KQ	Armstrong, James B.	IND	Bellis, Clifford B.
1KR	Borden, Howard G.	1NE	
1KS	Seabury, William H.	1NF	Coleman, Benjamin B. B Beecher, George E.
1KT	Seabury, William H. Benoit, Walter R.	1NG	Marshall, Stanley.
1KU	Dowen, Earl H.	INK	Jennings, Charles E., jr.
1KV	Hurley, Albert V.	INL	Curtis, Samuel, jr.
1KX	Batcheller, Arthur.	INM	Starkweather, John B.
IKY	Bishop, Leon W.	INO	Varnum, George E.
1KZ	Fiske, John.	1NP	Kiley, John T.
		1NQ	Getchell, Melvin D.
1LA	Remington, Kenneth F.	INR	Gerrish, Kenneth B.
iľB	Blume, Carl T.	INS	Hamilton, Edward P.
1LC	Bowen, Arthur N.	1NT	Lynch, John P.
ILE	Corney, Chester A.	1NU	Campbell, Harold G.
1LF	Beverly High School.	INV	Mathews, Lloyd F.
1LG	Corey, Frank J.	1NW	McDermott, Joseph H.
1ĻĦ	Dickson, William E.	1NX	Ward, Talbot.
ıĻĮ	Eales, Malcolm A. L.	INY	Lovis, Donald B.
1LJ	Fitch, Conover.	1NZ	Leutz, Charles R.
1LK	Haskins, Frederic C.	104	Vonison Arthur C
1LM 1LN	King, Alexander R.	10A	Kenison, Arthur C.
ilo	Newton Technical High School.	10B 10C	Kilton, James A., jr. Hill, Harold F.
iLP	Donovan, Arthur B. Knight, Hugh C. Perry, Willard H.	iod	
iLo	Parer Willard W	10E	Miller, Alden W. Porter, Ralph H.
ilř	Pawson Homes E	iof	Eldredge Clarence R
ils	Rawson, Homer E. Runey, Leon C. Scott, Ralph A.	iog	Eldredge, Clarence R. Florence, William E., jr. Flanders, Fred F.
ilt	Scott Ralph A	ion	Flanders Fred F
îĽÛ	Taylor Frank I	iŏj	Howard, Charles S.
îĽŸ	Taylor, Frank J. Tufts, J. Warren.	iŏĸ	Mackenzie, Roy G.
îĽw	Van Brocklin, William S.	iŏL	Hinman, George W.
îĹŸ	Moulton, Albert B.	1ŎM	Payson, Gilbert R., jr.
î L Z	Murphy, Dudley B.	ION	Readio, George U.
	marphy, Dunity D.	iŏP	Readio, George U. Sharpe, Floyd H.
1MA	Anthony, Harvey M.	10Q	Struthers, Francis W.
1MB	Boudette, Clayton M.	10Ř	Boyden, Laurance E.
1MC	Baylies, Milton A.	108	Boyden, Laurance E. Copland, H. Depew.
1MD	Ziegler, Alfred A., jr.	10T	Heap, Sheldon S.
1ME	Angell, Otis P.	10U	Ryer, Edwin D.
1MH	Herrick, Sumner E.	10V	Southwick, Francis B.
1MI	Merrill, Donald F.	10W	Stackhouse, Walter T.
1MJ	Burdett, Roland E.	10X	Tarr, Melville S.
1MK	Johnson, Thurston A. Lyon, William H.	10Y	Zwinge, Conrad J.
1ML	Lyon, William H.	10 Z	Baer, Louis F.
1MN	Pennell, Leon.	ll	L1
1MO	Ostrander, Freeman K., jr.	1PA	Beckman, Carl W.
1MP	Purssell, Clarence V.	1PB	Bean, John E., jr. Drake, Ervin T., jr.
1MR	Ostrander, Freeman K., jr. Purssell, Clarence V. Roddin, Thomas.	1PC	Drake, Ervin T., jr.
1MS	Saoin, G. C.	1PD	Whittier, Ellerton W.
1MT	Tyler, Samuel F. Byers, John R.	1PE	Hitchcock, Frederick J.
1MU	Byers, John R.	1PF	Jerauld, Dorrance G.
1MV	Caldwell, George W.	1PG	Johnson, David E.
1MW	Linn, Harold W.	1PH	Jones, R. Warren.
1MX	Hathaway, Francis R.	1PI	Knight, Maurice E.

AMATEUR RADIO STATIONS—FIRST DISTRICT—ALPHABETICALLY BY CALL SIGNALS—Continued.

Callsignal.	Owner of station.	Call signal.	Owner of station.
1PK	Loheed, William J., jr.	1UG	Bigelow, Fred C.
1PL	Oudin, C. Folger.	IŬĤ	Bigelow, Fred C. Handy, William R.
1PM	Wireless Society, Massachu-	1UJ	Ashworth, Harry.
	setts Institute of Technology.	1UK	Tutin, Kenneth A.
1PN	Briggs, Ralph E.	1UL	Bigelow, Clinton A.
1P0	Reed, Lesley S.	1UM	Miller, Bernard H.
1PQ	Rogers, Wallace B.	1UN	Henry, William E.
1PŘ	Richards, Fred J.	1 U O	Doyle, John B.
1PS	Zahn, Edward G.	1UP	Trainor, Francis J.
1PT	Clayton, Henry C.	1UQ	Barth, Karl E.
1PU	Fearing, Sumner E.	1UR	Doherty, James E.
1PV	Folsom, Rolfe A.	1US	Thorndike, Don C.
1PW	Croeby, Carlton.	1UV	Monahan, Edward M.
1PX	Murphy, Harry J. Pulley, Lester A.	1UW	Nilson, Arthur R.
1PY	Pulley, Lester A.	1UX	Budlong, Clifton O.
1PZ	Ranlett, Frederick J., jr.	1UY	Lippitt, Gorton T.
1QA	Nyquist, Norman A.	1UZ	Homer, Arthur B.
iQB	Saunders, George B.	IVA IVC	Lewis, George B.
iğc	Wadsworth, Arthur G.	1VC	Langevin, Carl C.
îQĎ	Therrien, Arthur J.	1VD 1VE	McPartland, Frank J.
īQ̃Ē	Bruce, Edmond.	ive	Walker, Alva S.
īQF	Nash, Paul F.	ivg	Mascare, Fred A. Tucker, George W.
1QG	Edmester, Earle C.	ivh	
īQĤ	Melvin, Arthur W.	ivi	Hickmott, William J., jr. Slawson, Spencer W.
1QI	St. James, Vincent.	īvj	Cowles, George R.
1QJ	O'Brine, Daniel.	īvĸ	Barnes, Howard M.
1QK	Black, William R.	ÎVL	Belknap, Edward L.
1QL	Noyes, Russell.	1VM	McGuire, William C.
1QM	Proulx, George H.	1VN	Green, Louis S.
1QV	Heyman, Harry.	1VO	Haskell, Shirley G.
1QW	White, Thomas C.	IVP.	Weimann, Alfred F.
1QX	Spaulding, Ralph H.	IVQ .	Horsfall, George W.
1QY	Linsert, Henry.	1VR	Jennings, John W.
1QZ	Danehy, Edward J.	1VW	Woodward, Raymond W.
1TC	Aerogram Club of Newport.	1WA	Bueb, John J., jr.
1TD	Tilley, Henry H., jr.	iwb	Barnum, Roland B.
1TF	Hodges, Duncan.	1WC	Coleman, William F.
1TG	Manchester, Arthur W.	1WD	Tuska, Clarence D.
1TH	Manuel, Lloyd.	1WE	Baldwin, James P.
1TI 1T J	Horgan, T. Francis.	1WF	McSweeney, Lawrence P.
îTK	Johnson, Alexander R. Branigan, Hugh S. C.	1WH	Maxim, Hiram P.
iTL	Flint, Carl O.	1WI	Rockefeller, Godfrey S.
îтм	Mason, Lion G.	1WJ	Barrett, John H.
iTN	Mahoney, Charles J.	1WK	Moore, David L.
îTÔ	Mahoney, Charles J. Newton, Raymond C.	1WL	Hubbard, George F.
ÎŤŘ	Jensen, Leonard C.	1WM	Soules, Norman E.
ĨŦQ	Medbery, Chester H.	1WN	Edwin Bancroft Foote Boys
īŦŘ	Medbery, Chester H. Bazinet, Wilfred J.	17770	Club.
its	Sampson, Ross D.	1WO	Post, Harold D.
1TU	Stackpole, Nelson B.	1WP	Cummings, Edward H.
īTV	Hale, Edward E.	1WQ	Seeley, Arthur P.
1TW	Watrous, Ralph C.	1WR	Sawtelle, Donald F.
		1WS	Buffett, Salathiel.
1UA	Hargraves, Harold T.	1WT 1WU	Salzgeber, John W.
1UB•	Peace, Reginald M.	1WV	Lucas, Orville W.
1UC	Creaser, Isaiah.	1WX	Blanke, Donald C.
1UD	Donle, Harold P.	1WY	Safranek, Jerry.
1UE	Jette, George E.	1WZ	Hoggson, Walface, Davis, Maurice E.
1UF	Perkins, Leonard M.	II T 44 17	Leve, maurice 11.

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 counties on the Hudson River to and including Schenectady, Albany, and Reusselaer) and New Jersey (counties of Bergen, Passaic, Essex, Union, Middlesex, Monmouth, Hudson, and Ocean).]

ALPHABETICALLY BY OWNERS OF STATIONS.

Callsignal.	Owner of station.	Location of station.	Power
			Watts.
2TQ	Adams, E. William, jr	392 Franklin St., Bloomfield, N. J	12
2LX	Adelphi College	St. James and Clifton Pl., Brooklyn, N. Y.	500
2NA	Adickes, Ernest D	173 W. Ridgewood St., Ridgewood, N. J.	770
2VQ	Agnoli, Justus J	16 Purvis St., Long Island City, N. Y	30
2VG	Ahrens, Harry E	794 Gravesend Ave., Brooklyn, N. Y	250
2US	Allstrom, F. Condit	46 Chestnut St., East Orange, N. J	9
2WI	Anderson, Robert N	353 Warburton Ave., Yonkers, N. Y	30
2MM	Apgar, Charles E	549 Carleton Rd Wortfield N. I.	450
2UR	Arany, Leo	549 Carleton Rd., Westfield, N. J. 973 Simpson St., New York, N. Y.	500
2ME	Archibald, John O	428 Park Hill Ave., Yonkers, N. Y	440
2MR	Atwater, Frank G., jr	1562 E. 15th St., Brooklyn, N. Y	50
2CI	Austin, Edward	576 Payonia Ava James City N I	3
		576 Pavonia Ave., Jersey City, N. J	
2NY	Austrian, Ralph B	49 St. Nicholas Ter., New York, N. Y	450
2RW	Baily, Hobart W	Summer St., Harrison, N. Y	220
2UL	Baker, Alvah L	153 Manhattan Ave., New York, N. Y	250
2LU	Baker, William N	881 Montgomery St., Jersey City, N. J	20
2TG	Balfoort, John M	4 Regent St., Schenectady, N. Y	650
2GM	Ballard, J. Adams	73 Macon St., Brooklyn, N. Y	2
2BD	Banta, Theodore C	76 Walnut St., Ridgewood, N. J.	10
2SN	Barnes, C. Everett	778 1st Ave., Upper Troy, N. Y	50
2WO	Barone, Salvatore A	343 E. 76th St., New York, N. Y	140
2BT	Barrett's School of Telegraphy.	527 Cortlandt Ave., New York, N. Y	624
2PC	Barriette, Samuel L	1483 Bedford Ave., Brooklyn, N. Y	6
2GB	Bartlett, Bernard W	545 Westfield Ave., Westfield, N. J	500
2LF	Bartlett, Charles H	774 Jefferson Ave., Brooklyn, N. Y	13
2VP	Bartsch, Henry W	130 Cedar St., Kingston, N. Y	15
2CJ	Bathgate, Walter E	102 High St., Passaic, N. J	6
2EJ	Bechtlofft, Claude B	106 Walnut St., Ridgewood, N. J	500
2KJ	Beebe, Lloyd S	1143 Albany St., Schenectady, N. Y	225
2MV	Bell, Arthur E	92 Elizabeth St. West New Brighton N. Y.	3
2WN	Beller, William A. G	588 Essex St., Brooklyn, N. Y.	5
2LQ	Belt, Charles B	145 W. 57th St., New York, N. Y	100
2LL	Repedict Alonzo R	Newburgh, N. Y.	48
2TE	Benedict, Alonzo R Bentzig, Victor II	165 Woodmere Pl., Richmond Hill, N. Y	20
2FU	Benzing, Herman		30
2TO	Benzing, Jacob	619 Fulton St., Elizabeth, N. J. 625 Fulton St., Elizabeth, N. J.	20
2PN	Berger, H. C. V. B	33 Pennington Ave., Passaic, N. J	30
2NU	Berglund, Edward A	484 45th St., Brooklyn, N. Y	1
2QS	Bernard, James L	1312 Ditmas Ave., Brooklyn, N. Y	1
2MS	Berri, Herbert	497 E. 17th St., Brooklyn, N. Y.	500
2LB			220
	Bertine, Edwin K	57 S. 2d Ave., Mt. Vernon, N. Y 53 W. 94th St., New York, N. Y	
2UK	Biggam, Henry C	0100 Laria Dl. New York, N. I	10
2QW	Birkmire, Harold	2190 Loring Pl., New York, N. Y	624
2FT	Bishop, Mortimer Z	568 W. 149th St., New York, N. Y	550
2PH	Blackburn, Godfrey C	146 Newburgh Ave., Fishkill-on-Hudson, N. Y.	200
2QB	Blackford, Harold W	237 E. 2d St., Plainfield, N. J.	250
2CR	Blauvelt, William M	198 Main St., Nyack, N. Y	340
2SP	Bleilevens, Gerhardt	318 33d St., Woodcliff on Hudson, N. J	500
2GI	Bockelmann, Charles F	1679 42d St., Brooklyn, N. Y	10
2JD	Boeder, Arthur R	3443 Duncomb Ave., New York, N. Y	1,000
2PY		497 Rargan Ava Jargay City N I	250
2TP	Bogardus, Henry L	427 Bergen Ave., Jersey City, N. J 1515 2d Ave., New York, N. Y	1:
	Bohn, William		
2VL	Bond, Arthur M	274 2d Ave., Newark, N. J	3

Call signal.	Owner of station.	Location of station.	Power.
	D 1 D 7	000 T DI W V V	Watts.
2UG 2UH	Bonduaux, Eugene L Boys' Wireless Club of Hackensack High	822 Hewitt Pl., New York, N. Y lst St., Hackensack, N. J	500 90
2UD	School. Brainard, Edward S	400 W. Franklin Ave., Ridgewood, N. J	1,000
2JH	Brown, David S., jr	400 W. Franklin Ave., Ridgewood, N. J 206 W. 86th St., New York, N. Y	500
2VM	Brown, Philip T	1808 Grand Concourse, New York, N. Y	500
2KD	Browne, Walram S	1565 E. 12th St., Brooklyn, N. Y	1,000
2VD 2AU	Bruell, Joseph P	69 S. Lexington Ave., White Plains, N. Y.	880
2AF	Bryan, Chester W Bryant, Marquis V	79 Elm St., Montclair, N. J. 6 S. Highland Ave., Nyack, N. Y. 128 Market St., Perth Amboy, N. J.	580
2MH	Buchanan, William F	128 Market St., Perth Amboy, N. J.	24
2NN	Buck, David E	42 Grant Ave., Kearney, N. J	30
2CT	Bunn, Milo B	110 Rockland Ave., Yonkers, N. Y	250
2NL	Burnett, Walter J	20 Chestnut St., Ridgewood, N. J	100
2HK	Burrows, Henry P	1415 55th St., Brooklyn, N. Y	24
2WK 2RL	Caggiano, Carmine J	245 Pacine St., Brookivn, N. 1	1 000
2ES	Camp, Victor F Campbell, Robert, jr	Plymouth Ave., Brightwaters, N. Y 117 Marshall St., Elizabeth, N. J	1,000
2SX	Cannon, George C	183 Drake Ave., New Rochelle, N. Y	1,000
2RD	Carey, Stephen W., 3d	Luddington Rd., West Orange, N. J	75
2PA	Carman, Newton I	218 Church St., Hempstead, N. Y	886
2TS	Carpenter, Ferris G	57 Cedar St., Ridgefield Park, N. J	2
2MN	Carrougher, Vivian A	805 Ocean Ave., Brooklyn, N. Y	0.5
2QK	Caskey, Kenneth B	415 Fort Washington Ave., New York, N. Y.	250
2HR	Chandler, Arthur C	2141 Pacific St., Brooklyn, N. Y	200
2VN	Charles, Chester A	629 Springdale Ave., East Orange, N. J	40
2FE	Cheel, Harold W	35 Corsa Ter., Ridgewood, N. J	49
2DS	Clark, Le Roy	Chestnut St., Englewood, N. J	886
2FO	Clark, William C	91 4th Ave., Brooklyn, N. Y	500 250
2SV 2IJ	Clarke, Frederick D Cochran, Alexander	256 Sterling Pl., Brooklyn, N. Y	23
20G	Cockaday, Lawrence M	227 Audubon Ave., New York, N. Y	25
2LO	Coffin, Russell S		2
2PS	Cohen, Samuel	242 Hinsdale St., Brooklyn, N. Y. 2071 5th Ave., New York, N. Y. 22 Cedar St., Yonkers, N. Y. 65 Cherry St., West Orange, N. J. 172 Maple St., Brooklyn, N. Y.	2
2OS	Cohen, Walter	2071 5th Ave., New York, N. Y	440
2TZ	Collins, Frank J	22 Cedar St., Yonkers, N. Y	40
2RT 2KN	Collison, Jesse G Collison, Percy B	179 Mania St., West Orange, N. J	500
2TM	Collymore, Errold D	227 W 63d St New York N Y	30
2SC	Constant, S. Victor	Hillside Drive. Yonkers. N. Y	1
2DR	Cooper, Teller C	227 W. 63d St., New York, N. Y	440
2HF	Coote, Charles W	1 240 Audubon Ave New York N Y	250
2SD	Copersito, Michael	942 Atlantic Ave., Brooklyn, N. Y 51 Berkeley Ave., Newark, N. J	3
2AQ	Corson, David N	51 Berkeley Ave., Newark, N. J	300
2LD 2VK	Cotter, William F Covert, James D	68 Oakland Ave., Jersey City, N. J. 40 Glenwood Rd., Upper Montclair, N. J. Merrick Rd., Lynbrook, N. Y	30
2RI	Cowper, Norman C	Merrick Rd Lynbrook N Y	1,000
2MW	Crichton, Arthur M	1 139 Washington Ave., Rutherford, N. J.,	1,000
2EM	Crosby, Roy C	211 W. 148th St., New York, N. Y	30
2DN	Crosby, Roy C	626 45th St., Brooklyn, N. I	54
2DI	Cyriax, Ernest A	219 E. 71st St., New York, N. Y	30
2GG	Dahlgren, Birger A	1652 41st St., Brooklyn, N. Y	1 00
2AD 2QH	Dammers, Albert Davies, Richard J., jr	334 4th St., Union Hill, N. J.	1,000
2KK	Day, Howard B	555 Mountain Ave., Westfield, N. J.	1,00
20D	Debuchy, Edmund A	555 Mountain Ave., Westfield, N. J 591a Summit Ave., West Hoboken, N. J	1,00
2VS	Decker, Ralph W. E	7 Odell Ave., White Plains, N. Y	

Amateur Radio Stations—Second District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Watts.
2JX	De Cortin, Gustav A	16 Elm St., Mt. Vernon, N. Y	30
2HH	Dederick, H. C	46 N 5th St., Hudson, N. Y.	72
2TL	de Forest, Edward L., jr.	Hilton Ave., Garden City, N. Y	30
2SY	De Long Oscar A. ir	160 N. Mountain Ave., Montclair, N. J	50
2A8	De Long, Oscar A., jr De Yoe, Willard L	COO Dreadment Ct Determen N I	250
2UT	Dick, Benjamin 8	Mt. Pleasant Academy, Oseining, N. Y 73 Greenridge Ave., White Plains, N. Y 1649 Ameterdem Ave. New York N. Y.	75
2TC		73 Greenwidge Ave. White Plains N. V.	330
	Dickenson, Henry E	1640 Ameterdam Avo. Now York N V	220
2CN	Dickey, Edward T Diehl, John F	1649 Amsterdam Ave., New York, N. Y	30
2VY	Dieni, John F	Amboy Rd., Tottenville, N. Y	30
2CQ	Dilg, A. Norman	Debeter N. V.	30
2UV	Dimmick, James N	Babyion, N. I	12
2RO	Dodds, Andrew C	132 S. Swan St., Albany, N. 1	18
2EU	Droste, George T	1309 Pugsley Ave., New York, N. Y	210
20Z	Dufford, John S	DIO O. ZULII OL., NEWBUK, N. J	1 10
2IY	Dugan, Edward W	631 Jersey Ave., Jersey City, N. J	15
2TN	Dunham, Clarence L	250 Woodlawn Ave., Jersey City, N. J	300
2LM	Dunn, Laurence J	769 Dawson St., New York, N. Y	8
2QN	Dwyer, Martin J., jr	3800 Broadway, New York, N. Y	500
2PR	Dynner, Eugene	207 26th St., Guttenberg, N. J	550
2RG	Earle, William P., jr	Mamaroneck Rd., White Plains, N. Y	500
2AI	Eber, John G	5505 3d Ave., Brooklyn, N. Y Beechmont Pk., New Rochelle, N. Y 35 W. 177th St., New York, N. Y	30
2QJ	Eckley, Harold J	Beechmont Pk., New Rochelle, N. Y	27
2PG	Eckstein, William J	35 W 177th St. New York N. Y.	500
2JI	Eddy, Leonard E	295 Hackensack Rd., Kidgeneid Park,	30
2AH	Edelman, Abraham	N. J. 952 Liggett Ave., New York, N. Y	500
2KQ	Edwards, Harry M., jr	314 Ridgewood Ave Glen Ridge N. J	24
2LE	Egolf, Richard S	1052 41st St., Brooklyn, N. Y	30
2IQ	Elliott, Paul C	162 E 66th St. New York, N. Y	250
2UB	Emory, John M. G	3d St. Garden City, N. Y.	10
2VH	Engelder, Eberhardt E	3d St., Garden City, N. Y	20
2ET	England, George B	917 St. Nicholas Ave., New York, N. Y.	432
20C	Erasmus Hall High School.	Flatbush Ave., Brooklyn, N. Y	250
2UF	Evans, Arthur F	246 Emerson Pl., Brooklyn, N. Y	12
2PI	Evans, Clarence L	176 S. 11th St., Newark, N. J	1,000
2GX	Fallon, Harry A., jr	555 W. 148th St., New York, N. Y	48
2GD	Farquharson, John S	540 W. 158th St., New York, N. Y	280
2AK	Ferris, Howard E	665 Franklin Ave., Nutley, N. J.	24
288	Fitler, Eugene B., jr	40 W 129th St., New York, N. Y.	30
2DD	Fitzgerald, Gordon P	611 W 141st St., New York, N. Y.	250
2AA	Flagg, John H	316 Lookout Ave., Hackensack, N. J	21
2VU	Flandreaux, Cyrus	1425 Park St. Peekskill N. Y.	800
2WB	Fogetti, Howard J	1425 Park St., Peekskill, N. Y	36
20I	Folks, Leslie E	410 E. 155th St., New York, N. Y	24
2TB	Ford Everett I	431 Bramhall Ave., Jersey City, N. J	1 12
2QC	Ford, Everett J	215 Wintheon St. Recoklym N. V	îŝ
2ÎR		215 Winthrop St., Brooklyn, N. Y Babylon, N. Y	20
2WM	Foulke, J. Brion, jr	676 Lincoln Dl Brooklyn N V	
	Fowler, Jack B	4706 4th Aug Brooklyn N V	64
20B 2KM	Fox, Loyal S	676 Lincoln Pl., Brooklyn, N. Y. 4706 4th Ave., Brooklyn, N. Y. 1662 70th St., Brooklyn, N. Y.	18
	Francis, Charles E	100 Monle Ave. Dowt Dishmond M V	1 70
2W8	Francis, Leo A Fraser, Frank	102 Maple Ave., Port Richmond, N. Y 352 Archer St., Freeport, N. Y 112 Mason St., Schenectady, N. Y	30
2IZ	Fraser, Frank	35Z Archer St., Freeport, N. I	350
2VZ	Frederick, G. Bentley Freeland, Wilbur W French, Edward	112 Mason St., Schenectady, N. Y	300
2JN	Freeland, Wilbur W	34 Baidwin Ave., Newark, N. J	JOGG
2VV	French, Edward	1216 Lincoln Ter., Peekskill, N. Y 370 E. 153d St., New York, N. Y	16
2JF	Frey, Anthony C	370 E. 153d St., New York, N. Y	_8
2KE	Frey, George	[155 W. 80th St., New York, N. Y	36
2PE	Fritch, Vincent J	939 College Ave., New York, N. Y	18

Call signal.	Owner of station.	Location of station.	Power.
			Watts.
2VJ	Furman, Robert S	Park Ave., Bay Shore, N. Y	60
2GF	Gabrielson, Henry M	230 53d St. Brooklyn N Y	60
2QG	Gale, Rowland A	540 W 158th St. NAW YORK N Y	154
ŽĽŤ	Galvin, Lee R	193 Fairview Ave., Jersey City, N. J 517 Park St., Upper Montclair, N. J Bay 8th St. and Bath Ave., Brooklyn, N. Y.	100
2UP		517 Pork St. Hanne Montoleir N. I	18
	Gannon, J. Kimball	Done 9th St. and Dath Ave. Drooklem N.V.	30
2VR	Gassaway, Julian L Gerlach, Adolph J	Day our of and Dam Ave., Drocklyn, N. I	24
2VB	Geriach, Adoiph J	769 E. 218th St., Williams Bridge, N. Y	12
2DO	Gerrity, John J	538 Ocean Ave., Jersey City, N. J	330
2AY	Gittelbauer, Frederick	38 Vreeland St., East Rutherford, N. J	500
2TV	Glenn, George	251 E. 236th St., New York, N. Y	300
2JU	Goette, C. J	1256 Hatch Ave., Woodhaven, N. Y 4 Overlook Ave., Ridgewood, N. J	500
2UN	Graham, Malcolm	4 Overlook Ave., Ridgewood, N. J	1,000
2PV	Grebe, Alfred H	10 Van Wyck Ave., Richmond Hill, N.Y	1,000
2BK	Green, Adoniram J	73 Paterson St., Paterson, N. J	-, 60
2QQ	Green, Irving W	85 Clerk St., Jersey City, N. J.	20
2ĽP	Green, Raymond J	1352 St. Nicholas Ave., New York, N. Y	18
2SR	Greenlees, William	3762 Barnes Ave., Williams Bridge, N. Y	1,000
2KL	Gregory, Arthur V	107 High St. Porth Amboy N. I	
2BN	Griewold Edmund I	197 High St., Perth Amboy, N. J	250
	Griswold, Edmund J	R. F. D., Slingerlands, N. Y	30
2AT	Guild, Baldwin	495 Mount Prospect Ave., Newark, N. J.	30
2UH	Hackensack High School (Boys' Wireless Club).	Hackensack, N. J	90
2HJ	Hadden, Weston	1716 Albermarle Rd., Brooklyn, N. Y	460
2AM	Haeselbarth, Percy	54 Catherine St., Nyack, N. Y	36
2PB	Haight, Russell P	31 Overlook Ave., West Orange, N. J	200
2MA	Hallenbeck, Charles	959 55th St. Brooklyn N Y	24
2UQ	Hallett, E. Douglas	959 55th St., Brooklyn, N. Y	
2EV		Foot of 57th St. Brooklym N. V.	30
2PX	Hallock, Charles S	Foot of 57th St., Brooklyn, N. Y	49
	Hamilton, Albert G., jr	Beach Ave., Larchmont, N. Y. 16 W. Broadway, Port Chester, N. Y. 358 Willet Ave., Port Chester, N. Y. 35 W. 61st St., New York, N. Y.	250
2EW	Hamilton, Joseph E	16 W. Broadway, Port Chester, N. 1	30
2FK	Hamilton, Ralph Hammond, Lester	358 Willet Ave., Port Chester, N. 1	30
20A	Hammond, Lester	35 W. 61st St., New York, N. Y	24
2AE	Happe, William H	566 W. 162d St., New York, N. Y	108
2FQ 2FZ	Hardwick, Ambrose H	224 Oakwood Ave., Orange, N. J Elliott Pl., Freeport, N. Y	1,000
	Harris, Charles C	Elliott Pl., Freeport, N. Y	250
2AC	Hart, Gifford R	34 Dougles Rd Glen Ridge N J	30
2FY	Hartman, Robert	371 Wadsworth Ave., New York, N. Y	250
2DV	Hathaway, Harry C. B	20 Erie Pl., Nutley, N. J.	72
2SM	Hatry, William B	71 Orange St., Brooklyn, N. Y	30
2BM	Heermance, Earle	523 State St., Hudson, N. Y.	200
2MX	Heffernan, William J	371 Wadsworth Ave., New York, N. Y. 20 Erie Pl., Nutley, N. J. 71 Orange St., Brooklyn, N. Y. 523 State St., Hudson, N. Y. 105 Bay 10th St., Brooklyn, N. Y.	i
2FJ	Helwig, Herman F	711 E. 18th St., Brooklyn, N. Y	250
2MU	Hengerer, Howard B	441 Fort Washington Ave., NewYork, N.Y.	56
		402 Decetus St. Recoklyn N V	
2UO	Heydon, Albert R	403 Decatur St., Brooklyn, N. Y	24
	Heyer, Benjamin W	45 N. Fullerton Ave., Montclair, N. J	440
2DG	Higgs, Harry Y	30 Irving Pl., Brooklyn, N. Y	13
2DK	Hill, William S	332 Rector St., Perth Amboy, N. J	48
2N8	Hoffman, Paul J Hollman, Theodore	332 Rector St., Perth Amboy, N. J. 1688 2d Ave., New York, N. Y. 678 Marcy Ave., Brooklyn, N. Y.	30
2RA	Holiman, Theodore	678 Marcy Ave., Brooklyn, N. Y	2
2NF	Homan, Eber J	336 52d St., Brooklyn, N. Y	30
2LY	Hoover, Raymond	171 Ridgewood Ave., Newark, N. J	250
2MF	Hoppock, Allen H	215 Clark St., Westfield, N. J	500
2RK	Horle, Lawrence C. F	142 Fairmount Ave., Newark, N. J.	1,000
2NH	Horn, Charles W	Broadway, Far Rockaway, N. Y	250
2HU	Hotchkiss, Grosvenor	146 Halsey St., Brooklyn, N. Y	3
2II	Howell Walter J	135 Edgecombe Ave. New York N Y	6
2UE	Howell, Walter J Hoyt, William L	135 Edgecombe Ave., New York, N. Y Hilton Ave., Garden City N. Y	3
40111	11\7 V. VIIII/AHH 1/		

Amateur Radio Stations—Second District—Alphabetically by Owners of Stations—Continued.

Call signal	Owner of station.	Location of station.	Power.
			Watte.
2VA	Huested, William P	Delmar, N. Y. Tilton Ave., Red Bank, N. J.	240
2EG	Hurd, John B	Tilton Ave., Red Bank, N. J	250
2EF	Hurd, Theodore	Tilton Ave., Red Bank, N. J.	24
2QT	Hynds, Arthur E	Tilton Ave., Red Bank, N. J	16
$2\widetilde{\mathbf{U}}\mathbf{J}$	Innes, Richard C	343 W. 29th St., New York, N. Y	60
2GU	Inwright, John A	400-A Fairmount Ave. Jersey City, N. J.	ا آو
2NQ	Issacson, Charles B.	400-A Fairmount Ave., Jersey City, N. J. 48 W. 89th St., New York, N. Y	660
2EX	Isaacson, Charles B Jackson, Benjamin B	188 Montroes Ave., Rutherford, N. J	165
2EE	Jacobs, Charles F	270 Park Pl Brooklyn N V	40
$\widetilde{2}\widetilde{\mathbf{Q}}\widetilde{\mathbf{Y}}$	Jacobson, Walter H	279 Park Pl., Brooklyn, N. Y. 172 Rector St., Perth Amboy, N. J. 1026 2d Ave., New York, N. Y.	12
2ŘŘ	Johnson, John A	1026 2d Ava New York N V	20
2VC	Johnson, Theophilus is	17 2d St Woodeido N V	48
2RV	Johnson, Theophilus, jr. Johnson, W. Eugene	17 3d St., Woodside, N. Y	20
	Johnston Tomas E	Grant Ave., East Rockaway, N. Y	
280	Johnston, James E	1379 Clay Ave., New Tork, N. I	50
20Y	Jones, Frank	1814 Brunswick St., Newark, N. J	24
2AO	Jones, Robert O	1811 Brunswick St., Newark, N. J 237 Newark Ave., Bloomfield, N. J Ryder Ave., Lynbrook, N. Y	33
2RU	Jordon, Fletcher	Kyder Ave., Lynbrook, N. Y	2:
2DC	Kahn, Walter A	136 Stuvvesant Pl., New York, N. Y	24
2BC	Kaltenbach, Henry J., jr.	150 Alta Ave., Yonkers, N. Y	65
2VT	Kayser, Herbert	150 Alta Ave., Yonkers, N. Y	800
2WA	Keers, John K	224 8lst St., Brooklyn, N. Y	36
2QX	Keller, George C	2181 Richmond Turnpike, Port Richmond, N. Y.	40
2BY	Keller, Julius F	36 Ocean Ave., Edgewater, N. Y	30
2ON	Kellow, James C	144 Liberty Ave., Jamaica, N. Y	550
2GH	Kelting, Clarence A King, Wendell W	144 Liberty Ave., Jamaica, N. Y	27
2QD	King, Wendell W	778 lst Ave., Upper Troy, N. Y	50
2QA	Kinney, E. M	212 Parkwood Blvd., Schenectady, N. Y.	200
2BL	Kirch, George, jr	364 75th St., Brooklyn, N. Y	2
2FI	Kirkpatrick, Louis W	317 6th Ave., Newark, N. J.	1 12
2SZ	Kissick, Robert G	199 Lincoln Pl., Brooklyn, N. Y	50
2TW	Knight, Alexander H	873 E. 162d St., New York, N. Y.	60
2VF	Koch, Edward	168 Willis Ave., New York, N. Y.	20
2NP	Koenig, George F	4279 Webster Ave., New York, N. Y	250
2SF	Kollock, Alan S	4197 University Pl. Woodhaven, N. Y.	36
2QM	Kollock, Alan S Koukol, Edwin P	4197 University Pl., Woodhaven, N. Y 436 W. 23d St., New York, N. Y	28
2BR	Krech, Karl G	316 Godwin Ave., Midland Park, N. J	498
2SQ	Kreeft, Raymond A	61 Cherry St., West Orange, N. J.	30
2KÅ	Kroener, Christian E	115 Watchung Ave., Plainfield, N. J	270
2PU	Lally, Joseph F	16 Short St. Covteeville N. I.	30
2HX	Lane, David M	16 Short St., Coyteeville, N. J	24
20H	Lang, Ernest	411 Spring St., West Hoboken, N. J	30
2UC	Lange, William H	280 7th Ave. Recoklyn N V	300
2WD	Lasher, Charles E	252 Decetus St. Brooklyn N. V.	24
2KR		270 Pinomida Driva Nam Vork N V	450
2TU	Lebowitz, Samuel Lee, Robert J. B	1520 McCommich Ave Ogene Deal N V	
		1530 McCormick Ave., Ozone Park, N. Y.	550
2MT	Leeb, Henry L	166 Ralston Ave., South Orange, N. J	660
2NB	Le Gallez, Clayton B	1500 504b C4 Decables N V	385
2FL	Lehmann, August, jr	1520 50th St., Drooklyn, N. I	35
2WG	Lemkie, Harry A	974 Madison Ave., Albany, N. Y. 1520 56th St., Brooklyn, N. Y. 30 Delaware St., Elizabeth, N. J.	500
2IE	Lemmon, Walter S	319 W. 94th St., New York, N. Y 240 90th St., Brooklyn, N. Y	420
2SI	Le Quesne, C. A., jr Liedecker, Morris	240 SULI St., Brooklyn, N. I	48
2CA	riedecker, Wollie	40 St. Nicholas Pl., New York, N. Y	400
2PL	Lindsay, Daniel E Lindsay, Russell	501 W. 120th St., New York, N. Y	36
2IV	Lindsay, Russell	39 N. 16th St., East Orange, N. J	30
20V	Littlefield, Charles E	OCCO IF OAAL CA Chaamahaad Daar NY V	12
2VI	Loub, Arthur F	445 E. 88th St., New York, N. Y	48
2SA	Lowitz, Donald J	1307 Union St., Brooklyn, N. Y	220
2BZ	Lyman C Glann	George and Cooper Sts., Babylon, N. Y	1 10

Amateur Radio Stations—Second District—Alphabetically by Owners or Stations—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Watts.
2H0	Lyons, William B	Broad St., Bloomfield, N. J	820
2HT	Macartney, George E	Broad St., Bloomfield, N. J	24
2FW	MacPherson, Claude V.	557 W. 144th St., New York, N. Y.	440
20M	Maher, Frank A	557 W. 144th St., New York, N. Y 207 E. 158th St., New York, N. Y	1.6
2UA	Mann, Samuel	120 W 4th St Plainfold N I	33
2QE	Manloy I on I	120 W. 4th St., Plainfield, N. J	50
	Manley, Lee L Manvell, Edwin H	280 Evergroop Ave. Procklyn N V	18
2PP	Manyen, Edwin H	289 Evergreen Ave., Brooklyn, N. Y	
2OX	Mardon, F. Herbert	1309 West Farms Rd., New York, N. Y.	20
2GL	Marshall, Richard E	238 Westchester Ave., Port Chester, N.Y.	550
2SG	May, Fred	143 High St., Montclair, N. J	12
2TD	Mayer, Arthur C	319 W. 139th St., New York, N. Y	220
2HP	Mayhew, B. Alan, jr	Laurel Ave., Tenafly, N. J	1,000
2WR	Mayhew, H. Clifford	346 Main St., New Rochelle, N. Y	18
2VX	McCarthy, George W		24
2IL	McClintock, George C	319 Dudley Ave., Westfield, N. J	250
2KP	McClure, Donald McCoy, Daniel	319 Dudley Ave., Westfield, N. J. 11 Rudd Court, Glen Ridge, N. J. 45 Lee Ave., Yonkers, N. Y.	48
2HA	McCoy, Daniel	45 Lee Ave., Yonkers, N. Y	1,000
2DF	McIntire, Meylert A	1121 Ave. G. Diousiya, N. 1	250
2RQ	McKinney, Donald B.	Dorthwick Ave., Dennar, N. I	500
2EY	McKinney, Donald B McKinney, Fred J	300 Glenwood Ave., Bloomfield, N. J.	54
2LG	McLaughlin, Fred L	300 Glenwood Ave., Bloomfield, N. J 242 Nostrand Ave., New York, N. Y	90
2KY	McLoughlin, Robert J	105 Francisco Ave., Rutherford, N. J	190
2SH	McQuaide, James P	Larchmont Gardens, Larchmont, N. Y	880
2LI	Meacham, Fredk. C., jr.	236 Decatur St. Brooklyn N. V.	72
2EP		236 Decatur St., Brooklyn, N. Y	330
2NV	Mead, George S. V	12 Archer Ave., Mt. Vernon, N. Y 990 1st Ave., New York, N. Y 2244 Hughes Ave., New York, N. Y	550
	Meder, George C	2244 Hughes Ave. New York N. V	
2NX	Mehrbrey, William	07 7 chairlie CA Terror Cian N T	2
2OF	Meinecke, Ernest	27 Zabriskie St., Jersey City, N. J Roosevelt St., Lynbrook, N. Y	20
2SL	Merrill, J. Stewart	Rooseveit St., Lynbrook, N. Y	1,000
2NO	Merritt, Frank	28 Spring St., Red Bank, N. J	350
2QZ	Meyer, Charles A	Fair Haven, N. J.	30
2EL	Meyer, William E	181 W. 63d St., New York, N. Y	81
2LA	Miller, Frederick R	Fair Haven, N. J. 181 W. 63d St., New York, N. Y. 42 John St., Englewood, N. J.	24
2JK	Mitchell, Arthur M	200 II. IUI Du, IICWAIR, II. J	48
2TI	Mitchell, Everitt	7 S. Bayles St., Port Washington, N. Y 229 Valentine Lane, Yonkers, N. Y	270
2NI	Moles, Charles E	229 Valentine Lane, Yonkers, N. Y	138
2PQ	Monsen, Hans S	583 Riverside Drive, New York, N. Y	250
2WŬ	Moore, H. Atherton	95 Prospect St., Nutley, N. J	1,000
2BI	Morgan, Waller V	149 Urban St., Mt. Vernon, N. Y	24
2CO	Morgan, Waller V Morrell, W. Frank	Broadway and 1st St., Keyport, N. J	500
2MI	Morris, Earle S	1192 Dean St., Brooklyn, N. Y	500
2MY	Morris, Robert	1192 Dean St., Brooklyn, N. Y	33
2LN	Morrison, Clifford P	365 Warburton Ave., Yonkers, N. Y	400
2PO	Mott, Harold	67 Mott Ave., Far Rockaway, N. Y	5
2BG	Mowton, Edward M	67 Mott Ave., Far Rockaway, N. Y 70 Hillcrest Ave., Yonkers, N. Y	27
2AG	Mulford, Harold C	6 Weekes Ave. Ovster Ray N Y	44
28K	Murroy Charles	Long Hill Rd Little Felle N I	250
2KX	Murray, Charles Noble, Kendrick	441 N Broadway Vonkors N V	30
	Nolon Front I	100 Linder Ave. Dleemfeld N. I	18
2WF	Nolan, Frank J	OOF T 1574h Ct Now Vools N V	
20L	O'Brien, Laurence J	6 Weekes Ave., Oyster Bay, N. Y. Long Hill Rd., Little Falls, N. J. 441 N. Broadway, Yonkers, N. Y. 100 Linden Ave., Bloomfield, N. J. 285 E. 157th St., New York, N. Y. 7 Nassau Ave., Freeport, N. Y. 134 W. 66th St. New York N. Y.	250
2CK	O'Brien, Thomas	1 Nassau Ave., Freeport, N. I	25
2HS	O'Mara, Edward F	I TO I W. OUT DU, INCW I DIE, IN I	1:
2QU	Osborne, J. Spencer	45 Broad St., Newark, N. J.	
2MO	Ostman, Frederick B Otten, G. C	45 Broad St., Newark, N. J	4
2PK			1:
2RE	Pacent, L. Gerard	218 Young St., Blissville, N. Y	2
2NK	Palm, J. Adam	18 14th Ave., Mt. Vernon, N. Y	3
2DY	Palmer, Corydon	48 W. 50th St., New York, N. Y	88
2CU	Palmland, Philip	1144 St. Johns Pl., Brooklyn, N. Y	3

AMATEUR RADIO STATIONS—SECOND DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Por
OFF	Danie Bakant	140 Marshall Ca. Plieshedh N. T.	We
2FB	Pareis, Robert	149 Marshall St., Elizabeth, N. J. 21 Locust Ave., Troy, N. Y. 307 Gregory Ave., Fassaic, N. J.	1
2TT	Pattison, Edward H	21 Locust Ave., 170y, N. 1	
2AZ	Pearl, Eugene S	307 Gregory Ave., Passaic, N. J	
2WH	Pearsall, Arthur R	197 Warburton Ave., Yonkers, N. Y	1
2MP	Pearsall, William E	226 Moffat St., Brooklyn, N. Y	
2BS	Pearson, Herbert B	997 Sterling Pl., Brooklyn, N. Y 9 North End Ter., Newark, N. J	·l
2TF	Pearson, James W	9 North End Ter., Newark, N. J	-
2GO	Peltier, Paul D	345 W. 70th St., New York, N. Y	١.
2TY	Pendleton, Archibald F.	49 Pendleton Pl., New Brighton, N. Y	1,
2MD	Pendleton, Harold A	799 Quincy St., Brooklyn, N. Y	
2FM	Perkins, William P	35 Grant Ave., Yonkers, N. Y	1
2HG	Peters, Frank J	Broad St., Bloomfield, N.J	1
2FA	Pfeifer, Clarence H	Broad St., Bloomfield, N. J	1
2NZ	Pfeil, A. Leslie	242 Cottage St., Irvington, N.J	
2WJ	Pflomm, George M	1829 Topping Ave., New York, N. Y	
2UX	Phelan, Charles W	61 Powell Ave., Rockville Center, N. Y	
2BP	Phipps, Donald A	61 Powell Ave., Rockville Center, N. Y Oyster Bay, N. Y	1
2RX	Picken, James C., jr	2287 University Ave., New York, N. Y	1
2GZ	Plate, Fred W	91 Van Revnen St. Jersey City, N. J.	1
2KW	Plummer, James A	91 Van Reypen St., Jersey City, N. J 340 Orient Way, Rutherford, N. J	1
2CZ	Poe, Vergil C	862 Sterling Pl., Brooklyn, N. Y	
2UM	Poling, Russell H	Races St. Kaymort N. I	1
2WC	Pollock I Millard	Beers St., Reyport, N. J. 34 Clifton Pl., Brooklyn, N. Y. 24 Carrol St., Yonkers, N. Y.	
2PF	Pollock, J. Millard	94 Camplet Vonkora N V	
	Pope, Frederick B	1700 Diemag Aug. Drockler, N. V	1
2RJ	Porter, Charles A	1700 Ditmas Ave., Brooklyn, N. Y	
20P	Prendergast, Robert M	174 4th St., Union Course, N. Y	
2DL	Price, Henry S	435 Clinton Ave., Drooklyn, N. 1	1
2CD	Prosser, Roger D	Chestnut St., Englewood, N. J	1
2EI	Quick, Henry C	471 75th St., Brooklyn, N. Y	
2ML	Quinby, E. Jay	Aqueduct Ave. and Fordham Rd., New York, N. Y.	
2QL	Rabi, Isidor	481 Hopkinson Ave., New York, N. Y 558 W. 165th St., New York, N. Y 82 Booraem Ave., Jersey City, N. J	
2ŤK	Randolph, Randolph A	558 W. 165th St., New York, N. Y	
2HC	Raqué, Carl P	82 Boorsem Ave Jersey City, N. J.	1
2RH	Reiss, Lester	580 W. 161st St., New York, N. Y	
2RB	Reuman William H	480 9th Ave New York N Y	
20W	Reuman, William H Rextrew, Walter C	480 9th Ave., New York, N. Y	
2NT	Reyl, George	309 E. 86th St., New York, N. Y	
21D	Reyle, Stanley	421 Van Rainan Ava James City N I	
2R8	Paymann Albert F	421 Van Reipen Ave., Jersey City, N. J 752 9th Ave., New York, N. Y	1
218	Reymann, Albert E Ricketts, Percy E	Goorge St. Dahulan N. V.	
	Ritscher Hans	George St., Babylon, N. Y	1
2QF 2TX	Ritscher, Hans	807 Garden St., Hoboken, N. J. Babylon, N. Y. Tenafly Rd., Tenafly, N. J.	1
2LC	Robbins, Walter G Roberts, A. Perry	Tone Av Dd Tone Av N T	1
	Doborto Truca T	CC F Doldmin St Disconfold N 7	1
2MC	Roberts, Irven J	66 E. Baldwin St., Bloomfield, N. J	
2VE	Robertson, Gus	125 Hunter Ave., Long Island City, N. Y. 57 Montroes Ave., Rutherford N. J.	1
2QR	Robertson, William L	O Imina Di Jamaica N V	1,
2TR	Roche, Walter J	2 Irving Pl., Jamaica, N. Y	
2LJ	Rodenburg, Herman	1626 2d Ave., New York, N. Y	1
2SJ	Rodriguez, Joseph, jr	223 23d St., Brooklyn, N. Y. 200 W. 113th St., New York, N. Y.	1
2KV	Rogers, Lorlys R	ZUU W. 113th St., New York, N. Y	1
2TH	Roy, James A. S.	59 Park Ter., West Orange, N. J	-1
2IA	Royce, Winfred A	1329 49th St., Brooklyn, N. Y. 107 2d Ave., Pelham, N. Y.	1.
2JY	Rupert, S. E. G	107 2d Ave., Pelham, N. Y	1,
2GP	Rutherford, T. Bruce	42 Hawthorne St., Brooklyn, N. Y.,	. 1
2DE	Ruttmann, Ferdinand	605 W. 141st St., New York, N. Y	1
2WL	Ryan, Lester F	18 Kosciusko St., Brooklyn, N. Y	-
2DM	Sach Harold	605 W. 141st St., New York, N. Y. 18 Koeciusko St., Brooklyn, N. Y. 701, Madison Ave., New York, N. Y.	
2HN	Sands, Walter H	178 Anchor Ave., Mt. Vernon, N. Y	-
28B	Sangree, Ernest M	1807 Ditmas Ave., Brooklyn, N. Y	1

AMATEUR RADIO STATIONS—SECOND DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

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Call signal.	Owner of station.	Location of station.	Powe
			Watts
2LH	Sayres, Ralph A	4645 Central Ave., Richmond Hill, N. Y	3
2SU	Schabbehar, Edwin A	412 Village Ave., Rockville Center, N. Y	77
2JB	Schaefer, Charles L	201 Broadway, Port Richmond, N. Y	50
210	Scharrenbeck, George H.	126 W. 1st St., Mt. Vernon, N. Y	22
2EQ	Schedler, Herbert	328 Central Ave., Jersey City, N. J	30
2BF	Schell, Richard, jr	35 Grasmere Ave., Grasmere, N. Y 211 Orange Rd., Montclair, N. J	35
2BO	Schermerhorn, Howard F.	211 Orange Rd., Montclair, N. J.	30
2DJ	Schlitz, Karl W	28 Jefferson St., Brooklyn, N. Y	3
2NC	Schmid, Paul	110 S. Division St., Peekskill, N. Y	77
2EO	Schneider, Alexander	326 E. 69th St., New York, N. Y	4
2VO		Pleasantrille N V	
2PD	Scholerman, Carl	Pleasantville, N. Y	1,00
	Schomp, Roy	70 Undercim Ave., Edgewater, N.J	2
2CB	Schram, John, jr	21 Locust St., Brooklyn, N. Y	(
2BH	Schulte, Carl E	67 Oak St., Ridgewood, N. J	2
2EZ	Schupp, Charles H	Linden Ave., River Edge, N.J. 80 2d Ave., New York, N.Y	2
2UY	Schwartz, Abraham H	80 2d Ave., New York, N. Y	3
2DQ	Schwarzkopf, Irving M	138 E. 95th St., New York, N. Y	50
2ND	Schweizer, Charles L	138 E. 95th St., New York, N. Y	
2IN	Scofield, Robert W	87 Macon St., Brooklyn, N. Y	
2AN	Sedlak, Conrad J	633 Main St., New Durham, N. J.,	
2PM	Sellars, Millard	96 N. Bergen Pl., Freeport, N. Y 231 Park Pl., Brooklyn, N. Y	
2DX	Seyd, Ernest K	231 Park Pl Brooklyn N V	
2NM	Sharp, Watkin W	Far Rockaway, N. Y.	1, 0
		0100 Comercia Lana Procedum N V	
2PZ	Shaw, Horace S	2120 Canarsie Lane, Brooklyn, N. Y	
2KS	Shropshire, Lee R	Grand Ave., Palisades Park, N. J 1538 E. 15th St., Brooklyn, N. Y	5
2OU	Siebert, Walter	1538 E. 15th St., Brooklyn, N. Y	
2GR	Slagle, E. Lester	25 S. 2d Ave., Mt. Vernon, N. Y	
2RY	Slosilo, Stephen J	412 17th St., Brooklyn, N. Y	
2MK	Smith, Daniel W	South St., Oyster Bay, N. Y	1:
2QV	Smith, Edgar T Smith, Joseph T	185 Brooklyn Ave., Brooklyn, N. Y	2
2DU	Smith, Joseph T	126 E. 114th St., New York, N. Y	5
2JP	Smith, Julius J. R	807 Lincoln Pl., Brooklyn, N. Y	
2JO	Smith, Nelson V	Lawrence Ave., Lawrence, N. Y	1,0
2GW	Snowden, Fred	R. F. D. No. 49, Schenectady, N. Y	6
2KH		620 46th St., Brooklyn, N. Y	0
	Solberg, Walter	150 2d Area Nowarls N T	5
2GC	Sonn, Albert E	150 2d Ave., Newark, N. J. 65 Odell St., Schenectady, N. Y. 25 S. 4th St., Lakeview, N. J. 660 W. 180th St., New York, N. Y.	2
2RP	Sorgens, Walter M	65 Oden St., Schenectady, N. 1	
2IM	Spangenberg, Lester	25 S. 4th St., Lakeview, N. J	8
2WP	Spannaus, Charles O	660 W. 180th St., New York, N. 1	5
2FD	Spiegel, Walter	1611 lst Ave., New York, N. Y	
2RF	Springer, C. Meredith	339 Union St., Far Rockaway, N. Y	
2FS	Stanley, Howard L	Main St., Babylon, N. Y	2
2AL	Stanley, Walter N	654 Putnam Ave., Brooklyn, N. Y	
20K	Stanton, Walter	46 Smith St., Rockville Center, N. Y	
2VW	Steinkamp, Harold	89 Hyatt Ave., Yonkers, N. Y	5
2UW	Stevens, Herbert H	4 Elm St., West Orange, N. J.	
2UZ	Stewart, G. Edwin	87 N. Center Ave., Rockville Center, N.Y.	1,0
		1100 Padford Asso Proplan N V	1,0
2KO	Stone, Brownell	1128 Bedford Ave., Brooklyn, N. Y	
2JA	Story, Robert K., jr	212 Hancock St., Brooklyn, N. Y	
2TA	Stricker, Fred W	52 6th St., Elizabeth, N. J.	3
2LV	Stutz, Ernest W	126 Bainbridge St., Brooklyn, N. Y	
2LR	Taussig, Charles W	36 W. 85th St., New York, N. Y	3
2IH	Tense, William F	18 Madison Ave., Clifton, N. J	
2EC	Thiede, Ferdinand C	486 Decatur St., Brooklyn, N. Y	
2PJ	Thomas, Alonzo E., jr	486 Decatur St., Brooklyn, N. Y 176-A Union St., Jersey City, N. J	
2PW	Timmins, Walter J	76 Davis Ave., Kearny, N. J	
	Tong, Myron A	148 Housman Ave., Castleton Hill, N. Y.	1
2OJ			

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AMATEUR RADIO STATIONS—SECOND DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Watts.
2PT	Traver, William F	Chandler Ave., Far Rockaway, N. Y	12
2RN	Tucker, George C	Broadway, Upper Nyack, N. Y	24
2KB	Tyrrel, Randolph E	677 E. 19th St., Brooklyn, N. Y	250
2ST	Udell, Carlton G	130 Lincoln Pl., Brooklyn, N. Y	30
2RM	Underhill, Chester R	24 Forest St., Montclair, N. J	120
2HD	Underwood, Kenneth C.	259 Mt. Prospect Ave., Newark, N. J	324
2KI	Uphoff, Leslie S	120 Avenue B. Schenectady, N. Y	550
20T	Urbain, Ferdinand A	120 Avenue B, Schenectady, N. Y	180
2SE	Van Duzer, Charles P	172 Fisk Ave., Westerleigh, N. Y	50
2UU	Vanderbilt, Clinton B	214 Imwood Ave., Upper Montclair, N. J.	24
2MG	Vaughan, George W., jr.	34 S. 9th Ave., Mt. Vernon, N. Y	250
		36 Watson St., Paterson, N. J.	12
20R	Veneman, Peter	24 Chester St., Mt. Vernon, N. Y	250
	Vermilya, Irving	83 Hamilton Ave., Yonkers, N. Y	15
20Q	Wade, J. Melmoth	111 Police DI Nomest N I	
2CV	Waibel, Walter W	111 Fabyan Pl., Newark, N. J.	250
20E	Walker, Raymond L	49 Roseville Ave., Newark, N. J.	18
2QO	Walsh, James L	172 Park Ave., East Rutherford, N. J	250
2QP	Ward, John R	160 Garfield Pl., Brooklyn, N. Y	40
2RC	Watson, Edmund A	78 Van Ness Ave., Rutherford, N. J	660
2DZ	Watters, John J	Port Richmond, N. Y	500
2FR	Way, John D	214 W. 92d St., New York, N. Y	260
2MQ	Weber, Ernest A	285 S. 2d St., New York, N. Y	18
2KŽ	Weden, Charles	97 Myrtle St., Bloomfield, N. J	1 12
2FH	Weiss, Jacob	5 Adams St., Port Washington, N. Y	1,000
2JE	Wendelstadt, Lucius F	8 Seymour St., Montclair, N. J	1,000
2KC	Werner, Charles M	252 Cambridge Ave., Jersey City, N. J	25
2GE	West, Thomas R	256 Grand Ave., Leonia, N. J.	30
2NE	Westerhoff, Peter, jr	256 Grand Ave., Leonia, N. J	500
2TJ	White, Howard E	Rye, N. Y.	36
2BW	Whitson, John H	Briarcliff Manor, N. Y	500
2EH	Wilmott, George B	1138 E. 37th St., Brooklyn, N. Y	50
2WQ	Willets, Gilson V	92 Hamilton Ave., Yonkers, N. Y	12
2UI		73 S. Arlington Ave., East Orange, N. J	14
	Williams, Arthur D	001 Medican Assa Porth Ambos N. J	
2EA	Williams, Earl C	261 Madison Ave., Perth Amboy, N. J	330
2MJ	Williams, Roy D	801 Halsey St., Brooklyn, N. Y	24
2QI	Wimpfheimer, Gustave R		250
2DA	Winn, Arthur H	325 Church St., Poughkeepsie, N. Y	50
2FP	Woerner, Charles A	247 Union St., Jersey City, N. J	30
2NR	Wohltmann, Henry M	168 W. 55th St., Brooklyn, N. Y	30
2LZ	Woodrow, William	224 W. 140th St., New York, N. Y	880
2IW	Worth, John B	Madison St., Cresskill, N. J	36
2BE	Yerbury, George S., jr	21 Irving Pl., Passaic, N. J	36
2IT	Young, Henry	179 4th St., Jersey City, N. J	12
2HV	Zeitz, Edwin	404 Ralph St., Brooklyn, N. Y	75
200	Zimmermann, Edwin W.	106 Magnolia Ave., Arlington, N. J	100
2DB	Zucker, Richard D	45 Clinton Pl., Mt. Vernon, N. Y	250

ALPHABETICALLY BY CALL SIGNALS.

Call signal.	Owner of station.	Call signal.	Owner of station.
2AA	Flagg, John H.	2AG	Mulford, Harold C.
2AC	Hart, Gifford R.	2AH	Edelman, Abraham.
2AD	Dammers, Albert.	2AI	Eber, John G.
2AE	Happe, William H.	2AK	Ferris, Howard E.
2AF	Bryant, Marquis V.	2AL	Stanley, Walter N.

Amateur Radio Stations—Second District—Alphabetically by Call Signals—Continued.

Callsignal.	Owner of station.	Call signal.	Owner of station.
2AM	Haeselbarth, Percy.	2DO	Gerrity, John J.
2AN	Sedlak, Conrad J.	$2\widetilde{\mathrm{D}}\widetilde{\mathrm{Q}}$	Schwarzkopf, Irving M.
	Iones Debest O		
2AO	Jones, Robert O.	2DR	Cooper, Telfer C.
2AQ	Corson, David N.	2DS	Clark, Le Roy.
2AS	De Yoe, Willard L. Guild, Baldwin.	2DU	Smith, Joseph T.
2AT	Guild, Baldwin.	2DV	Hathaway, Harry C. B.
2AU	Bryan, Chester W.	2DX	Seyd, Ernest K.
2AY	Gittelbauer, Frederick.	2DY	Palmer, Corydon.
2AZ	Pearl, Eugene S.	2DZ	Watters, John J.
2BC	Kaltenbach, Henry J., jr.	2EA	Williams, Earl C.
2BD	Banta, Theodore C.	2EC	Thiede, Ferdinand C.
2BE	Yerbury, George S., jr.	2EE	Jacobs, Charles F. Hurd, Theodore. Hurd, John B.
$\overline{^{2}BF}$	Schell, Richard, jr.	2EF	Hurd Theodore
2BG	Mowton, Edward M.	2EG	Hurd John B
2BH	Schulte Carl E	2EH	Wilmott Goome P
	Schulte, Carl E.		Wilmott, George B.
2BI	Morgan, Waller V. Green, Adoniram J.	2EI	Quick, Henry C.
2BK	Green, Adomram J.	2EJ	Bechtlofft, Claude B.
2BL	Kirch, George, jr.	2EL	Meyer, William E.
2BM	Heermance, Earle.	2EM	Crosby, Roy C.
2BN	Griswold, Edmund J.	2EO	Schneider, Alexander.
2B0	Schermerhorn, Howard F.	2EP	Mead, George S. V.
2BP	Phipps, Donald A.	2EQ	Schedler, Herbert.
2BR	Krech, Karl G.	2ES	Campbell, Robert, jr.
	Posmon Horbert R		England Goorge B
2BS	Pearson, Herbert B.	2ET	England, George B.
2BT	Barrett's School of Telegraphy.	2EU	Droste, George T.
2BW	Whitson, John H.	2EV	Hallock, Charles S.
2BY	Keller, Julius F.	2EW	Hamilton, Joseph E.
2BZ	Lyman, C. Glenn.	2EX	Jackson, Benjamin B.
	•	2EY	McKinney, Fred J.
2CA	Liedecker, Morris.	2EZ	Schupp, Charles H.
2CB	Schram, John, jr.	-22	Benupp, chartes 22.
	Process Posses D	917.4	Disitor Clarence H
2CD	Prosser, Roger D. Austin, Edward.	2FA	Pfeifer, Clarence H.
2CI	Austin, Edward.	2FB	Pareis, Robert.
2CJ	Bathgate, Walter E. O'Brien, Thomas. Dickey, Edward T. Morrell, W. Frank.	2FD	Spiegel, Walter.
2CK	O'Brien, Thomas.	2FE	Cheel, Harold W.
2CN	Dickey, Edward T.	2FH	Weiss, Jacob.
2CO	Morrell, W. Frank.	2FI	Kirkpatrick, Louis W.
2CP	Totten, Elmer E.	2FJ	Helwig, Herman F.
2CQ	Dilg, A. Norman.	2FK	
200	Dlaurelt William M		Hamilton, Ralph.
2CR	Blauvelt, William M.	2FL	Lehmann, August, jr.
2CT	Bunn, Milo B.	2FM	Perkins, William P. Clark, William C.
2CU	Palmland, Philip.	2FO	Clark, William C.
2CV	Waibel, Walter W.	2FP	Woerner, Charles A.
2CZ	Poe, Vergil C.	2FQ 2FR	Hardwick, Ambrose H.
1	. •	2FŘ	Way, John D.
2DA	Winn, Arthur H	2FS	Stanley, Howard L.
2DB	Zucker, Richard D.	2FT	Bishop, Mortimer Z.
2DC	Kahn, Walter A.	2FU	
	Fitzgorald Gordon D		Benzing, Herman.
2DD	Fitzgerald, Gordon P.	2FW	MacPherson, Claude V.
2DE	Ruttmann, Ferdinand.	2FY	Hartman, Robert.
2DF	McIntire, Meylert A.	2FZ	Harris, Charles C.
2DG	Higgs, Harry Y.		
2DI	Cyriax, Ernest A.	2GB	Bartlett, Bernard W.
2DJ	Schlitz, Karl W.	ZĞC	Sonn, Albert E.
2DK	Hill, William S.	2GD	Farquharson, John S.
2DL	Price Henry S		
	Price, Henry S.	2GE	West, Thomas R.
2DM	Sachs, Harold.	2GF	Gabrielson, Henry M.
2DN	Cullen, Edward R.	2GG	Dahlgren, Birger A.

Amateur Radio Stations—Second District—Alphabetically by Call Signals—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
2GH	Kelting, Clarence A.	2JO	Smith, Nelson V.
2GI	Bockelmann, Charles F.	2JP	Smith, Julius J. R.
2GK	Hubbard, John W.	2JU	Goette, C. J.
2GL	Marshall, Richard E.	2JX	De Cortin, Gustav A.
2GM	Ballard, J. Adams.	2JY	Rupert, S. E. G.
2GO	Peltier, Paul D.		10apa 0, 2. 2. a.
2GP	Rutherford, T. Bruce.	2KA	Kroener, Christian E.
2GR	Slagle, E. Lester.	2KB	Tyrrel, Randolph E.
2GU	Inwright, John A.	2KC	Werner, Charles M.
2GW	Snowden, Fred.	2KD	Browne, Walram S.
2GX	Fallon, Harry A., jr.	2KE	Frey, George.
2GZ	Plate, Fred W.	2KH	Solberg, Walter.
	,	2KI	Uphoff, Leslie S.
2HA	McCoy, Daniel.	2KJ	Beebe, Lloyd S.
2HC	Raqué, Carl P.	2KK	Day, Howard B.
2HD	Underwood, Kenneth C.	2KL	Gregory, Arthur V.
2HF	Coote, Charles W.	2KM	Francis, Charles E.
2HG	Peters, Frank J.	2KN	Collison, Percy B.
2HH	Dederick, H. C.	2KO	Stone, Brownell.
2HJ	Hadden, Weston.	2KP	McClure, Donald.
2HK	Dederick, H. C. Hadden, Weston. Burrows, Henry P.	2KQ	Edwards, Harry M., jr.
2HN	Sands. Walter H.	2KŘ	Lebowitz, Samuel.
2HO	Sands, Walter H. Lyons, William B.	2KS	Shropshire, Lee R.
2HP	Mayhew, B. Alan, jr.	2KV	Rogers, Lorlys R.
2HR	Chandler, Arthur C.	2KW	Plummer, James A.
2HS	O'Mara, Edward F.	2KX	Noble, Kendrick.
2HT	Macartney, George E.	2KY	McLoughlin, Robert J.
2HÛ	Hotchkiss, Grosvenor.	2KZ	Weden, Charles.
2HV	Zeitz, Edwin.		W 0404, 044100.
2HX	Lane, David M.	2LA	Miller, Frederick R.
		2LB	Bertine, Edwin K.
2IA	Royce, Winfred A.	2LC	Boberta A. Perry.
2ID	Reyle, Stanley.	2LD	Roberts, A. Perry. Cotter, William F.
2ÎE	Lemmon Walter S.	2LE	Egolf, Richard S.
2ÎH	Lemmon, Walter S. Tense, William F.	2LF	Bartlett, Charles H.
ŽII	Howell, Walter J.	2LG	McLaughlin, Fred L.
2ÎĴ	Cochran, Alexander.	2LH	Sayres, Ralph A.
2ÎL	McClintock, George C.	2I.I	Meacham, Frederick C., jr.
2ÎM	Spangenberg, Lester.		Rodenburg, Herman.
2IN	Scofield, Robert W.		Benedict, Alonzo R.
210	Scharrenbeck, George H.	2LM	Dunn, Laurence J.
2ÎQ	Elliott, Paul C.	2LN	Morrison, Clifford P.
2ÎŘ	Foulke, J. Brion, jr.	2LO	Coffin, Russell S.
2IS	Ricketts, Percy E.	2LP	Green, Raymond J.
2ÎT	Young, Henry.		Belt, Charles B.
2ÎV	Lindsay, Russell.	2LŘ	Taussig, Charles W.
2ÎW	Lindsay, Russell. Worth, John B.	2LT	Galvin, Lee R. Baker, William N. Stutz, Ernest W.
2ÏY	Dugan, Edward W.	2LU	Baker, William N.
2ÎŽ	Fraser, Frank.	21.V	Stutz, Ernest W.
	- 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2LV 2LX	Adelphi College.
2JA	Story, Robert K., jr.	2LY	Hoover, Raymond.
2JB	Schaefer, Charles L.		Woodrow, William.
2JD	Boeder, Arthur R.		
2JE	Wendelstadt, Lucius F.	2MA	Hallenbeck, Charles.
2JF	Frey, Anthony C.	2MC	Roberts, Irven J.
2JH		2MD	Pendleton, Harold A.
2JI	Brown, David S., jr. Eddy, Leonard E.	2ME	Archibald, John O.
2JK	Mitchell, Arthur M.	2MF	Hoppock, Allen H.
2JN	Freeland, Wilbur W.	2MG	Vaughan, George W., jr.

Amateur Radio Stations—Second District—Alphabetically by Call Signals—Continued.

2MH Buchanan, William F. 2MI Williams, Roy D. 2MK Smith, Daniel W. 2MK Smith, Daniel W. 2MK Apgar, Charles E. 2MN Carrougher, Vivian A. 2MC Ostman, Frederick B. 2MP Pearsall, William E. 2MQ Weber, Ernest A. 2MR Adwater, Frank G., jr. 2MS Berri, Herbert. 2MW Leeb, Henry L. 2MU Hengerer, Howard B. 2MV Bell, Arthur E. 2MW Crichton, Arthur M. 2MK Heffernan, William J. 2MY Morris, Robert. 2NA Adickes, Ernest D. 2NA Le Gallez, Clayton B. 2NC Schmid, Paul. 2NF Homan, Eber J. 2NH Horn, Charles W. 2NN Buck, David E. 2NN Buck, David E. 2NN Buck, David E. 2NN Buck, David E. 2NN Wohltmann, Henry M. 2NP Reyl, George F. 2NO Meder, George F. 2NV Meder, George C. 2NX Mehrbrey, William. 2NY Austrian, Ralph B. 2NZ Pfeil, A. Leeile. 2NG Schweizer, Ralph B. 2NZ Pfeil, A. Leeile. 2NG Schweizer, Ralph B. 2NG Webler, George C. 2NX Mehrbrey, William. 2NS Hoffman, Paul J. 2NS Hoffman, Paul J. 2PK George E. 2NV Meder, George C. 2NX Mehrbrey, William. 2PK George G. 2NX Mehrbrey, William. 2PK George G. 2NY Meder, George C. 2NX Mehrbrey, William. 2PK George G. 2PK Chen, Samuel. 2PK Grobe, Alfred H. 2NG Meder, George C. 2NX Mehrbrey, William. 2PK Gallez, Clayton B. 2PK Grobe, Alfred H. 2NP Grobe	Call signal.	Owner of station.	Call signal.	Owner of station.
2MJ Williams, Roy D. 2MK Smith, Daniel W. 2ML Quinby, E. J. Apgar, Charles E. 2MN Carrougher, Vivian A. 2MO Ostman, Frederick B. 2MP Pearsall, William E. 2MW Pearsall, William E. 2MW Weber, Ernest A. 2MR Atwater, Frank A. 2MR Berri, Herbert. 2MU Hengerer, Howard B. 2MV Efferman, William J. 2MY Morris, Robert. 2PA Carman, Newton I. 4 Haight, Russell P. 2PD Barriette, Samuel L. 2PD Schmid, Paul. 2PH Blackburn, Godfrey C. 2PH Selare, Milliam J. 2PH Selackburn, Godfrey C. 2PH Selare, Milliam J. 2PH Selackburn, Godfrey C. 2PH Selare, Milliam J. 2PH Selare, Malter, J. 2PH Selare, William J. 2PH Selare, Milliam J. 2PH Selare, William J. 2PH Selare, Malter, J. 2PH Selare, Walter J. 2PH Serventure, Walter J. 2PH Selare, Malter, L. 2PH Selare, Walter J. 2PH Selare, Malter, L. 2PH Selare, Walter J. 2PH Selare, Walter J. 2PH Barriet, Samuel L. 2PH Barriet, Walter J. 2PH B	2MH	Buchanan William F.	20P	Prendergast, Robert M
2MK ZML Quinby, E. J. 2MM Apgar, Charles E. 2MN Carrougher, Vivian A. 2MO Ostman, Frederick B. 2MP Pearsall, William E. 2MW Weber, Ernest A. 2MR Atwater, Frank G., jr. 2MS Berri, Herbert. 2MU Hengerer, Howard B. 2MV Bell, Arthur E. 2MW Crichton, Arthur M. 2MX Heffernan, William J. 2MY Morris, Robert. 2PA Carman, Newton I. 2PB Barritet, Samuel L. 2PD Schomp, Roy. 2PF Fritch, Vincent J. 2PF Barriette, Samuel L. 2PF Barriette, Samuel L. 2PF Pope, Frederick B. 2PG Evatesin, William J. 2PF Pope, Frederick B. 2PG Evans, Clarence L. 2PH Blackburn, Godfrey C. 2PL Lindsay, Daniel E. 2PO Schweizer, Charles L. 2PH Blackburn, Godfrey C. 2PL Lindsay, Daniel E. 2PO Otten, G. C. 2PL Lindsay, Daniel E. 2PH Blackburn, Godfrey C. 2PL Lindsay, Daniel E. 2PH Blackburn, Godfrey C. 2PL Lindsay, Daniel E. 2PN Berger, H. C. V. B. 4 Monsen, Hans S. 2PR Owtt, Harold. 4 Manvell, Edwin H. 4 Monsen, Hans S. 2PP Dynner, Eugene. 2PP Mort, Harold. 4 Manvell, Edwin H. 4 Monsen, Hans S. 2PP Dynner, Eugene. 2PP Lally, Joseph F. 2PU Shaw, Horace S. 2PZ Hamilton, Albert G., jr. 2PZ Hamilton, Albert G., jr. 2PZ Lally, Joseph F. 2PZ Lindsay, Daniel E. 2PN Berger, H. C. V. B. 3PR Backburn, Godfrey C. 3PR Barritt, Vincent J. 3PH Backburn, Godfrey C. 3PR Barritt, Fank A. 3PY Dope, Frederick B. 3PP Britch, Vincent J. 3PP Barritte, Samuel L. 3PF Barritte, Samuel L. 3PF Barritte, Samuel L. 3PF Carman, Newton I. 4PP Barritte, Samuel L. 3PF Carman, Newto			200	Wade, J. Melmoth
2MK ZML Quinby, E. J. 2MM Apgar, Charles E. 2MN Carrougher, Vivian A. 2MO Ostman, Frederick B. 2MP Pearsall, William E. 2MW Weber, Ernest A. 2MR Atwater, Frank G., jr. 2MS Berri, Herbert. 2MU Hengerer, Howard B. 2MV Bell, Arthur E. 2MW Crichton, Arthur M. 2MX Heffernan, William J. 2MY Morris, Robert. 2PA Carman, Newton I. 2PB Barritet, Samuel L. 2PD Schomp, Roy. 2PF Fritch, Vincent J. 2PF Barriette, Samuel L. 2PF Barriette, Samuel L. 2PF Pope, Frederick B. 2PG Evatesin, William J. 2PF Pope, Frederick B. 2PG Evans, Clarence L. 2PH Blackburn, Godfrey C. 2PL Lindsay, Daniel E. 2PO Schweizer, Charles L. 2PH Blackburn, Godfrey C. 2PL Lindsay, Daniel E. 2PO Otten, G. C. 2PL Lindsay, Daniel E. 2PH Blackburn, Godfrey C. 2PL Lindsay, Daniel E. 2PH Blackburn, Godfrey C. 2PL Lindsay, Daniel E. 2PN Berger, H. C. V. B. 4 Monsen, Hans S. 2PR Owtt, Harold. 4 Manvell, Edwin H. 4 Monsen, Hans S. 2PP Dynner, Eugene. 2PP Mort, Harold. 4 Manvell, Edwin H. 4 Monsen, Hans S. 2PP Dynner, Eugene. 2PP Lally, Joseph F. 2PU Shaw, Horace S. 2PZ Hamilton, Albert G., jr. 2PZ Hamilton, Albert G., jr. 2PZ Lally, Joseph F. 2PZ Lindsay, Daniel E. 2PN Berger, H. C. V. B. 3PR Backburn, Godfrey C. 3PR Barritt, Vincent J. 3PH Backburn, Godfrey C. 3PR Barritt, Fank A. 3PY Dope, Frederick B. 3PP Britch, Vincent J. 3PP Barritte, Samuel L. 3PF Barritte, Samuel L. 3PF Barritte, Samuel L. 3PF Carman, Newton I. 4PP Barritte, Samuel L. 3PF Carman, Newto			ZŎŘ	Vermilya Irving
2ML Quinby, E. J. 2MM Apgar, Charles E. 2MN Carrougher, Vivian A. 2MO Ostman, Frederick B. 2MP Pearsall, William E. 2MQ Weber, Ernest A. 2MR Atwater, Frank G., jr. 2MS Berri, Herbert. 2MT Leeb, Henry L. 2MU Hengerer, Howard B. 2MW Pall, Arthur E. 2MW Crichton, Arthur M. 2MX Heffernan, William J. 2MY Morris, Robert. 2NA Adickes, Ernest D. 2NB Le Gallez, Clayton B. 2NC Schmid, Paul. 2ND Schweizer, Charles L. 2NE Westerhoff, Peter, jr. 2NF Homan, Eber J. 2NK Palm, J. Adam. 2NL Burnett, Walter J. 2NN Burck, David E. 2NN Burck, David E. 2NN Burck, David E. 2NN Wohltmann, Henry M. 2NN Moffman, Paul J. 2NT Reyl, George F. 2NQ Welter, George C. 2NX Mehrbrey, William B. 2NY Meder, George C. 2NX Mehrbrey, William B. 2NZ Pfeil, A. Leslie. 2OA Hammond, Lester. 2OA Hammond, Lester. 2OB Fox, Loyal S. 2OC Erasmue Hall High School. 2OD Debuchy, Edmund A. 2OK Stanton, Walter. 2OJ Tong, Myron A. 2OW Sibert, Walter C. 2OV Siebert, Walter C. 2OV Siebert, Walter C. 2OV Schwert, Walter C. 2OV Sardter, Littlefield, Charles E. 2OX Mardon, F. Herbert. 2DT Jones, Frank. 2DH Lagh, F. Herbert. 2DT Jones, Frank. 2PP Barriette, Samuel L. 2PP Erchet, Vincent J. 2PP Erchet, Vincent J. 2PP Erchet, Vincent J. 2PP Erchet, Vincent J. 2PP Erchet, Villiam J. 2PP Erchet, Villiam J. 2PP Erchet, Villiam J. 2PP Erchet, Villiam J. 2PP Erchet, Villiam J. 2PP Erchet, Villiam J. 2PP Erchet, Villiam J. 2PP Erchet, Villiam J. 2PP Erchet, Villiam J. 2PP Erchet, Valter C. 2PA Carman, Newton I. 2PP Erchet, Valter C. 2PP Exchence J. 2PP Exche				Cohen. Walter.
2MN Carrougher, Vivian A. 2MO Ostman, Frederick B. 2MP Pearsall, William E. 2OX 2OX 2OX 2OX 2DX 2MR Atwater, Frank G., jr. 2DX 2DX 2DX 2DX 2DX 2DX 2DX 2DX 2DX 2DX		Quinby, E. J.		Urbain, Ferdinand A
2MN Carrougher, Vivian A. 2MO Ostman, Frederick B. 2MP Pearsall, William E. 2OX 2OX 2OX 2OX 2DX 2MR Atwater, Frank G., jr. 2DX 2DX 2DX 2DX 2DX 2DX 2DX 2DX 2DX 2DX		Appar, Charles E.		Siebert, Walter.
2MO 2MP Pearsall, William E. 2MV 2MR Atwater, Frank G., jr. 2MS 2MT Leeb, Henry L. 2MU Lengerer, Howard B. 2MV 2MX 2MY 2MY 2MY 2MY 2MY Crichton, Arthur M. 2MX 2MY 2MY 2MY Morris, Robert. 2NA 2NA 2NB 2NC 2NA 2NB 2NC 2NC 2NC 2NC 2NC 2NC 2NC 2NC 2NC 2NC		Carrougher, Vivian A.		Littlefield, Charles E.
2MQ Weber, Ernest A. 2MR Atwater, Frank G., jr. 2MS Berri, Herbert. 2MU Hengerer, Howard B. 2MU Crichton, Arthur M. 2MX Heffernan, William J. 2MY Morris, Robert. 2NA Adickes, Ernest D. 2NB Le Gallez, Clayton B. 2NC Schmid, Paul. 2NF Homan, Eber J. 2NF Homan, Eber J. 2NH Horn, Charles L. 2NNE Westerhoff, Peter, jr. 2NNI Burnett, Walter J. 2NN Burck, David E. 2NN Burck, David E. 2NN Wohltmann, Henry M. 2NN Burk, David E. 2NN Wohltmann, Henry M. 2NN Borg, Watkin W. 2NN Hoffman, Paul J. 2NN Borg, Wohltmann, Henry M. 2NN Hoffman, Paul J. 2NN Austrian, Ralph B. 2PF Grebe, Alfred H. 2PM Hamilton, Albert G., jr. 2PY Gogardus, Henry L. 2PN Blackford, Harold W. 2PN Lally, Joseph F. 2PV Lally, Joseph F. 2PV Lally, Joseph F. 2PV Grebe, Alfred H. 2PN Hamilton, Albert G., jr. 2PY Shaw, Horace S. 2PN Blackford, Harold W. 2PS Golfebe, Alfred H. 2PN Brank A. 2PN Blackford, Harold W. 2PS Golfebe, Alfred H. 2PN Brank A. 2PN Blackford, Harold W. 2PS Golfebe, Alfred H. 2PN Brank A. 2PN Blackford, Harold W. 2PS Golfebe, Alfred H. 2PN Brank A. 2PN Blackford, Harold W. 2PS Golfebe, Alfred H. 2PN Brank A. 2PN Blackford, Harold W. 2PO Brank A. 2PN Blackford, Harold W. 2PO Brank A. 2PN Blackford, Harold W. 2PO Brank A. 2PN Blackford, Harold W. 2PO Brank A. 2PN Blackford, Harold W. 2PO Brank A. 2PN Blackford, Harold W. 2PN Brank A. 2PN Blackford, Harold W. 2PN Blackford, Harold W. 2PN Brank A.	Ostman, Frederick B.		Rextrew. Walter C.	
2MQ Weber, Ernest A. 2MR Atwater, Frank G., jr. 2MS Berri, Herbert. 2MU Hengerer, Howard B. 2MU Crichton, Arthur M. 2MX Heffernan, William J. 2MY Morris, Robert. 2NA Adickes, Ernest D. 2NB Le Gallez, Clayton B. 2NC Schmid, Paul. 2NF Homan, Eber J. 2NF Homan, Eber J. 2NH Horn, Charles L. 2NNE Westerhoff, Peter, jr. 2NNI Burnett, Walter J. 2NN Burck, David E. 2NN Burck, David E. 2NN Wohltmann, Henry M. 2NN Burk, David E. 2NN Wohltmann, Henry M. 2NN Borg, Watkin W. 2NN Hoffman, Paul J. 2NN Borg, Wohltmann, Henry M. 2NN Hoffman, Paul J. 2NN Austrian, Ralph B. 2PF Grebe, Alfred H. 2PM Hamilton, Albert G., jr. 2PY Gogardus, Henry L. 2PN Blackford, Harold W. 2PN Lally, Joseph F. 2PV Lally, Joseph F. 2PV Lally, Joseph F. 2PV Grebe, Alfred H. 2PN Hamilton, Albert G., jr. 2PY Shaw, Horace S. 2PN Blackford, Harold W. 2PS Golfebe, Alfred H. 2PN Brank A. 2PN Blackford, Harold W. 2PS Golfebe, Alfred H. 2PN Brank A. 2PN Blackford, Harold W. 2PS Golfebe, Alfred H. 2PN Brank A. 2PN Blackford, Harold W. 2PS Golfebe, Alfred H. 2PN Brank A. 2PN Blackford, Harold W. 2PS Golfebe, Alfred H. 2PN Brank A. 2PN Blackford, Harold W. 2PO Brank A. 2PN Blackford, Harold W. 2PO Brank A. 2PN Blackford, Harold W. 2PO Brank A. 2PN Blackford, Harold W. 2PO Brank A. 2PN Blackford, Harold W. 2PO Brank A. 2PN Blackford, Harold W. 2PN Brank A. 2PN Blackford, Harold W. 2PN Blackford, Harold W. 2PN Brank A.	Pearsall, William E.		Mardon, F. Herbert.	
2MR 2MS 2MS 2MS 2MS 2MT 2MU 2MU 2MU 2MW 2MX 2MY 2MS 2MS 2MS 2MS 2MS 2MS 2MS 2MS 2MS 2MS				Jones, Frank.
2MS 2MT Leeb, Henry L. Leeb, Henry L. Leeb, Henry L. Leeb, Henry L. Hengerer, Howard B. Bell, Arthur E. 2PD Barriette, Samuel L. 2PD Barriette, Samuel L. 2PD Schomp, Roy. 2PD Schomp, Roy. 2PG S				
2MT Leeb, Henry L. 2MU Hengerer, Howard B. 2MV Bell, Arthur E. 2MW Crichton, Arthur M. 2MX Heffernan, William J. 2MY Morris, Robert. 2PB Schomp, Roy. 2PC Schomp, Roy. 2PF Fritch, Vincent J. 2PG Eckstein, William J. 2PJ Homes, Alorzo E., jr. 2PG Oction, G. C. 2PI Cotten, G. C. 2PI Schomp, Roy. 2PG Eckstein, William J. 2PT Eckstein, William J. 2PT Eckstein, William J. 2PT Eckstein, William J. 2PT Eckstein, William J. 2PT Eckstein, William J. 2PT Eckstein, William J. 2PT Eckstein, William J. 2PT Eckstein, William J. 2PT Eckstein, William J. 2PT Eckstein, William J. 2PT Eckstein, William J. 2PT Eckstein, William J. 2PT Eckstein, William J. 2PT Eckstein, William J. 2PT Eckstein, William J. 2PT Eckstein, William J. 2PT Monas, Alonzo E., jr. Otten, G. C. 2PD Mott, Harold. 2PT Mott, Harold. 2PT Mott, Harold. 2PT Mott, Harold. 2PT Mott, Harold. 2PT Eckstein, William J. 2PT Eckstein, William J. 2PT Mott, Harold. 2PT Eckstein, William J. 2PT Eckstein, Milard. 2PT Eckstein, William J. 2PT Eckstein, William J. 2PT E		Berri, Herbert.		,
2MU Bell, Arthur E. 2PB Barriette, Samuel L. Schomp, Roy. Fritch, Vincent J. 2PF Fritch, Vincent J. 2PF Fritch, Vincent J. 2PF Schmid, Paul. 2PF Blackburn, Godfrey C. 2PF Schmid, Paul. 2PJ Blackburn, Godfrey C. 2PI Lindsay, Daniel E. 2PI Greb, Alfard. Manvell, Edwin H.	Leeb, Henry L.	2PA	Carman, Newton I.	
2MV Bell Arthur E. 2MY Heffernan, William J. 2MX Heffernan, William J. 2MY Morris, Robert. 2PF Fritch, Vincent J. 2PF For, Loyal S. 2PI Laslacburn, Godfrey C. Evans, Clarence L. 2PL Lindsay, Daniel E. 2PM Mott, Harold. 3PP Mott, Harold. 3PP Mott, Harold. 3PP Mott, Harold. 3PP Monsen, Hans S. 3PP Mott, Harold. 3PP Monsen, Hans S. 3PP Voten, G. C. 3PP Mott, Harold. 3PP Monsen, Hans S. 3PP Voten, G. C. 3PP Mott, Harold. 3PP Monsen, Hans S. 3PP Voten, G. C. 3PP Mott, Harold. 3PP Monsen, Hans S. 3PP Voten, G. C. 3PP Mott, Harold. 3PP Cohen, Samuel. 3PP Cohen, Samuel. 3PP Cohen, Samuel. 3PP Cohen, Samuel. 3PP Mott, Harold. 3PP			2PB	
2MW Heffernan, William J. 2MY Morris, Robert. 2MS Heffernan, William J. 2MS Morris, Robert. 2NA Adickes, Ernest D. 2NB Le Gallez, Clayton B. 2NC Schmid, Paul. 2ND Schweizer, Charles L. 2NE Westerhoff, Peter, jr. 2NF Homan, Eber J. 2NH Horn, Charles W. 2NI Moles, Charles E. 2NK Palm, J. Adam. 2NL Burnett, Walter J. 2NN Burnett, Walter J. 2NN Burnett, Walter J. 2NN Burnett, Walter J. 2NN Burk, David E. 2NN Wohltmann, Henry M. 2NN Hoffman, Paul J. 2NR Wohltmann, Henry M. 2NN Meder, George F. 2NU Berglund, Edward A. 2NV Meder, George C. 2NX Mehrbrey, William. 2NY Austrian, Ralph B. 2NZ Pfeil, A. Leslie. 2NA Hammond, Lester. 2OB Fox, Loyal S. 2OC Erasmus Hall High School. 2OD Debuchy, Edmund A. 2OE Walker, Raymond L. 2OF Meinecke, Ernest. 2OG Cockaday, Lewrence M. 2OH Lang, Ernest. 2OG Tong, Myron A. 2OK Stanton, Walter. 2OK Stanton, Walter. 2OK Maher, Frank A. 2QR Robertson, William J. 2PF pritch, Vincent J. 2PF pritch, Vincent J. 2PF pritch, Vincent J. 2PF pritch, Vincent J. 2PF pritch, Vincent J. 2PF pritch, Vincent J. 2PH Backburn, Godfrey C. Evans, Clarence L. 2PL Lindsay, Daniel E. Sellars, Millard. 2PP Mont, Harold. Manvell, Edwin H. Mancy, Legwin H. Mott, Harold. Manvell, Edwin H. Maner, LeyPu Manuel, Legvin H. Motten, G.C Lindsay, Daniel E. 2PV Berger, H. C. V. B. Mott, Harold. Manvell, Edwin H. Mancy, Legene. Cohen, Samuel. 2PY Traver, William F. 2PV Grebe, Alfred H. 2PV Bogardus, Henry L. 2PY Bogardus, Henry L. 2QD Kinney, E. 2QC Erasmus Hall High School. 2QD Kinney, E. 2QC Erasmus Hall High School. 2QD Wimpfheimer, Gustave I Eckley, Harold J. 2QL Eckley, Harold J. 2QL Externet B. 2QU Ward, John R. 2QR Robertson, William L.				Barriette, Samuel L.
2MX Morris, Robert. 2MY Morris, Robert. 2PF				Schomp, Roy.
2MY Morris, Robert. 2NA Adickes, Ernest D. 2NB Le Gallez, Clayton B. 2NC Schmid, Paul. 2ND Schweizer, Charles L. 2NE Westerhoff, Peter, jr. 2NF Homan, Eber J. 2NH Horn, Charles W. 2NI Moles, Charles E. 2NK Palm, J. Adam. 2NL Sharp, Watkin W. 2NN Burnett, Walter J. 2NN Burnett, Walter J. 2NN Burnett, Walter J. 2NN Buck, David E. 2NN Merritt, Frank. 2NP Koenig, George F. 2NQ Isaacson, Charles B. 2NN Wohltmann, Henry M. 2NN Hoffman, Paul J. 2NT Reyl, George. 2NX Mehrbrey, William. 2NY Meder, George C. 2NX Mehrbrey, William. 2NY Meder, George C. 2NX Mehrbrey, William. 2NY Meder, George C. 2NX Mehrbrey, William. 2ND Ffeil, A. Leslie. 2OA Hammond, Lester. 2OB Fox, Loyal S. 2OC Erasmus Hall High School. 2OD Debuchy, Edmund A. 2OE Walker, Raymond L. 2OG Cockaday, Lwwrence M. 2OG Cockaday, Lwwrence M. 2OH Lang, Ernest. 2OG Cockaday, Lwwrence M. 2OH Lang, Ernest. 2OK Stanton, Walter. 2OK Stanton, Walter. 2OK Maher, Frank A. 2QR Maher, Frank A. 2QR Ward, John R. 2QR Robertson, William L.				Fritch, Vincent J.
2NA Adickes, Ernest D. 2NB Le Gallez, Clayton B. 2NC Schmid, Paul. 2ND Schweizer, Charles L. 2NF Homan, Eber J. 2NH Horn, Charles W. 2NI Moles, Charles E. 2NN Burnett, Walter J. 2NN Burnett, Walter J. 2NN Buck, David E. 2NN Buck, David E. 2NN Wohltmann, Henry M. 2NN Hoffman, Paul J. 2NN Hoffman, Paul J. 2NN Berglund, Edward A. 2NV Meder, George C. 2NN Mehrbrey, William. 2NN Mehrbrey, William. 2NN Austrian, Ralph B. 2NO Erasmus Hall High School. 2OD Debuchy, Edmund A. 2OE Walker, Raymond L. 2OG Cockaday, Lewrence M. 2OG Cockaday, Lewrence M. 2OG Tolke, Leelie E. 2OJ Tong, Myron A. 2OK Stanton, Walter. 2OM Maher, Frank A. 2NY Maher, Frank A. 2NG Maher, Frank A. 2NG Maher, Frank A. 2NG Maher, Frank A. 2NG Maher, Frank A. 2NG Maher, Frank A. 2NG Maher, Frank A. 2NG Maher, Frank A. 2PH Blackburn, Godfrey C. 2PH Cavans, Clarence L. 2PH Cavans, Clarence L. 2PH Blackburn, Godfrey C. 2PK Cited, Sellars, Milland. 2PP Mott, Harold Manvell, Edwin H. Monsen, Hans S. Dynner, Eugene. Cohen, Samuel. 2PY Lally, Joseph F. 2PU Lally, Joseph F. 2PV Lally, Joseph F. 2PV Sellars, Milard. 2PP Mott, Harold Manvell, Edwin H. Monsen, Hans S. 2PT Taver, William J. 2PY Seph Mot, Harold Manvell, Edwin H. Monsen, Hans S. 2PT Taver, William J. 2PY Seph Alfred H. 2PW Sellars, Milard. 2PP Methrolder Sellars, Milard. 2PP Mott, Harold Manvell, Edwin H. Monsen, Hans S. 2PT Taver, William J. 2PY Seph Alfred H. 2PW Sellars, Milard. 2PR Sellars, Milard. 2PP Methrolder Sellars, Milard. 2PH Devans, Clarenc				Pope, Frederick B.
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2NB Le Gallez, Clayton B. 2NC Schmid, Paul. 2NE Schweizer, Charles L. 2NE Westerhoff, Peter, jr. 2NF Homan, Eber J. 2NI Horn, Charles W. 2NI Moles, Charles E. 2NK Palm, J. Adam. 2NL Burnett, Walter J. 2NN Sharp, Watkin W. 2NN Buck, David E. 2NN Merritt, Frank. 2NP Koenig, George F. 2NQ Issacson, Charles B. 2NR Wohltmann, Henry M. 2NS Hoffman, Paul J. 2NT Reyl, George C. 2NV Meder, George C. 2NV Mehrbrey, William. 2NY Austrian, Ralph B. 2NZ Pfeil, A. Leelie. 2OA Hammond, Lester. 2OB Fox, Loyal S. 2OC Erasmus Hall High School. 2OD Debuchy, Edmund A. 2OE Walker, Raymond L. 2OF Meinecke, Ernest. 2OG Cockaday, Lewrence M. 2OH Lang, Ernest. 2OG Tong, Myron A. 2OK Stanton, Walter. 2OK Stanton, Walter. 2OM Maher, Frank A. 2PZ Lindsay, Daniel E. 2PK Sellars, Millard. 2PP Monte, H. C. V. B. Mott, Harold. Manvell, Edwin H. Monsen, Hans S. 2PR Sellars, Millard. 2PP Monsen, Harold. 2PR Sellars, Millard. 2PP Monsen, Harold. 2	ONT 4	Addabas Romand D		
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2NE Schweizer, Charles L. Westerhoff, Peter, jr. Homan, Eber J. Horn, Charles W. Moles, Charles E. Palm, J. Adam. Burnett, Walter J. Sharp, Watkin W. Buck, David E. 2PN Buck, David E. 2PN Buck, David E. 2PT Traver, William F. 2NP Koenig, George F. Isaacson, Charles B. Wohltmann, Henry M. Hoffman, Paul J. Reyl, George. Berglund, Edward A. 2NY Meder, George C. Mehrbrey, William. Austrian, Ralph B. Pfeil, A. Leslie. 2PZ Manvell Wantey L. Shaw, Horace S. 2PZ Hamilton, Albert G., jr. 2PZ Bogardus, Henry L. Shaw, Horace S. 2P		Schmid, Faul.	2PK	Otten, G. C
2NF 2NH 2NH Horn, Charles W. Moles, Charles E. Palm, J. Adam. 2NL Sharp, Watkin W. 2NN Buck, David E. 2NP 2NR 2NR 2NR 2NR 2NR 2NR 2NR 2NR 2NR 2NR		Westerhoff Dates in	2PL	Lindsay, Daniel E.
2NH 2NI 2NI 2NK 2NK 2NK 2NK 2NK 2NK 2NK 2NK 2NL 2NM 3Durnett, Walter J. 2NN 2NN 2NN 2NN 2NN 2NN 2NN 2NN 2NN 2N		Westernon, Feter, jr.	2PM	Sellars, Millard.
2NI			2PN	Berger, H. C. V. B.
2NK 2NK 2NL 2NM Burnett, Walter J. 2NN Buck, David E. 2NO Merritt, Frank. 2NP 2NR 2NR 2NR 2NR 2NR 2NR 2NR 2NR 2NR 2NR		Moles Charles W.		Mott, Harold.
2NL Sharp, Watkin W. Buck, David E. 2PR Sharp, Watkin W. Buck, David E. 2PS Cohen, Samuel. Traver, William F. 2NP Koenig, George F. 2PV Issacson, Charles B. 2PV Issacson, Chen, Samuel. Traver, William F. 2PV Issacson, Walter J. 2PV Issacson, Walter J. 2PV Issacson, Foebe, Alfred H. 2PW Immins, Walter J. 2PV Issacson, Foebe, Alfred H. 2PW Immins, Walter J. 2PV Issacson, Foebe, Alfred H. 2PW Issacson, Foe		Polm I Adom	2PP	Manvell, Edwin H.
2NM 2NN 2NN 2NO Merritt, Frank. 2NP 2NR 2NR 2NR 2NR 2NR 2NR 2NR 2NR 2NR 2NR			2PQ	Monsen, Hans S.
2NO 2NP 2NQ 2NR 2NR 2NR 2NR 2NR 2NR 2NR 2NR 2NR 2NR		Sharn Watkin W		Dynner, Eugene.
2NO 2NP 2NQ 2NR 2NR 2NR 2NR 2NR 2NR 2NR 2NR 2NR 2NR		Buck David E		Cohen, Samuel.
2NP Koenig, George F. 2PV Isaacson, Charles B. 2PV 2PX Wohltmann, Henry M. 4Hoffman, Paul J. 2PY 2PX		Merritt Frank		Traver, william F.
2NQ 2NR Wohltmann, Henry M. Hoffman, Paul J. Reyl, George. 2NV Berglund, Edward A. Meder, George C. 2NX Austrian, Ralph B. Pfeil, A. Leslie. 2QF Rischer, Hans. 2QG Gale, Rowland A. 2OV Erasmus Hall High School. 2OE Walker, Raymond L. 2OE Walker, Raymond L. 2OE Cockaday, Lewrence M. 2OH Lang, Ernest. 2OI Folks, Leslie E. 2OJ Tong, Myron A. 2OK Stanton, Walter. 2OM Maher, Frank A. 2OK Robertson, William L. 2OR Robertson, William L. 2OR Walker, Raurence J. 2OR Robertson, William L. 2OR Robertson, William L.				
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2NU Meder, George C. 2NX Mehrbrey, William. 2NY Austrian, Ralph B. 2NZ Pfeil, A. Leslie. 2QE Mannley, Lee L. 2QE Mannley, Lee L. 2QE Mannley, Lee L. 2QE Mannley, Lee L. 2QE Mannley, Lee L. 2QE Mannley, Lee L. 2QE Mannley, Lee L. 2QE Mannley, Lee L. 2QE Meinecke, Ernest. 2QE Meinecke Meinecke Meinecke Meinecke, Ernest. 2QE Wimpfheimer, Gustave I 2Q				
2NV 2NX Mehrbrey, William. Austrian, Ralph B. Pfeil, A. Leslie. 2QA Blackford, Harold W. Ford, Fullerton. King, Wendell W. Manley, Lee L. 2QF Ritscher, Hans. 2QG Gale, Rowland A. 2QG Gale, Rowland A. 2QI Walker, Raymond L. 2QG Walker, Raymond L. 2QG Cockaday, Lswrence M. 2QH Lang, Ernest. 2QH Lang, Ernest. 2QI Folks, Leslie E. 2QI Tong, Myron A. 2QK Stanton, Walter. 2QM Maher, Frank A. 2QR Kinney, E. M. 2QB Blackford, Harold W. Ford, Fullerton. King, Wendell W. Manley, Lee L. 2QG Gale, Rowland A. 2QH Wimpfheimer, Gustave I 2QK Caskey, Kenneth B. 2QK Caskey, Kenneth B. 2QN Walkl, James L. 2QP Ward, John R. 2QP Ward, John R. 2QR Green, Irving W. Robertson, William L.			2PZ	Shaw, Horace S.
2NX 2NY Austrian, Ralph B. 2NZ Pfeil, A. Leslie. 2QB 2QC 2QD 2QD 2QD 2QD 2QD 2QD 2QD 2QD 2QD 2QD		Meder, George C.	00.4	7: P W
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20A Hammond, Lester. 20B Fox, Loyal S. 20C Erasmus Hall High School. 20E Walker, Raymond L. 20F Meinecke, Ernest. 20G Cockaday, Lewrence M. 20H Lang, Ernest. 20I Folks, Leslie E. 20J Tong, Myron A. 20K Stanton, Walter. 20M Maher, Frank A. 20D Manley, Lee L. 20G Gale, Rowland A. 20H Davies, Richard J., jr. 20J Wimpfheimer, Gustave I Eckley, Harold J. 20K Stanton, Walter. 20D Walsh, James L. 20D Ward, John R. 20D Ward, John R. 20D Green, Irving W. 20D Rischer, William L.		Austrian, Ralph B.		
2QA Hammond, Lester. 2OB Fox, Loyal S. 2OC Erasmus Hall High School. 2OE Walker, Raymond L. 2OF Meinecke, Ernest. 2OG Cockaday, Lewrence M. 2OH Lang, Ernest. 2OH Lang, Ernest. 2OJ Tong, Myron A. 2OJ Tong, Myron A. 2OK Stanton, Walter. 2OK Stanton, Walter. 2OK Cockaday, Lewrence M. 2QL Rabi, Isidor. 2QM Koukol, Edwin P. 2QN Walsh, James L. 2QP Ward, John R. 2QP Ward, John R. 2QP Green, Irving W. 2QM Robertson, William L.		Pfeil, A. Leslie.	2QC	Ford, Fullerton.
20A Hammond, Lester. 20B Fox, Loyal S. 20C Erasmus Hall High School. 20D Debuchy, Edmund A. 20E Walker, Raymond L. 20F Meinecke, Ernest. 20G Cockaday, Lewrence M. 20H Lang, Ernest. 20I Folks, Leslie E. 20J Tong, Myron A. 20K Stanton, Walter. 20M Maher, Frank A. 20F Ritscher, Hans. 20G Gale, Rowland A. 20G Wimpfheimer, Gustave I 20J Eckley, Harold J. 20K Stanton, Edwin P. 20D Walsh, James L. 20G Ward, John R. 20G Green, Irving W. 20G Robertson, William L.		'	2QD	King, wenden w.
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2OC Erasmus Hall High School. 2OD Debuchy, Edmund A. 2OE Walker, Raymond L. 2OF Meinecke, Ernest. 2OG Cockaday, Lewrence M. 2OH Lang, Ernest. 2OI Folks, Leslie E. 2OJ Tong, Myron A. 2OK Stanton, Walter. 2OL O'Brien, Laurence J. 2OM Maher, Frank A. 2OH Davies, Richard J., jr. Wimpfheimer, Gustave I 2QJ Eckley, Harold J. 2QK Caskey, Kenneth B. 2QL Rabi, Isidor. Koukol, Edwin P. 2QN Walsh, James L. 2QP Ward, John R. 2QP Green, Irving W. 2QR Robertson, William L.			201	
2OD Debuchy, Edmund A. 2OE Walker, Raymond L. 2OF Meinecke, Ernest. 2OG Cockaday, Lewrence M. 2OH Lang, Ernest. 2OI Folks, Leslie E. 2OJ Tong, Myron A. 2OK Stanton, Walter. 2OK O'Brien, Laurence J. 2OM Maher, Frank A. 2OI Wimpfheimer, Gustave I 2QJ Caskey, Harold J. 2QK Caskey, Kenneth B. 2QK Caskey, Kenneth B. 2QK Robi, Isidor. 2QM Koukol, Edwin P. 2QN Walsh, James L. 2QP Ward, John R. 2QQ Green, Irving W. 2QR Robertson, William L.			200	Davies Dishard I in
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2OF Meinecke, Ernest. 2OG Cockaday, Lewrence M. 2OH Lang, Ernest. 2OI Folks, Leslie E. 2OJ Tong, Myron A. 2OK Stanton, Walter. 2OL O'Brien, Laurence J. 2OM Maher, Frank A. 2QK Caskey, Kenneth B. 2QL Rabi, Isidor. Roukol, Edwin P. 2QN Dwyer, Martin J., jr. 2QO Ward, John R. 2QP Ward, John R. 2QQ Green, Irving W. 2QR Robertson, William L.		Weller Dermond I		
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2OH Lang, Ernest. 2OI Folks, Leslie E. 2OJ Tong, Myron A. 2OK Stanton, Walter. 2OL O'Brien, Laurence J. 2OM Maher, Frank A. 2QM Koukol, Edwin P. 2QN Dwyer, Martin J., jr. 2QO Walsh, James L. 2QO Green, Irving W. 2QM Robertson, William L.		Cookeder Immones M	201	Dabi Tridor
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2OJ Tong, Myron A. 2OK Stanton, Walter. 2OL O'Brien, Laurence J. 2OM Maher, Frank A. 2QO Walsh, James L. 2QP Ward, John R. 2QQ Green, Irving W. 2QR Robertson, William L.		Folks Leslie F		Dwyge Mostin T
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2OL O'Brien, Laurence J. 2QQ Green, Irving W. 2OM Maher, Frank A. 2QR Robertson, William L.		Stanton Walter		Ward John R
20M Maher, Frank A. 2QR Robertson, William L.		O'Rrian Laurence I	200	Green Insing W
20N Kellow, James C. 20S Bernard, James L.			1 20 2	Robertson William I
ACAL LANGUM, FRANCO C. II AMD I DOLLARIU, FAIRIOS IA.			208	
200 Zimmermann, Edwin W. 2QT Hynds, Arthur E.				

Amateur Radio Stations—Second District—Alphabetically by Call Signals—Continued.

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Call signal.	Owner of station.	Call signal.	Owner of station.
2QU	Osborne, J. Spencer.	2TA	Stricker, Fred W.
2QV	Smith, Edgar T.	2TB	Ford, Everett J.
2QW	Birkmire, Harold.	2TC	Dickenson, Henry E.
2QX	Keller, George C.	2TD	Mayer, Arthur C.
2QX 2QY	Jacobsen, Walter H.	2TE	Bentzig, Victor H.
2QZ	Meyer, Charles A.	2TF	Pearson, James W.
		2TG	Balfoort, John M.
2RA	Hollman, Theodore.	2TH	Roy, James A. S.
2RB	Reuman, William H.	2TI	Mitchell, Everitt.
2RC	Watson, Edmund A.	2 TJ	White, Howard E.
2RD	Carey, Stephen W., 3d.	2TK 2TL	Randolph, Randolph A.
2RE	Pacent, L. Gerard.	2TM	de Forest, Edward L., jr. Collymore, Errold D.
2RF	Springer, C. Meredith.	2TN	Dunham, Clarence L.
2RG	Earle, William P., jr.	2TO	Benzing, Jacob.
2RH	Reiss, Lester.	2TP	Bohn, William.
2RI	Cowper, Norman C.	2TQ	Adams, E. William, jr.
2RJ	Porter, Charles A.	2TŘ	Roche, Walter J.
2RK	Horle, Lawrence C. F.	2TS	Carpenter, Ferris G.
2RL	Camp, Victor F.	2TT	Pattison, Edward H.
2RM	Underhill, Chester R.	∥ 2 T U	Lee, Robert J. B.
2RN 2RO	Tucker, George C. Dodds, Andrew C.	2TV	Glenn, George.
2RP	Sorgens, Walter M.	2 <u>TW</u>	Knight, Alexander H.
2RQ	McKinney, Donald B.	2TX	Robbins, Walter G.
2RŘ	Johnson, John A.	2TY	Pendleton, Archibald F.
2RS	Reymann, Albert E.	2TZ	Collins, Frank J.
2RT	Collinson, Jesse G.	ATTA	Mann Gamus
2RU	Jordon, Fletcher.	2UA	Mann, Samuel.
2RV	Johnson, W. Eugene.	2UB 2UC	Emory, John M. G. Lange, William.
2RW	Baily, Hobart W.	2UD	Brainard, Edward S.
2RX	Picken, James C., jr.	2UE	Hoyt, William L.
2RY	Slocilo, Stephen J.	2UF	Evans, Arthur F.
2RZ	Veneman, Peter.	2UG	Bonduaux, Eugene L.
		2UH	Boys' Wireless Club of Hacken
2SA	Lowitz, Donald J.		sack High School.
28B	Sangree, Ernest M.	2UI	Williams, Arthur D.
28C	Constant, S. Victor.	2UJ	Innes, Richard C.
28D	Copersito, Michael.	2UK	Biggam, Henry C.
28E	Van Duzer, Charles P.	2UL	Baker, Alvah L.
2SF	Kollock, Alan S.	2UM	Poling, Russell H.
28G	May, Fred.	2UN	Graham, Malcolm.
28 H	McQuaide, James P.	2UO	Heyer, Benjamin W.
28I 28 J	Le Quesne, C. A., jr.	2UP 2UQ	Gannon, J. Kimball.
28K	Rodriguez, Joseph, jr.	2UR	Hallett, E. Douglas. Arany, Leo.
2SL	Murray, Charles. Merrill, J. Stewart.	2US	Allstrom, F. Condit.
2SM	Hatry, William B.	2UT	Dick, Benjamin S.
2SN	Barnes, C. Everett.	∥ ŽŬŪ	Vanderbilt, Clinton B.
280	Johnston, James E.	2UV	Dimmick, James N.
2SP	Bleilevens, Gerhardt.	2ŬW	Stevens, Herbert H.
28Q	Kreeft, Raymond A.	2UX	Phelan, Charles W.
2SR	Greenlees, William.	2UY	Schwartz, Abraham H.
288	Fitler, Eugene B., jr.	2UZ	Stewart, G. Edwin.
2ST	Udell, Carlton G.		
2SU	Schabbehar, Edwin A.	2VA	Huested, William P.
28V	Clarke, Frederick D.	2VB	Gerlach, Adolph J.
28X	Cannon, George C.	2VC	Johnson, Theophilus, jr.
28Y	De Long, Oscar A., jr. Kissick, Robert G.	2VD	Bruell, Joseph P.
28Z	Kissick, Kodert G.	∥ 2VE	Robertson, Gus.

Amateur Radio Stations—Second District—Alphabetically by Call Signals—Continued.

Callaignal.	Owner of station.	Call signal.	Owner of station.
2VF	Koch, Edward.	2WA	Keers, John K.
2VG	Ahrens, Harry E.	2WB	Fogetti, Howard J.
2VH	Engelder, Eberhardt E.	2WC	Pollock, J. Millard.
2VI	Loub, Arthur F.	2WD	Lasher, Charles E.
2VJ	Furman, Robert S.	2WE	Heydon, Albert R.
2VK	Covert, James D.	2WF	Nolan, Frank J.
2VL	Bond, Arthur M.	2WG	Lemkie, Harry A.
2VM	Brown, Philip T.	2WH	Pearsall, Arthur R.
2VN	Charles, Chester A.	2WI	Anderson, Robert N.
2VO	Scholerman, Carl.	2WJ	Pflomm, George M.
2VP	Bartsch, Henry W.	2WK	Caggiano, Carmine J.
2VQ	Agnoli, Justus J.	2WL	Ryan, Lester F.
2VŘ	Gassaway, Julian L.	2WM	Fowler, Jack B.
2VS	Decker, Kalph W. E.	2WN	Beller, William A. G.
2VT	Kayser, Herbert.	2WO	Barone, Salvatore A.
2VU	Flandreaux, Cyrus.	2WP	Spannaus, Charles O.
2VV	French, Edward.	2WQ	Willets, Gilson V.
2VW	Steinkamp, Harold.	2WŘ	Mayhew, H. Clifford.
2VX	McCarthy, George W.	2WS	Francis, Leo A.
2VY	Diehl, John F.	2WU	Moore, H. Atherton.
2VZ	Frederick, G. Bentley.		,

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.]

Call signal.	Owner of station.	Location of station.	Power.
			Watts.
3PC	Abbott, E. H. B	417 Landis Ave., Vineland, N. J	300
3QK	Adams, Leslie H	828 Landis Ave., Vineland, N. J	990
3CA	Adelberger, Adrian J	W. Wayne Ave., Wayne, Pa	500
3GP	Amig, Edward P	Highland Park, Pa	500
3KE	Allen, Francis II	171 W. Broad St., Burlington, N. J	200
3BM	Allen, George Y	Bernardsville, N. J	312
3BD	Allen, Percival R	Haverford, Pa	250
3IP	Anderson, Albert	313 Chestnut St., Camden, N. J	
3SR	Anderson, John A	612 Cherry St., Camden, N. J	
3TQ	Andrews, Edward C	22d and Morris Sts., Philadelphia, Pa	200
3AX	Arner, Oscar Q	56 V St. NW., Washington, D. C	24
3AA	Ashmore, John W	3408 Hamilton St., Philadelphia, Pa	16
3CN	Ashton, Leon W	106 Washington Ave., Collingswood, N. J.	
3PI	Atlee, Franklin	2039 Pine St., Philadelphia, Pa	18
3JA	August, Earl W	3748 N. Delhi St., Philadelphia, Pa	250
3BU	Austrian, Harry D	122 31st St., Newport News, Va	36
3TU	Bach, Earl C.	413 Cedar St., Allentown, Pa.	42
3NN	Bachert, Homer A	418 Walnut St., South Bethlehem, Pa	18
3BV	Bacon, Franklin F	101 Mansion Ave., Haddonfield, N. J	300
3EN	Bailey, Albert S	31 N. 61st St., Philadelphia, Pa	120
3PL	Ballentine, Charles S	4810 Germantown Ave., Philadelphia, Pa.	
3MX	Barker, Thomas H., jr	Gladwyne, Pa	
3SW	Barnard, Julian W	Bryn Mawr, Pa.	33
3QI	Barnes, Donald K	122 N. 61st St., Philadelphia, Pa	
3MS		1637 N. 6th St., Harrisburg, Pa.	
3KN	Barr, Richard H		44(

AMATEUR RADIO STATIONS—THIRD DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Fower.
			Watts.
3SY	Barretta, Valroy S	518 Elmer St., Vineland, N. J	440
3PE	Bassett, William W	205 Mohawk St., Norwood, Pa	11
3DU	Baumann, Frank J	160 Carson St., Philadelphia, Pa	60
3AJ	Bausman, George H	1228 N. Broadway, Baltimore, Md	78
3SK	Baxley, C. Herbert	1126 W. North Ave., Baltimore, Md 812 Vandever Ave., Wilmington, Del	50
3VM	Baynes, Ralph J	812 Vandever Ave., Wilmington, Del	36
3EM	Beaty, Lehman C	109 East Ave., Hackettstown, N. J	15
3JS	Beekley, Francia C	116 N. Lemon St., Media, Pa	72
3NL	Behm, L. F. F	1519 Poplar Grove St., Baltimore, Md	250
3NI	Bell, Albert A., jr	8 Catalpha Ave., Hamilton, Md	550
3JQ	Benson, Thomas W	252 W. Indiana Ave., Philadelphia, Pa	48
3DČ	Bergen, Donald M	920 Riverside Ave., Trenton, N. J	510
3 J J	Bergmann, Frederick J	1310 Allegheny Ave., Philadelphia, Pa	18
3PJ	Berman, Harry	315 Central Ave., Staunton, Va	495
3VL	Bernstein, Abe R	621 Queen St., Norfolk, Va	385
3MO	Bickel, E. Clifton	758 High St., Pottstown, Pa	550
3CC	Biddle, Howard L., jr	319 Hillside Ave., Jenkintown, Pa	12
3NH	Bierfreund, Max A	517 Penn St., Camden, N. J	350
3LQ	Birch, Stanford S	45 Washington Ave., Collingswood, N. J	100
3BP	Blackwood, George C	5346 Wayne Ave., Philadelphia, Pa	120
3FJ	Blair, Perot E	116 W. Lancaster Ave., Ardmore, Pa	36
3SV	Blakeley, George B	517 Seneca St., South Bethlehem, Pa	330
3TV	Blanford, Irving	922 North St., Portsmouth, Va	330
3GF	Blankenship, Elliott E	905 5th St. NW., Washington, D. C	24
3TX	Blessing, Joseph M	208 Vail St., Hackettstown, N. J	10
3GN	Board of Public Educa-	Lehigh Ave. and 8th St., Philadelphia,	490
0011	tion.	Pa.	
3SN	Bourgeois, Edmund R	901 Central Ave., Ocean City, N. J	495
3KH	Bowen, Albert	2437 E. Preston St., Baltimore, Md	12
3TL	Bowes, Joseph J	2647 Agate St., Philadelphia, Pa	18
3RG	Bowman, Philip W	202 E. Montgomery St., Baltimore, Md	10
3BO	Brady, John B	1 C	330
3HJ	Bradley, Horace E	315 V St. NE., Washington, D. C	36
3UZ	Braidwood, Thomas W	Anglesea, N. J.	48
3NZ	Branin, Manlif L	4516 Pacific Ave., Wildwood, N. J	18
3EV	Brannan, Julian L	2632 Guilford Ave., Baltimore, Md	
388	Brany, Emil B	441 Goepp St., Bethlehem, Pa	500
3EA	Brashears, Paul B	Hunter, Va	72
3TP	Brittingham, Otis B	1038 North St., Portsmouth, Va	
3ĴŴ	Broadbelt, J. Edward, jr.	16 Hamilton Ave., Hamilton, Md	18
3JH	Brockman, Francis C	3 N. Main St., Nazareth, Pa	770
3BK	Brown, Merritt M	2417 N. 16th St., Philadelphia, Pa	
30Q	Bryson, Harold E	Laurel Springs N I	330
3BQ	Bugbee, Newton A	Laurel Springs, N. J. 565 Rutherford Ave., Trenton, N. J.	330
3CP	Bunting, George M., jr	315 E. Broad St., Chester, Pa	500
3PV	Bunting, Theodore R	4202 Granby St., Norfolk, Va	440
3JI	Burdette, Aubrey W	Adam St., Rockville, Md	1,000
3NW	Burke, Thomas J	1750 S. Mole St., Philadelphia, Pa	1, 32
3SM	Burnett, A. Elmo	418 N. 23d St., Richmond, Va	
3QB	Butterfield, Harold G	& Burlington St. Rordentown N I	36
3ŬW	Call, J. Richard	6 Burlington St., Bordentown, N. J	275
3UJ	Campbell, James D	214 Wyncote Rd., Jenkintown, Pa	
3CO	Campbell, James S	1700 S. 60th St., Philadelphia, Pa	75
3BW	Campbell, John W	1900 95th St. Philadelphia, Pa	30
3BX	Carpenter, C. E., jr	1209 25th St., Philadelphia, Pa	250
3RT	Carrin Frank D	7417 Sprague St., Philadelphia, Pa	330
	Carvin, Frank D	1234 S. 53d St., Philadelphia, Pa	330
3UH 3KO	Casey, Ellwood R	1918 N. 21st St., Philadelphia, Pa	18
	Chalmers, Edwin L	2112 E. Clay St., Richmond, Va.	36
3ST	Chappell, Ralph R	4114 £, UISV St., RICHMONG, VS	30

Amateur Radio Stations—Third District—Alphabetically by Owners of Stations—Continued.

SBG SRI SUR SMP SII	Clark, Edwin T	1244 Fitzgerald St., Philadelphia, Pa 2510 W. Thompson St., Philadelphia, Pa.	Watts.
3RI 3UR 3MP 3II 3UB	Clough, Thomas A Cohan, William W	2510 W. Thompson St., Philadelphia, Pa.	1 19
3UR 3MP 3II 3UB	Clough, Thomas A Cohan, William W Cohen, Henry	2510 W. Thompson St., Philadelphia, Pa.	
3MP 3II 3UB	Cohan, William W Cohen, Henry		12
3II 3UB	Cohen, Henry	611 Lombard St., Philadelphia, Pa	24
3UB		600 S. 2d St., Philadelphia, Pa	250
	Coin, Thornley M	Chester Pike and Pine St., Philadelphia, Pa.	18
	Colberg, George A	112 E. Baker Ave., Wildwood, N. J 1644 N. Felton St., Philadelphia, Pa 2245 N. 15th St., Philadelphia, Pa	500
3KY	Cole, Jesse James	1644 N. Felton St., Philadelphia, Pa	100
3CL	Coleman, Walter V Collier, Wilbur H	2245 N. 15th St., Philadelphia, Pa	30
3AO	Collier, Wilbur H	820 W. rayette St., Daitimore, Ma	330
30Z	Collins, Benjamin W	513 Ogden Ave., Swarthmore, Pa	550
3FZ	Cooper, James W	709 N. 39th St., Philadelphia, Pa	36
3IJ	Cooper, James W	2043 N. College Ave., Philadelphia, Pa	60
3LR	Cooper, William F	14 Ruby St., Lancaster, Pa	24
3QT	Corderman, Roy C	14 Ruby St., Lancaster, Pa. R. F. D. No. 6, Hagerstown, Md	250
3JZ	Costella, Pietro A	4313 Baltimore Ave., Philadelphia, Pa	40
3PT	Crosper E Clark	Haverford, Pa	33
3BE	Critchlow, Samuel T	2632 N. 17th St., Philadelphia, Pa	24
3BR	Critchlow, Samuel T Crothers, Harry W	3033 Susquehanna Ave., Philadelphia, Pa.	24
3QJ	Crowley, Robert H Dalling, Howard	23 N. Dewey St., Philadelphia, Pa	30
3NC	Dalling, Howard	2942 High St., Camden, N. J	40
3FB	Darby, George B., jr	1 Bala Ave., Bala, Pa	550
3TM	Davidson, Delmer S	2957 N. 7th St., Philadelphia, Pa	60
3FA	Davis, Edwin L	3812 8th St. NW. Washington, D. C.	490
3VE	Davis, Herbert E	41 Potter St. Haddonfield N. J.	10
3UG	Dearden, Rowland R., 3d.	11th St. and 69th Ave., Philadelphia, Pa.	220
3BI	Deery, Walter J	5928 Pine St., Philadelphia, Pa	250
3QU	Deichman, George L., jr.	Park Heights Ave., Baltimore, Md	330
3FN	Deichmiller, Alvin		24
3FF	Domnston Warren I	1323 S. Carey St., Baltimore, Md	8
3LP	Dempster, Warren J Densham, Harry W	194 Form Ave. Collingerwood N. I	220
3FR	Denstan F Crais	124 Fern Ave., Collingswood, N. J	
	Densten, E. Craig	101 W Coder Ave. Merchentrelle N. I	990 500
3JE	Dickerson, E. Stuart, jr.	2779 W. North Ave., Baltimore, Md 121 W. Cedar Ave., Merchantville, N. J 1631 E. Eager St., Baltimore, Md	
3DJ	Diggins, Edward P. G	Deposit Die Deleisere Md	18
3RD	Dimling, Rudolph G. A.	Bancroft Pk., Baltimore, Md	330
3EZ	Donovan, Edgar R Downes, Marlboro K	301 W. Norris St., Philadelphia, Pa	18
3MA	Downes, Mariboro K	1002 E. Broad St., Richmond, va	40
3LN	Doyle, John E Dudley, De Witt C	1931 N. Uber St., Philadelphia, Pa	990
3FT	Dudley, De Witt C	3916 Market St., Philadelphia, Pa	30
3MD	Dulany, Franklin R	5 W. Wainut Ave., Merchantville, N. J	220
3HP	Duncan, Rodney P	2039 N. College Ave., Philadelphia, Pa	100
3VA	Durham, Wilson N Durkee, Alfred C Duvall, Edward B	316 S. 43d St., Philadelphia, Pa 5052 Ludlow St., Philadelphia, Pa	60
3FS	Durkee, Alfred C	5052 Ludlow St., Philadelphia, Pa	440
3AK	Duvall, Edward B	20 E. Madison St., Baltimore, Md	250
3LC	Eberly, Jacob A., jr Ebert, Burton E	2601 Columbia Ave., Philadelphia, Pa	250
3TF	Ebert, Burton E	194 Atlantic St., Bridgeton, N. J	28
3MU	Eckard, Lewis D	1320 N. Carlisle St., Philadelphia, Pa	1,000
3FV	Edwards, Charles	3345 Ella St., Philadelphia, Pa	120
3FO	Edwards, Charles E. I. du Pont De Ne- mours Powder Co.	10th and Market Sts., Wilmington, Del	448
3IH	Eisele, Edward, ir.	1116 Glenwood St., Philadelphia, Pa	66
3LU	Eisele, Edward. jr Ellis, J. Elton	1116 Glenwood St., Philadelphia, Pa 1929 Hoffman St., Philadelphia, Pa	24
3CR	Ellis, William G	2204 N. 15th St., Philadelphia, Pa	1,000
3AW	Elv Harry S	215 S. Washington St., Baltimore, Md	275
3TJ	Ely, Harry S Emmerson, Frank V	410 High St Portemouth Va	36
	Frickson Alfred O	419 High St., Portsmouth, Va	1 1 1
3KW	Erickson, Alfred O	Maple Shade, N. J	20 405
3LE	Evans, J. Arthur	217 Washington Ave. Haddenfold N. T.	495
3DR 3UL	Eyster, James A Essick, William W., jr.	317 Washington Ave., Haddonfield, N. J 520 Franklin St., Reading, Pa	540 15

AMATEUR RADIO STATIONS—THIRD DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power
			Wette
3MJ	Falconer, Norwood B	1630 Bolton St., Baltimore, Md	6
3HT	Falkenberg, August E	512 Franklin Ter., Baltimore, Md	550
3LM	Faries, Walter R	Llankerris Rd., Bala, Pa	30
3CT	Farnham, Henry A	Llankerris Rd., Bala, Pa	250
3IZ	Faunce, B. Warren	26 Bala Ave., Bala, Pa	30
30T	Faust, Elmer J	728 Hamilton St., Allentown, Pa	300
3TR	Fell, David B	19 Park Ave., Ogontz, Pa	300
3GM	Fellows, J. Howard	5504 Wisconsin Ave., Washington, D. C	2
	Fenimore, Robert S	116 Dorohostor Ave., Washington, Md	2
NO I	Fenton, Edward T	116 Dorchester Ave., Arlington, Md Park Heights Ave., Baltimore, Md	
3RC		10 Durlington Ct Dordontown N T	330
3MG	Ferguson, William	10 Burlington St., Bordentown, N. J	80
3CH	Ferris, Malcolm	3409 Baring St., Philadelphia, Pa	10
3NR	Ferris, Malcolm	Haverford, Pa	154
3PW	Field, Harry P	219 39th St., Norfolk, Va	440
3NM	Finck, Anthony R	1120 Girard St., Philadelphia, Pa	30
3AB	Finck, Anthony R	Port Kennedy, Pa	90
30P	Fink, Louis, 3d	Laurel Springs, N. J	330
3ET	Fisher, Howes N	Laurel, Md	330
3DZ	Fisher, Roy 8	3520 Diseton St., Philadelphia, Pa	1,000
3HO	Fithian, William S., jr	313 E. Commerce St., Bridgeton, N. J	550
3BH	Flather, Bryan S	1358 South Carolina Ave. SE., Washington, D. C.	10
3TK	Flather, Bryan S	Washington, D. C. (portable station)	15
3AL	Flentje, George F., jr	2023 Eastern Ave., Baltimore, Md	l is
3UI	Flotober Edward		120
	Fletcher, Edward	Parksley, Va	
3VX	Flounders, Newton	Media, Pa	60
3DN	France, A. Ward	3544 N. 18th St., Philadelphia, Pa	14
3RE	Frantz, Samuel G	64 Morningside St., Princeton, N. J	13
3GW	Frazier, George R. T	Janvier, N. J.	_30
3JM	Freedom, Leon	Franklin and 14th Sts., Baltimore, Md	500
3V8	French, Edward R., jr	231 9th St. SE., Washington, D. C	10
3EL	Fricke, Henry W. L	801 Aisquith St., Baltimore, Md	1,000
3NB	Frye, Marcus, jr	616 Elmer St., Vineland, N. J.	700
3QH	Fusselman, John	2436 W. Jefferson St., Philadelphia, Pa	18
3AE	Gaffney, James H	1427 E. Hoffman St., Baltimore, Md	_80
3RO	Garver, Edwin H	118 East Ave., Hagerstown, Md	550
3AY	Gaskins, Richard W	931 North St., Portsmouth, Va	300
3CU	Gauss, Harry W	221 5th St. SE., Washington, D. C	32
3VJ	Geibel, Henry J	1243 N. 30th St., Philadelphia, Pa	16
3EC	Giffin, Sidney H	2614 N. Calvert St., Baltimore, Md	200
3UA	Gilbert, Harry P., jr	401 Washington St., Portsmouth, Va	220
3AZ	Gillingham, Geo. L., jr	4508 Richmond St., Bridesburg, Pa 2702 N. Calvert St., Baltimore, Md	440
3AR	Gilpin, Levering H	2702 N. Calvert St., Baltimore, Md	770
3AV	Glashoff, H. Irving	126 N. East Ave., Baltimore, Md	8
3SJ	Glenn, Charles R	1919 Penrose Ave., Baltimore, Md	24
3LO	Godfrey, Clarence M	915 14th St. SE., Washington, D. C	36
3IF	Godfrey, Earle	145 St. Charles Pl., Atlantic City, N. J	550
3NK	Godfrey, Howard L	2150 N. Corlies St., Philadelphia, Pa	30
3FG	Godfrey, James M	49th St. and Florence Ave., Philadelphia,	500
30Y	Gompf, August P	Pa. Howardville, Md	64
31B	Good, Horace D	419 Gordon St., Reading, Pa	24
3KB	Goodall, Alfred B	518 Rhode Island Ave. NE., Washington, D. C.	60
3OL	Grant, Arthur F	2112 Venango St., Philadelphia, Pa	100
3CB	Grant, Ulysses S	28 Church St., Newton, N. J.	90
3ŬO	Graves, Edwin D., jr	Marietta, Pa	330
3KM	Gray, Gerald	Marietta, Pa	21
30E		329 Parker St., Chester, Pa	18
	·,,,	1112 S. Lakewood Ave., Baltimore, Md	iò

Amateur Radio Stations—Thied District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Watts.
3LV	Griffin, Aloysius	706 Pine St., Bristol, Pa	36
3VK	Griffith, Dorsey J	3104 R St. NW., Washington, D. C.	50
3PZ	Griffith, Elmer G	1824 Cayuga St., Philadelphia, Pa	50
30C	Grover, H. Marshall	R. F. D. No. 9, West Chester, Pa	32
3PR	Hahn, Clarence LeRoy	200 N. Pulaski St., Baltimore, Md	12
3QF	Haig, J. Donald	118 F Manle Ave Morehentville N I	20
		118 E. Maple Ave., Merchantville, N. J.	
3Q0	Hake, Elias G	614 Goepp St., Bethlehem, Pa	18
3QV	Hall, Robert S	Clarke's Lane, Arlington, Md	48
3RV	Hamill, McClintock, jr	1822 Spruce St., Philadelphia, Pa	18
3JT	Hampson, George M	731 Newington Ave., Baltimore, Md	100
3JY	Hann, Charles B	206 E. Preston St., Baltimore, Md	250
3HQ	Happold, Harold H	Union Ave., Bala, Pa.	600
3PH	Harris, Edwin R	61 N. 61st St., Philadelphia, Pa	60
3LY	Harris, William J	23d and Howard Sts., Chester, Pa	25
3QW	Harsch, Lawrence P	Mt. Rainier, Md.	480
3FM	Hartley, Milton E	635 E St. NE., Washington, D. C.	18
3ID	Hasenfus, Joseph F	2328 N. Fairhill St., Philadelphia, Pa	75
3TG	Hatch, William B	1926 Corlies St., Philadelphia, Pa	36
3UN	Hayes, William F	Robbins Nest Pa	64
3BN	Heisley, George E	Robbins Nest, Pa	500
3OD		176 Hampton St. Pridgeton N. I.	500
	Hemmann, William C	176 Hampton St., Bridgeton, N. J.	
3BJ	Henderson, Frank	813 Highland Ave., Philadelphia, Pa	275
3RK	Hepler, Walter R	31 E. James St., Lancaster, Pa.	48
3SZ	Herndon, Landon C	409 Middle St., Portsmouth, Va	25
3HM	Hickman, Paul W Hicks, A. Willet, jr	1917 Green St., Philadelphia, Pa	330
3JO	Hicks, A. Willet, jr	1275 S. Madison St., Allentown, Pa	60
3CI	Hillers, John K	238 1st St. SE., Washington, D. C	72
300	Hindin, Louis M	1615 S. 5th St., Philadelphia, Pa	18
3ND	Hirst, Arthur C	Haverford, Pa	400
3MF	Hitchner, Clyde G	405 8th St., Vineland, N. J	32
3JX	Hoagland, Donald	43 Lake St., Bridgeton, N. J.	180
3RU	Hoff, J. Marshall	4909 Knox St. Philadelphia Pa	36
3BT	Hoffman, W. Hollis	4909 Knox St., Philadelphia, Pa Cold Spring, N. J	18
3KK	Hofmann, George A	Engle Ave., Burlington, N. J	60
3AQ	Hogan, Harold O	2630 Guilford Ava Raltimore Md	225
3MN		2630 Guilford Ave., Baltimore, Md 800 White Horse Pike, Oaklyn, N. J	12
	Hollinshead, Norman B.	120 D St. SE. Washington, D. C.	36
3PS	Holt, Clarence J	136 D St. SE., Washington, D. C	
3KT	Holtzinger, Horace K	5th and Spring Garden Sts., Philadelphia, Pa.	9
3SF	Hookey, Anthony C	1727 Girard Ave., Philadelphia, Pa	125
3US	Hopkins, James R	122 32d St., Newport News, Va	600
3GU	Hopkins, Robert E	2428 Nicholas St., Philadelphia, Pa	36
3SC	Hopper, Sterling A	5909 Green St., Philadelphia, Pa	30
3PX	Howard, H. Trumbull.	221 Park Ave., Swarthmore, Pa	50
			100
3UP	Howlett, Joseph T. F	2303 N. Broad St., Philadelphia, Pa.	100
OTTO	Hamlatt Isramb (B. E.	(portable station).	1 000
3UQ	Howlett, Joseph T. F	Mt. Pocono, Pa	1,000
3UF	Howlett, Joseph T. F	2303 N. Broad St., Philadelphia, Pa	330
3CY	Hubbs, Edwin E	145 E. Washington Lane, Philadelphia,	130
3FW	Hunter, Edwin J	Pa. 2429 E. Cumberland St., Philadelphia,	385
3QQ	Husk, Dayton E	Pa. 34 John St., Dorranceton, Pa	425
3 QQ 3 MZ	Husted, Mortimer I	9 Dorchester Rd., Baltimore, Md	40
3FX	Hutchinson, Samuel J.	944 Maple Ave., Collingswood, N. J	440
3SE		210 Carlielo Avo Vork Pa	330
	Hyatt, C. Brown	310 Carlisle Ave., York, Pa	990
3LB	Iddings, Frederick T	1608 Linden Ave., Baltimore, Md	
3CJ	Imfield, Fred H	117 N. 6th St., Philadelphia, Pa	330
3IE	Jacobson, Bernard H	3803 Park Heights Ave., Baltimore, Md.	550
3HW	James, Herman	239 Kaighn Ave., Camden, N. J	15

Amateur Radio Stations—Third District—Alphanetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Watts.
3BL	Jaquett, Maurice J	3156 N. Carliele St., Philadelphia, Pa	18
3RY	Jarvis, Thomas R	508 Cedar Lane, Swarthmore, Pa	40
3CS	Johnson, Burch R	Oak Lane, Pa	330
3IG	Johnson, Earle K	127 North Carolina Ave., South, Atlantic	150
3OG	Jones, John W	City, N. J. 328 Cooper St., Camden, N. J.	30
3NP	Jones, La Frantz	923 French St., Wilmington, Del	24
3GG	Jones, Winters	728 N. Monroe St., Baltimore, Md	12
3TZ	Kellert, Charles	1208 St. Matthew St., Baltimore, Md	24
3CV	Kelley, George W., jr	1738 N. 16th St., Philadelphia, Pa	275
3KC	Kendall, Raymond V	1813 N. Milton Ave., Baltimore, Md	20
30B	Kennedy, Ignatius L	28 S. Market St., Frederick, Md	24
3EP	Kennedy, Joseph H	2052 E. Fletcher St., Philadelphia, Pa.	275
3SH	Kennedy, Joseph H Kenyon, Walter R	2052 E. Fletcher St., Philadelphia, Pa 1838 Columbia Ave., Philadelphia, Pa	511
3OK	Kerr, William C	Frederick Rd., Catonsville, Md	24
3TT	Kindt, Charles F., jr	301 Washington Lane, Jenkintown, Pa	275
3MM	King, Albert	209 St. Mary St., Burlington, N. J	250
3RP	Kirby, Elmer S	5300 Glenmore Ave., Philadelphia, Pa	20
3RH	Kline, H. N. Gay	Central Ave See Isla City N I	550
3LX	Knight, A. Stanley	Central Ave., Sea Isle City, N. J 311 N. 11th St., Richmond, Va	18
3KX	Knight, G. Webber, jr.	1545 Walnut St., Harrisburg, Pa	1000
3IQ	Knoll, Llovd M	3260 Chestnut St., Philadelphia, Pa	40
3VB	Knowles, Edward P., jr.	648 Princeton Ave. Trenton N I	18
3JN	Knowles, Estward I., Jr.	648 Princeton Ave., Trenton, N. J	490
		Washington St. Laural Md	
3FQ	Krainer, John B	Washington St., Laurel, Md	330
3BB	Kralovec, Dalibor	3535 N. Water St., Philadelphia, Pa 2001 W. Pratt St., Baltimore, Md	32
3HX	Kratz, Herman A	2001 W. Fratt St., Daitimore, Mu	173
3TY 3EI	Krone, Julian E	2908 West Ave., Newport News, Va	24 330
3ML	Kumler, Kelvin C	Kensington, Md	
3CF	Kutz, Charles E	1000 Relment Ave. West Philadelphia Po	1,000
3GV	Laager, Creston F Laber, Joseph M	1029 Belmont Ave., West Philadelphia, Pa	18
30S	Laber, Joseph M	2422 N. Gratz St., Philadelphia, Pa 1717 Ingersoll St., Philadelphia, Pa	18
3GZ	Lafferty, Francis A	25 Strade Ave. Costesville Po	30
3VD	Laird, J. Ira	25 Strode Ave., Coatesville, Pa	200
3ME	Lamb, Franklin	4016 Edmondson Ave., Baltimore, Md	500
3QG	Landin, Charles R Landis, Harold O	241 N Front St Pooding Po	36
3TC		341 N. Front St., Reading, Pa	36
3CW	Landis, Harry Lange, J. Robert	1029 Lommon St. Rollimore Md	16
3QC	Lanning, John M	2436 Corlies St., Philadelphia, Pa. 1938 Lemmon St., Baltimore, Md. 77 E. Commerce St., Bridgeton, N. J	550
3ER	Larrimore, James F	1814 N. Calvert St., Baltimore, Md	550
3RZ	La Rue Lester I	701 Washington St., Hackettstown, N. J	15
3RJ	La Rue, Lester J La Rue, Robert G	264 Main St., Hackettstown, N. J.	7
3EB	La Salle College	1240 N. Broad St., Philadelphia, Pa	715
380	Law, Bartley H	301-A S 171 St Reading Pa	30
3VI	Laws, J. Waltham, jr	301-A S. 17½ St., Reading, Pa	36
3VO	Leayman, Charles S	Girard College, Philadelphia, Pa	306
3JV	Lehr, William	3912 Maine Ave., Baltimore, Md	36
3BZ	Loiston Foresto	68th and Jefferson Sts., Philadelphia, Pa	36
3TW	Leslie, Malcolm C	749 Asbury Ave., Ocean City, N. J	18
3LA	Levin, Davis	44 S. Bond St., Baltimore, Md	30
3OH	Levy, Lewis	243 E. Pearl St., Burlington, N. J	20
3RB	Lewis, Ellis.	658 Linden Ave., York, Pa	880
3UU	Lewis, Joseph W	26th and Master Sts., Philadelphia, Pa	880
3DW	Lowery, Norman S	1406 3d St. NW., Washington, D. C	45
3UX	Loughlin, John K	2215 Hunting Park Ave., Philadelphia, Pa	16
3DI	Lowell, Percival D	2838 27th St. NW., Washington, D. C	330
3DX	Lukens, Wilfred P	527 Spring Mill Ave., Conshohocken, Pa	605
3PM	Lusse, Richard N	2855 N. 8th St., Philadelphia, Pa	60

Amateur Radio Stations—Third District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Watts.
3LG	Lyon, Harry H	Hyatteville, Md	500
3GH	MacDonald, Stuart	209 N. 53d St., Philadelphia, Pa	330
3DM	MacFeeters, John	1538 N. Gratz St., Philadelphia, Pa	32
3EQ	Mac Kendrick, Robert G.	307 Amos Land Rd., Holmes, Pa 47 W. Stratford Ave., Lansdowne, Pa	1,000
3SG	Maris, Carroll B	47 W. Stratford Ave., Lansdowne, Pa	18
3ES	Martin, E. Linton	315 Radcliffe St., Bristol, Pa	64
3LK	Martin, Robert C	2500 N. 19th St., Philadelphia, Pa	25
3ON	Martin, Robert C Matos, Walter A	309 College Ave., Swarthmore, Pa	120
3 DO	Maxson, Donald L		330
3GS	McCafferty, Rea B	750 S 60th St. Philadelphia Pa	72
3JL	McCaskey Edward R	Kensington, Md. 750 S. 60th St., Philadelphia, Pa. 1029 Main St., Darby, Pa. 180 Main St., Hackettstown, N. J.	500
3RL	McCaskey, Edward R McClellan, Frederick W.	180 Main St Hackettstown N I	
3LZ	McCullough, Earl N	125 N Gross St Philadelphia Pa	16
3DP	McDonald Lester B	125 N. Gross St., Philadelphia, Pa.	10
	McDonald, Lester B	705 Doth Ct. Drietal D.	330
3KA	McEuen, Éarl W	36 E. Tulpehocken St., Philadelphia, Pa. 705 Bath St., Bristol, Pa. 3014 W. York St., Philadelphia, Pa.	100
3PK	McGear, Herbert K	Och Lees De	18
3EY	McIntyre, William McKee, W. Wesley	Uak Lane, Pa	440
3MB	McKee, W. Wesley	1411 W. Ontario St., Philadelphia, Pa	18
3VR	McVicker, W. Patton	635 Mohawk Ave., Norwood, Pa	1,000
3GL	Meck, Michael	1550 N. Allison St., Philadelphia, Pa	36
3IM	Mellon, Charles E	116 Pennsylvania Ave., Coatesville, Pa	950
3RA	Messinger, Miles B	309 N. Linden St., Bethlehem, Pa	24
3PD	Meyer, Emil J Miller, Alfred H	1919 Green St., Philadelphia, Pa	36
3AC	Miller, Alfred H	6358 McCallum St., Philadelphia, Pa	18
3DY	Miller, Frederick E	3134 N. Rosewood St., Philadelphia, Pa.,	18
3GQ	Miller, Kelly, jr	3134 N. Rosewood St., Philadelphia, Pa. 430 College St. NW., Washington, D. C. 1526 2d Ave., York, Pa	18
3TD	Miller, Harry G	1526 2d Ave., York, Pa	500
3NU	Mitchener, Frederick D.	119 Pond St., Bristol, Pa	100
3IW	Mitchener, Harold G	528 Swain St., Bristol, Pa	18
3AI	Mohr, Paul D	537 Chestnut St., Emaus, Pa	15
		2511 S. 7th St., Philadelphia, Pa.	
3CK	Moody, Matthew C	2011 G. 7th St., I madelphia, 1 a	12 36
3OM	Mooney, John, jr	2903 Girard Ave., Philadelphia, Pa	
3EK	Moore, Daniel D	2308 N. Charles St., Baltimore, Md 1008 McKean St., Philadelphia, Pa	250
3NQ	Morley, Augustin H Morris, Edward P	2114 D C4 Dhiladalahia Ta	27
3IC	Morris, Edward P	3114 D St., Philadelphia, Pa.	18
3UD	Mundy, Elmer	21 W. Airy St., Norristown, Pa	275
3HS	Murray, Eugene M Muth, Gerard J	Grays Lane, Haverford, Pa	990
3DL	Muth, Gerard J	16 Melvin Ave., Catonsville, Md	330
3KP	Myers, Roy R	Main St., South Perkasie, Pa	72
3MI	Nash, Clifford S	3615 N. 19th St., Philadelphia, Pa	18
3QY	Nees, Milton	560 Chester Ave., Norwood, Pa	3€
3ŤI	Nichols, Crawford V	560 Chester Ave., Norwood, Pa	30
3HL	Minima II and J.	8751 Frankford Ave., Holmesburg, Pa	18
3VU	Nielsen, Harold, Jr Nikirk, Thomas E Nielsy Paul H	411 12th St. SE., Washington, D. C	20
3RX	Nisley, Paul H	2406 6th St., Harrisburg, Pa	40
3KD	Noel, James F	228 2d St. NE., Washington, D. C.	72
3GO	Norcross, Earl L	228 2d St. NE., Washington, D. C 216 Roberts Ave., Glenside, Pa	250
3QA	O'Brien, Francis J	2226 N. Carlisle St., Philadelphia, Pa	500
3VZ	Orlando Frank	1948 S. 11th St., Philadelphia, Pa	16
3UY	Orlando, Frank Parker, Herbert H	Rockford, Wilmington, Del	72
	Dorles Toursman W7	2819 Hamilton St. Philadelphia De	12
3HE	Parks, Laurence W	3812 Hamilton St., Philadelphia, Pa	
3DS	Parks, Walther A	901 Lawrence St. NE., Washington, D. C	500
3AT	Parsons, Harry S	13 N. Carey St., Baltimore, Md	900
3NE	Passano, Leonard W	2504 Maryland Ave., Baltimore, Md	330
sow	Patchel, Robert E	532 S. 15th St., Philadelphia, Pa	40
3AP	Patzschke, August	Old Harford Rd., Hamilton, Md	990
3CG	Pauly, Robert	204 N. New St., Nazareth, Pa	18
3IL	Pawson, James M	336 W. Logan St., Philadelphia, Pa	24
3MT	Peck, G. Warren		300

Amateur Radio Stations—Third District—Alphabetically by Owners op Stations—Continued.

all signal.	Owner of station.	Location of station.	Pow
			Wat
3GI	Pelham, Fred B	603 Howard Pl. NW., Washington, D. C	" -
3PN	Pemberton, Henry R	1008 Clinton St., Philadelphia, Pa	
3 T O	Pent, Robert E	305 Wyncote Rd., Jenkintown, Pa	
3DB	Perry, Willard P., jr	Titusville, N. J	
BDA	Peterson, Raymond E	1602 S. Frazier St. Philadelphia Pa	
3ŪK	Peyser, Philip S	3208 West Ave., Newport News, Va	
SIX	Philadelphia School of	Park Building, Broad and Cherry Sts.,	4
BRM	Wireless Telegraphy. Phillips, Albert L	Philadelphia, Pa. 612 N. 2d St., Reading, Pa	1
BAD	Phillips, William J	1530 Orleans St., Baltimore, Md	2
	Dinon C Wahata	199 E Anti-ton Ct. Transaction Md	
STA	Piper, S. Webster	133 E. Antietam St., Hagerstown, Md 226 N. Calhoun St., Baltimore, Md 662 Stanbridge St., Norristown, Pa	2
BLD	Pisani, Sylvester	226 N. Calhoun St., Baltimore, Md	i .
BHH	Place, Samuel W	662 Stanbridge St., Norristown, Pa	6
BMW	Poelk James I is	325 Summit Ave., Jenkintown, Pa	
	Dallia William	Dala Da	، ا
NF	Poalk, James I, jr Pohlig, William T Polk, Charles P	Bala, Pa	2
3SP	Polk, Charles P	33 E. Walnut Ave., Merchantville, N. J	
3OJ	Pool, J. Alexander	114 E. Montgomery Ave., Ardmore, Pa	
TE		Second St. Highenire Pe	2
	Poorman, Arthur E	Second St., Highspire, Pa	۔ ا
PF	Postpichal, Otto I	1011 S. 10th St., Philadelphia, Pa	
BEH	Powell, Edwin H	1206 E. Capitol St., Washington, D. C	1
BEJ	Primrose, Donald L	2814 St. Paul St., Baltimore, Md	4
BPG	Proudley, Charles E	21 R St. NW Washington D C	
		202 Wildwood Assa Wildwood N. I	
SIA	Puff, Stephen F	222 Wildwood Ave., Wildwood, N. J	1
BFE	Rabl, Samuel	419 3d St., Baltimore, Md	
BNS	Radio Apparatus Co	258 Beech St., Pottstown, Pa	1,0
BNT	Rafferty, John A	642 Pine St., Bristol, Pa	
KU		110 F Pine Ave Wildwood N I	4
	Rakestraw, Charles E., jr.	OC TO Character of the District De	
BRN	Ramsey, Howard N	110 E. Pine Ave., Wildwood, N. J 96 W. Sharpnack St., Philadelphia, Pa	
BVC	Rancetelli, Ernani	1151 S. 9th St., Philadelphia, Pa	
KR	Rede, G. Ross	210 W. Madison St., Baltimore, Md	1
RW	Redgrave De Witt C	1505 Bolton St., Baltimore, Md	2
	Redgrave, De Witt C Reiff, W. Norman	Ole Ferreda Ca Complete De	
EF	reni, w. Norman	916 Fayette St., Conshohocken, Pa	3
BSA	Requa, Fred A	4112 Frederick Ave., Baltimore, Md	2
BQE	Richards, Clift R., jr	9 W. Irving St., Chevy Chase, Md	3
DK	Richardson, Thomas L	Quarantine, Curtis Bay, Md	
		2722 M Fairbill St Dhiladalphia Da	
BF	Richter, Harry A	2735 W. Faunin St., Fillsdeiphis, Fa	
BHY	Richwien, Louis C	2014_W. Pratt St., Baltimore, Md	
nc	Riley, Arthur S	147 Bank St., Bridgeton, N. J	3
KZ	Roberts Harold A	Kromer Ave., Berwyn, Pa	2
NV	Robey, V. C. K	117 Commerce St., Rockville, Md	1,0
	Dobinson Common	cor N losh Cs. Disk 3 17-	
GX	Robinson, George C Roekens, Noel H	607 N. 10th St., Richmond, Va	1
IQS	Koekens, Noel H	Glenside, Pa	3
RR	Roeller, Harold C	66 Chestnut St., Pottstown, Pa	2
GB	Rohrich, George J	Bethesda, Md	4
vv		2602 Connecticut Ave., Washington D. C.	
	Rose, Harold W	1014 To all the Arman No. Washington D. C.	3
UV	Ross, John W	1314 Lewellyn Ave., Norfolk, Va	4
SVP	Rothman, Charles	1037 Willielm St., Dalumbre, Mu	
QD	Rynick, George M., jr	Catonsville, Md	4
ĔW	Schoffey Rolph R	346 Lafayette St., Bristol, Pa	2
	Scheffey, Ralph B Schleher, Paul H	1010 N Manager CA Digital 1-1-1-2- D	
FK	ochiener, raul H	1912 N. Marvine St., Philadelphia, Pa	
BPA	Schlichting, E. N. E	224 E. Burk Ave., Wildwood, N. J	
IJG	Scholl, Warren	179 Kalos St., Wissahickon, Pa	
ŠĬŨ	Schramm, Carl	179 Kalos St., Wissalrickon, Pa	3
		OAA1 N Ook Oo Dhiladalaha Da	
BHN	Schuck, Leon H	2441 N. 8th St., Philadelphia, Pa	5
BAU	Schultz, Henry	14 S. Arlington Ave., Baltimore, Md	2
BOU	Schwering, Harry C., jr. Searle, William J., jr	1533 S. 16th St., Philadelphia, Pa	
GT	Searle, William J ir	164 Harrison Ave., Glenside, Pa	3
	~ , · · · · · · · · · · · · · · · ·	241 N. Wilton St., Philadelphia, Pa 4219 Parrish St., Philadelphia, Pa	
3SU	Social Alfred I	VAIN Wilton St Philadelphia De '	

A MATEUR RADIO STATIONS—THIRD DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
114			Watts.
3SQ	Sellers, William, jr	115 Glenn Rd., Ardmore, Pa	250
3QŽ	Service, Charles A., jr	Bala, Pa	550
3SD	Shafer, Albert G	201 Sylvan St., Rutledge, Pa	15
3SL	Shaw, Lemuel A	514 D St. SE. Washington, D. C	24
3EU	Shelley, F. Cheston	2612 Hampden St., Baltimore, Md	40
3LF	Shreiner, Carl H	37 E. James St., Lancaster, Pa	50
3OR	Signor, Frederick H	717 7th St. SE., Washington, D. C	36
3FD	Simon, Walter	1234 Carroll St., Baltimore, Md	36
3SX	Simons, Joseph M	4553 Pulaski Ave., Philadelphia, Pa	36
3RQ	Skene, Andrew A	4717 Northwood Ave., Philadelphia, Pa	24
3PP	Skinner, William H	117 Glenn Rd., Ardmore, Pa	12
3NO	Sleath, Robert W	305 Schuylkill Ave., Reading, Pa	6
3DQ	Smith, G. Victor	300 Mill St., Bristol, Pa	800
3PU	Smith, Hubert B	1721 N. 17th St., Philadelphia, Pa	330
3DF	Smith, Randolph	2647 N. Calvert St., Baltimore, Md	360
3FH	Smith, Sewall P	Wyndcrest Ave., Catonsville, Md	440
3UE	Smith, William M., jr	433 King St., Portsmouth, Va	54
3HG	Smith, W. P	715 N. 49th St., Philadelphia, Pa	250
3JR	Snow, Harold A	4715 Wisconsin Ave., Washington, D. C	30
3IK	Snyder, Harry H	Cold Spring, N. J.	60
3EG	Snyder, James R	319 Vassar Ave., Swarthmore, Pa	550
3DH	Stahl, Harry E., jr	275 Bellevue Ave., Trenton, N. J	200
3KI	Stanley, John S	Laurel, Md	500
3VY	Stannard, Charles F., jr.	800 N. 63d St., Philadelphia, Pa	24
3BY	Statz, Henry M	709 Euclid St. NW., Washington, D. C	48
3GY	Staub, James	Sluice Rd., Burlington Township, N. J	60
3NY	Steele, Sherman E	122 S. Queen St., Lancaster, Pa	200
3BC	Stephen C. Chester	Laurel Springs, N. J.	72
3HI	Stepp, John W	630 Morton St. NW., Washington, D. C	48
3JP	Sterns, Morton W	29 N. Main St., Bethlehem, Pa	1,000
3VH	Stickell, Daniel R	449 Potomac Ave., Hagerstown, Md	550
3HK	Stokes, Josiah T	15 W. Stiles Ave., Collingswood, N. J	24
3UM	Strailman, Gilbert T	649 29th St., Newport News, Va	1 18
3PQ 3IT	Strieby, Malcolm Stritzel, Alfred H	112 Rutgers Ave., Swarthmore, Pa 12 North Carolina Ave., South, Atlantic	1,000
3AS	Stumptner, Albert G	City, N. J. Old Harford Rd., Hamilton, Md	440
3QR	Sullivan, Frank J	2233 S. Carlisle St., Philadelphia, Pa	60
3TH	Tabb, Vincent W	26 Court St., Portsmouth, Va	30
30F	Talbot, George L	506 14th St., Highlandtown, Md	165
3DE	Tallman, Frank G., jr	1102 Broome St., Wilmington, Del	550
3QL	Tapley, Robert E	1102 Broome St., Wilmington, Del Hampton Court, Norfolk, Va	18
3GC	Taylor, B. Irving	300 Hillside Ave., Jenkintown, Pa	20
3НВ	Taylor, Sidney L. M	321 Mohawk Ave., Norwood, Pa	120
3UC	Teller, Leslie W	4012 7th St. NW., Washington, D. C	210
3HC	Thackery, Samuel J	4232 Paul St., Philadelphia, Pa	18
3HR	Thornton, Earl H	131 E. Durham St., Philadelphia, Pa	550
3NG	Tichenor, George C	123 S. Chester Rd., Swarthmore, Pa	18
3CX	Toboldt, William K	2412 N. 16th St., Philadelphia, Pa	72
3IY	Tolbert, Warren	7037 Hegerman St., Philadelphia, Pa	24
3VF	Tompkins, E. Randolph.	5269th Ave. SW., Roanoke, Va	350
3PY	Torrisi, Salvatore	1710 S. 11th St., Philadelphia, Pa	32
3AH	Treide, Carl L	2402 E. Baltimore St., Baltimore, Md	318
3RS	Tripp, George B., jr	113 S. Front St., Harrisburg, Pa	300
3GK	Troth, Raymond H	3350 N. 18th St., Philadelphia, Pa	30
3MQ	Trumbower, Raymond	24 Collingswood Ave., Oaklyn, N. J	18
3TS	Turner, Alfred W	61 Hampton St., Bridgeton, N. J	18
3DV I	Uphoff, Frank B	3649 York Rd., Philadelphia, Pa	1 18

Amateur Radio Stations—Third District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Power
			Watts.
3VW	Uphoff, Frank B	Philadelphia, Pa. (portable station)	
30A	Urner, Joseph W	215 E. 2d St., Frederick, Md	2
3KV	Van Duvne, Carlton	163 Lake Ave., Boonton, N. J.	25
3CM	Van Horn, J. Clunn	5127 Arch St., Philadelphia, Pa	50
3LL	Van Horn, J. Orville	1427 N. 17th St., Philadelphia, Pa	1
3SB	Van Hulsteyn, J. M. C	Cockeysville, Md	25
3QM	Varnes, Earl W	Cockeysville, Md	4
3RF	Vaughan, Charles A	118 Pastorius St., Philadelphia, Pa	3
3TN	Venn, Silas N	900 Vandever Ave., Wilmington, Del	25
3IN	Vogel, Charles C	1244 N. Taney St., Philadelphia, Pa	1
3KL	Wagner, William H	121 Obold St., West Reading, Pa	ī
3LW	Waite, John W	2938 N. 3d St., Philadelphia, Pa	5
3IR	Wallace, Lewis J	2728 Poplar St., Philadelphia, Pa	1
3AN	Walsh, Maurice L	819 W. Lexington St., Baltimore, Md	1,00
3P0		2412 S. Rosewood St., Philadelphia, Pa	5.
3VN	Watson, James B	10 Hanover St., Cumberland, Md	55
	Ways, Clarence I		
3AG	Weant, Clarence H	1546 Aisquith St., Baltimore, Md 5545 Webster Ter., Philadelphia, Pa	27.
31S	Weaver, Howard A	Mt Painian Md	2
3QP	Weber, Henry M	Mt. Rainier, Md	1
3FC	Weik, Charles F	1508 South St. Philadelphia De	2
3LH	Weiss, Leonard	1608 South St., Philadelphia, Pa	4
3NX	Wells, John M	6118 Boynton St., Philadelphia, Pa	4
3DT	Wells, William C., jr	124 S. 66th St., Philadelphia, Pa	49
3AF	West, William M	1407 N. Central Ave., Baltimore, Md	10
3FI	Wever, John A	238 S. Patterson Park Ave., Baltimore, Md.	2
3KQ	Wexler, Bernard	431 Dickinson St., Philadelphia, Pa	49
3CZ	Wheatley, Douglas N	405 N. 32d St., Philadelphia, Pa	4
3MY	Wheeler, William A	208 9th St. NE., Washington, D. C 937 14th St. SE., Washington, D. C	50
3MV	Whitaker, Lorenzo D	937 14th St. SE., Washington, D. C	3
3DG	White, Norman P	19 General Greene Ave., Trenton, N. J	1
30X	Wick, Arthur	2406 S. Percy St., Philadelphia, Pa	1
3NJ	Wicks, Preston S	2206 Ruskin Ave., Baltimore, Md	55
3CD	Widmyer, John H	1 S. Duke St., Lancaster, Pa	1
3FL	Wiler, William L	1735 Arch St., Philadelphia, Pa	1.
3SI	Williams, Harvey	3523 N. 18th St., Philadelphia, Pa	1,00
3KS	Williams, John McC	Elkridge, Md	1
3IV	Wilson, Willard S	705 Adams St., Wilmington, Del	49
3M K	Wilson, William P	2400 Barclay St., Baltimore, Md	6
3AM	Wise, Leonard J	419 N. Patterson Park Ave., Baltimore, Md	8
3HA	Wiseman, Luther B	330 W St. NW., Washington, D. C	1
3HU	Witmer, Charles T	133 W. Buttonwood St., Phildelphia, Pa.	33
3JD	Wolcott, Roger G	224 41st St., Norfolk, Va.	44
3MC	Wolf, Henry S	2405 E. Fairmount Ave., Baltimore, Md	55
3BS	Wolff, William J	2422 S. Iseminger St., Philadelphia, Pa	2
30 I	Wolle, Aubrey B	906 Prospect Ave., Bethlehem, Pa	33
3VG	Woold, Frederick B	Bryn Mawr, Pa	33
3GR	Wood, Richard M	Keyworth Ave., Baltimore, Md	33
3QX	Worcester, Paul S	1941 Green St., Harrisburg, Pa	4
3DD	Work, Ashton G	807 St. Charles Pl., Ocean City, N. J	25
3KJ	Worrest, Howard A	629 N. Duke St., Lancaster, Pa	13
3FU	Wunder, William F	6211 Germantown St., Philadelphia, Pa	8
3CQ	Yeager, George R	718 S. American St., Philadelphia, Pa	5
3TB	Young Men's Christian	10th and Orange Sts., Wilmington, Del	33
	Association.		1-1
3NA	Zang, Joseph A., jr	700 N. 37th St., Philadelphia, Pa	44
3QN	Zinszer, Harvey A	920 S. 6th St., Allentown, Pa	120
3PB	Zorger, Daniel H	409 Kelker St., Harrisburg, Pa	1,000

AMATEUR RADIO STATIONS—THIRD DISTRICT—Continued. ALPHABETICALLY BY CALL SIGNALS.

Allsignal.	Owner of station.	Call signal.	Owner of station.
3AA	Ashmore, John W.	3CH	Ferris, Malcolm.
3AB	Finck, Anthony R.	3CI	Hillers, John K.
3AC	Miller, Alfred H.	3CJ	Imfield, Fred H.
3AD	Phillips, William J.	3CK	Moody, Matthew C.
3AE	Gaffney, James H. West, William M.	3CL	Coleman, Walter V.
3AF	West, William M.	3CM	Van Horn, J. Clunn.
3AG	Weant, Clarence H.	3CN	Ashton, Leon W.
3AH	Treide, Carl L.	3CO	Campbell, James S.
3AI	Treide, Carl L. Mohr, Paul D.	3CP	Bunting, George M., jr.
3AJ	Bausman, George H.	3CQ	Yeager, George R.
3AK	Duvall, Edward B.	3CR	Ellis, William G.
3AL	Flentje, George F., jr.	3CS	Johnson, Burch R.
3AM	Wise, Leonard J.	3CT	Farnham, Henry A.
3AN	Walsh, Maurice L.	3CU	Gauss, Harry W.
3AO	Collier, Wilbur H.	3CV	Kelley, George W., jr.
3AP	Patzschke, August.	3CW 3CX	Lange, J. Robert.
3AQ	Hogan, Harold O.	3CY	Toboldt, William K.
3AR	Gilpin, Levering H.	3CZ	Hubbs, Edwin E.
3AS 3AT	Stumptner, Albert G.	3 ∪ ∠	Wheatley, Douglas M.
3AU	Parsons, Harry S. Schultz, Henry.	3DA	Peterson, Raymond E.
3AV	Glashoff, H. Irving.	3DB	Perry, Willard P., jr.
3AW	Ely, Harry S.	3DC	Bergen, Donald M.
3AX	Arner, Oscar Q.	3DD	Work, Ashton G.
3AY	Gaskins, Richard W.	3DE	Tallman, Frank G., jr.
3AZ	Gillingham, George L., jr.	3DF	Smith, Randolph.
V	, acargo, ,	3DG	White, Norman P.
3BB	Kralovec, Dalibor.	3DH	Stahl, Harry E., jr.
3BC	Stephen, C. Chester.	3DI	Lowell, Percival D.
3BD	Allen, Percival R.	3DJ	Diggins, Edward P. G.
3BE	Critchlow, Samuel T.	3DK	Richardson, Thomas L.
3BF	Richter, Harry A.	3DL	Muth, Gerard J.
3BG	Clark, Edwin T.	3DM	MacFeeters, John.
3BH	Flather, Bryan S.	3DN	France, A. Ward.
3BI	Deery, Walter J.	3DO	Maxson, Donald L.
3BJ	Henderson, Frank.	3DP	McDonald, Lester B.
3BK	Brown, Merritt M.	∥ 3DQ	Smith, G. Victor.
3BL	Jaquett, Maurice J.	3DR	Eyster, James A.
3BM	Allen, George Y.	3DS	Parks, Walther A.
3BN	Heisley, George E.	3DT	Wells, William C., jr.
3BO	Brady, John B.	3DU	Baumann, Frank J.
3BP	Blackwood, George C.	3DV	Uphoff, Frank B.
3BQ	Bugbee, Newton A.	3DW 3DX	Lowery, Norman S.
3BR 3BS	Crothers, Harry W.	3DX	Lukens, Wilfred P. Miller, Frederick E.
3BT	Wolff, William J. Hoffman, W. Hollis.	3DZ	Fisher, Roy S.
3BU	Austrian, Harry D.	1 3DE	rasiter, twoy is.
3BV	Bacon, Franklin F.	3EA	Brashears, Paul B.
3BW	Campbell, John W.	3EB	La Salle College.
3BX	Carpenter, C. E., jr.	3EC	Giffin, Sidney H.
3BY	Statz, Henry M.	3EF	Reiff, W. Norman.
3BZ	Leister, Fayette.	3EG	Snyder, James R.
		3EH	Powell, Edwin H.
3CA	Adelberger, Adrian J.	3EI	Kumler, Kelvin C.
3CB	Grant, Ulyssee S.	3EJ	Primrose, Donald L.
3CC	Biddle, Howard L., jr.	3EK	Moore, Daniel D.
3CD	Widmyer, John H.	3EL	Fricke, Henry W. L.
3CF	Laager, Creston F.	3EM	Beaty, Lehman C.
3CG	Pauly, Robert.	3EN	Bailey, Albert S.

Amateur Radio Stations—Third District—Alphabetically by Call Signals—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
3EP	Kennedy, Joseph H.	зна	Wiseman, Luther B.
3EQ	MacKendrick, Robert G.	3HB	Taylor, Sidney L. M.
3ER	Larrimore, James F.	3HC	Thackeray, Samuel J.
3ES	Martin, E. Linton.	3HE	Parks, Laurence W.
3ET	Fisher, Howes N.	3HG	Smith, W. P.
3EÛ	Shelley, F. Cheston.	3HH	
3EV	Brannan, Julian L.	3HI	Place, Samuel W.
3EW			Stepp, John W.
3EY	Scheffey, Ralph B.	3HJ	Bradley, Horace E.
3EZ	McIntyre, William. Donovan, Edgar R.	3HK 3HL	Stokes, Josiah T.
JAZ	Donovan, Eugar K.	3HM	Nielsen, Harold, jr.
			Hickman, Paul W.
3FA	Davis, Edwin L.	3HN	Schuck, Leon H.
3FB	Darby, George B., jr.	3HO	Fithian, William S., jr.
3FC	Weik, Charles F.	3HP	Duncan, Rodney P.
3FD	Simon, Walter.	3HQ	Happold, Harold H.
3FE	Rabl, Samuel.	3HR	Thornton, Earl H.
3FF	Dempster, Warren J.	3HS	Murray, Eugene M.
3FG	Godfrey, James M.	3HT	Falkenberg, August E.
3FH	Smith, Sewall P.	3HU	Witmer, Charles T.
3FI	Wever, John A.	3HW	James, Herman.
3FJ	Blair, Perot E.	3HX	Kratz, Herman A.
3FK	Schleher, Paul H.	3HY	Richwein, Louis C.
3FL	Wiler, William L.		l
3FM	Hartley, Milton E.	3IA	Puff, Stephen F.
3FN	Deichmiller, Alvin.	3IB	Good, Horace D.
3FO	E. I. du Pont De Nemours Pow-	3IC	Morris, Edward P.
01 0	der Co.	3ID	Hasenfus, Joseph F.
3FQ	Krainer, John B.	3IE	Jacobson, Bernard H.
3FŘ	Denston, E. Craig.	3IF	Godfrey, Earle.
3F8	Durkee, Alfred C.	31G	Johnson, Earle K.
3FT		3IH	Eisele, Edward, jr.
3FU	Dudley, De Witt C. Wunder, William F.	311	Coin, Thornley M.
3FV	Edwards, Charles.	3I J	Cooper, James W.
3FW	Hunter, Edwin J.	31K	Snyder, Harry H.
3FX	Hutchinson, Samuel J.	3IL	Pawson, James M.
3FZ		31 M	Mellon, Charles E.
31 Z	Conley, Charles B.	3IN	Vogel, Charles C.
		3IP	Anderson, Albert.
3GB	Rohrich, George J.	3IQ	Knoll, Lloyd M.
3GC	Taylor, B. Irving.	3IR	Wallace, Lewis J.
3GF	Blankenship, Elliott E.	318	Weaver, Howard A.
3GG	Jones, Winters.	3IT	Stritzel, Alfred H.
3GH	MacDonald, Stuart.	3IU	Schramm, Carl.
3GI	Pelham, Fred B.	3IV	Wilson, Willard S.
3GK	Troth, Raymond H.	3IW	Mitchener, Harold G.
3GL	Meck, Michael.	3IX	Philadelphia School of Wireless
3GM	Fellows, J. Howard.		Telegraphy.
3GN	Board of Public Education,	3IY 3IZ	Tolbert, Warren. Faunce, B. Warren.
900	Philadelphia, Pa.	312	Faunce, D. Wallen.
3GO	Norcross, Earl L.	OTA	August Forl W
3GP	Amig, Edward P.	SJA	August, Earl W.
3GQ	Miller, Kelly, jr.	NIC SIC	Riley, Arthur S.
3GR	Wood, Richard, M.	3JD	Wolcott, Roger G.
3GS	McCafferty, Rea B.	3JE	Dickerson, E. Stuart, jr.
3GT	Searle, William J., jr.	3JG	Scholl, Warren.
3GU	Hopkins, Robert E.	3JH	Brockman, Francis C.
3GV	Laber, Joseph M.	3JI	Burdette, Aubrey W.
3GW	Frazier, George R. T.	311	Bergmann, Frederick J.
3GX	Robinson, George C.	3JL	McCaskey, Edward R.
3GY	Staub, James.	3ЛМ	Freedom, Leon.
3GZ	Laird, J. Ira.	∥ 3JN	Korab, Harry E.

Amateur Radio Stations—Third District—Alphabetically by Call Signals—Continued.

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Callsignal.	Owner of station.	Call signal.	Owner of station.
3J0	Hicks, A. Willet, jr.	3MA	Downes, Marlboro K.
3JP	Sterns, Morton W.	3MB	McKee, W. Wesley.
3JQ	Benson, Thomas W.	3MC	Wolf, Henry S.
IJŘ	Snow, Harold A.	3MD	Dulany, Franklin R.
		3ME	
3JS 3JT	Beekley, Francis C.	3MF	Lamdin, Charles R.
	Hampson, George M. Fenimore, Robert S.		Hitchner, Clyde G. Ferguson, William.
3JU	renimore, Robert S.	3MG	Neck Clifford C
3JV	Lehr, William.	3MI	Nash, Clifford S.
3JW	Broadbelt, J. Edward, jr.	3MK	Wilson, William P. Kutz, Charles E.
3JX	Hoagland, Donald.	3ML	Kutz, Charles E.
3JY	Hann, Charles B.	3MM	King, Albert.
3JZ	Costella, Pietro A.	3MN	Hollinshead, Norman B.
	14 D D 1 W	3MO	Bickel, E. Clifton.
3KA	McEuen, Earl W.	3MP	Cohen, Henry.
3KB	Goodall, Alfred B.	3MQ	Trumbower, Raymond.
3KC	Kendall, Raymond V.	3MS	Barnhart, Lawrence W.
3KD	Noel, James F.	3MT	Peck, G. Warren.
3KE	Allen, Francis H.	3MU	Eckard, Lewis D.
3KF	Green, Anthony J.	3MV	Whitaker, Lorenzo D.
3KH	Bowen, Albert.	3MW	Poalk, James L., jr.
3KI	Stanley, John S.	3MX	Barker, Thomas H., ir.
3KJ	Worrest, Howard A.	3MY	Wheeler, William A.
3KK	Holmann, George A.	3MZ	Husted, Mortimer I.
3KL	Wagner, William H.		•
3KM	Gray, Gerald.	3NA	Zang, Joseph A., jr.
3KN	Barr, Richard H.	3NB	Frye, Marcus, jr.
3KO	Chalmers, Edwin L.	3NC	Dalling, Howard.
3KP	Myers, Roy R.	3ND	Hirst, Arthur C.
3KQ	Wexler, Bernard.	3NE	Passano, Leonard W.
3KŘ	Rede, G. Ross.	3NF	Pohlig, William T.
3KS	Williams, John McC.	3NG	Tichenor, George C.
3KT	Holtzinger, Horace K.	3NH	Bierfreund, Max A.
3KU	Rakestraw, Charles E., jr.	3NI	Bell, Albert A., jr.
3KV		3NJ	Wicks, Preston S.
	Van Duyne, Carlton.		
3KW	Erickson, Alfred O.	3NK	Godfrey, Howard L.
3KX	Knight, G. Webber, jr.	3NL	Behm, L. F. F.
3KY	Cole, Jesse James.	3NM	Finck, Anthony R.
3KZ	Roberts, Harold A.	3NN	Bachert, Homer A.
07.4	Factor Davids	3NO	Sleath, Robert W.
3LA	Levin, Davis.	3NP	Jones, La Frantz.
3LB	Iddings, Frederick T.	3NQ	Morley, Augustin H.
3LC	Eberly, Jacob A., jr. Pisani, Sylvester.	3NR	Ferris, Malcolm.
3LD	Pisani, Sylvester.	3NS	Radio Apparatus Co.
3LE	Evans, J. Arthur.	3NT	Rafferty, John A.
3LF	Shreiner, Carl H.	3NU	Mitchener, Frederick D.
3LG	Lyon, Harry H.	3NV	Robey, V. C. K. Burke, Thomas J.
3LH	Weiss, Leonard.	3NW	Burke, Thomas J.
3LK	Martin, Robert C.	3NX	Wells, John M.
3LL	Van Horn, J. Orville.	3NY	Steele, Sherman E.
3LM	Faries, Walter R.	3NZ	Branin, Manlif L.
3LN	Doyle, John E.		·
3LO	Godfrey, Clarence M.	3OA	Urner, Joseph W.
3LP	Densham, Harry W.	30B	Kennedy, Ignatius L.
3LQ	Birch, Stanford S.	300	Grover, H. Marshall.
3LŘ	Cooper, William F	3OD	Hemmann, William C.
3LU	Cooper, William F. Ellis, J. Elton.	30E	Gray, Harry L.
3LV	Griffin, Aloysius.	3OF	Talbot, George L.
3LW	Waite, John W.	30G	Jones, John W.
3LW	Knight, A. Stanley.	30H	Levy, Lewis.
3LX 3LY	Harris, William J.	301	Wolle, Aubrey B.
ol I	McCullough, Earl N.	11 201	I MOHE, MUDICY D.

Amateur Radio Stations—Third District—Alphabetically by Call Signals—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
30K	Kerr, William C.	300	Husk, Dayton E.
30L	Grant, Arthur F.	3QQ 3QR	Sullivan, Frank J.
		300	
30M	Mooney, John, jr. Matoe, Walter A.	3QS	Roekens, Noel H.
30N		3QT	Corderman, Roy C.
300	Hindin, Louis M.	3QU	Deichmann, George L., ji
30P	Fink, Louis, 3d.	3QV	Hall, Robert S.
30Q .	Bryson, Harold E.	3QW	Harsch, Lawrence P.
30R	Signor, Frederick H.	3QX	Worcester, Paul S.
30S	Lafferty, Francis A.	3QY	Nees, Milton.
3OT	Faust, Elmer J.	∥ 3QZ	Service, Charles A., jr.
3OU	Schwering, Harry C., jr.		
3OW	Patchel, Robert E.	3RA	Messinger, Miles B.
30X	Wick, Arthur.	3RB	Lewis, Ellis.
30Y	Gompf, August P.	3RC	Fenton, Edward T.
30Z	Collins, Benjamin W.	3RD	Dimling, Rudolph G. A.
	, 201,111	3RE	Frantz, Samuel G.
3PA	Schlichting, E. N. E.	3RF	Vaughan, Charles A.
3PB	Zorger, Daniel H.	3RG	Bowman Philip W
3PC	Abbott, E. H. B.	3RH	Bowman, Philip W. Kline, H. N. Gay.
	Mover Emil I	3RI	
3PD	Meyer, Emil J.	3RJ	Clough, Thomas A.
3PE	Bassett, William W.	3RK	La Rue, Robert G. Hepler, Walter R.
3PF	Poetpichal, Otto I.		McCleller Frederick W
3PG	Proudley, Charles E.	3RL	McClellan, Frederick W.
3PH	Harris, Edwin R.	3RM	Phillips, Albert L. Ramsey, Howard N. Garver, Edwin H. Kirby, Elmer S.
3PI	Atlee, Franklin.	3RN	Ramsey, Howard N.
3PJ	Berman, Harry.	3RO	Garver, Edwin H.
3PK	McGear, Herbert K.	3RP	Kirby, Elmer S.
3PL	Ballantine, Charles S.	3RQ	Skene, Andrew A.
3 PM	Lusse, Richard N.	3RR	Roeller, Harold C.
3PN	Pemberton, Henry R.	3RS	Tripp, George B., jr.
3 P O	Wateon, James B.	3RT	Carvin, Frank D.
3PP	Skinner, William H.	3RU	Hoff, J. Marshall.
3PQ	Skinner, William H. Strieby, Malcolm. Hahn, Clarence Le Roy.	3RV	Hamill, McClintock, jr.
3PQ 3PR	Hahn, Clarence Le Roy.	3RW	Redgrave, De Witt C.
3PS	Holt, Clarence J.	3RX	Nisley, Paul H.
3PT	Creager, E. Clark.	3RY	Jarvis, Thomas R.
3PŪ	Smith, Hubert B.	3RZ	La Rue, Lester J.
3PV	Bunting, Theodore R.	OIG	Da Itue, Dester V.
	Field Hower D	3SA	Requa, Fred A.
3PW	Field, Harry P. Howard, H. Trumbull.	3SB	
3PX	Marini Calamtana		Van Hulsteyn, J. M. C.
.3PY	Torrisi, Salvatore.	3SC	Hopper, Sterling A.
3PZ	Griffith, Elmer G.	3SD	Shafer, Albert G.
		3SE	Hyatt, C. Brown.
3QA	O'Brien, Francis J.	3SF	Hookey, Anthony C.
3QB	Butterfield, Harold G.	3SG	Maris, Carroll B.
3QC	Lanning, John M.	3SH	Kenyon, Walter R.
3QD	Rynick, George M., jr.	3SI	Williams, Harvey.
3QE	Richards, Clift R., jr.	3SJ	Glenn, Charles R.
3QF	Haig, J. Donald.	3SK	Baxley, C. Herbert.
3QG	Haig, J. Donald. Landis, Harold O.	3SL	Baxley, C. Herbert. Shaw, Lemuel A.
3QH	Fusselman, John.	3SM	Burnett, A. Elmo.
3QT	Barnes, Donald K.	3SN	Bourgeois, Edmund R.
3QJ		380	Low Bartley H
30,12	Crowley, Robert H. Adams, Leslie H.	3SP	Law, Bartley H.
3QK	Tanlor Dobort F	1000	Polk, Charles P.
3QL	Tapley, Robert E.	3SQ	Sellers, William, jr.
3QM	Varnes, Earl W.	3SR	Anderson, John A.
3QN	Zinszer, Harvey A.	388	Brany, Emil B.
3QO	Hake, Elias G.	3ST	Chappell, Ralph R.
3QP	Weber, Henry M.	∥ 3SU	Seeley, Alfred J.

AMATEUR RADIO STATIONS—THIRD DISTRICT—ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
3SV	Blakeley, George B.	3UK	Peyser, Philip S.
3SW	Barnard, Julian W.	3UL	Essick, William W., jr.
3SX	Simons, Joseph M.	3UM	Strailman, Gilbert T.
3SY	Barretta, Valroy S.	3UN	Hayes, William F.
3SZ	Herndon, Landon C.	3UO	Graves, Edwin D., ir.
0.2	nonnaul, nanaul ().	3UP	Howlett, Joseph T. F.
3ТА	Piper, S. Webster.	3ŬQ	Howlett, Joseph T. F.
3TB	Y. M. C. A., Wilmington, Del.	3ŬŘ	Cohan, William W.
3TC	Landis, Harry.	3US	Hopkins, James R.
3TD	Miller, Harry G.	3ŬT	Cianfrani, Theodore.
3TE	Poorman, Arthur E.	3ŬŪ	Lewis, Joseph W.
3TF	Ebert, Burton E.	3UV	Ross, John W.
3TG	Hatch, William B.	3UW	Call, J. Richardson.
3TH	Tabb, Vincent W.	3ŬX	Loughlin, John K.
TTE	Nichols, Crawford V.	3UY	Parker, Herbert H.
3TĴ	Emmerson, Frank V.	3UZ	Braidwood, Thomas W.
3TK	Flather, Bryan S.	002	21010110011, 1202000 11.
3TL	Bowes, Joseph J.	3VA	Durham, Wilson N.
3TM	Davidson, Delmer S.	3VB	Knowles, Edward P., jr.
3TN	Venn, Silas N.	3VC	Rancetelli, Ernain.
3TO	Pent, Robert E.	3VD	Lamb, Franklin.
3TP	Brittingham, Otis B.	3VE	Davis, Herbert E.
3TQ	Andrews, Edward C.	3VF	Tompkins, Eugene R.
3TŘ	Fell, David B.	3VG	Wood, Frederick B.
3TS	Turner, Alfred W.	3VH	Stickell, Daniel R.
3TT	Kindt, Charles F., jr.	3VI	Laws, J. Waltham, jr.
3TU	Bach, Earl C.	3VJ	Geibel, Henry J.
3TV	Blanford, Irving.	3VK	Griffith, Dorsey J.
3TW	Leslie, Malcolm C.	3VL	Bernstein, Abraham R.
3TX	Blessing, Joseph M.	3VM	Baynes, Ralph J.
3TY	Krone, Julian E.	3VN	Ways, Clarence I.
3TZ	Kellert, Charles.	3VO	Leayman, Charles S.
	22073014, 02421001	3VP	Rothman, Charles.
3UA	Gilbert, Harry P., jr.	3VQ	Uphoff, Frank B.
3UB	Colberg, George A.	3VR	McVickar, W. Patton.
3UC	Teller, Leslie W.	3VS	French, Edward R., ir.
3UD	Mundy, Elmer.	3VT	Seidenberg, Frank.
3UE	Smith, William M., jr.	3VŪ	Nikirk, Thomas E.
3UF	Howlett, Joseph T. F.	3VV	Rose, Harold W.
3ÜG	Dearden, Rowland R., 3d.	3VW	Uphoff, Frank B.
3UH	Casey, Elwood R.	3VX	Flounders, Newton.
3ŬĪ	Fletcher, Edward.	3VY	Stannard, Charles F., jr.
3UJ	Campbell, James D.	3VŽ	Orlando, Frank.

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.]

Callaignal.	Owner of station.	Location of station.	Power.
4AN 4BA 4AU 4AL 4AS 4AW	Avera, William W Bangs, Philip C Brandon, Beverly A	45 Whitaker St., Savannah, Ga	200 30 350 330

Amateur Radio Stations—Fourth District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Watts.
4BN	Cross, K. E	Port Tampa, Fla	50
4AE	Davis, Loren V	St. Petersburg, Fla	60
4AZ	Dunk, Thomas R	1424 Laura St., Jacksonville, Fla	550
4AT	Ehle, Frank R	1337 Liberty St., Jacksonville, Fla	330
4AQ	Fisher, C. C	711 Whaley St., Columbia, S. C	30
4BE	Fowler, Carl A	S. N. S. Station, Athens, Ga	500
4AX	Gordon, Clarence M	Helena, Ga	990
4AF	Humphrey, Arthur L	1105 Market St., Wilmington, N. C	18
4BI	Kreis, Joseph W., jr	655 S. Pryor St., Atlanta, Ga	36
4AR	Marbury, Ralph E	26 Wesley St., Newnan, Ga	500
4AD	McQuade, James H	1 25th St., Miami, Fla.	175
4AB	Meltzer, Isador	627 Margaret St., Key West, Fla	225
4BJ	Milam, Ralph L	1039 Highway Ave., Jacksonville, Fla	150
4AJ	Moore, Victor W	147 Nacoochee Ave., Athens, Ga	250
4BC	Morgan, Sidney	208 W. Gaston St., Savannah, Ga	88
4AY	Moseley, Charles W	815 Mulberry St., Columbia, S. C	20
4AP	Peer, Emmitt E	419 W. Duval St., Jacksonville, Fla	800
4AA	Pope, Wilbur B	197 Dearing St., Athens, Ga	432
4BB	Rankin, Robert G., jr	3 N. 9th St., Wilmington, N. C	16
4AC	Rice, Elmer L	1702 E. Duval St., Jacksonville, Fla	880
4BL	Schoenwald, Byron B	116 Nun St., Wilmington, N. C.	30
4AM	Sebastian, Lawrence F.	336 Myrtle Ave., South Jacksonville, Fla	250
4BK	Simons, Mayrant	Summerville, S. C.	1,000
4BD	Speight, Marshall C	5 Johnson St., Newbern, N. C	100
4AO	Swearingen, Thos. J., jr	403 Prairie Ave., Gainesville, Fla	990
4AV	Treisback, Robert T	2228 Riverside Ave., Jacksonville, Fla	500
4BM	Villareal, Dewey R	412 William St., Key West, Fla	100
4AK	Whiting, Charles T	R. F. D. No. 6, Gainesville, Fla.	770
4BH	Wikle, James R	619 S. Pryor St., Atlanta, Ga.	300
4BS	Wilmington High School	4th and Ann Sts., Wilmington, N. C	220

ALPHABETICALLY BY CALL SIGNALS.

Callsignal.	Owner of station.	Call signal.	Owner of station.
4AA	Pope, Wilbur B.	4AW	Crevasse, Joe N.
4AB	Meltzer, Isador.	4AX	Gordon, Clarence M.
4AC	Rice, Elmer L.	4AY	Moseley, Charles W.
4AD	McQuade, James H.	4AZ	Dunk, Thomas R.
4AE	Davis, Loren V.		,
4AF	Humphrey, Arthur L.	4BA	Avant, Marion C.
4AJ	Moore, Victor W.	4BB	Rankin, Robert G., jr.
4AK	Whiting, Charles T.	4BC	Morgan, Sidney.
4AL	Bangs, Philip C.	4BD	Speight, Marshall C.
4AM	Sebastian, Lawrence F.	4BE	Fowler, Carl A.
4AN	Adams, George G.	4BH	Wikle, James R.
4AO	Swearingen, Thos. J., jr.	4BI	Kreis, Joseph W., jr.
4AP	Peer, Emmitt E.	4BJ	Milam, Ralph L.
4AQ	Fisher, C. C.	4BK	Simons, Mayrant.
4AŘ	Marbury, Ralph E.	4BL	Schoenwald, Byron B.
4AS	Brandon, Beverly A.	4BM	Villareal, Dewey R.
4AT	Ehle, Frank R.	4BN	Cross, K. E.
4AU	Avera, William W.	4BS	Wilmington High School.
4AV	Treisback, Robert T.	11 1	5 0

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.

Callsignal.	Owner of station.	Location of station.	
			Watts.
5AC	A. & M. College of Texas.	College Station, Tex	300
5BC	Amerine, William H	435 S. Court St., Montgomery, Ala	495
5AR	Beynon, Eugene T	604 Artesian St., Corpus Christi, Tex	496
5AX	Bonnecaze, Leonce, jr	1428 Kerlerec St., New Orleans, La	225
5BW	Brown, Max T	1017 Cumberland St., Little Rock, Ark.	60
5AM	Brownell, Harold S	1512 Phelan St., Birmingham, Ala	500
5BD	Casey, Robert H., jr	313 N. Main St., Cleburne, Tex	770
5BV	Clayton, John M	1301 Welch St., Little Rock, Ark	15
5BR	Curtis, Earnest M	350 Selma St., Mobile, Ala	440
5AU	Gallo, Louis	821 Royal St., New Orleans, La	10
5AQ	Goldstein, Henry R	1819 Octavia St., New Orleans, La	75
5AS	Goodman, Louis N	300 Main St., Starkville, Miss	1,000
5BP	Glover, Charles W	327 Sayre St., Montgomery, Ala	506
5EK	Hamby, Otis	514 S. 5th St., Temple, Tex	50
5BJ	Hanz, Harry W	310 Bridge St., New Braunfels, Tex	500
5AY	Harris, Russell S	1240 Esplanade St., New Orleans, La	30
5BI	Harrison, Jackson W	800 Highland Ave., Montgomery, Ala	550
5BM	Hayes, James J., jr	106 Brown St., Brownwood, Tex	750
5AG	Johannsen, John, jr	Lafayette Ave. and Miro St., New Or-	
0210	Johannsch, John, J	leans, La.	
5BK	Leroy, Louis	1005 Rayner Ave., Memphis, Tenn	1,000
5BQ	Lockland, Scott B	807 Bois d'Arc St., Fort Worth, Tex	250
5AV	Macke, William	2414 Painter St., New Orleans, La	250
5BL	Marks, George M., jr	615 S. Perry St., Montgomery, Ala	220
5AH	Martin, Ben W	438 Spring Hill Ave., Mobile, Ala	275
5BS	McLain, Robert M	513 W. Clinton St., Huntsville, Ala	770
5AW	McNeil, Ernest W	1039 Robert St., New Orleans, La	30
5BT	Medlen, Charles C	114 E. 3d St., Okmulgee, Okla	1,000
5BE	Mollenhauer, Arthur E.	812 Castell St., New Braunfels, Tex	100
5AL	Reboul, Theophile, jr	2106 Chartres St., New Orleans, La	500
5AD			
	Rorshach, Harold E	619 N. E St., Muskogee, Okla	870
5BN	Salzer, Harry S	2322 N. Villere St., New Orleans, La	450
5AT	Stone, Frank M	7919 Jeannette St., New Orleans, La	1,000
5AP	Thompson, Vance M	267 Pasadena Pl., Memphis, Tenn	880
5BA	Toups, Roy N	1512 Ursuline St., New Orleans, La	125
5BH	Vogler, Robert L	Lee St. and Bringhurst Ave., Alexandria,	100
5BU	Ward, Robert P	La. 233 Orchard St., Georgetown, Tex	550

ALPHABETICALLY BY CALL SIGNALS.

Call signal.	Owner of station.	Call signal.	Owner of station.
5AC	A. & M. College of Texas.	5AR	Beynon, Eugene T.
5AD	Rorshach, Harold E.	5AS	Goodman, Louis N.
5AG	Johannsen, John, jr.	5AT	Stone, Frank M.
5AH	Martin, Ben W.	5AU	Gallo, Louis.
5AL	Reboul, Theophile, jr.	5AV	Macke, William.
5AM	Brownell, Harold S.	5AW	McNeil, Ernest W.
5AP	Thompson, Vance M.	5AX	Bonnecaze, Leonce, jr.
5AQ	Goldstein, Henry R.	5AY	Harris, Russell S.

Amateur Radio Stations—Fifth District—Alphabetically by Call Signals—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station
5BA 5BC 5BD 5BE 5BH 5BJ 5BJ 5BK 5BL 5BM 5BN	Toups, Roy N. Amerine, William H. Casey, Robert H., jr. Mollenhauer, Arthur E. Vogler, Robert L. Harrison, Jackson W. Hanz, Harry W. Leroy, Louis. Marks, George M., jr. Hayes, James J., jr. Salzer, Harry S.	5BP 5BQ 5BR 5BS 5BT 5BU 5BV 5BW	Glover, Charles W. Lockland, Scott B. Curtis, Earnest M. McLain, Robert M. Medlen, Charles C. Ward, Robert P. Clayton, John M. Brown, Max T. Hamby, Otis.

SIXTH DISTRICT.

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

Call signal.	Owner of station.	Location of station.	Power
			Watts.
6QN	Abbott, Raymond B	1803 Cedar St., Berkeley, Cal	250
6QD	Adam, Carl F., jr	2830 Garber St., Berkeley, Cal	550
6DS	Adams, Charles C	704 E. 21st St., Los Angeles, Cal	750
6NU	Adkins, Edward S	143 N. Pasadena Ave., Pasadena, Cal	50
6LF	Alexander, Lee	182 Flora St., Bell, Cal	3
6AAO	Alexander, Willard B	219 W. 24th St., Los Angeles, Cal	44
6PF	Allen, Preston D	1410 West St., Oakland, Cal	1,00
6LD	Anderlini, Louis J	2012 Keith St., San Francisco, Cal	3
6SW	Anderson, Elroy E	80 Barson St., Santa Cruz, Cal	55
6VM	Anderson, Herbert E	Lindsay, Cal.	22
6KY	Andrews, Harold S	2171 W. 29th Pl., Los Angeles, Cal	30
6WA	Anthes, William F., jr.	230 S. 7th St., San Jose, Cal.	2
6DM	Archer, Robert P	2912 S. Flower St., Los Angeles, Cal	3
6FA	Arnberger, Frank, jr	3230 Garfield Ave., Alameda, Cal.	1,00
6UA	Asadoorian, Theodore N.	1205 Garfield Ave., Pasadena, Cal	15
6AA	Aster, Alvin K	1814 Alameda Ave., Alameda, Cal	1,00
6EG			25
6IC	Aten, Arthur B	428 Clark St., Sherman, Cal	25
	Austin, Russell F	1595 6th Ave. Oakland Col	45
6MF	Aymar, Clarence A	1525 6th Ave., Oakland, Cal	
6MB	Baden, Merle L	2637½ Piedmont Ave., Berkeley, Cal	1,00
6BQ	Baer, Charles M	Cupertino, Cal	1
6ER	Bailey, Cecil	R. F. D. No. 18, Los Altos, Cal	05
6QX	Baird, Maxfield A	913 S. Main St., Corona, Cal	25
6HB	Baker, Harry G	643 W. 42d Pl., Los Angeles, Cal	90
6VJ	Barbour, Joseph L	217 W. 8th St., Hermosa Beach, Cal	1,00
6QL	Barker, Waldo W	331 Lighthouse Ave., Pacific Grove, Cal	2
6FJ	Barnum, Coit L	9034 Hillside Ave., Oakland, Cal	99
6BX	Barrett, Eldridge D	720 Capp St., San Francisco, Cal	
6LB	Barton, Larry J	19 Crystal Springs Rd., San Mateo, Cal	1,00
6BP	Bauer, Roy M	402 S. Jefferson St., Napa, Cal	3
6VS	Bauman, Warren C	Newcastle, Cal	49
6QP	Beament, Thomas	844 14th St., San Francisco, Cal	10
6EJ	Bean, Arthur E	1450 Washington St., San Francisco, Cal	44
6AJ	Bean, James	1775 Alameda Ave., San Jose, Cal	4
6KZ	Beaver, Gerald A	1533 Court St., Alameda, Cal	50
6WJ	Bechtel, Warren, jr	302 Perry St., Oakland, Cal	50
6TN	Beckman, Philip E	821 14th St., San Francisco, Cal	150

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Amateur Radio Stations—Sixth District—Alphabetically by Owners of Stations—Continued.

6AM 6FY 6V 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U 6U	Power	Location of station.	Owner of station.	Call signal.
6VW Bernaldo, Dewey. 511 S. Chapel St., Alhambra, Cal. 6FU Bennett, George S. 3000 Grove St., Berkeley, Cal. 6HX Berlin, Latham 1525 Chestnut St., Alameda, Cal. 6JH Berry, Charles A. 1st St., Los Altos, Cal. 6QF Biber, Albert L. 1731 Noe St., San Francisco, Cal. 6EO Bilger, Anson S. 407 Vernon St., Oakland, Cal. 6EO Blake, Albert W. 1055 Lincoln Ave., Pasadena, Cal. 6LA Blochman, Lawrence G. 3260 1st St., San Diego, Cal. 6HB Bolton, Harold B. 4300 Judah St., Santa Monica, Cal. 6WB Boothn, Wilber C. 2229 Ashby Ave., Berkeley, Cal. 6GB Bowlus, Glen H. Paxton Ave., San Francisco, Cal. 6HB Bowlus, Glen H. Paxton Ave., San Francisco, Cal. 6HB Brandit, Robert L. 322 Grand Blvd., San Mateo, Cal. 6HB Brandt, Robert L. 322 Grand Blvd., San Mateo, Cal. 6HD Breck, F. Bon. 225 Mather St., Oakland, Cal. 6HD Brown, Julian T. 2604 E., 2d St., Los Angeles, Cal. 6HD Brown, Robert L.	Watts.			
6VW Beraldo, Dewey. 511 S. Chapel St., Alhambra, Cal. 6FU Bernstrom, R. Bernard 6LX Berlin, Latham 1525 Chestnut St., Alameda, Cal. 6FH Berry, Charles A. 1525 Chestnut St., Alameda, Cal. 6FH Berry, Charles A. 1525 Chestnut St., Alameda, Cal. 6FH Berry, Charles A. 1525 Chestnut St., Alameda, Cal. 6FH Berry, Charles A. 1525 Chestnut St., Alameda, Cal. 6FH Bilber, Albert L. 1731 Noe St., San Francisco, Cal. 6FH Bilsen, Charles S. 1734 Channing Way, Berkeley, Cal. 6EO Blake, Albert W. 1055 Lincoln Ave., Pasadena, Cal. 6EO Blake, Albert W. 1055 Lincoln Ave., Pasadena, Cal. 6FH Boothman, Lawrence G. 3260 1st St., San Diego, Cal. 6FH Booth, Wilber C. 2229 Ashby Ave., Berkeley, Cal. 6FH Boudinot, Truman E. 33 Navy St., Ocean Park, Cal. 6FB Bowlus, Glen H. Paxton Ave., San Francisco, Cal. 6FB Bradley, Philip L. 523 19th Ave., San Francisco, Cal. 6FB Bradley, Philip L. 523 19th Ave., San Francisco, Cal. 6FFV Brockett, Charles. 248 Olive St., Los Angeles, Cal. 6FFV Brown, Julian T. 2604 E., 2d St., Los Angeles, Cal. 6FFY Brown, Francisco, Cal. 6FFY Brown, Franc		253 N. Lake Ave., Pasadena, Cal	Benner, Bryan	6VQ
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6AP Brown, Robert L. 634 Franklin St., Maple, Cal. 6JY Browne, G. R. A., jr. Los Altos, Cal. 610 Buchanan, Roy J. 953 E. 22d St., Los Angeles, Cal. 6AM Buckley, Ernest V. 327 Martin Ave., San Jose, Cal. 6FY Buell, Clarence R. 732 56th St., Oakland, Cal. 6OH Bull, Harold F. 208 S. 2d St., Sawtelle, Cal. 6BY Bullard, Orlan K. 1655 10th St., San Diego, Cal. 6BOZ Bunting, Howard S. 109 Forest Ave., Pacific Grove, Cal. 6DZ Caldwell, Duncan K. 427 Crane Ave., Pacific Grove, Cal. 6NX Calvert, Paul P. Inglewood, Cal. 6NX Calvert, Paul P. Inglewood, Cal. 6NX Capps, Delphin. 710 Peninsula St., Burlingame, Cal. 6NY Carroll, Elvin K. Capitola, Cal. 6NY Carroll, Elvin K. Capitola, Cal. 6MS Carroll, Elvin K. Capitola, Cal. 6MS Carroll, Elvin K. Capitola, Cal. 6MS Carroll, Russell W. 354 Perry St., Oakland, Cal. 6MS Cha	. 27	838 E. 22d St., Los Angeles, Cal	Brown, Ralph E	
6AY Browne, G. R. A., jr. Los Altos, Cal. 6BB Brumter, Ralph. 1214 E St., San Diego, Cal. 6AM Buckley, Ernest V. 327 Martin Ave., San Jose, Cal. 6FY Buell, Clarence R. 732 56th St., Oakland, Cal. 6BY Bull, Harold F. 208 S. 2d St., Sawtelle, Cal. 6BY Bullard, Orlan K. 1655 10th St., San Diego, Cal. 6BO Buring, Howard S. 109 Forest Ave., Pacific Grove, Cal. 6BOZ Caldwell, Duncan K. 427 Crane Ave., Turlock, Cal. 6BX Calvert, Paul P. 101 Inglewood, Cal. 6BX Carps, Delphin. 710 Peninsula St., Burlingame, Cal. 6BY Carroll, Elvin K. Capitola, Cal. 6BY Carroll, Russell W. 354 Perry St., Oakland, Cal. 6CR Chamberlain, George E. 121 N. 6th St., San Vielle, Cal. 6CR Chamberlain, Leon H. 553 27th St., Oakland, Cal. 6CR Chambers, James. 427 Banks St., San Francisco, Cal. 6CR Charters, John R. 266C E. 1st St., Los Angeles, Cal. 6CR Christie, A. Edwin. 1052 Cole St., San Francisco, Cal. 6CR Chist, Paul U. 72 Lundy's Lane, San Francisco, Cal. 6CR Clark, Paul U. 898 S. 8th St., San Jose, Cal.	. 1,00	634 Franklin St., Maple, Cal	Brown, Robert L	
6RB Brumter, Ralph	. 50	520 2d St., San Jose, Cal		
6AM Buckley, Ernest V 327 Martin Ave., San Jose, Cal. 6FY Buell, Clarence R. 732 56th St., Oakland, Cal. 6RY Bull, Harold F. 208 S. 2d St., Sawtelle, Cal. 6RY Bullard, Orlan K. 1655 10th St., San Diego, Cal. 6BOZ Burge, Walter M. 33 Hester Ave., Pacific Grove, Cal. 6BOZ Caldwell, Duncan K. 427 Crane Ave., Turlock, Cal. 6BOZ Capps, Delphin. 710 Peninsula St., Burlingame, Cal. 6BOZ Carey, Francis K. 2116 Thompson St., Los Angeles, Cal. 6COZ Carey, Francis K. 2116 Thompson St., Los Angeles, Cal. 6COZ Carey, Francis K. 2116 Thompson St., Los Angeles, Cal. 6COZ Carey, Francis K. 2116 Thompson St., Los Angeles, Cal. 6COZ Carey, Francis K. 2116 Thompson St., Los Angeles, Cal. 6COZ Carey, Francis K. 2116 Thompson St., Los Angeles, Cal. 6COZ Carey, Francis K. 2116 Thompson St., Los Angeles, Cal. 6COZ Carey, Francis K. 2116 Thompson St., Los Angeles, Cal. 6COZ Carey, Francis K. 2116 Thompson St., Los Angeles, Cal. 6COZ Carey, Francis K. 2116 Thompson St., Los Angeles, Cal. 6COZ Carey, Francis K. 2116 Thompson St., Los Angeles, Cal. 6COZ Chamberlain, George E. 2121 N. 6th St., Sawtelle, Cal. 6COZ Chamberlain, Leon H. 553 27th St., Oakland, Cal. 6COZ Charters, John R. 2606 E. 1st St., Los Angeles, Cal. 6COZ Charters, John R. 2606 E. 1st St., Los Angeles, Cal. 6COZ Christe, A. Edwin 1052 Cole St., San Francisco, Cal. 6COZ Christeneen, V. H. 72 Lundy's Lane, San Francisco, Cal. 6COZ Chart, Paul U. 898 S. 8th St., San Jose, Cal.	. 25	Los Altos, Cal		
61O Buchanan, Roy J. 953 E. 22d St., Los Angeles, Cal. 65M Buckley, Ernest V. 327 Martin Ave., San Jose, Cal. 6FY Buell, Clarence R. 732 56th St., Oakland, Cal. 60H Bull, Harold F. 208 S. 2d St., Sawtelle, Cal. 6RY Bullard, Orlan K. 1655 10th St., San Diego, Cal. 6SO Burge, Walter M. 33 Hester Ave., Pacific Grove, Cal. 6DZ Caldwell, Duncan K. 427 Crane Ave., Pacific Grove, Cal. 6NX Calwert, Paul P. Inglewood, Cal. 6NX Calvert, Paul P. Inglewood, Cal. 6NX Capps, Delphin. 710 Peninsula St., Burlingame, Cal. 6AC Carey, Francis K. 2116 Thompson St., Los Angeles, Cal. 6AY Carroll, Elvin K. Capitola, Cal. 6MS Carson, E. A.	. 21	1214 E St., San Diego, Cal	Brumter, Ralph	6RB
68Y Bullard, Orlan K. 1655 10th St., San Diego, Cal. 60Z Burting, Howard S. 109 Forest Ave., Pacific Grove, Cal. 33 Hester Ave., San Jose, Cal. 60Z Caldwell, Duncan K. 427 Crane Ave., Turlock, Cal. 60X Calvert, Paul P. Inglewood, Cal. 60X Capwell, Cebert. 710 Peninsula St., Burlingame, Cal. 60X Carey, Francis K. 2116 Thompson St., Los Angeles, Cal. 61X Carroll, Elvin K. Capitola, Cal. 61X Carroll, Russell W. 354 Perry St., Oakland, Cal. 61X Carson, E. A. Dominguez Station, Cal. 61X Center, Hugh. Race St., San Jose, Cal. 61X Chamberlain, George E. 121 N. 6th St., Sawtelle, Cal. 61X Chambers, James. 427 Banks St., San Francisco, Cal. 61X Charters, John R. 2606 E. 1st St., Los Angeles, Cal. 61X Charters, John R. 3050 Hopkins St., Oakland, Cal. 61X Christie, A. Edwin. 1052 Cole St., San Francisco, Cal. 61X Christensen, V. H. 72 Lundy's Lane, San Francisco, Cal. 61X Christensen, V. H. 72 Lundy's Lane, San Francisco, Cal. 61X Chiark, Paul U. 898 S. 8th St., San Jose, Cal.	. 55	953 E. 22d St., Los Angeles, Cal	Buchanan, Roy J.	6IO
6SO Bunting, Howard S. 109 Forest Ave., Pacific Grove, Cal. 6DZ Caldwell, Duncan K. 427 Crane Ave., San Jose, Cal. 6NX Calvert, Paul P. Inglewood, Cal. 6WZ Capps, Delphin. 710 Peninsula St., Burlingame, Cal. 6KC Carey, Francis K. 2116 Thompson St., Los Angeles, Cal. 6SY Carroll, Elvin K. Capitola, Cal. 6SY Carroll, Russell W. 354 Perry St., Oakland, Cal. 6KR Center, Hugh. Race St., San Jose, Cal. 6KR Center, Hugh. Race St., San Jose, Cal. 6KR Chamberlain, George E. 121 N. 6th St., Sawtelle, Cal. 6KR Chambers, James. 427 Banks St., San Francisco, Cal. 6KZ Charters, John R. 2606 E. 1st St., Los Angeles, Cal. 6KZ Charters, John R. 3050 Hopkins St., Oakland, Cal. 6KZ Christie, A. Edwin. 1052 Cole St., San Francisco, Cal. 6KZ Christensen, V. H. 72 Lundy's Lane, San Francisco, Cal. 6KZ Chark, Paul U. 898 S. 8th St., San Jose, Cal.	. 3	327 Martin Ave., San Jose, Cal	Buckley, Ernest V	6AM
6SO Bunting, Howard S. 109 Forest Ave., Pacific Grove, Cal. 109 Forest Ave., Pacific Grove, Cal. 33 Hester Ave., San Jose, Cal. 109 Forest Ave., San Jose, Cal. 109 Forest Ave., San Jose, Cal. 109 Forest Ave., San Jose, Cal. 109 Forest Ave., San Jose, Cal. 109 Forest Ave., San Jose, Cal. 109 Forest Ave., San Jose, Cal. 109 Forest Ave., San Jose, Cal. 109 Forest Ave., San Jose, Cal. 109 Forest Ave., San Jose, Cal. 109 Forest Ave., San Jose, Cal. 109 Forest Ave., San Jose, Cal. 109 Forest Ave., San Jose, Cal. 109 Forest Ave., Pacific Grove, Cal. 109 Forest Ave., San Francisco, Cal. 109 Forest Ave., San Foresci Gal. 109 Forest Ave., San Foresci Gal. 109 Forest Ave., San Francisco, Cal. 109 Forest Ave., San Foresci Gal. 109 Foresci Ave. 30 Foresci Gal. 109 Foresci Ave. 30 Foresci Gal. 109 Foresci	. 11	732 56th St., Oakland, Cal.	Buell, Clarence R	6FY
6SO Bunting, Howard S. 109 Forest Ave., Pacific Grove, Cal. 109 Forest Ave., Pacific Grove, Cal. 33 Hester Ave., San Jose, Cal. 109 Forest Ave., San Jose, Cal. 109 Forest Ave., San Jose, Cal. 109 Forest Ave., San Jose, Cal. 109 Forest Ave., San Jose, Cal. 109 Forest Ave., San Jose, Cal. 109 Forest Ave., San Jose, Cal. 109 Forest Ave., San Jose, Cal. 109 Forest Ave., San Jose, Cal. 109 Forest Ave., San Jose, Cal. 109 Forest Ave., San Jose, Cal. 109 Forest Ave., San Jose, Cal. 109 Forest Ave., San Jose, Cal. 109 Forest Ave., Pacific Grove, Cal. 109 Forest Ave., San Francisco, Cal. 109 Forest Ave., San Foresci Gal. 109 Forest Ave., San Foresci Gal. 109 Forest Ave., San Francisco, Cal. 109 Forest Ave., San Foresci Gal. 109 Foresci Ave. 30 Foresci Gal. 109 Foresci Ave. 30 Foresci Gal. 109 Foresci	. 1,00	208 S. 2d St., Sawtelle, Cal.	Bull, Harold F	60H
680 Burge, Walter M	. 55	1655 10th St., San Diego, Cal	Bullard ()rlan K	6RY
GDZ Caldwell, Duncan K. 427 Crane Ave., Turlock, Cal. 6NX Calvert, Paul P. Inglewood, Cal. 6RC Capps, Delphin. 710 Peninsula St., Burlingame, Cal. 6RC Carey, Francis K. 2116 Thompson St., Los Angeles, Cal. 6RY Carroll, Elvin K. Capitola, Cal. 6RY Carroll, Russell W. 354 Perry St., Oakland, Cal. 6RR Carson, E. A. Dominguez Station, Cal. 6RR Center, Hugh. Race St., San Jose, Cal. 6AG Chamberlain, George E. 121 N. 6th St., Sawtelle, Cal. 6AG Chambers, James. 427 Banks St., San Francisco, Cal. 6AG Charters, John R. 2006 E. 1st St., Los Angeles, Cal. 6AD Chiste, A. 3050 Hopkins St., Oakland, Cal. 6AD Christie, A. Edwin. 1052 Cole St., San Francisco, Cal. 6AU Clark, Paul U. 898 S. 8th St., San Jose, Cal. 6AL Clark, Paul U. 898 S. 8th St., San Jose, Cal.	. 1,00	109 Forest Ave., Pacific Grove, Cal	Bunting, Howard S	6SO
6DZ Caldwell, Duncan K. 427 Crane Ave., Turlock, Cal. 6NX Calvert, Paul P. Inglewood, Cal. 710 Peninsula St., Burlingame, Cal. Hillside Ave. and Kelton Court, Oakland Cal. Hillside Ave. and Kelton Court, Oakland Cal. 2116 Thompson St., Los Angeles, Cal. Carroll, Elvin K. Capitola, Cal. 234 Perry St., Oakland, Cal. Carson, E. A. Dominguez Station, Cal. Race St., San Jose, Cal. Chamberlain, George E. 121 N. 6th St., Sawtelle, Cal. 6AG Chamberlain, Leon H. 553 27th St., Oakland, Cal. Chambers, James. 427 Banks St., San Francisco, Cal. Charters, John R. 2606 E. 1st St., Los Angeles, Cal. 1323 Lemon St., Riverside, Cal. 1323 Lemon St., Riverside, Cal. 1052 Cole St., San Francisco, Cal. 1052 Cole St., San Jose, Cal. 1052 Cole St., San Francisco, Cal. 1052 Cole St., San Francisco, Cal. 1052 Cole St., San Jose, Cal. 1052 Cole St., S	. 3	33 Hester Ave., San Jose, Cal	Burge, Walter M	60Z
6NX Calvert, Paul P. Inglewood, Cal. 6NZ Capps, Delphin. 710 Peninsula St., Burlingame, Cal. 711 Peninsula St., Burlingame, Cal. 710 Peninsula St., Burlingame, Cal. 710 Peninsula St., Burlingame, Cal. 710 Peninsula St., Burlingame, Cal. 710 Peninsula St., Burlingame, Cal. 711 Peninsula St., Burlingame, Cal. 712 Panisula St., Paulingame, Cal. 710 Peninsula St., Burlingame, Cal. 710 Peninsula St., San St., San Jose, Cal. 710 Peninsula St., San Jose, Cal. 710 Peninsula St., San Jose, Cal. 710 Peninsula St., San Jose, Cal. 710 Peninsula St., San Jose, Cal. 710 Peninsula St., San Jose, Cal. 710 Peninsula	. 33	427 Crane Ave., Turlock, Cal	Caldwell, Duncan K	
Carey, Francis K	. 1,00	Inglewood, Cal	Calvert, Paul P	6NX
Carey, Francis K	. 1,00	710 Peninsula St., Burlingame, Cal	Capps, Delphin	6WZ
Carey, Francis K	27	Hillside Ave. and Kelton Court, Oakland.	Capwell, Cebert	
6FC Carey, Francis K		Cal.	, , , , , , , , , , , , , , , , , , , ,	
6NY Carroll, Elvin K. Capitola, Cal. 6NS Carson, E. A. Dominguez Station, Cal. 6NR Center, Hugh Race St., San Jose, Cal. 6NR Chamberlain, George E. 6NR Chamberlain, Leon H. 6NR Chamberlain, Leon H. 6NR Chamberlain, Leon H. 6NR Chamberlain, Leon H. 6NR Chamberlain, George E. 6NR Chamberlain, Leon H. 6NR Chamberlain, Leon H. 6NR Chamberlain, Leon H. 6NR Chamberlain, Leon H. 6NR Chambers, James Chambers, James Agents St., San Francisco, Cal. 6NR Charters, John R. 6NR Capitola, Cal. 6NR	. 23		Carev. Francis K	6FC
6MS Carson, E. A. Dominguez Station, Cal. 6KR Center, Hugh Race St., San Jose, Cal. 6AG Chamberlain, George E. 6AG Chamberlain, Leon H. 6IE Chambers, James 427 Banks St., San Francisco, Cal. 6IC Charters, John R. 6AD Chids, Ralph S. 6AD Chids, Ralph S. 6AD Christie, A. Edwin 1052 Cole St., San Francisco, Cal. 6AU Clark, Paul U. 898 S. 8th St., San Jose, Cal. 121 N. 6th St., Sawtelle, Cal. 270 Banks St., San Francisco, Cal. 280 E. 1st St., Los Angeles, Cal. 380 Hopkins St., Oakland, Cal. 380 Hopkins St., San Francisco, Cal. 380 Christensen, V. H. 384 Perry St., Oakland, Cal. 384 Perry St., Oakland, Cal. 385 27th St., Sawtelle, Cal. 385 27th St., Jos Angeles, Cal. 386 E. 387 28 28 28 28 28 28 28 28 28 28 28 28 28			Carroll, Elvin K	
6MS Carson, E. A. Dominguez Station, Cal. 6KR Center, Hugh Race St., San Jose, Cal. 121 N. 6th St., Sawtelle, Cal. 6AG Chamberlain, Leon H. 6IE Chambers, James 427 Banks St., San Francisco, Cal. 6IZ Charters, John R. 2606 E. 1st St., Los Angeles, Cal. 6AD Chids, Ralph S. 3050 Hopkins St., Oakland, Cal. 6EZ Christie, A. Edwin 1052 Cole St., San Francisco, Cal. 6AU Clark, Paul U. 898 S. 8th St., San Jose, Cal.			Carroll, Russell W.	
6AR Center, Hugh Race St., San Jose, Cal. 6AG Chamberlain, George E. 121 N. 6th St., Sawtelle, Cal. 6AG Chambers, James 127 h St., Oakland, Cal. 6IE Chambers, John R. 2606 E. 1st St., Los Angeles, Cal. 6AD Chase, John H. 1323 Lemon St., Riverside, Cal. 6AD Chids, Ralph S. 3050 Hopkins St., Oakland, Cal. 6EZ Christie, A. Edwin 1052 Cole St., San Francisco, Cal. 6AU Clark, Paul U. 898 S. 8th St., San Jose, Cal.	1,00	Dominguez Station, Cal	Carson, E. A.	
6QJ Chamberlain, George E. Chamberlain, Leon H. 553 27th St., Oakland, Cal. 61E Chambers, James 427 Banks St., San Francisco, Cal. 260C Chase, John H. 1323 Lemon St., Riverside, Cal. 1323 Lemon St., Riverside, Cal. 1323 Lemon St., Call. 1324 Childs, Ralph S. 3050 Hopkins St., Oakland, Cal. 1052 Cole St., San Francisco, Cal. 1052 Cole St., San Francisco, Cal. 1052 Cole St., San Francisco, Cal. 120 Clark, Paul U. 898 S. 8th St., San Jose, Cal. 120 Clark, Paul U. 898 S. 8th St., San Jose, Cal. 120 Chark, Paul U. 120 Clark,	. 25	Race St., San Jose, Cal	Center, Hugh	
6ÅG 6IE 6IE 6GZ 6AD 6Chambers, James. 6AD 6AD 6AD 6AD 6AD 6AD 6AD 6AD 6AD 6AD	. 25	121 N 6th St Sawtelle Cal		
61E Chambers, James. 427 Banks St., San Francisco, Cal. 61Z Charters, John R. 2606 E. 1st St., Los Angeles, Cal. 61Z Chase, John H. 1323 Lemon St., Riverside, Cal. 61Z Childs, Ralph S. 3050 Hopkins St., Oakland, Cal. 61Z Christie, A. Edwin. 1052 Cole St., San Francisco, Cal. 61Z Christensen, V. H. 72 Lundy's Lane, San Francisco, Cal. 61Z Christensen, V. H. 898 S. 8th St., San Jose, Cal.	55	553 27th St Oakland Cal		
6JZ Charters, John R. 2606 E. 1st St., Los Angeles, Cal. 1323 Lemon St., Riverside, Cal. 1323 Lemon St., Riverside, Cal. 26AD Childs, Ralph S. 3050 Hopkins St., Oakland, Cal. 1052 Cole St., San Francisco, Cal. 272 Lundy's Lane, San Francisco, Cal. 272 Lundy's Lane, San Francisco, Cal. 2898 S. 8th St., San Jose, Cal.	. 50	497 Ranks St. San Francisco Cal		
6JC Chase, John H 1323 Lemon St., Riverside, Cal 6AD Childs, Ralph S 3050 Hopkins St., Oakland, Cal 6EZ Christie, A. Edwin 1052 Cole St., San Francisco, Cal 6QC Christensen, V. H 72 Lundy's Lane, San Francisco, Cal 6AU Clark, Paul U 898 S. 8th St., San Jose, Cal	. 25	2006 F let St. Les Angeles Col	Charters John P	
6QC Christensen, V. H	. 30	1992 Lomon St. Diverside Col		
6QC Christensen, V. H	. 50	2050 Honking St. Ookland Col	Childe Rolph S	
6QC Christensen, V. H	. 50	1059 Colo St. Son Francisco Col	Christia A Edwin	
6AU Clark, Paul U 898 S. 8th St., San Jose, Cal			Christonson W U	
6DD Clark Victor M 1336 E Colorado St. Pagadona Cal			Clark Paul II	
THE LABOR VICTOR WILLIAMS B. L'AIAPORA NE Pagadana Cal	- 1	1996 F. Coloredo Ct. Decedera Col	Clark, Faul U	
CAATA CALLAN TARRELL AND THE COLOR OF THE CALLAN CA	. 60	1336 E. Colorado St., Pasadena, Cal	Callia Warner	
6AAF Collins, Wayne A 788 19th St., Oakland, Cal.		788 19th St., Oakland, Cal.	Collins, Wayne A	
6LC Comins, Frank L. Niles, Cal.	- 50	Niles, Cal.		
60D Cook, John A 1504 Locust St., Long Beach, Cal	- 25	1504 Locust St., Long Beach, Cal		
6RC Cook, J. Ralph	1,00	1221 Oxford St., Berkeley, Cal		

AMATEUR RADIO STATIONS—SIXTH DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power
			Watte
6CY	Cooper, Charles P	66 Linda Ave., Oakland, Cal	33
6CA	Corby, Grant W	1129 W. 6th St., Los Angeles, Cal	33
6IQ	Cornell, Ezra B	18 Culloden Park, San Rafael, Cal	50
6RŤ	Cornish, Lester R	107 3d St., Pacific Grove, Cal	
6WC	Cornish, Warren D	107 3d St., Pacific Grove, Cal	75
6WQ	Cowles, John	28 Butler Ave., San Francisco, Cal	50
6HC	Craig, Harold F	696 2d St., San Pedro, Cal	33
6UP	Creswell, Frank, jr	833 W. 58th St., Los Angeles, Cal	30
6FX	Cross, Fred M	144 N. Beaudry St., Los Angeles, Cal	50
6NJ	Cunningham, Edward J.	Santa Clara, Cal	66
6DE	Curtis, Burbank	832 Linden St., Long Beach, Cal	25
6WI	Cusick, William J	2595 Folsom St., San Francisco, Cal	25
6PV	Czapkay, Edward	1 A 11 O-1	25
6BS	Davidson, G. Edward	419 6th St., Richmond, Cal	25
6TW		817 Fellon St. Oakland Cel	25
6EP	Davidson, Stanley E	617 Fallon St., Oakland, Cal	
6OI	Davis, Elwood	876 N. Orange Grove Ave., Pasadena, Cal.	50
	Dawson, J. Percy	763 Oakland Ave., Pasadena, Cal	50
6GD	Day, Elwin C	4304 19th St., San Francisco, Cal	50
6FD	Deardorf, Francis H	Los Altos, Cal	1
6AQ	De La Cruz, George	706 W. San Carlos St., San Jose, Cal	1
6UJ	Deliue, Herbert A	2057 Alameda Ave., Alameda, Cal	50
6EN	de Neuf, Emil A	1538 Russell St., Berkeley, Cal	50
6DW	De Wald, Alfred S	Felton, Cal	8
6HD	Dickow, Henry	413 26th Ave., San Francisco, Cal	50
60K	Dillon, Lyle	757 Carondelet St., Los Angeles, Cal	1,00
6KC	Dinley, Laurence J	850 E. 49th Pl., Los Angeles, Cal	12
6QE	Dodge, Earl E	170 Athol Ave., Oakland, Cal	25
6KE	Dogan, Kenneth D	1115 Cole St., San Francisco, Cal	
6OV	Doig, John H., jr	1029 Washington St., San Diego, Cal	30
6NO	Donaldson, Ernest S	Pearl and 14th Sts., Santa Monica, Cal	1,00
6WP	Donelson, William E., jr.	1215 West Ave., Eureka, Cal	57
6VN	Dorcy, Ben H., jr	190 Ocean View Ave., Santa Cruz, Cal	25
6OF	Doty, Arthur H	2135 California St., Eureka, Cal	2
6AZ	Downing, Alan S	2510 Fruitvale Ave., Oakland, Cal	1,00
6LT	Downs, LaRoy	108 N. Pasadena Ave., Pasadena, Cal	27
6RG	Downs, Robert	1062 10th St., San Diego, Cal	50
6BV	Drake, Charles	422 22d St., Richmond, Cal	30
6PO	Drath, Walter J	682 34th St., Oakland, Cal	25
6KD	Dutton, Kingsley	1447 Salem St., Glendale, Cal	25
6HE	Eastling, Harvey	2659 Folsom St., San Francisco, Cal	5
6HY	Ebeling, Hyde S	444 Delmas Ave., San Jose, Cal	Ĭ
6WX	Ebert, Howard W	455 Orchard St., San Jose, Cal	i î
6QV	Echlin, Jack E	460 Vernon St., Oakland, Cal	50
6ĞŻ	Edgar, George P	Broadmoor Blvd., San Leandro, Cal	50
6BJ	Edwards, Lewis W	903 Wilshire St., Sawtelle, Cal	25
6NM	Eidemiller, Charles H	1110 Summit Ave., Pasadena, Cal	55
6EK	Eiferle, Chrissie	3018 Boulevard Ave., Fruitvale, Cal	ĭ
6TE		2138 McKinley St., Berkeley, Cal	50
60U	Eisenhuth, Thomas V	2731 Danuary Ave. Porkelov, Cal	1 7.5
	Eldredge, George E	2731 Benvenue Ave., Berkeley, Cal	25
6NZ	Emmerling, Herbert J	439 3d Ave., San Francisco, Cal	1,00
6QM	Ensign, Millard J	4420 Falcon St., San Diego, Cal	25
6DL	Espe, Oliver E	495 Hambarra CA Carabarra Cal	50
6RE	Esplen, Elmer R	425 Hawthorne St., Stockton, Cal	1,00
6ST	Evans, Bryan	Precidio of Monterey, Cal	
6FI	Eveleth, Harlan A	2805 Russell St., Berkeley, Cal	1,00
6UT	Everard, Charles E	895 E. 56th St., Los Angeles, Cal	44
6CZ	Everard, Charles E	158 Bruce Ave., Pasadena, Cal	40
6KM	Everett, J. Victor	Huntington Beach, Cal	
6UY	Everharty, Laurence	2320 E. 3d St., Los Angeles, Cal	
6VF	Falk, Victor H	64 S. 10th St., San Jose, Cal	2

AMATEUR RADIO STATIONS—SIXTH DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	· Owner of station.	Location of station.	Power.
			Watts.
6FL	Faneuf, Forrest E	153 Water St., Santa Cruz, Cal	250
6FB	Farlinger, Ernest	227 2d St., Richmond, Cal	495
6GF	Farmer, Gordon Farrell, Raymond	Clearwater, Cal	50
6TR	Farrell Raymond	2326 Pacific Ave., Alameda, Cal	
6IF	Farwell, Ivyn	2230 9th St., Berkeley, Cal	250
6FE	Felt, Clarence J	1732 Channing Way Berkeley Cal	330
6ET	Fenner, Paul R	1732 Channing Way, Berkeley, Cal 1338 Masonic Ave., San Francisco, Cal	42
6II	Ferguson, E. Franklin.	596 Newton Ave., San Diego, Cal	25
6HV	Ferrill, Herbert E	Bostonia, Cal.	20
6KF	Filben, Frank	37 Hester Ave., San Jose, Cal	679
		2051 Green St. San Francisco Col	
6QQ	Finnell, Phillip S	2251 Green St., San Francisco, Cal	500
6CB	Fisher, Frank L	661 Buchon St., San Luis Obispo, Cal	40
6JU	Fisher, Jules. Fisher, Thomas A	2214 Carlton St., Berkeley, Cal	38
6TC	Fisher, Thomas A	Perry, Cal	900
6KW	Fisk, Alfred C	524 Almond Ave., Long Beach, Cal	250
6HF	Flenner, Harry A	1695 Granada Ave., San Diego, Cal	500
6ED	Flinspach, J. Henry	1695 Granada Ave., San Diego, Cal 403 E. Citrus Ave., Redlands, Cal	250
6QU	Floud, J. Harold	260 3d Ave., San Francisco, Cal	250
6FO	Fones, Robert	832 Cleveland St., Oakland, Cal	1,000
6SQ	Fonseca, Arthur	2610 Valdez St., Oakland, Cal	100
6WF	Ford, Walter B	3653 Arnold St., San Diego, Cal	500
6JF	Forsburg, Joe A	1616 Josephine St., Berkeley, Cal	250
6NQ	Francis, Ernest R	Mountain View, Cal	50
6FK	Francis, Ernest R Frank, Walter	Mountain View, Cal	450
6UM	Freeman, Elmer D	Nordhoff, Cal	120
6FH	French, Donald K	3027 Capp St., Fruitvale, Cal	250
6RF	Frier, Robert L	1017 W. 17th St., Los Angeles, Cal	250
6BK	Frost, William H	473 Minor Ave., San Jose, Cal	20
6CX	Frank Carl G	1345 Northside Ave., Berkeley, Cal	250
6AAE	Frunk, Carl G	3434 Hollis St., Oakland, Cal	500
	Correct Edward D		300
6GA	Garratt, Edward D	1308 Crown Hill Ave., Los Angeles, Cal.	990
6JW	Gastman, Henry	2530 Eunice St., Berkeley, Cal	990
6UH	Gates, Howard C	E. Kingsley Ave., Pomona, Cal	400
6GJ	Gaugh, H. E. F	1379 Boston Ave., San Diego, Cal	
6NG	Gerlach, Leonard	Point Richmond, Cal 512 Crofton Ave., Oakland, Cal	100
6GE	Gerlach, William G	512 Croiton Ave., Oakland, Cal	470
6ON	Germain, H	1450 Pacific Ave., San Francisco, Cal	500
6LG	Gianini, Leo G	535 5th Ave., San Francisco, Cal	60
6US	Gibson, Walter L Gilbert, Phillip H	2324 Dennison St., East Oakland, Cal	25
6AAG	Gilbert, Phillip H	387 W. 8th St., Pomona, Cal	1,000
6GG	Gildersleeve, Given	506 Calistoga Ave., Napa, Cal	50
6QK	Gill, Fred M	2715 4th St., Ocean Park, Cal	750
6PG	Gillmore, Purcell	375 N. Fair Oaks Ave., Pasadena, Cal	200
6AAH	Gilstrap, L. Frederick	517 N. Curtis Ave., Alhambra, Cal	160
6MG	Glindemann, Melvern	825 Fillmore St., San Francisco, Cal	495
6BM	Godwin, Merle H	19 Grigsby Court, Napa, Cal	300
6UZ	Gosmann, Jack L	2389 W. 31st St., Los Angeles, Cal	250
6GO	Goss, William M	516 Bath St., Santa Barbara, Cal	500
6VC	Gottwald, Eugene A	404 S St., Eureka, Cal.	250
6JG	Gould, Gordon	2265 Clinton Ave., Alameda, Cal	24
6FG		305 Phelps St., Redwood, Cal	21
	Granger, Floyd	634 Citrus Ave., Redlands, Cal	30
6BG	Grates, John	Stavana Crook Rd San Iogo Cal	120
6LP	Gray, Clifford	Stevens Creek Rd., San Jose, Cal	420
6RX	Gray, Harold G.	2604 9th Ave., Oakland, Cal	
6AAK	Green, Carl V., jr	317 E. 49th St., Los Angeles, Cal	495
6AR	Greenquist, Elmer A	516 W. San Carlos St., San Jose, Cal	225
6AAI	Gregory, Merle M	1011 Orchard St., Santa Rosa, Cal	40
6EE	Griffin, Clyde S	Stevinson, Cal	
6LL	Griffith, William M Grimes, W. Frank	139 Pierce St., San Francisco, Cal	25
6DH	Grimes, W. Frank	103 N. Pasadena Ave., Pasadena, Cal	1,000

Amateur Radio Stations—Sixth District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Powe
			Watt
6DP	Grundell, Hubert	285 11th St., San Pedro, Cal	1
8LR	Guenther, Leo H	309 W. Ortega St., Santa Barbara, Cal	5
BAN	Guidotti, W. F	745 W. San Fernando St., San Jose, Cal	1
6GU	Gurnette, Bernard A	51 Beaver St., San Francisco, Cal	3
BGC	Hall, Gordon V	1446 National Ave., San Diego, Cal	5
BTH	Hall, Thomas C	1278 Market St., San Francisco, Cal	5
3VP	Hancock, Hadys D	Venice Pier, Venice, Cal	1,0
3CQ	Hanson, Earl C	2534 4th Ave., Los Angeles, Cal	3
RĚ	Hare, Ralph M	74 Castro St., San Francisco, Cal	
TZ	Harmon, Orville A	2742 35th Ave., Oakland, Cal	5
SCG	Harty, Courtenay E	5167 Wilton Pl., Los Angeles, Cal	
PQ	Harvey, George C	San Fernando, Cal	2
CH	Haun, John K	152 E. 36th Pl., Los Angeles, Cal	3
SIH			2
KP	Hazleton, Ralph L	53 Bryce St., Santa Cruz, Cal	2
ÜK	Heagney, Elmer D	901 S. Center St., Stockton, Cal	1,0
	Heald's Business College	San Francisco, Cal	
BAAC BHN	Heaney, Clarence M	197 N F St San Matao Col	5
	Heinz, Albert	127 N. F St., San Mateo, Cal	3
BWD	Hemsley, Will	430 20th St., San Diego, Cal	4
BAAB	Hemenway, Clyde C	1407 Vermont St., San Francisco, Cal	١.
PS	Henn, Charles W	1468 47th Ave., San Francisco, Cal	3
Mr	Herzog, Aurelius	1468 La Playa St., San Francisco, Cal]
DC	Hibbard, Charles H., jr	156 Bellefontaine St., Pasadena, Cal	5
WH	Hill, William F	2348 G St., San Diego, Cal	5
CC	Hilleary, Frank J	2600 E. 2d St., Los Angeles, Cal	4
NF	Hillier, H. H	337 Rosemont Ave., Pasadena, Cal	2
HZ	Hoffman, Harold H	625 Forest Ave., Pacific Grove, Cal	
LU	Hoffman, Lucien C	315 3d Ave., San Francisco, Cal	5
BRD	Hogaboom, Raymond	4924 Guizot St., San Diego, Cal	
DQ	Holmes, Joseph J	135 Ripley Ave., Richmond, Cal	2
FQ	Holt, Felix	2042 Albatross St., San Diego, Cal	5
BNĽ	Horton, Stephen E	235 N. Mentor St., Pasadena, Cal	6
SSI	Hoyt, Leander L	Hayward, Cal	2
LH	Hunt, Lloyd F	Inglewood, Cal	7
BW	Hyde, Stanley E	4031 S. Bonnie Brae St., Los Angeles, Cal.	3
PI	Hyndman, Elmore	638 E. 23d St., Los Angeles, Cal	2
SJ	Indart, Carl A	170 S. Rowan Ave., Los Angeles, Cal	5
IR	Irey, Earl R	3667 3d St., San Diego, Cal	5
LI	Isaacs, Louis R	1200 Regent St., Alameda, Cal	e
JĪ	Jackson, Chester M	4025 Brookdale Ave., Oakland, Cal	1,0
JĀ	Janes, Charles V	38 Jupiter St., San Francisco, Cal	
ijĵ	Jessup, John H	2620 Cedar St., Berkeley, Cal	2
jo	Johnson, Clarence N	730 Julian Ave., San Diego, Cal	
SA	Johnson, F. Kenneth	715 E. 43d Ave., Los Angeles, Cal	1,0
TP	Johnson, Harold M	15 King St., San Jose, Cal	1,0
NR	Johnson, J. William	1716 Toharman St. Los Angolos Cal	4
		1716 Toberman St., Los Angeles, Cal	
TI MY	Johnson, Melvern L	720 52d St., Oakland, Cal	2
MY	Johnston, Robert	734 K St., Eureka, Cal	2
MJ	Jones, Myron A	4190 41st St., San Diego, Cal	5
RJ	Jones, Russell B	1041 Stanyan St., San Francisco, Cal	2
KX	Jones, Walter	615 L St., Eureka, Cal.	2
VL	Kaiser, Erlin	1665 9th St., San Diego, Cal	
BL	Kather, Karl E	104 Wilson St., Napa, Cal	
OM	Kaufmann, Irwin	56 20th Ave., San Francisco, Cal	5
WN	Kelly, Wallace N	Redondo, Cal	1,0
BUF	Kemp, Thomas J	950 Atlantic Ave., Long Beach, Cal	5
BRK	Kerns, Roy	219 Russell St., Berkeley, Cal	2
BAH	Kessell, James H	551 Willis Ave., San Jose, Cal	
BCE	Kilto, Ćarl	506 Fremont Ave., Los Angeles, Cal	
KK			

Amateur Radio Stations—Sixth District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Watts.
60Q	King, Clarance A	1141 Garfield Ave., Pasadena, Cal	500
6EX	King, William E	80 Elgin Park, San Francisco, Cal	250
6CK	Kinsel, Charles M	396 Oakland Ave., Oakland, Cal	550
6KI	Kispert, Charles H	1748 Quesada Ave., San Francisco, Cal	
6JK	Klemgard, James G Koerber, Walter A Kramer, Augustus A	947 Cedar Ave., Long Beach, Cal	345
6WK	Koerber, Walter A	1099 N. Wilson Ave., Pasadena, Cal	660
6UE	Kramer, Augustus A	6th St. and Margarita Ave., Coronado, Cal.	500
6HK	Krauter, Howard R Kreiss, Rudolph L	850 W. 43d Pl., Los Angeles, Cal	990
6IW	Kreiss, Rudolph L	1062 Stannage Ave., Berkeley, Cal	440
6PK	Kyes, Percy L	617 Eucalyptus Ave., Riverside, Cal	500
6HW	La Barre, Harold J	64 W. Colorado St., Pasadena, Cal	280
6LY	Ladley, William A	Yohoma St., Napa, Cal	250
6VI	Lambert, Tom	1077 16th St., Oakland, Cal	750
6KB	Lankston, Jesse M	152 Ohio Ave., Sawtelle, Cal	1,000
6SL	Leach, Stanley P	2049 10th Ave., Oakland, Cal	495
6LE	Lee, Daniel	2259 Green St., San Francisco, Cal	250
6TM	Lee, Howard R	1580 Grove St., San Francisco, Cal	500
6VO	Lee, John A	134 N. Johnston St., Los Angeles, Cal	1,000
6IZ	Leeper, Ernest W	648 4th St., San Bernardino, Cal	1,000
6EL	Le Fevre, Eugene	243 Boniview Ave., San Francisco, Cal	100
6WL	Le Fevre, Eugene Leland, Wallace H Linhoff, Harold R	912 Indian Rock Ave., Berkeley, Cal	1,000
6HL	Linhoff, Harold R	416 Winona Ave., Pasadena, Cal	250
6UI	Lindsay, Edward G	1145 Brunswick St., San Francisco, Cal	500
6AAJ	Linville, Charles R	307 N. Curtis Ave., Alhambra, Cal	50
6VX	Looe, William V	3012 Western Ave., Los Angeles, Cal	220
6PU	Lordge, Albert	931 Jefferson St., San Jose, Cal	250
6LO	Lory, C. S.	3839 7th St., San Diego, Gal	25
6VD	Loudon, Donald F	2272 4th St., San Diego, Cal	45
6LQ	Lowe, Sarn K	2272 4th St., San Diego, Cal	1,000
6CP	Lowe, William E	1300 Garfield Ave., South Pasadena, Cal.	500
6AAL	Lyon, John D	Altadena, Cal	500
6SF	Mack, S. Franklin	541 Pine Ave., Pacific Grove, Cal	500
6MV	MacMullen, Gerald	2231 1st St., San Diego, Cal	200
6GQ	Magee, Clark.	854 E. 47th St., Los Angeles, Cal	330
6MX	Magill, Clyde E	E 6th St. Ontario Cal	200
6MN	Maher, Edward T	E. 6th St., Ontario, Cal	250
6EQ	Maher, Zacheus J	2211 Hayes St., San Francisco, Cal	476
6AAD	Mahn, Erich G	29 Saturn St., San Francisco, Cal	30
6BR	Manasse, Mervyn H	618 Franklin St., Napa, Cal	30
6WT	Mann, Frank W	Saratora Cal	18
6НМ	Mansfelt, J. Harold	Saratoga, Cal	
6EM	Marlin, Evan S	Capitola, Cal.	
60X	Martin, Andrew W., jr	Capitola, Cal	500
6KS	Martin, Neal D	2018 Delaware St., Berkeley, Cal	
6LM	Martinelli, Lloyd A	1512 Shrader St., San Francisco, Cal	50
6CU	Maskey, Franklin E	822 E. 33d St., Los Angeles, Cal	30
6BO	Mattoon, Stanley F	San Carlos, Cal	30
6IM	Mateuda, Fukuzo	2921 Pine St., San Francisco, Cal	500
6MA	Max, Charles A	Morrill Road, San Jose, Cal	500
6UW	Maynes, Walter W	207 Hugo St., San Francisco, Cal	225
6LK	McCargar, Lincoln	1413 16th St., Oakland, Cal	1,000
60A	McCartney, George	4226 Brighton Ave., Los Angeles, Cal	250
6CF	McClatchy, George McClatchy, Keith McCleery, Ralph A	4226 Brighton Ave., Los Angeles, Cal Hawthorne and Ivy Sts., Inglewood, Cal	1,000
6IU	McCleery, Ralph A	3435 Eagle St., Los Angeles, Cal	1,000
6IX	McCreery, Maurice E	700 W. 32d St., Los Angeles, Cal	440
6PY	McCullough, Harold	San Fernando, Cal	250
6PJ	McDonald, Byron C	85 S. El Molino St., Pasadena, Cal	1,000
6TO	McFern, Arthur L	1652 Berendo St. Los Angeles Cal	500
6JL	McGiffin, James	1652 Berendo St., Los Angeles, Cal 2835 Vallecito Pl., Oakland, Cal	220
6MC	McGown, Dudley B	1247 47th Ave., San Francisco, Cal	500

Amateur Radio Stations—Sixth District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Watts.
6HJ	McIntoch, Harold St. J	249 Bixel St., Los Angeles, Cal	500
6MM	McKay, Malcolm D	1635 Grant St., Berkeley, Cal	50
6MZ	McKimmins, Mark	849 Laurel St., Alameda, Cal	500
6RM	McLaughlin, Richard A.	420 5th Ave., San Francisco, Cal	50
6FM	McNabb, Floyd R	1886 Harmon St., Berkeley, Cal	880
6MR	McRoberts, Lewis H	3960 Elm St., San Diego, Cal	50
6DJ	Merritt, Lawrence G	252 Clinton St., Pasadena, Cal	60
6ЛМ	Michaels, Joe G	327 7th St., Richmond, Cal	5
6NV	Midgley, Roland	Menlo Park, Cal	. 5
6IA	Miles, Frederick F	1811 Encinal Ave., Alameda, Cal	25
6QY	Miley, Jerome	585 Bellefontaine Ave., Pasadena, Cal	25
6KT	Miller, Walter G	18 Hester Ave., San Jose, Cal	20
6KJ			i.i.
	Mills, Eldon C	425 Orchard St., San Jose, Cal	
6MI	Mirsky, Sylvian S	1834 McAllister St., San Francisco, Cal	50
6BE	Mitchell, John C	Mark West, Cal	1 42
6AI	Mooers, Ernest	155 N. 9th St., San Jose, Cal	1,000
6BI	Moore, Ezra	108 11th St., Redlands, Cal	50
6MO	Moore, Leon A	3961 Juniper St., San Diego, Cal	10
6CM	Moore, Paul	116 Berkeley Way, Whittier, Cal	50
6PP	Mora, Frank S	306 12th St., Oakland, Cal	1,000
6SS	Morrow, James W	389 63d St., Oakland, Cal	1,000
6WM	Morse, Willard A	416 E. 7th St., Oakland, Cal	50
6VY	Morton, J. Walter	610 Belleiontaine Ave., Pasadena, Cal	22
6WO	Mulford, Walter F	3900 Geary St., San Francisco, Cal	37
6MU	Murray, Donald W Nelson, Martin A	70 Eureka St., Pasadena, Cal	12
6QG	Nelson, Martin A	65 Alverado St., San Leandro, Cal	1,00
6NB	Neumann, Edward R	2 Mastick Ter., Alameda, Cal	50
6NE	Newbould, C. Percy	351 26th St., San Diego, Cal	
6HQ	Newton, Henry G	5th St. and Bay Blvd., Coronado, Cal	8
6KŇ	Nicholson, Knox W	721 17th St., Oakland, Cal	
6NA	Nielsen, Anders	849 Athens Ave., Oakland, Cal	200
6OR	Nielsen, Fred	136 Caine Ave., San Francisco, Cal	35
6NI	Nilli, Emil	34 Hester Ave., San Jose, Cal	6
6HA	Niver, Henry A	618 E. Center St., Anaheim, Cal	66
6SD	Northon, Selden	385 61st St., Oakland, Cal	1,00
6RN	Norton, Russell	825 1st St., Napa, Cal	2,00
6AW	Nosler, Claud E	228 University St., Healdsburg, Cal	500
6PT	Nulsen, William B	545 San Benito St., Los Angeles, Cal	4
6BC	Oldham, William G., jr	720 Mendocino Ave., Santa Rosa, Cal	12
6OB	Oliver, Leslie R	1116 N. Catalina Ave., Pasadena, Cal	27
6LJ		1433 J St., Eureka, Cal.	1,000
6HO	Olmstead, William H		1,00
6BZ	Olschefsky, Henry H	283 Ney St., San Francisco, Cal	
	O'Neill, Frank J. M	1423 Oxford St., Berkeley, Cal	1,00
6UQ	Osborne, Butler D	153 6th Ave., San Francisco, Cal	50
6OY	Oyarzo, Ben	343 49th St., Oakland, Cal	22
6HP	Pampinella, Harold	1755 Hayes St., San Francisco, Cal	5
6TK	Parker, Paul V	490 Geary St., San Francisco, Cal	50
6GK	Parkin, Gladys K	22 Terradillo Ave., San Rafael, Cal	
6LV	Passage, Raye L	1966 Bonita Ave., Los Angeles, Cal	
6PA	Pattison, Alexander	3881 Telegraph Ave., Oakland, Cal	
6VG	Patton, Claude W	195 Hill Ave., Pasadena, Cal	
6DG	Patton, Nelson	194 N. El Molino Ave., Pasadena, Cal	
6JV	Paul, Jack	184 Edgewood Ave., San Francisco, Cal	2
6PN	Pearson, Harry	1015 W. 78th St., Los Angeles, Cal	25
6SP	Peck, C. Sherman	1033 Cole St., San Francisco, Cal	2
6OL	Petersen, Odin T	490 E. 48th St., Los Angeles, Cal	22
6FP	Peterson, Frank E	2615 Virginia St., Berkeley, Cal	25
6CD	Peterson, Walter	2177 W. 29th Pl., Los Angeles, Cal	44
6LW	Phelps, Allen G	611 E. 17th St., Santa Ana, Cal	I
6TD	Phelps, Carl A		

Amateur Radio Stations—Sixth District—Alphabetically by Owners of Stations—Continued.

Call signal,	Owner of station.	Location of station.	Power.
11			Watts.
6KH	Philippi, Charles E	3467 E. 5th St., Los Angeles, Cal	250
6MK	Phillips, Manuel	1050 Cotton St., East Oakland, Cal	1,000
6IV	Pierson, Walter Pinard, Vivian E	Walnut Creek, Cal	500
6AE	Pinard, Vivian E	505 San Salvador St., San Jose, Cal	20
6RP	Pittman, Roy F	1001 N. Pacific Ave., Glendale, Cal	1,000
6UO	Polkinghorn, Frank A	180 W. Date St., Riverside, Cal	150
6AO	Portal, Emile A	142 Vine St., San Jose, Cal	32
6GP	Post, George W	7151 Lyon St., San Francisco, Cal	15
6CR	Potter, Lee Roy Powell, Meade W	Maple and Spadra Sts., Fullerton, Cal	990
6BF	Powell, Meade W	Cole Bldg., Warren, Ariz	263
6NW	Pressley, Jackson H	Cole Bldg., Warren, Ariz	275
6PR	Preston, Alva W	Euclid Ave., Garden Grove, Cal	22500
6Q0	Preston, Harold		250
6PD	Pridham, Bertrand	Hayward, Cal 885 Randolph St., Pomona, Cal	1,000
6DV	Prosser, Norman I	R. F. D. No. 2, Pasadena, Cal	990
6RV	Querolo, Louis	892 Isabella St., Oakland, Cal	250
6TQ	Quiteow, Chauncey M	2971 Locan Ava San Diago Cal	
6UB	Par Goorge	2871 Logan Ave., San Diego, Cal	500
	Ray, George	600 7th Ave. Son Emperior Col	330
6UV	Reed, Carroll F	683 7th Ave., San Francisco, Cal	495
6PL	Reilly, John F	2425 94th Ave., Oakland, Oal	240
6SG	Reiner, Rudolf	155 Front St., Santa Cruz, Cal	1,000
6UR	Richards, Hugh F	Hughson, Cal	250
6RQ	Richardson, Charles, jr	406 W. 28th St., Los Angeles, Cal	20
6EB	Richardson, Charles, jr	Hughson, Cal	330
6JP	Richardson, Leslie	558 Unenery St., San Francisco, Cai	384
6RI	Richman, Clinton	541 W. Commonwealth St., Fullerton, Cal.	1,000
6RZ	Riese, Paul E	302 San Jose Ave., Los Gatos, Cal	300
eux	Riley, William M	302 San Jose Ave., Los Gatos, Cal	330
6FR	Rodgers, Frank	82 Echo Ave., Oakland, Cal	
6NK	Roehrig, Russell S	501 S. Oakland Ave., Pasadena, Cal	500
6PE	Rogatsky, Carl H	526 16th St., San Diego, Cal	250
6BT	Rogers, Henry J	Vacaville, Cal	30
6BD	Rogers, Stuart De Witt	312 Orange St., Santa Rosa, Cal	200
6VH	Root, John Rose, George E	710 Pacific Ave., San Pedro, Cal	330
6GN	Rose, George E	105 Grattan St., San Francisco, Cal	250
6RO	Roussin, Cecil J	364 Lincoln Ave., Pasadena, Cal	
6RU	Rowley, Burton H	202 Cypress Ave., Santa Ana, Cal	1,000
6HR	Royden, Herbert N., jr	311 Ellsworth Ave., San Mateo, Cal	1,000
6GR	Rucker, George A	2639 Grant St., Berkeley, Cal	500
6ĔÜ	Dumble Funcet	114 G St., Napa Cal	250
6DR	Sandham, Bert E Saveker, William T	1122 W. 55th St., Los Angeles, Cal	300
6MP	Saveker William T	1156 Park Ave., San Jose, Cal	25
6IS	Sawyer, Irving W	Capitola, Cal	20
6H8	Schade, Henry	15 Bennington St., San Francisco, Cal	180
6ES		3118 Stillson Ave., Sacramento, Cal	550
6QS	Schaefer, Carl Schafer, Frank		250
		336 Forrest St., Oakland, Cal	550
60S	Scheidemantel, Oscar A.	823 E. 28th St., Los Angeles, Cal	
6VT	Schleicher, Lorenz D Schneider, Tony	2728 E. 2d St., Los Angeles, Cal	500
6TS	Schneider, Tony	424 20th Ave., San Francisco, Cal	24
6WS	Schneider, William P Schroder, Harold L	2716 22d St., Fruitvale, Cal	15
68C	Schroder, Harold L	666 53d St., Oakland, Cal	250
6QZ 6EA	Schwartz, Sylvain A Seefred, Howard C. and Lyndon F.	1726 Sutter St., San Franciso, Cal	1,000 250
6TF	Seely, Frank	2615 Etna St., Berkeley, Cal	500
6CT	Saidal William F	2717 Brighton Ave Inc Angeles Cal	500
	Seidel, William E	2717 Brighton Ave., Los Angeles, Cal	60
6QI	Seidl, Alexander	3252 Prentiss St., Oakland, Cal	
6NT	Selby, Charles J	3316 Market St., Oakland, Cal.	500
6SE	Serex, John F	1820 Central Ave., Alameda, Cal	100 500
6UU	Shaffner, Lucius	1320 Illinois St., Los Angeles, Cal	

Amateur Radio Stations—Sixth District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Watte
6UN	Shaw, William A	924 26th St., San Diego, Cal	550
6SH	Shippam, Cecil H	3939 I St., San Diego, Cal	330
6FS	Short, Frank A	846 Walnut St., Riverside, Cal	270
6KO	Short, Ralph R	160 Dearborn St., Pasadena, Cal	1, 000
	Silvershield, Bernhard J.	832 W. 92d St., Los Angeles, Cal	36
6JS	Cimpos Albort W		
6AX	Simney, Albert W	300 Joaquin Ave., San Leandro, Cal	275
6VR	Sisson, Waldo L	229 S. Cummings St., Los Angeles, Cal	550
6SK	Skaale, Arthur J	2937 Martinez Ave., Berkeley, Cal	250
6LZ	Slaght, Edward L	752 S. 9th St., San Jose, Cal	180
6LS	Smelser, Laurel J	318 2d St., Napa, Cal	500
6SM	Smith, Hazel P	138 Wilshire St., Fullerton, Cal	250
6SX	Smith, Jesse A	1853 E. 53d St., Los Angeles, Cal	100
6QH	Smith, Marion R	Calaveras St., Pasadena, Cal	500
6NC	Smith, Norman E	115 I Ave., Coronado, Cal	
6TV	Soprano, Anthony	245 Clement St., San Francisco, Cal	250
6AS	Soules, Ernest H	75 Bush St., San Jose, Cal	18
6TG	Speir, Godfrey B	2731 Dwight Way, Berkeley, Cal	500
6GI	Spelt, George S	539 Day St., San Francisco, Cal	500
60E	Spence, Victor J	415 Bartlett St., San Francisco, Cal	50
6OJ	Spencer, Oscar J	35 Douglass St., San Francisco, Cal	90
6QA	St. Sure, Pettes	1209 La Fayette St., Alameda, Cal	300
6ŤY	Standiford, Vaughn H	382 Central Ave., Pacific Grove, Cal	550
6JR	Stauffer, John	601 Broderick St., San Francisco, Cal	250
6CO	Storm, Hans O	707 W. Broadway, Anaheim, Cal	495
6CJ	Stowe, Theodore E	41st Ave., Capitola, Cal	60
6GH	Stricker, George H., jr	1411 Oxford St., Berkeley, Cal	500
6SZ	Strong, Stuart E	268 Jayne St., Oakland, Cal	1,000
6WG	Strong, William A	721 Petaluma St., San Rafael, Cal	1,000
6SN	Sunderland, Arthur G	92 Mary St., Pasadena, Cal	990
6VB	Sundquist, Fred	2153 Albee St., Eureka, Cal	500
6SU	Sutherland, Clarence	2334 94th Ave., Oakland, Cal	990
6GS	Swartout, Glenn	1044 77th St., Los Angeles, Cal	500
6CV	Swinnerton, Kenneth	1242 W. 51st St., Los Angeles, Cal	275
6AAN	Sykes, Joseph	453 S. Hope St., Los Angeles, Cal	110
6EH	Taylor, Frank G	512 Oak St., San Francisco, Cal	100
6HX	Taylor, Howard L	394 15th St., San Pedro, Cal	330
6HI	Tessien, Henry	2929 Octavia St., Oakland Cal	220
6TX	Thacker, Roy M	931 Concord St., Los Angeles, Cal	800
6HT	Thayer, Halsey	2123 Oak St., Los Angeles, Cal	440
6TA	Thompson, Harold P	101 Rivoli St., San Francisco, Cal	500
6JT	Tibbitts, Jonathan C	1246 St. Charlee St., Alameda, Cal	1,000
6GT	Timmermann, Gustave	256 California Ave., San Francisco, Cal	160
6TT	Tournat, Thomas	Garden Grove, Cal	250
6KG	Tripp, Dwight K	933 Gramercy Drive, Los Angeles, Cal	250
6AY	Tuggy, Arthur W	1289 Lemon St., Riverside, Cal	188
6FZ	Uhl, Fred, jr	436 S. Church St., Visalia, Cal	1,000
6DT	Underwood, Ernest G	Commercial St., Inglewood, Cal	250
6HU	Unger, Harry J	228 Grattan St., San Francisco, Cal	50
6JQ	Valentin, H	Fort St., Honolulu, Hawaii	500
6KÅ		Kaimuki St., Honolulu, Hawaii	250
6AB	Valentin, H Valentine, Philip C	246 Perry St., Oakland, Cal	425
6GL	Van Auken, George L.	McKee and Jackson Sts., San Jose, Cal	720
6LN	Van Cleave, Louis V	325 S. Flower St., Los Angeles, Cal	250
6OP	Van Horn, Kenneth	1457 E. 50th St., Los Angeles, Cal	60
6NH	Van Liew, Samuel C	825 Main St., Long Beach, Cal	100
6GV		22 Franklin St., Santa Cruz, Cal.	990
	Van Wagner, George	9295 Recodway Ashland Cal	800
6KU	Vaughan, J. H	2325 Broadway, Oakland, Cal	
6SV	Verney, Stanley S	406 Grand Blvd., San Mateo, Cal	216
6DF	Vogeley, Herbert H	341 Chestnut Ave., Long Beach, Cal	20

Amateur Radio Stations—Sixth District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Power
			Watts.
6VK	von Konigsberg, Charles.	1044 E. 15th St., Oakland, Cal	2
6BA	Wadsworth, Claude E	468 Matheson St., Healdsburg, Cal	250
600	Walden, Myran	1050 48th St., Oakland, Cal	600
6OC	Wallace, Donald C	1431 Linden Ave., Long Beach, Cal	150
6IG	Wallace, Edward A	156 Water St., Santa Cruz, Cal	1,000
6VV	Wallace, Forrest P	120 S. Monterey St., Alhambra, Cal	220
6CL	Walters, Clarence O		350
6KQ	Ward, Charles D	4326 Grand Ave., Los Angeles, Cal	250
6TJ		2026 Center St., Berkeley, Cal	250
	Warner, Stafford W	1829 West St., Oakland, Cal	
6RR	Waterman, Russell R	4561 38th St., San Diego, Cal.	80
6QW	Waters, John E	2642 Baycroft Way, Berkeley, Cal	1,000
6WW	Webb, Walter R	700 E. 47th St., Los Angeles, Cal	50
6CS	Webber, Franklin C	632 N. Bunker Hill Ave., Los Angeles, Cal.	750
6CI	Weber, Anton M	252 W. 43d St., Los Angeles, Cal	350
6WE	Weddell, Clarence C	553 Willis Ave., San Jose, Cal	
6RW	Weisbrod, Raymond H	314 Lucas Ave., Los Angeles, Cal	250
6OW	Welling, Orville E	582 58th St., Oakland, Cal	550
6PX	Welsch, Louie	R. F. D. No. 1, Visalia, Cal.	1,000
6JE	Welsh, Joseph E	55 Eureka St., Pasadena, Cal	60
6EY	Werner, Edward A	2313 9th St., West Berkeley, Cal	1,000
6GW	Werner, George W., jr	3039 Adeline St., Berkeley, Cal	250
6DK	Wescott, Laurence M	Ocean Beach, Cal	50
6PW	Weymouth, Percy E	1916 Woolsey St., Berkeley, Cal	1,000
6DX	Wheelock, Charles D	1235 Lemon St., Riverside, Cal	6
6UX	Whidden, Ira P	47-A Homestead Rd., Santa Clara, Cal	150
6AF	White, Clarence E	3024 Blossom St., Fruitvale, Cal	1,000
6VA	White, G. Richard	435 Oakland Ave., Pasadena, Cal	250
6FT	Wiese, Fred T	4174 17th St., San Francisco, Cal	500
6RL	Wiley, Ralph W	1250 26th Ave., San Francisco, Cal	500
6AAM	Willey, Oscar F	292 King St., Santa Cruz, Cal.	250
6WV			30
6GX	Williams, Creah	228 E. San Carlos St., San Jose, Cal	
	Williams, George F	2700 High St., Oakland, Cal	500
6UG	Williams, Tom A	421 7th St., San Pedro, Cal	330
6BH	Williamson, Harry	10 S. Church St., Redlands, Cal.	30
60G	Willis, Fred S	2140 California St., Eureka, Cal	2
6QB	Wilmot, Allen G	2114 3d Ave., Los Angeles, Cal	500
6NP	Wilson, J. Vernon	3847 6th St., San Diego, Cal.	2
6ME	Wilson, Maurice E	431 E. Victoria St., Santa Barbara, Cal	1,000
6VZ	Winser, Lindley	200 22d St., Bakersfield, Cal	440
6IT	Winship, Leslie W	4820 Jackdaw St., San Diego, Cal	(
6MW	Wood, Melvin S	5101 S. Main St., Los Angeles, Cal	1,000
6AK	Wright, John W	657 Asbury St., San Jose, Cal	30
6QR	Wright, Melvin H	241 18th St., Richmond, Cal	128
6WU	Wulbern, Henry	1720 Nason St., Alameda, Cal	660
6EI	Young, Bert C	1401 W. 9th St., Los Angeles, Cal	550
6WY	Young, William H	829 E. 18th St., Oakland, Cal	250
6EW	Zahniser, Charles L	320 Lexington Ave., Rust, Cal	10000
6MQ	Zangraft, Thomas J	479 Cypress St., Pasadena, Cal	990
		-10 OJ P-000 Duly & municipality Continues	50

ALPHABETICALLY BY CALL SIGNALS.

Call signal.	Owner of station.	Call signal.	Owner of station.	
6AAB 6AAC 6AAD	Aster, Alvin K. Hemenway, Clyde C. Heaney, Clarence M. Mahn, Erich G.	6AAG	Garcia, David. Collins, Wayne A. Gilbert, Phillip H. Gilstrap, L. Frederick.	

54773°-14--9

Amateur Radio Stations—Sixth District—Alphabetically by Call Signals—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
6AAI	Gregory, Merle M.	6CG	Harty, Courtenay E.
6AAJ	Linville, Charles R.	6CH	Haun, John K.
6AAK		6CI	
6AAL	Green, Carl B., jr. Lyon, John D.	∥ 6CJ	Weber, Anton M. Stowe, Theodore E.
6AAM	Willey Occar F	6CK	Kinsel, Charles M.
6AAN	Willey, Oscar F. Sykes, Joseph.	6CL	Walters, Clarence O.
6AAO	Alexander Willard B	6CM	Moore, Paul.
6AB	Alexander, Willard B. Valentine, Philip C.	6CO	Storm Hans O
6AC	Conwell Cohort	6CP	Storm, Hans O. Lowe, William E.
6AD	Capwell, Cebert. Childs, Ralph S.	∥ 6CQ	Hanson, Earl C.
6AE		6CŘ	Potter, Lee Roy.
6AF	Pinard, Vivian E. White, Clarence E.	6CS	Webber, Franklin C.
6AG		6CT	Seidel, William E.
6AH	Chamberlain, Leon H.	6CU	Moskov Franklin F
6AI	Kessel, James H.	6CV	Maskey, Franklin E.
6AJ	Mooers, Ernest.	6CX	Swinnerton, Kenneth.
6AK	Bean, James.	6CY	Frunk, Carl G.
6AL	Wright, John W.	6CZ	Cooper, Charles P.
6AM	Brandis, Fred A.	0CZ	Everard, Charles E.
6AN	Buckley, Ernest V. Guidotti, W. F.	6DA	Drown Palph F
	Dortol Frails A		Brown, Ralph E.
6AO	Portal, Émile A.	6DC	Hibbard, Charles H., jr.
6AP	Brown, Victor.	6DD	Clark, Victor M.
6AQ	De La Cruz, George.	6DE	Curtis, Burbank.
6AR	Greenquist, Elmer A.	6DF	Vogeley, Herbert H. Patton, Nelson.
6AS	Soules, Ernest H.	6DG	Crimes W. Essel
6AU	Clark, Paul U.	6DH	Grimes, W. Frank.
6AW	Nosler, Claud E.	6DI	Cookson, Howard A.
6AX	Simney, Albert W.	6DJ	Merritt. Lawrence G.
6AY 6AZ	Tuggy, Arthur W.	6DK	Wescott, Laurence M.
OAZ	Downing, Alan S.	6DL 6DM	Espe, Oliver E.
ed a	Wadamanth Claude F		Archer, Robert P.
6BA 6BC	Wadsworth, Claude E.	6DP 6DQ	Grundell, Hubert.
6BD	Oldham, William G., jr.	6DŘ	Holmes, Joseph J.
6BE	Rogers, Stuart De Witt. Mitchell, John C.	6DS	Sandham, Bert E.
6BF	Powell Mondo W	6DT	Adams, Charles C. Underwood, Ernest G.
6BG	Powell, Meade W.	6DV	
6BH	Grates, John.	6DW	Prosser, Norman I.
6BI	Williamson, Harry. Moore, Ezra.	6DX	De Wald, Alfred S. Wheelock, Charles D.
6BJ	Edwards, Lewis W.	6DZ	Caldwell, Duncan K.
6BK		002	Cardwell, Duncan K.
6BL	Frost, William H. Kather, Karl E.	6EA	Seefred, Howard C. and Lyn-
6BM	Godwin, Merle H.	ULA	don F.
6BO	Mottoon Stanley F	6EB	
6BP	Mattoon, Stanley F.	6ED	Richardson, Charles, jr.
6BQ	Bauer, Roy M.	6EE	Flinspach, J. Henry.
6BŘ	Baer, Charles M.	6EG	Griffin, Clyde S.
6BS	Manasse, Mervyn H.	6EH	Aten, Arthur B.
6BT	Davidson, G. Edward.	6EI	Taylor, Frank G.
6BV	Rogers, Henry J. Drake, Charles.	6EJ	Young, Bert C.
6BW	Unde Stanley F	6EK	Bean, Arthur E.
6BX	Hyde, Stanley E.	6EL	Eiferle, Chrissie.
6BZ	Barrett, Eldridge D. O'Neill, Frank J. M.	6EM	Le Fevre, Eugene.
שעט	O Nem, Flank J. M.		Marlin, Evan S. de Neuf, Emil A.
6CA	Cowby Grant W	6EN	Ricks Albert W
6CB	Corby, Grant W.	6EO 6EP	Blake, Albert W.
6CC	Fisher, Frank L.		Davis, Elwood.
	Hilleary, Frank J.	6EQ 6ER	Maher, Zacheus J.
6CD 6CE	Peterson, Walter. Kilto, Carl.	6ES	Bailey, Cecil. Schaefer, Carl. Fenner, Paul R.
	INICO, USHI.	II OEGO II	DUMBUT, VAII.

Amateur Radio Stations—Sixth District—Alphabetically by Call Signals—Continued.

Callsignal.	Owner of station.	Call signal.	Owner of station.
6EU	Rumble, Ernest.	6HF	Flenner, Harry A.
6EW	Zahniser, Charles L.	6HI	
			Tessien, Henry.
6EX	King, William E.	6HJ	McIntosh, Harold St. J.
6EY	Werner, Edward A.	6HK	Krauter, Howard R.
6EZ	Christie, A. Edwin.	6HL	Linhoff, Harold R.
		6 HM	Mansfelt, J. Harold.
6FA	Arnberger, Frank, jr.	6HN	Heinz, Albert.
6FB	Farlinger, Ernest.	6 H O	Olschefsky, Henry H.
6FC	Carey, Francis K.	6HP	Pampinella, Harold.
6FD	Deardorf, Francis H.	6HQ	Newton, Henry G.
6FE	Felt, Clarence J.	6HŘ	Poudon Horbort N in
			Royden, Herbert N., jr.
6FG	Granger, Floyd.	6HS	Schade, Henry.
6FH	French, Donald K.	6HT	Thayer, Halsey.
6FI	Eveleth, Harlan A.	6 H U	Unger, Harry J.
6FJ	Barnum, Coit L.	6HV	Ferrill, Herbert E.
6FK	Frank, Walter.	6HW	La Barre, Harold J.
6FL	Faneuf, Forrest E.	6HX	Taylor, Howard L.
6FM	McNabb, Floyd R.	6HY	Ebeling, Hyde S.
6FO	Fones, Robert.	6HZ	Hoffman, Harold H.
		0112	Homman, Harold II.
6FP	Peterson, Frank E.	07.4	V(1) - D 1 1 . D
6FQ	Holt, Felix.	6IA	Miles, Frederick F.
6FR	Rodgers, Frank.	6IC	Austin, Russell F.
6FS	Short, Frank A.	6IE	Chambers, James.
6FT	Wiese, Fred T.	6IF	Farwell, Ivyn.
6FU	Bergstrom, R. Bernard.	6IG	Wallace, Edward A.
6FV	Brockett, Charles.	6IH	Hazleton, Ralph L.
6FX	Cross, Fred M.	6II	Fermen E Franklin
6FY	Buell Clarence P	6IJ	Ferguson, E. Franklin. Boehme, Herbert L.
	Buell, Clarence R.		Moderate, Herbert L.
6FZ	Uhl, Fred, jr.	6IM	Matsuda, Fukuzo.
		610	Buchanan, Roy J.
6GA	Garratt, Edward D.	6IQ	Cornell, Ezra B.
6GB	Bowlus, Glen H.	6IR	Irey, Earl R.
6GC	Hall, Gordon V.	6IS	Sawyer, Irving W.
6GD	Day, Elwin C.	6IT	Winship, Leslie W.
6GE	Gerlach, William G.	6IU	McCleery Ralph A
6GF	Farmer, Gordon.	∥ ĕĨV	McCleery, Ralph A. Pierson, Walter.
			Kreiss, Rudolph L.
6GG	Gildersleeve, Given.	6IW	
6GH	Stricker, George H., jr.	6IX	McCreery, Maurice E.
6GI	Spelt, George S.	6IZ	Leeper, Ernest W.
6GJ	Gaugh, H. E. F.		
6GK	Parkin, Gladys K.	∥ 6JA	Janes, Charles V.
6GL	Van Auken, George L.	6JB	Brown, Julian T.
6GN	Rose, George E.	6JC	Chase, John H.
6GO	Goss, William M.	6JE	Welsh, Joseph E.
6GP	Post, George W.	6JF	Forsburg, Joe A.
		6JG	Gould, Gordon.
6GQ	Magee, Clark.		Rower Charles A
6GR	Rucker, George A.	6JH	Berry, Charles A.
6GS	Swartout, Glenn.	6JI	Jackson, Chester M.
6GT	Timmermann, Gustave.	6JJ	Jessup, John H.
6GU	Gurnette, Bernard A.	6JK	Klemgard, James G.
6GV	Van Wagner, George.	6JL	McGiffin, James.
6GW	Werner, George W., jr.	∥ 6ЈМ	Michaels, Joe G.
6GX	Williams, George F.	600	Johnson, Clarence N.
6GZ	Edgar, George P.	6JP	Richardson, Leslie.
UUL	rugar, Goorge F.	∥ QTA	Valentin H
	Minne Warms A	6JQ	Valentin, H.
6HA	Niver, Henry A.	6JR	Stauffer, John.
6HB	Baker, Harry G.	6JS	Silvershield, Bernhard J.
6HC	Craig, Harold F.	6JT	Tibbitts, Jonathan C.
6HD	Dickow, Henry.	6JU	Fisher, Jules.
6HE	Eastling, Harvey.	6JV	Paul, Jack.

Amateur Radio Stations—Sixth District—Alphabetically by Call Signals—Continued.

Callsignal.	Owner of station.	Call signal.	Owner of station.
6JW	Gastman, Henry.	6ME	Wilson, Maurice E.
6JX	Riley, William M.	6MF	Aymar, Clarence A.
6ЈҮ	Browne, G. R. A., jr.	6MG	Glindemann, Melvern.
6JZ	Charters, John R.	6MI	Mirsky, Sylvian S.
-		6MJ	Mirsky, Sylvian S. Jones, Myron A.
6KA	Valentin, H.	6MK	Phillips, Manuel. McKay, Malcom D. Maher, Edward T. Moore, Leon A.
6KB	Lankston, Jesse M.	6MM	McKay Malcom D
6KC	Dinley, Laurence J.	6MN	Mahar Edward T
6KD	Dutton Kingsley	6MO	Moore Leon A
6KE	Dutton, Kingsley. Dogan, Kenneth D.	6MP	Saveker William T
6KF	Filhen Frank		Saveker, William T. Zangraft, Thomas J.
6KG	Filben, Frank. Tripp, Dwight K.	6MQ 6MR	McRoberts, Lewis H.
6KH	Philippi, Charles E.	6M8	Carson, E. A.
6KI	Vignort Charles H	6MT	Berringer, Hall.
6KJ	Kispert, Charles H. Mills, Eldon C.	6MU	Muzzay Donald W
6KK	Kingoid Konnoth		Murray, Donald W. MacMullen, Gerald.
6KM	Kincaid, Kenneth.	6MV	
6KN	Everett, J. Victor. Nicholson, Knox W.	6MW 6MX	Wood, Melvin S. Magill, Clyde E.
6KO	Short Dalph D	6MY	Tohnston Robert
6KP	Short, Ralph R.		Johnston, Robert.
OKU	Heagney, Elmer D. Ward, Charles D.	6MZ	McKimmins, Mark.
6KQ 6KR	Conton Hugh	6NA	Nielson Anders
6KS	Center, Hugh.		Nielsen, Anders.
	Martin, Neal D. Miller, Walter G.	6NB	Neumann, Edward R.
6KT	Willer, Walter G.	6NC	Smith, Norman E.
6KU	Vaughan, J. H.	6ND	Breck, F. Bon.
6KW	Fisk, Alfred C.	6NE	Newbould, C. Percy.
6KX	Jones, Walter.	6NF	Hillier, H. H.
6KY	Andrews, Harold S.	6NG	Gerlach, Leonard.
6KZ	Beaver, Gerald A.	6NH	Van Liew, Samuel C.
	5 1	6NI	Nilli, Emil.
6LA	Blochman, Lawrence G.	6NJ	Cunningham, Edward J.
6LB	Barton, Larry J.	6NK	Roehrig, Russell S. Horton, Stephen E.
6LC	Comins, Frank L.	6NL	Horton, Stephen E.
6LD	Anderlini, Louis J.	6NM	Eidemiller, Charles H. Donaldson, Ernest S. Wilson, J. Vernon.
6LE	Lee, Daniel.	6NO	Donaldson, Ernest S.
6LF	Alexander, Lee.	6NP	Wilson, J. Vernon.
6LG	Gianini, Leo G.	6NQ	Francis, Ernest R.
6LH	Hunt, Lloyd F.	6NR	Johnson, J. William.
6LI	Isaacs, Louis R.	6NT	Selby, Charles J.
6LJ	Olmstead, William H.	6NU	Adkins, Edward S.
6LK	McCargar, Lincoln. Griffith, William M.	6NV	Midgley, Roland.
6LL	Griffith, William M.	6NW	Midgley, Roland. Pressley, Jackson H. Calvert, Paul P.
6LM	Martinelli, Lloyd A.	6NX	Calvert, Paul P.
6LN	Van Cleave, Louis V.	6NY	Carron, Elvin K.
6LO	Lory, C. S.	6NZ	Emmerling, Herbert J.
6LP	Gray, Clifford.		
6LQ	Lowe, Sara K.	6OA	McCartney, George.
6LR	Guenther, Leo H.	 6OB	Oliver, Leslie R.
6LS	Smelser, Laurel J.	6OC	Wallace, Donald C.
6LT	Downs, La Roy.	6OD	Cook, John A.
6LU	Hoffman, Lucien C.	∥ 6OE	Spence, Victor J. Doty, Arthur H.
6LV	Passage, Kaye L.	6OF	Doty, Arthur H.
6LW	Phelps, Allen G.	6OG	Willis, Fred S.
6LX	Berlin, Latham.	60H	Bull, Harold F.
6LY	Ladley, William A.	6OI	Dawson, J. Percy.
6LZ	Slaght, Edward L.	60 J	Spencer, Oscar J.
	J .,	60K	Dillon, Lyle.
6MA	Max, Charles A.	6OL	Petersen, Odin T.
6MB	Baden, Merle L.	60M	Kaufmann, Irwin.
6MC	McGown, Dudley B.	6ON	Germain, H.

Amateur Radio Stations—Sixth District—Alphabetically by Call Signals—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
600	Walden, Myran.	6QX	Baird, Maxfield A.
60P	Van Horn, Kenneth.	6QY	Miley, Jerome.
60Q	King, Clarance A.	ĕQZ	Schwartz, Silvain A.
60Ř	Nielsen, Fred.	ا عها	Converse, Sirvain 11.
6OS	Scheidemantel, Oscar A.	6RA	Brandt, Robert L.
60Ŭ	Eldredge, George E.	6RB	Brumter, Ralph.
60 V		6RC	Cook, J. Ralph.
60W	Doig, John H., jr.	6RD	
	Welling, Orville E.	6RE	Hogaboom, Raymond.
6OX 6OY	Martin, Andrew W., jr.	6RF	Esplen, Elmer R. Frier, Robert L.
60Z	Oyarzo, Ben.	6RG	
002	Burge, Walter M.	6RH	Downs, Robert.
6PA	Dottion Alamandan	6RI	Hare, Ralph M.
	Pattison, Alexander.	6RJ	Richman, Clinton.
6PB	Bradley, Philip L.		Jones, Russell B.
6PD	Pridham, Bertrand.	6RK	Kerns, Roy.
6PE	Rogatsky, Carl H.	6RL	Wiley, Ralph W.
6PF	Allen, Preston D.	6RM	McLaughlin, Richard A.
6PG	Gillmore, Purcell.	6RN	Norton, Russell.
6PI	Hyndman, Elmore.	6RO	Roussin, Cecil J.
6PJ	McDonald, Byron C.	6RP	Pittman, Roy F.
6PK	Kyes, Percy I.	6RQ	Richardson, Charles, jr. Waterman, Russell R.
6PL	Reilly, John F.	6RR	Waterman, Russell R.
6PM	Bolton, Harold B.	6RT	Cornish, Lester R.
6PN	Pearson, Harry.	6RU	Rowley, Burton H.
6PO	Drath, Walter J.	6RV	Querolo, Louis.
6PP	Mora, Frank S.	6RW	Weisbrod, Raymond H.
6PQ	Harvey, George C.	6RX	Gray, Harold G.
6PR	Preston, Alva W.	6RY	Bullard, Orlan K.
6PS	Henn, Charles W.	6RZ	Riese, Paul E.
6PT	Nulsen, William B.		/
6PU	Lordge, Albert.	6SA	Johnson, F. Kenneth.
6PV	Czapkay, Edward.	6SB	Bisson, Charles S.
6PW	Weymouth, Percy E.	6SC	Schroder, Harold L.
6PX	Welsch, Louie.	6SD	Northon, Selden.
6PY	McCullough, Harold.	6SE	Serex, John F.
6PZ	Brown, Robert L.	6SF	Mack, S. Franklin.
		6SG	Reiner, Rudolf.
6QA	St. Sure, Pettes.	6SH	Shippam, Cecil H.
6QB	Wilmot, Allen G.	6SI	Hoyt, Leander L.
6QC	Christensen, V. H.	6SJ	Indart, Carl A.
6QD	Adam, Carl F., jr.	6SK	Skaale, Arthur J.
6QE	Dodge, Earl E.	6SL	Leach, Stanley P.
6QF	Biber, Albert L.	6SM	Smith, Hazel P.
6QG	Nelson, Martin A.	6SN	Sunderland, Arthur G.
6QH	Smith, Marion R.	6SO	Bunting, Howard S.
6QI	Seidl, Alexander.	6SP	Peck, C. Sherman.
6QJ	Chamberlain, George E.	6SQ	Fonseca, Arthur.
6QK	Gill, Fred M.	6SS	Morrow James W
6QL	Barker, Waldo W.	6ST	Morrow, James W. Evans, Bryan.
6QM	Ensign, Millard J.	6SU	Sutherland, Clarence.
		6SV	Verney, Stanley S.
6QN 6QO	Abbott, Raymond B. Preston, Harold.	6SW	Anderson, Elroy E.
6QP	Beament, Thomas.	6SX	Smith, Jesse A.
eQC nAT		6SY	Carroll, Russell W.
	Finnell, Phillip S. Wright, Melvin H.	6SZ	Strong, Stuart E.
6QR	Cabatan Drant-	054	Duong, Dualt 12.
6QS	Schafer, Frank.	er a	Thompson Hamid D
6QT	Bennett, George S.	6TA	Thompson, Harold P. Boudinot, Truman E.
6QU	Floud, J. Harold.	6TB	Porminor, ruman p.
6QV	Echlin, Jack E.	6TC	Fisher, Thomas A.

Amateur Radio Stations—Sixth District—Alphabetically by Call Signals—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
6TE	Eisenhuth, Thomas V.	6VD	Loudon, Donald F.
6TF	Seely, Frank.	6VF	Falk, Victor H.
6TG	Speir, Godfrey B.	6VG	Patton, Claude W.
6TH	Hall, Thomas C.	6VH	Root, John.
6TI	Ichneon Molyarn I	6VI	Lambert, Tom.
6TJ	Johnson, Melvern L. Warner, Stafford W.	∥ 6VJ	Barbour, Joseph L.
6TK	Parker, Paul V.	6VK	
6TM		6VL	von Konigsberg, Charles. Kaiser, Erlin.
6TN	Lee, Howard R.	6VM	
6TO	Beckman, Philip E.	6VN	Anderson, Herbert E.
6TP	McFern, Arthur L.	6VO	Dorcy, Ben H., jr.
	Johnson, Harold M.		Lee, John A.
6TQ	Quitsow, Chauncey M. Farrell, Raymond.	6VP	Hancock, Hadys D.
6TR	rarreii, Kaymond.	6VQ	Benner, Bryan. Sisson, Waldo L.
6TS	Schneider, Tony.	6VR	Sisson, Waldo L.
6TT	Tournat, Thomas.	6VS	Bauman, Warren C.
6TV	Soprano, Anthony.	6VT	Schleicher, Lorenz D.
6TW	Davidson, Stanley E.	6VU	Vonderheide, Harold H.
6TX	Thacker, Roy M.	6VV	Wallace, Forrest P.
6TY	Standiford, Vaughn H.	6VW	Beraldo, Dewey.
6TZ	Harmon, Orville A.	∥ 6VX	Loos, William V.
		6VY	Morton, J. Walter.
6UA 6UB	Asadoorian, Theodore N. Ray, George.	6VZ	Winser, Lindley.
6UE	Kramer, Augustus A.	6WA	Anthon William E in
6UF		6WB	Anthes, William F., jr. Booth, Wilber C.
6UG	Kemp, Thomas J.	6WC	Cornish, Warren D.
6UH	Williams, Tom A.	6WD	Warrel D.
	Gates, Howard C.	6WE	Hemsley, Will.
6UI	Lindsay, Edward G.	6WF	Weddell, Clarence C.
	Delius, Herbert A.		Ford, Walter B.
6UK	Heald's Business College.	6WG	Strong, William A. Hill, William F.
6UL	Herzog, Aurelius.	6WH	Hui, William r.
6UM	Freeman, Elmer D.	6WI	Cusick, William J.
6UN	Shaw, William A.	6WJ	Bechtel, Warren, jr.
6UO	Polkinghorn, Frank A.	6WK	Koerber, Walter A.
6UP	Creswell, Frank, jr.	6WL	Bechtel, Warren, jr. Koerber, Walter A. Leland, Wallace H.
6UQ	Osborne, Butler D.	6WM	Morse, Willard A.
6UR	Richards, Hugh F.	6WN	Kelly, Wallace N.
6US	Gibson, Walter L.	6WO	Mulford, Walter F.
6UT	Everard, Charles E.	6WP	Donelson, William E., jr.
6UU	Shaffner, Lucius.	6WQ	Cowles, John.
6UV	Reed, Carroll F.	6WR	Bigler, Anson S.
6UW	Maynes, Walter W.	6WS	Schneider, William P.
6UX	Whidden, Ira P.	6WT	Mann, Frank W.
6ŬŸ	Everbarty, Laurence.	6WU	Wulbern, Henry.
6UZ	Gosmann, Jack L.	6WV	Williams, Creah.
	, 	6WW	Webb, Walter R.
6VA	White, G. Richard.	6WX	Ebert, Howard W.
6VB	Sundquist, Fred.	6WY	Young, William H.
6VC	Gottwald, Eugene A.	6WZ	Capps, Delphin.
640	Gottwaid, Eugene A.	0WZ	Capps, Deiphin,

AMATEUR RADIO STATIONS-Continued.

SEVENTH DISTRICT.

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

Callsignal.	Owner of station.	Location of station.	Power.
			Watts.
7EA	Adams, Edison	10201 Tacoma Ave., Tacoma, Wash	50
7AB	Anderson, Alfred S	1253 Grand Ave., Astoria, Oreg	100
7CB	Bennett, Cecil H	Rainier, Oreg.	500
7AT	Bennett, Henry	3125 Oakes Ave., Everett, Wash	660
7AS	Bird, Lester F	909 Blewett St., Seattle, Wash	470
7DB	Bolstad, Archie L	1832 4th Ave W Scattle Wash	16
7FB	Boswell, George	1832 4th Ave. W., Seattle, Wash	440
7HB	Breum, Helmer O	3416 S. Madison St., Tacoma, Wash	200
7BB	Brown, David M		
7GB		4943 73d St. SE., Portland, Oreg	100
	Butterfield, George H	815 Kearney St., Portland, Oreg	960
7WC	Cates, Walter C	1704 Franklin St., Vancouver, Wash	1,000
7VC	Coburn, William D	Ashland, Oreg	550
7EC	Covey, E. Channing	Ashland, Oreg	1,000
7DC	Crockett, George D	1420 nawthorne Ave., Portland, Oreg	240
7AP	Crossley, Jack	1053 Vaughn St., Portland, Oreg	500
7HC	Cutting, H. Everett	231 W. Main St., Bozeman, Mont	500
7AC	Dailey, Arthur C	3915 Colby Ave., Everett, Wash	550
7HD	Davis, Hubert A	1904 Canoe Pl., Seattle, Wash	500
7PD	Davis, Percy E	28 E. 60th St., Portland, Oreg	450
7AN	Dolloff, Ralph E	3724 Colby Ave., Everett, Wash	660
7AD	Douglas, Alfred E	824 East E St., Grants Pass, Oreg	1,000
7MD	Durkee, Mealon	713 St. Helens Ave., Tacoma, Wash	500
7CE	Eichelberger, H. Carl	715 N. 9th St., Boise, Idaho	770
7BA	Elbon, Jennings	2122 Commercial St., Astoria, Oreg	500
7ME	Elliott, Morton W	635 S. Atlantic St., Dillon, Mont	300
7CF	Farrar, Clyde L	311 Wimer St., Ashland, Oreg	55
7FF	Farris, Frank E	1604 Spring St., Olympia, Wash	250
7EF	Ford, Edwin D., jr	Weiser, Idaho	150
7GF	Gibbs, Floyd F	Weiser, Idaho	275
7CG	Gillespie, Charles R	Kalama, Wash	75
7RO	Grant, Robert E	1317 Fort St., Boise, Idaho	500
7FG	Gruwell, Fred N	616 Concord St., Bremerton, Wash	500
7CH	Hansen, Carl L	5415 6th Ave. NW., Seattle, Wash	400
7BD	Hapner, Harry	1213 Harris St., South Bellingham, Wash.	50
7AH	Hardesty, Adolph	195 3d St., Astoria, Oreg	Jay 133
7EE	Hawkins, Edward K	1800 27th Ave. S., Seattle, Wash	250
7HH	Hayden, Harold L	560 Balm St., Walla Walla, Wash	275
7GC	Henny, George C	530 Heights Ter., Portland, Oreg	32
7GH	Hess, George F	1604 Van Buren St., Corvallis, Oreg	330
7HI	Higman, Harry H	Hamilton, Mont	200
7PH	Hoffmann, Philip	621 S. 1st St., Walla Walla, Wash	220
7AQ	Holm, Paul E	422 Blackstone St., Portland, Oreg	100
7HŮ	Hursh, Harold H	Medical Springs, Oreg	600
7EJ			
	Jackson, Edgar F	1135 Thurman St., Portland, Oreg.	150
7DJ	John, D. Morris	745 N. 9th St., Corvallis, Oreg	450
7AI	Johnson, Clifford E	1004 N. Adams St., Tacoma, Wash	450
7GJ	Johnson, Gale H	124 Queen Anne Ave., Seattle, Wash	660
7JJ	Johnson, Joseph E	2716 Grand Ave., Everett, Wash	495
7HJ	Jones, Henry L	1111 E. Cherry St., Seattle, Wash	250
7AK	Koester, Alpha M	Near North Powder, Oreg	450
7EL	La Pine, Earl Larson, Walter L	1747 Zoth Ave. N., Seattle, Wash	550
7LA	Larson, Walter L	1700 W. 57th St., Seattle, Wash	500
7CL	Law, Charles J	Union, Oreg	1,000
7FW	Lee, Emery H. I	1412 Summit Ave., Seattle, Wash	550
7FL	Ling, Frank Moy	506 Mill St., Portland, Oreg	50
7HL	Longmire, Harold D	408 S. 32d St., Tacoma, Wash	125

AMATEUR RADIO STATIONS—SEVENTE DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power
			Watts
7MM	Mathison, Martin J	4102 N. 13th St., Tacoma, Wash	22
7HM	McCandless, Howard F	204 S. Tacoma Ave., Tacoma, Wash	1,00
7MC	McClelland, Joseph S	1128 15th St., Seattle, Wash	50
7AW	Meals, Owen E	Valdez, Alaska	25
7JO	Methven, John H	Ronald-by-Roelyn, Wash	1
7MH	Middlekauff, Mark II	N. 27th St., Corvallis, Oreg	10
7EM	Miller, E. Clarence	504 E. Republican St., Seattle, Wash	13
7DM	Minkler, Darrell	240 C St., Ashland, Oreg	55
7MI 7AG	Minter, John W	610 E. 19th St., Cheyenne, Wyo 4118 N. 16th St., Tacoma, Wash	$\begin{vmatrix} 1,00\\32 \end{vmatrix}$
7RD	Moe, George Montgomery, Jack II	5006 52d St. SE., Portland, Oreg	10
7RC	Mood, George T	Clarkston, Wash	10
7GM	Moore, Gale L	4735 58th St. SE., Portland, Oreg	1,00
7LN	Nagle, Leo W	1109 Washington St., Vancouver, Wash	1,00
7IN	Nelson, Ivan L	1003 N. 12th St., Boise, Idaho	49
70N	Nicholson, W. Otto	3115 S. 7th St., Tacoma, Wash	1,00
7RE	Nitschke, Erville W	346 E. 34th St., Portland, Oreg	10
7SN	Norman, Stacy W	137 N. 79th St., Seattle, Wash	50
7IO	O'Donoughue, Ivan	355 Almond St., Ashland, Oreg	5
7KP	Pennebaker, Kenneth T.	R. F. D. No. 1, Tangent, Wash	25
7CP	Peterson, C. Edward	1008 Raleigh St., Portland, Oreg	37
7CW	Peterson, Charles W	2922 3d Ave. W., Seattle, Wash	50
7EP	Peterson, Edward T	718 E. Ash St., Portland, Oreg	4
7AO	Piercy, Russell H	313 Tillamook St., Portland, Oreg	10
7HP	Pyle, Howard S	3311 S. 37th Ave., Seattle, Wash	
7WR	Rogers, Wilber L	2304 Monroe St., Corvallis, Oreg	
7AV	Root, Charles W	905 Jersey St., St. Johns, Oreg	15
7AR	Root, Dellmar A Ross, Lindsley W	631 Buchanen St., St. Johns, Oreg	93
7LR		590 Main St., Portland, Oreg	5
7JQ 7BČ	Roy, James Ruth, Orin S	622 W. G St., Grants Pass, Oreg	50
7AF	Scrutton, Gerald	330 E. 35th St., Portland, Oreg	30
7DS	Shingler, Don G	208 W. 19th St., Cheyenne, Wyo	15
7ÃÃ	Skyles, Theron G	522 11th St., Astoria, Oreg	7
7US	Slewing, Vere T	531 W. Palm St., Medford, Oreg	1,00
7HS	Slocum, Herbert R	47 E. 9th St. South, Portland, Oreg	30
7VS	Small, Vincent	2322 Wetmore Ave., Everett, Wash	93
7LS	Smith, Lloyd T	468 Oak St., Ashland, Oreg	25
7AJ	Sorensen, Chester J	1031 Quimby St., Portland, Oreg	10
7WS	Sorensen, Chester J Sparrow, William T	932 W. 63d St., Seattle, Wash	55
7BS	Spencer, Arthur	2519 Fulton St., Everett, Wash	99
7WQ	Stedman, William	Kake, Alaska	2
7SW	Swan, Emil	1461 Portsmouth Ave., Portland, Oreg	1,00
7AE	Thomas, Edward J	Cœur d'Alene, Idaho	2
7LT	Thompson, Lloyd S	109 5th St., Hamilton, Mont	17
7JR 7 J T	Tolmie, Jack R	1213 Columbia St., Seattle, Wash	$\begin{vmatrix} 1\\25 \end{vmatrix}$
7AZ	Tyler, John L	505 S. 4th St., Hamilton, Mont Deer Park, Wash	50
7KW	Warrens, C. Kenneth	848 Melinda Ave., Portland, Oreg	22
7RV	Westcott, Roy	1607 N 19th St. Roise Idaho	1, 00
7HT	Whelan, Harold J	612 W. 27th St., Vancouver, Wash	5
7BW	Williams, Charles E	1607 N. 19th St., Boise, Idaho	5
7DW	Willis, Cecil D	1316 Columbia St., Seattle, Wash	ĭ
7GW	Wilson, George D	1022 E. Heron St., Aberdeen, Wash	1,00
7ĴW	Wilson, John C	295 N. 24th St., Portland, Oreg	70
7HW	Winningham, Harold	3701 N. 18th St., Tacoma, Wash	
7LW	Wollaston, Arthur L	541 19th Ave., Seattle, Wash	9
7RB	Wormington, Ralph V	104 Park St., Milton, Oreg	33
7RW	Wright, Raymond F	R. F. D., Port Orchard, Wash	44
7GA	Wurtz, George A	Hanford, Wash	99

AMATEUR RADIO STATIONS—SEVENTH DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

ALPHABETICALLY BY CALL SIGNALS.

Call signal.	Owner of station.	Call signal.	Owner of station.
7AA	Skyles, Theron G.	7GA	Wurtz, George A.
7AB	Anderson, Alfred S.	7GB	Butterfield, George H.
7AC	Dailey, Arthur C.	7GC	Henny, George C.
7AD	Douglas, Alfred E.	7GF	Henny, George C. Gibbs, Floyd F. Hess, George F.
7AE	Thomas, Edward J.	7ĞH	Hess George F
7AF	Scrutton, Gerald.	7Ğ J	Johnson, Gale H.
7AG	Moe, George.	7GM	Moore, Gale L.
7ĂĦ	Hardesty, Adolph.	7GW	Wilson, George D.
7AI	Johnson, Clifford E.	'4"	Wilson, George D.
7ĀĴ	Sorongon Chapter I	7HB	Breum, Helmer O.
7AK	Kooston Alpha M	7HC	Cutting, H. Everett.
7AN	Sorenson, Chester J. Koester, Alpha M. Dolloff, Ralph E.	7HD	Davis Hubert A
	Diorest Duranti H	7HH	Davis, Hubert A.
7AO	Piercy, Russell H.		Hayden, Harold.
7AP	Crossley, Jack.	7HI	Higman, Harry H.
7AQ 7AR	Holm, Paul E. Root, Dellmar A.	7HJ	Jones, Henry L.
	Root, Delimar A.	7HL	Longmire, Harold D.
7AS	Diru, Lester F.	7HM	McCandless, Howard F.
7AT	Bennett, Henry.	7HP	Pyle, Howard S.
7AV	Root, Charles W.	7HS	Slocum, Herbert R.
7AW	Meals, Owen E.	7HT	Whelan, Harold J. Hursh, Harold H.
7AZ	Warner, Archie E.	7HU	Hursh, Harold H.
		7HW	Winningham, Harold.
7BA	Elbon, Jennings.		
7BB	Brown, David M.	7IN	Nelson, Ivan L.
7BC	Ruth, Orin S.	7IO	O'Donoughue, Ivan.
7BD	Hapner, Harry.		
7BS	Spencer, Arthur.	· 7JJ	Johnson, Joseph E.
7BW	Williams, Charles E.	7 J O	Methven, John H.
		7JQ	Roy, James.
7CB	Bennett, Cecil H.	7JŘ	Tolmie, Jack R.
7CE	Eichelberger, H. Carl.	7 JT	Tyler, John L.
7CF	Farrar, Clyde L.	7JW	Wilson, John C.
7CG	Gillespie, Charles R.		[]
7CH	Gillespie, Charles R. Hansen, Carl L.	7KP	Pennebaker, Kenneth T.
7CL	Law, Charles J.	7KW	Warrens, C. Kenneth.
7C₽	Peterson, C. Edward.		,
7CW	Peterson, Charles W.	7LA	Larson, Walter L.
-777		7LN	Nagle, Leo W.
7DB	Bolstad, Archie L.	7LR	Larson, Walter L. Nagle, Leo W. Ross, Lindsley W.
7DC	Crockett, George D.	7LS	Smith, Lloyd T.
7DJ	Crockett, George D. John, D. Morris.	7LT	Thompson, Lloyd S.
7DM	Minkler, Darrell.	7LW	Wollaston, Arthur L.
7 <u>DS</u>	Shingler, Don G.	'"	, , , , , , , , , , , , , , , , , , ,
7DW	Willis, Cecil D.	7MC	McClelland, Joseph S.
#T3 A	A 3 TO 35	7MD	Durkee Mealon
7EA	Adams, Edison. Covey, E. Channing.	7ME	Durkee, Mealon. Elliott, Morton W.
7EC	Covey, E. Channing.	7MH	Middlebauff Mark II
7EE	Hawkins, Edward K.	7MH 7MI	Middlekauff, Mark H.
7EF	Ford, Edwin D., jr.	7MM	Minter, John W.
7EJ	Jackson, Edgar F.	/ MIMI	Mathison, Martin J.
7EL	La Pine, Earl. Miller, E. Clarence.	7037	Nicheleen W Otto
7EM	Miller, E. Clarence.	70N	Nicholson, W. Otto.
7EP	Peterson, Edward T.	-222	Deute Deute D
-77	n 11 a	7PD	Davis, Percy E.
7FB	Boswell, George. Farris, Frank E.	7PH	Hoffmann, Philip.
7FF	Farris, Frank E.		
7FG	Gruwell, Fred N.	7RB	Wormington, Ralph V.
7FL	Ling, Frank Moy.	7 <u>RC</u>	Mood, George T.
7FW	Lee, Emery H. I.	7RD	Montgomery, Jack H.

Amateur Radio Stations—Seventh District—Alphabetically by Call Signals—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
7RE 7RO 7RV	Nitschke, Erville W. Grant, Robert E. Wescott, Roy.	7VC 7V8	Coburn, William D. Small, Vincent.
7RW 7SN 7SW	Wright, Raymond F. Norman, Stacy W. Swan, Emil.	7WC 7WR 7WQ 7WS	Cates, Walter C. Rogers, Wilber L. Stedman, William. Sparrow, William T.
7U8	Slewing, Vere T.		Sparrow, William 1.

EIGHTH DISTRICT.

Headquarters: Customhouse, Cleveland, Ohio. 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, Michigan (Lower Peninsula).]

ALPHABETICALLY BY OWNERS OF STATIONS.

Call signal.	Owner of station.	Location of station.	Power.
8GM 8CE 8JT 8JU 8RP 8GE 8JW 8AA 8CJ 8KA 8DW 8JL 8RQ 8FF 8CP 8FF 8OM 8HI 8AB 8NJ 8NJ 8NJ 8NJ 8NJ 8NJ 8NJ 8NJ 8NJ 8NJ	Adams, Ralph F. Adler, Jerome. Albrecht, Harvey O. Aldridge, George P. Amos, Clyde O. Anderson, John M., jr. Anderson, Joseph D. Anderson, Sidney E. Andrews, William S. Ankerman, Roy E. Anger, Charles O. Appleton, Francis W. Ashtabula High School. Backus, Harry F. Baker, Norman E. Baker, Raymond S. Balsley, James I. Barber, Nelson J. Barr, Forrest I. Barringer, Russ. Bartholomew, William F. Barton, Charles E. Baxter, Raymond I.	327 17th St., Toledo, Ohio	Watts. 48 275 21 500 160 250 250 30 400 220 500 440 440 440 440 220
8SI 8JB	Beach, Walter R Beare, George I	2180 E. 90th St., Cleveland, Ohio Columbus Ave. and Washington Row, Sandusky, Ohio.	550 990
8AC 8NS	Becelaere, Lawrence II Beck, Frank G	400 Dix Ave., Detroit, Mich	250 800
8JP 8RI 8KD 8FZ 8MM 8KT 8AE 8HS	Becker, Freeman A. Beeler, Hughes. Benjamin, Carlisle. Bennett, Edward J. Benzee, Arthur H., jr. Benzee, Joseph M. Berndt, William F. Berry, L. Mack.	Pa. 108 9th St., Buffalo, N. Y	20 18 30 26 20 32 250 990

Callsignal.	Owner of station.	Location of station.	Power.
			Watts.
8SC	Bidwell, Paul	8903 Cedar St., Cleveland, Ohio	21
800	Bird, Harold C	92 S. Johnson Ave., Pontiac, Mich	500
8PZ	Bishop, Carryl L	1 North Ave. Binghamton, N. Y.	24
8EY	Blackmore, Andrew H.	1 North Ave., Binghamton, N. Y 3351 Reading Rd., Cincinnati, Ohio	250
		73 Pardos St. Poshester N. V.	25
8FU	Blattner, E. Herman	73 Pardee St., Rochester, N. Y	
8RH	Blum, Robert A	157 High St., Buffalo, N. Y.	18
8LP	Bly, Ralph	1358 Michigan Ave., Niagara Falls, N. Y	30
8PA	Boekeloo, Ross M	813 Washington Ave., Kalamazoo, Mich	24
8IA	Bolton, Frederick R	531 E. Grand Blvd., Detroit, Mich	250
8QJ	Bornman, Frederick D	134 Delaware Ave., Detroit, Mich	440
80U	Boyer, Harry	89 Kibbie St., Mt. Clemens, Mich	440
8LO	Breckel, Harry F	4318 Virginia Ave., Cincinnati, Ohio	495
8CQ	Brede, Erwin F	55 Melbourne Ave Detroit, Mich.	333
8DĞ	Bremer, Edmund H	55 Melbourne Ave., Detroit, Mich	1,000
	Brewer, George S	112 E. Main St., Westfield, N. Y	
8AF			1,000
80G	Brink, Frank J	Galen, N. Y	30
8FB	Britney, Dudley R Broome, Donald W	Winton Rd., Cincinnati, Ohio	36
8AG		100 Grand Ave., Mt. Clemens, Mich	1,000
8KF	Broughton, Harry J	100 Grand Ave., Mt. Clemens, Mich 702 N. George St., Rome, N. Y	250
8QS	Brow, Robert	Rose Hill, N. Y	500
8ÅH	Brown, Edward H	2208 Harcourt Drive, Cleveland, Ohio	550
8NU	Brown, Willard S	2134 E. 77th St., Cleveland, Ohio	500
8FR	Brownell, Elmer	1300 Steuben St., Utica, N. Y.	18
8DM	Bruns, Carl H	1300 Steuben St., Utica, N. Y	30
8NL	Budwig, Gilbert G	1017 Appel Rd Cleveland Ohio	1,000
8FI	Burger, Richard W	822 S. McDonel St., Lima, Ohio	495
8GA	Burr, Gordon	7209 Clinton Ave., Cleveland, Ohio	20
8RD	Burr, Roy C	68 E. Elm St., Norwalk, Ohio	880
8MH	Bushnell, Clarence E	645 W. Ferry St., Buffalo, N. Y	48
8PP	Butcher, W. Byron Butzler, Harry Cahow, Paul D	Waynesfield, Ohio	990
80Q	Butzler, Harry	196 Robertson St., Mt. Clemens, Mich	770
8MJ	Cahow, Paul D	Reading, Mich. 1001 La Fayette Ave., Buffalo, N. Y	385
8KG	Camp, Juni D	1001 La Fayette Ave., Buffalo, N. Y	120
8MV	Carson, William H	1140 James St., Kalamazoo, Mich	550
8EU	Carson, William H Carson, William J Carver, Alfred J	5558 Black St. Pittsburgh Pa	30
8ED	Carver Alfred I	5558 Black St., Pittsburgh, Pa 4 Warring Ave., Buffalo, N. Y	9
8NB	Chafee, C. Lloyd	Davie W Vo	48
8IU	Clarks Andrew W	Davis, W. Va.	
	Clarke, Andrew W	Glenshaw, Pa	24
8SQ	Clarke, John H	1010 Central Ave., Dunkirk, N. 1	1,000
8AJ	Clough, Bert E	186 N. Washington Ave., Battle Creek,	1,000
		Mich.	
8FJ	Clausing, Leroy M. E	406 Nye St., Lima, Ohio	770
8DV	Cobb, Rupert G	17 E. Alexandrine Ave., Detroit, Mich 47 Yale Pl., Buffalo, N. Y	50
8EE	Coleman, Clarence E	47 Yale Pl., Buffalo, N. Y	770
8SM	Coleman, H. Burr	Savannah, N. Y 601 W. Anglaize St., Wapakoneta, Ohio	120
8KO	Combs, Frayne	601 W Anglaize St. Wanakoneta Ohio	31
8NC	Coolidge, James H., 3d.	34 Chapman Ave., East Cleveland, Ohio	280
8KB			
	Core, Eugene D	53 E. High St., Columbus Grove, Ohio	1,000
8MO	Corts, Raymond E	243 May St., Buffalo, N. Y.	20
8CR	Coven, Allen W	446 Earl Court, Elyria, Ohio	35
81E	Cross, Gorham L	Cape Vincent, N. Y	30
8IT	Cross, Gorham L	340 Genesee St., Utica, N. Y	165
8KX	Cross, Gorham L Cuff, Harold C	79 Walnut St., Buffalo, N. Y	16
8RK	Dalrymple, Clarence F	Sheridan, N. Y. 1233 W. State St., Fremont, Ohio 98 Summer Pl., Buffalo, N. Y.	24
8NI	Daniels, Worth D.	1233 W. State St., Fremont, Ohio	24
8LR	Daniels, Worth D Davis, Charles W	98 Sumner Pl Buffalo N Y	30
8AN		73 Dakota Ave Columbus Obje	500
	Davis, Frank	73 Dakota Ave., Columbus, Ohio	
8MZ	Davison, John	400 W. High St., Lima, Ohio	1,000
8PI	Day, James M	Waynesfield, Ohio	990
8MQ	Dear, Harry D	DAD PRODUCE A VER PILLEDILLON PA	20

AMATEUR RADIO STATIONS—Eighth District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Powe
			Watt
8AO	Deighan, Edward I	5415 Herman Ave., Cleveland, Ohio 118 Fulton Ave., Rochester, N. Y	4
8HV	Denniston, Harry J	118 Fulton Ave, Rochester, N. Y	2
8MX	De Rose, Ralph	69 S. Judson St., Gloversville, N. Y	25
8KJ	Des Jardins, Gregory T	2019 Main St., Cincinnati, Ohio	1
8KK	Devaney, Richard G	196 Murray St., Binghamton, N. Y	2
8I J	Diederich, Paul E	915 E. Grand Blvd., Detroit, Mich	1,00
8KV	Dobbie, John, jr	700 Buffalo Ave., Niagara Falls, N. Y	50
8FK	Donehoo, Gray G	823 Heberton Ave., Pitteburgh, Pa	10
8GD	Donnelly, John J	3614 W. 32d St. SW., Cleveland, Ohio	55
8ÅP	Dorsch, George	1338 Walnut St., Cincinnati, Ohio	55
8EF	Dorst, Edward	39 Eaton St., Buffalo, N. Y.	i
8OW	Dotterweich, Joseph H	39 Eaton St., Buffalo, N. Y	50
8DÜ	Downing, Harry E	2308 E 57th St. Cleveland Ohio	4
8OX	Dreux, Alexander J	48 Garner Ave. Buffalo N. Y.	
8KL	Dreifus, Fred B	2308 E. 57th St., Cleveland, Ohio	2
8LQ	Dunlap, Orrin E., jr	1029 Cleveland Ave., Niagara Falls, N. Y.	25
8KM	Eden, Henley S	112 Ivy St., Edgewood Park, Pa	2
8JH	Edwards, C. Beaver	120 Green Ave., Detroit, Mich	
8PJ	Ehrich, William F	300 Warren St., Bucyrus, Ohio	1,00
8AQ	Ela, Edward C. and Wil- liam C.	1320 Woodland Ave., Pittsburgh, Pa	7,4
8QL	Emmert, Herman C	1063 23d St., Detroit, Mich	2
8ĞF	Erney, J. Clarence	7417 Myron Ave., Cleveland, Ohio	7
8G G	Eucher, Clarence J	7427 Detroit Ave., Cleveland, Ohio	50
8SE	Falck, Norman B	1520 Davie Ave Pittehurch Pa	4
8HU		1529 Davis Ave., Pittsburgh, Pa	7
8AS	Faroo, Glenn	715 S. Broadway, Lima, Ohio	2
8DB	Feightner, Amos E	67 Parke St., Pontiac, Mich	21
8FA	Fellows, Bernard D		4
	Fender, Clinton H	28 W. 13th St., Cincinnati, Ohio	7
8QA	Ferguson, James G	671 W. Ferry St., Buffalo, N. Y 514 Elizabeth St., Petoekey, Mich	2
8LS 8F E	Ferris, Warren O Finch, Brent S	1727 F McMillan St. Cincinneti Ohio	3
8MK	Finch, William G. H	1727 E. McMillan St., Cincinnati, Ohio.! 9-15 E. 3d St., Cincinnati, Ohio	5
8MG	Fish, J. Mulford	307 Collins Ave., Pittsburgh, Pa	3
		006 W Warra St Lime Ohio	
8MY	Fisher, Harold W	906 W. Wayne St., Lima, Ohio	
8KQ	Fisher, Earl U	1505 5th Ave., Pittsburgh, Pa	۱, ۵
80Z	Fleming, James J	Kane, Pa. 209 Spring St., Bedford, Pa.	1,0
	Fletcher, Vernon	Dina Mink	
8KI	Flint High School	Flint, Mich	7
8MW	Follet, Louis, jr	Crafton, Pa.	ا
8OT	Foster, Frank, jr	202 Madison St., Wilkes-Barre, Pa	8
8SF	Fowler, Robert J	990 Western Ave. N. C. Distribunal D.	6
8AT	France, William	829 Western Ave., N. S., Pittsburgh, Pa.	5
8RE	Frank, Alfred	2226 W. Jefferson Ave., Detroit, Mich	
8HZ	Fraser, John W	102 Garner Ave., Buffalo, N. Y	
8RZ	Fritz, Rudolph A	1242 Dewey Ave., Cincinnati, Ohio	2
8AU	Frost, Harry E	552 Glenwood Ave., Buffalo, N. Y 218 Michigan St., Petoekey, Mich	3
8LT	Fryman, Zalman B	218 Michigan St., Petoekey, Mich	1
8AV	Fullwood, William R	1017 Pollock Ave., New Castle, Pa	6
BOJ	Furlong, Marcie J	711 N. Main St., Clyde, Ohio	2
8KP	Fuss, Chester G	Little valley, N. I	7
8BV	Fuss, Chester G	1806 Brewster Ave., Cincinnati, Ohio	
8PK	Gamble, Frederick D	2412 Putnam St., Toledo, Ohio	5
8EG	Gebhard, Louis A	1127 Ellicott St., Buffalo, N. Y	5
8AX	Gentzsch, Leonard H	102 Northampton St., Buffalo, N. Y	
8QN	Given, Everett J	908 E. Ann St., Ann Arbor, Mich	
8SN	Glatzell Earle D	448 S. First St., Ann Arbor, Mich	
8GH	Glekler, Truman J	3015 Marvin Ave., Cleveland, Ohio	5
8ET	Goettel, Edward V	1773 Crawford Rd., Cleveland, Ohio	6
8RY	Goetz, Carl P	1518 Knowlton St., Cincinnati, Ohio	

Call signal.	Owner of station.	Location of station.	Power.
			Watts.
8AW	Gogel, Adelbert J	628 S. Erie St., Toledo, Ohio	440
80F	Goodwin, Seth A	6032 St. Marie St., Pittsburgh, Pa	1,000
8EI	Gray, Clarence N	32 Duerstein Ave., Buffalo, N. Y	330
8GJ	Green, Harold L	1650 82d St., Cleveland, Ohio	440
8ND	Grigg, Arthur	741 Clinton St., Cincinnati, Ohio.	495
8AY	Grosse, Frederick W	1326 Walnut St., Cincinanti, Ohio	500
8QR	Grostick, George E.	1605 Wagar Ave., Lakewood, Ohio	15
8EH	Grove, Nelson B	242 Ashland Ave., Buffalo, N. Y	60
8JA	Gunn, Ross	369 W. Lorain St., Oberlin, Ohio	500
8RO	Gwinner, Frederick, 3d	5th and Amberson Sta Pittsburgh Pa	36
8QB	Haderer, John,	5th and Amberson Sts., Pittsburgh, Pa 330 Fox St., Buffalo, N. Y	18
8NN	Hahn, Ralph H	423 Fox St., Buffalo, N. Y	250
8MD	Hall, Eldred R	1613 Milton Ave., Solvay, N. Y.	495
8GT	Hamel Arthur	29 Martin St., Amherst, Ohio	550
8NW	Hankin, John H	30 Schutz Ave., Buffalo, N. Y	6
8AZ	Hansen, Edmund H	31 Deer St., Plymouth, Mich	750
8NO	Hansen, Torvald	7325 Clinton Ave., Cleveland, Ohio	220
8NV	Harrison, P. William, jr.	125 Medbury Blvd., Detroit, Mich	6
8PS	Hart, John R	Duncannon Pa	550
8QC	Hauck, Roland E	850 Walden Ave., Buffalo, N. Y	20
8FH	Haynes, William	102 N. Florence St., Springfield, Ohio	880
8JD	Heiser, Ernest J	819 Dayton St., Hamilton, Ohio	990
8NP	Henderson, Earl G	457 Orchard Ave., Bellevue, Pa	500
8PB	Henika, Charles F	441 State St., Petoskey, Mich	550
8EX	Henlein, Carl A	1855 Hewitt Ave., Cincinnati, Ohio	24
8GN	Henninger, Alan E	2038 W. 100th St., Cleveland, Ohio	440
8BW	Hermann, Harold N	2237 Frances Lane, Cincinnati, Ohio	35
8FG	Hewitt, Charles P	R. F. D. No. 1, Oak Harbor, Ohio	36
8LU	Hewitt, James F	405 Portland Ave., Rochester, N. Y	24
8PM	Higgey, Robert C	1072 W. Market St., Lima, Ohio	250
8PL	Higgey, Robert C Higgins, Robert R	1072 W. Market St., Lima, Ohio 11408 Bell Flower Rd., Cleveland, Ohio	225
8IC	Hill, Charles C., jr	1134 Mellon St., Pittsburgh, Pa	1,000
8GB	Hill Top Y. M. C. A	Pittsburgh, Pa	270
8BA	Hiller, Herbert A Hills, Virgil A Hoch, Ellery T	117 Hanover St., Silver Creek, N. Y	240
8KR	Hills, Virgil A	2066 E. 100th St., Cleveland, Ohio	220
8BD	Hoch, Ellery T	R. F. D. No. 33, Barberton, Ohio	48
8GP	Hoffman, Edward H	1617 Buhrer Ave., Cleveland, Ohio	20
8QV 8FC	Hogan, James E	26 Lincoln Ave., Crafton, Pa	60
8FC	Holden, Ira S	2920 Vernon Pl., Cincinnati, Ohio	900
8MC	Holmes, Charles A	New Berlin, N. Y	1,000
8DR	Holmes, Charles E	310 W. Brown St., Grand Rapids, Mich	495
8HO	Holt, George W	789 Prospect Ave., Buffalo, N. Y	49
8BC	Holt, Nelson E	185 Congress St., Buffalo, N. Y	715
8GQ	Horn, Herbert E	557 E. 117th St., Cleveland, Ohio	500
8PT	Hornung, Romey W House, Elra E	Lavelle, Pa	450
8NF	House, Elra E	11 Taft St., Battle Creek, Mich	880
8BB	Howes, Stanley L	515 Eleanor St., Kalamazoo, Mich	330
8CS	Howland, Dean W	1081 Cass Ave., Detroit, Mich. 3458 Hallwood Pl., Cincinnati, Ohio.	330
8BX	Hubbell, Aaron W	3458 Hallwood Pl., Cincinnati, Ohio	600
8RR	Hull, Earl C	7631 15th St., Niagara Falls, N. Y	550
8CF	Hull, Guy McC	123 S. Whitfield St., Pittsburgh, Pa	50
8CG	Hull, Ralph S	5819 Rural St., Pittsburgh, Pa	550
8NH	Hyatt, Bunyan, J	202 Rogers St., Mt. Vernon, Ohio	1,000
8PU	Imbt, Russell	324 Braeside Ave., East Stroudsburg, Pa	660
80N	Ilgenfritz, Lester M	2 E. Forest Ave., Detroit, Mich.	30
8RJ	Irvine, Robert P	3380 Fulton Rd., Cleveland, Ohio	330
8JK	Jackson, Cotesworth M	St. Clair Rd., Pottsville, Pa	300
8BF	Jarvis, Roy B	647 Main St., Wheeling, W. Va	1,000
8FL	Jenkins, William E	2108 Potomac St., Banksville, Pa	30 55

Amateur Radio Stations—Eighth District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Watts.
8HC	Johnston, S. Paul	201 S. Craig St., Pittsburgh, Pa	275
8QK	Jones, Edwin P	1114 Middle Ave., Elyria, Ohio	30
8Q <u>M</u>	Jones, Jesse K	200 W. Market St., Pottsville, Pa	24
8KU	Jones, Miller	Grafton, Ohio	500
8QQ	Kampfe, Lorbert J	1241 E. 103d St., Cleveland, Ohio	1,000
8BG	Kastenberg, Paul G	298 Hurlbut Ave., Detroit, Mich	30
8NM	Keen, William L	608 Broadway, Cincinnati, Ohio	24
8PC	Kersting, Ferdinand	165 S. Gratiot Ave., Mt. Clemons, Mich	440
8CC	Kesel, George	2704 Wylie Ave., Pittsburgh, Pa	440
8QE	Kester, Harold P	626 University Ave., Rochester, N. Y	36
8BH	Kingsbury, Kenneth	24 Chestnut St., Binghamton, N. Y	495
8QO 8RA	Kirly, H. Howard Klager, Oscar C	863 E. 73d St., Cleveland, Ohio	250
8GV	Kleber, Jackson O	611 S. Main St., Ann Arbor, Mich	16
8QF	Klinck, Charles C., jr	1135 Murray Hill Ave., Pittsburgh, Pa	275 250
8ŘB	Knapp, Harold	38 W. Parade Ave., Buffalo, N. Y	550
8DN	Knappen, Bert	4 Trankla Ave., Grand Rapids, Mich	25
8GS	Kneale, C. Kewley	1337 W. 114th St., Cleveland, Ohio	100
8KW	Kohler, Harry W	605 E. Middle St., Wapakoneta, Ohio	36
8EJ	Kolb, Edwin H	18 Camp St., Buffalo, N. Y.	660
8GL	Konrad, Henry	750 Ross Ave., Hamilton, Ohio	550
8BJ	Kraus, Norman M	4121 Henritze Ave., Cleveland, Ohio	990
8PD	Krause, Karl A	244 S. Front St., Mt. Clemens, Mich	225
8JV	Kreighbaum, Cyril H	12414 Ingomar Ave., Cleveland, Ohio	600
8BI	Kroeger, Gustav H	1837 Clarion Ave., Cincinnati, Ohio	990
8EK	Kumpf, Elmer H	Crittenden, N. Y	675
80C '	Kuehnle, George J	Crittenden, N. Y	120
8KY	Kunnar, William	R. F. D. No. 4, Ashtabula, Ohio	48
8KZ	Landgraff, William J	3718 Parviss St., Pittsburgh, Pa	250
8EL	Langenbach, Leo	186 Riley St., Buffalo, N. Y	24
8BK	Lappe, E. Robert	5520 Baywood St., Pittsburgh, Pa	275
8RL	Last, George	107 E. Buckeye St., Clyde, Ohio	550
8EQ	Leighton, Clifford R	128 Eagle St., Utica, N. Y	1,000
8QG	Lewis, Walter E	128 Denver St., Rochester, N. Y	500
8BL	Leyh, Edward L	10 Overhill St., Pittsburgh, Pa	60
8MT	Liller, William P Lima High School. See Davison, John.	Keyser, W. Va	18
8LV	Lindow, Daniel A	625 Field Ave., Detroit, Mich	275
8BE	Lippert, John P	41 Stanwood Rd., East Cleveland, Ohio	275
8JO	Little, Donald G	415 Woodward Ave., Kalamazoo, Mich	540
8MR	Livinggood, Hubert W	1825 Michigan Ave., Detroit, Mich	880
8GU	Loehr, George R	11444 Euclid Ave., Cleveland, Ohio	500
8CZ	London, Henry J	267 Palmer St., Grand Rapids, Mich	90
8JG	Lord, Donald M	531 Beach Ave., Cambridge Springs, Pa	30
8BN	Lovejoy, Julian	3325 Perkins Ave., Cincinnati, Ohio	40
8ML	Lovell, Charles L	540 Prospect Pl., Cincinnati, Ohio	550
8PE	Lucas, Clarence E	119 24th St., Detroit, Mich	16
8HM	Lucas, Howard E	5005 Dearborn St., Pittsburgh, Pa	990
80D	Luedeke, William P., jr.	40 Hodge Ave., Buffalo, N. Y	18
श्रुQ ∣	Lusink, C. Irving	642 North St., Rochester, N. Y	18
8BO	Lyons, Henry E	Ripley, N. Y.	60
8JX	MacCandless, Lyon H	351 Jefferson St., Rochester, Pa	440
8BP	Macer, Arthur J	37 Jefferson St., Westfield, N. Y	1,000
8EA	Mack, Clifford J	49 McGovern Ave., Ashtabula, Ohio	770
880	Maggs, H. Carrol	Girard, Ohio	312
8PF	Malbin, Samuel	14 S. Gratiot Ave., Mt. Clemens, Mich	117
8JZ 8MI	Manning, Alfred J Manning, Howard H	6914 Woodland Ave., Cleveland, Ohio 298 Prospect St., Meadville, Pa	36 330

Callsignal.	Owner of station.	Location of station.	Power.
			Watts.
8OV	Marcum, Richard	Britain Ave., Benton Harbor, Mich	1,000
8PX	Marsh, Harry H., jr	Park View, W. Va	24
8HY	Marshall, Floyd W	Avery Ter., Detroit, Mich	1,000
8RV	Marsh, Harry H., jr Marshall, Floyd W Marshall, Frank J	Park View, W. Va. Avery Ter., Detroit, Mich. 517 W. Delaware Ave., Toledo, Ohio	500
80Y	Martin, Cecil E		2
8QY 8EV	Mason, Carl D.	R F D No 3 Oak Grove Mich	2
8LA	Mason, George S	R. F. D. No. 3, Oak Grove, Mich	
	Mason, George 5	007 Drini-man Ct Dr. Cala N V	1,000
8MB	Maxon, Harry L	267 Brinkman St., Buffalo, N. Y.	10
8NT	Maue, Leon G	Y. M. C. A. Bldg., Hazleton, Pa. R. F. D. No. 4, Lisbon, Ohio	330
8HL	McCamon, Aurel	R. F. D. No. 4, Lisbon, Onio	30
8EZ	McConaughy, Mary Alice	6112 Navarre Pl., Cincinnati, Ohio	48
8QI	McEniry, Clifford U	875 Michigan St., Buffalo, N. Y	18
80Y	McElhinny, J. Schubert	103 Sumner Pl., Buffalo, N. Y	24
8IK	Mellon, J. H	Patton, Pa	4.
8BQ	Menges, William E	6428 Aurelia St., Pittsburgh, Pa	278
8IS	Middleton, Charles	Vernon, Ohio,	94
8IB	Mielke, Carl E	3619 Grenada St., Pittsburgh, Pa	1,000
8IR	Miller, Arthur P	14 Beuland Ave., Mt. Clemens, Mich	200
8IN	Miller, Kenneth	1086 Shady Ave., Pittsburgh, Pa	500
8BR	Miner, Simeon J.	2253 E. Jefferson Ave., Detroit, Mich	50
8GW	Moffet Flord E		
	Moffet, Floyd E	5408 Euclid Ave., Cleveland, Ohio	500
8BS	Mogridge, Clarence J	463 16th St., Detroit, Mich	1,000
8DS	Moynahan, Roy D	355 E. Warren Ave., Detroit, Mich	240
8EB	Munsell, Robert S	191 Center St., Ashtabula, Ohio	26
8EM	Murphy, John V	98 St. James Pl., Bunalo, N. Y	24
8HD	Myers, Homer B	1600 Euclid Ave., Cleveland, Ohio	20
8CT	Myers, Raymond W	166 E. Perry St., Tiffin, Ohio	27
8IG	Neumann, Allen J	1600 Euclid Ave., Cleveland, Ohio 166 E. Perry St., Tiffin, Ohio 1033 Ellicott St., Buffalo, N. Y	20
8MP	Neupert, Robert E	500 Chartiers Ave., McKees Rocks, Pa	55(
8IX	Newman, Arthur J	1415 Newman Ave., Cleveland, Ohio	500
8IM	Nichols, D. A	Wapakoneta, Ohio	720
8ID	Norris, George H	77 Melbourne Ave., Detroit, Mich	960
8BT	Ogle Harry B	2636 East Blyd. Cleveland Ohio	440
8FM	Ogle, Harry B Olson, Milton E	2636 East Blvd., Cleveland, Ohio	250
8DF	Orrell, Robert W	87 Frederick Ave., Detroit, Mich	500
8SJ	Ottney, James N	R. F. D. No. 4, Gilsonburg, Ohio	2
8DY		107 Prospect St., Ashtabula, Ohio	
80I	Pancoast, Donald F	25 E State St. Clarenaville M. V.	1,000
8CH	Patterson, Grant, jr	35 E. State St., Gloversville, N. Y	250
	Paul, James T	628 N. Euclid Ave., Pittsburgh., Pa	60
8CY	Payne, Arthur E	Birmingham, Mich.	990
8NZ	Payne, William H	121 Clarke St., Binghamton, N. Y	20
8PV	Pearson, Harry	4 W. North Ave., Pittsburgh, Pa	30
8GX	Pentland, Henry B	2053 E. 105th St., Cleveland, Ohio	49
8SG	Pesek, Miro R	3288 Fulton Rd. SW., Cleveland, Ohio	5
8LW	Philepp, Lawrence A	Concord, Mich	66
8DJ	Phillips, Glenn E	551 McKinstry Ave., Detroit, Mich	10
8CX	Phippeny, Forrest I Plekenpol, Ernest	R. F. D. No. 4, Battle Creek, Mich	1,00
8JF	Plekenpol, Ernest	7804 W. Madison Ave. NW., Cleveland,	3
	1	Ohio.	
8DX	Porter, Harry T	714 Main St., Conneaut, Ohio	900
8QW	Potts, Charles G	726 W. Norwegian St., Pottsville, Pa	5
8HQ	Poux, Noel J.	432 Pine St., Meadville, Pa.	44
8QP	Powell, Ralph C	5236 Westminster Pl., Pittsburgh, Pa	4
8GZ	Proback John	2489 E. 59th St., Cleveland, Ohio	_
8LB	Probeck, John Purves, Stuart S	2461 Probling Ave Cincinneti Olic	3
	Demos Edmin II	3461 Brookline Ave., Cincinnati, Ohio	2
8LC	Ramge, Edwin H	R. F. D. No. 7, Wapakoneta, Ohio	30
8DA	Rathbun, Hugh T	112 Colfax St., Grand Rapids, Mich	50
8DC	Reb, Frank	1635 Gratiot Ave., Detroit, Mich	1,000
8LX	Reitt, Arthur A	1100 Washington Ave., Monaca, Pa	40
8FQ	Remorino, L., jr	97 Washington St., Gloversville, N. Y	49

Amateur Radio Stations—Eighth District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Watte.
80P	Reynolds, Charles L	25 Sturges St., Binghamton, N. Y	2-
8LD	Rice, Homer D	150 Livingston St., Buffalo, N. Y	1
8SP	Rich, Harland E	228 N. Limestone St., Springfied, Ohio	770
8IQ	Richard, Roy H	68 Lincoln Ave., Meadville, Pa	30
8CĬ	Richards, Theodore D. and George B.	934 W. North Ave., Pittsburgh, Pa	380
8PN	Ritchie, Burrus L	2216 E. 100th St., Cleveland, Ohio	330
8RF	Ritchie, Carl L	3051 Minton St., Pittsburgh, Pa	2
8MS	Ritchey, Ole B	Reading, Mich	1 44
8NQ	Robbins, Melvin G	219 Reynolds St., Kingston, Pa	1,00
8HB	Roberts, Hayden P	11215 Clifton Blvd., Cleveland, Ohio	22
8MF	Robin, Milo H	7 Lake Ave., Williamson, N. Y	2
8HA	Roblee, Judson	59 Idlewood Ave., Cleveland, Ohio	22
810	Roe, Howard L	723 Homewood Ave., Pittsburgh, Pa	25
8DQ 8DT	Roener, Hubert J	115 Floyd St., Toledo, Ohio 2065 McKinley Ave., Lakewood, Ohio	3
	Rogers, Grant	2065 McKinley Ave., Lakewood, Onio	88
8HT	Romzick, Lawrence	R. F. D. No. 2, Ruth, Mich.	2
8LY	Rose, Herman	77 Johnson St., Buffalo, N. Y.	1 1
8EW	Rubel, Henry M., jr	920 Burton Ave., Cincinnati, Ohio	1,00
8CD	Sachs, Gus	1522 Center Ave., Pitteburgh, Pa	27
8LF	Saunders, Ezra L	141 4th Ave., Gallipolis, Ohio	75
8 P O	Schaaf, John M	300 Warren St., Bucyrus, Ohio	1,00
8HG	Schardt, Earl M	12813 Marston Ave., Cleveland, Ohio	2
80K	Scheib, Joseph	6243 Station St., Pittsburgh, Pa	2
8SD	Schindler, Louis J	2103 Robinwood Ave., Toledo, Ohio	50
8RW	Schmidle, Claude	553 E. North St., Buffalo, N. Y]
8SB	Schmidt, Norman F	5600 Forbes St., Pittsburgh, Pa	25
8JC	Schoenhen, Edwin B	1201 Middle Ave., Elyria, Ohio	12
8 <u>H</u> H	Schoren, William E	2954 W. 25th St., Cleveland, Ohio	48
8HR	Schouman, Hazen	210 Riverside Ave., St. Clair, Mich	3
8MA	Schulz, Edward G	329 Arndt St., Detroit, Mich	33
8QU	Schunck, Robert F	407 W. Anglaize St., Wapakoneta, Ohio	
8FY	Schwalb, Walter J	715 Main St., Wheeling, W. Va	88
8LL	Schwanecamp, Raymond	207 Lemon St., Buffalo, N. Y.	9
8BY	Schwindt, Herman J	3517 Bevis Ave., Cincinnati, Ohio	.6
8IV	Scott, Gail	Degraff, Ohio	10
8LE	Scott, Hoyt S	North Fairfield, Ohio	3
8EP	Scovill, Edward H	10528 Park Lane, Cleveland, Ohio	75
8HN	Selinske, Louis	510 15th St., Detroit, Mich	3
8HF	Shaney, Aubrey A	5713 Curtiss Ave., Cleveland, Ohio	44
8LZ	Sharbaugh, Wilbur	2109 Eoff St., Wheeling, W. Va	55
8PQ	Shaw, Eurcile L	205] E. Anglaize St., Wapakoneta, Ohio.]
8EN	Shepard, Charles A	186 Grant St., Buffalo, N. Y]
8CN	Sheppard, Hamilton W	6420 Darlington Rd., Pittsburgh, Pa	25
8PG	Sherman, Fred	Britain Ave., Benton Harbor, Mich	1,00
8JR	Sherrill, Alvan C	326 S. Highland Ave., Pittsburgh, Pa	75
8BZ	Shumard, Asbury	5609 Tompkins Ave., Cincinnati, Ohio	66
8LG	Sibert, Richard E	111 E. Benton St., Wapakoneta, Ohio	3
8KS	Sidnell, Robert G	1268 W. 115th St., Cleveland, Ohio	3
8DL	Sisson, William A	1024 Erie St., Toledo, Ohio	, ,9
SQT	Sly, Edward E	1820 Myrtle St., Erie, Pa	14
8PH	Slyfield, Charles O	Frankfort, Mich.	2
8CL	Smith, G. C	335 Atwood St., Pittsburgh, Pa	25
8RM	Smith, Harold M	Highland Ave., Monticello, N. Y	1 3
8CV	Smith, Lewis A	55 Brandon Ave., Detroit, Mich	3
8CK	Smith, Roland C	5814 Hays St., Pittsburgh, Pa	
8OE	Smith, Verne E	Knox, Pa	1
8FO	Snyder, Norman G		
8FT	Spargo, James A., jr	403 N. George St., Rome, N. Y	
8LN	Spaulding, Ray F	Ripley, N. Y	1 2

Call signal.	Owner of station.	Location of station.	Power.
			Watts.
8HK	Spiller, Archibald G	603 Missouri Ave., East Cleveland, Ohio	550
8SH	Spotts, Ralph T	2179 E. 87th St., Cleveland, Ohio	700
8RU	Spotts, Ralph T Staaf, Werner	2179 E. 87th St., Cleveland, Ohio 5638 Weldin St., Pittsburgh, Pa	60
8LH	Stauft, Jacob L	347 Oakland Ave., Pittsburgh, Pa	250
8II	Steim, L. Harold	R. F. D. No. 2, Kittanning, Pa	270
8NK	Steinhoff, Charles F	224 E. Lorain St., Oberlin, Ohio	36
8IZ	Steinman, Dwight H	416 Pine St., Lima, Ohio.	825
8NR	Stenger, John H	66 Gildersleeve St., Wilkes-Barre, Pa	1,000
8SL	Stenzel, Arthur W	125 Geary St., Buffalo, N. Y	550
8OL	Stern, Fred W	835 Glenwood Ave., Cincinnati, Ohio	165
8HE	Sterrangen George I	Durand Mich	
	Stevenson, George L Stickney, Richard W	Durand, Mich	1,000
8EO	Stickney, Richard W		25
8PR	Stiveson, Andrew	4 North Ave., Pittsburgh, Pa	24
8NY	Straub, John O	1724 Wightman St., Pittsburgh, Pa 3540 Wabash Ave., Cincinnati, Ohio	250
8CA	Stueve, Everett S	3540 Wabash Ave., Cincinnati, Ohio	330
8IY	Swain, Herbert N	405 Franklin St., Hamilton, Ohio	990
8OH	Swisher, Oka V	221 Spring St., Fairmont, W. Va	80
8HJ	Terry, James E., jr	1877 E. 90th St. NE., Cleveland, Ohio	330
8CB	Thiessen, H. F. W	161 E. McMicken Ave., Cincinnati, Ohio	500
8DE	Thomas, William K	400 Minton St., Pittsburgh, Pa	250
8CM	Thorn, Thomas H	1217 Chislett St., Pittsburgh, Pa R. F. D. No. 3, Geneseo, N. Y	225
8FN	Toland, Gerald H	R. F. D. No. 3, Geneseo, N. Y.	100
8IP	Trotter, Robert J	214 Amanda Ave., Mt. Oliver, Pa	30
8JE	Twitchell, Herbert D	4th and Wood Sts., Hamilton, Ohio	990
8KN	Tyne, Gerald F	36 Walnut St., Binghamton, N. Y	20
8RT	Ubersax, Delmar G	2248 E 100th St. Cleveland Ohio	18
8IF	Urban, Raymond G	2248 E. 100th St., Cleveland, Ohio. Pine Ridge Rd., Buffalo, N. Y. 206 Frank St., Rochester, N. Y.	660
8ES	Van Hoesen, Claude L.	206 Fronk St. Rochester N. V.	60
8LI		206 W 0th St. Holland Mich	24
	Vanselow, Waldemar	206 W. 9th St., Holland, Mich	24
8GI	Wahl, Edward C	60 Stewart Ave., Buffalo, N. Y	
8OB	Waldrip, Laurence H	1000 Destan Di Cincinnati Olic	36
8FD	Walker, Carl	1626 Potter Pl., Cincinnati, Ohio	27
8OS	Walker, Harlan N	49 Rhode Island Ave., Detroit, Mich	440
8QH	Washington, Booker	724 Delaware Ave., Buffalo, N. Y	48
8ME	Washington, George F	37 Erie St., Washington, Pa	24
8NA	Waterman, Fred W	116 Broad St., Elyria, Ohio	936
8MU	Watson, Martin L	116 Alice St., Keyser, W. Va	18
8DD	Watts, Felix J	1118 Pearl St., Port Huron, Mich	900
8PW	Weaver, Frank M	2706 Toledo St., Pittsburgh, Pa	1,000
8RC	Weil, Norman C Weiser, Elmer P	231 Riley St., Buffalo, N. Y	300
8NX	Weiser, Elmer P	284 Brinkman St., Buffalo, N. Y	30
8HW	Wellington, Vernon D	511 Gibbs Ave., Wapakoneta, Ohio	32
8OR	Weny, Joseph C	58 Katherine Court, Allegan, Mich	550
8JS	West Tech Wireless Club	W. 93d St. and Willard Ave., Cleveland, Ohio.	1,000
8FS	Wheat, G. F. Roy		54
8HX	White, Chester A	605 Floyd Ave., Rome, N. Y	220
8FW	Whitehead, D. R	3349 Webster Ave., Pittsburgh, Pa	24
8DK	Whitmoyer, Ralph E	190 Frederick Ave., Detroit, Mich	24
8LK	Wieneke, Edward	128 Peterboro St., Detroit, Mich	20
8HP	Wilder John H		20
	Wilder, John H	194 Temple St., Fredonia, N. Y	
8IL	Williams Edward D	2321 Perrysville Ave. NS., Pittsburgh, Pa.	500
8KE	Williams, Edward R	2106 E. 83d St., Cleveland, Ohio	60
8DZ	Williams, Homer	28 Auburn St., Ashtabula, Ohio	12
8NG	Williams, Joseph H	195 Bird Ave., Buffalo, N. Y.	36
8PY	Williams, Roy J	499 Parsells Ave., Rochester, N. Y	24
8IW	Wilson, Mark E	323 12th St., Elyria, Ohio	500
8NE	Winglemire, Maurice	Saginaw St., Holly, Mich	1,000
8KH	Winston, Norman E		

54773°-14--10

AMATEUR RADIO STATIONS—EIGHTH DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
8SA 8LM 8SK 8OA 8DO 8QX 8GB	Wood, Dewey H	Glenwood, N. Y	Watts. 20 18 385 250 550 18
8GK 8RG		19 Darien St., Rochester, N. Y	16 18

ALPHABETICALLY BY CALL SIGNALS.

Callsignal.	Owner of station.	Call signal.	Owner of station.
8A.A	Anderson, Sidney E.	8BX	Hubbell, Aaron W.
8AB	Barr, Forrest L.	8BY	Schwindt, Herman J.
8AC	Becelaere, Lawrence H.	8BZ	Shumard, Asbury.
8AE	Berndt, William F.	ODE	Shumard, Asbury.
8AF	Brewer, George S.	8CA	Stueve, Everett S.
8AG	Broome, Donald W.	8CB	Thiessen, H. F. W.
8AH	Brown, Edward H.	8CC	Kesel, George.
8AJ	Clough, Bert E.	8CD	Sachs, Gus.
8AN	Davis, Frank.	8CE	Adler, Jerome.
8AO	Deighan, Edward I.	8CF	Hull, Guy McC.
8AP	Dorsch, George.	8CG	Hull, Ralph S.
8AQ	Ela, Edward C. and Willard C.	8CH	Paul, James T.
8AS	Feightner, Amos E.	8CI	Richards, Theodore D. and
8AT	France, William.		George B.
8AU	Frost, Harry E.	8CJ	Andrews, William S.
8AV	Fullwood, William R.	8CK	Smith, Roland C.
8AW	Gogel, Adelbert J.	8CL	Smith, G. C.
8AX	Gentzsch, Leonard H.	8CM	Thorn, Thomas H.
8AY	Grosse, Frederick W.	8CN	Sheppard, Hamilton W.
8AZ	Hansen, Edmund H.	8CP	Baker, Norman E.
	,,	8CQ	Brede, Erwin F.
8BA	Hiller, Herbert A.	8CR	Coven, Allen W.
8BB	Howes, Stanley L.	8CS	Howland, Dean W.
8BC	Holt, Nelson E.	8CT	Myers, Raymond W.
8BD	Hoch, Ellery T.	8CV	Smith, Lewis A.
8BE	Lippert, John P.	8CX	Phippeny, Forrest I.
8BF	Jarvis, Roy B.	8CY	Payne, Arthur F.
8BG	Kastenberg, Paul G.	8CZ	London, Henry J.
8BH	Kingsbury, Kenneth.		
8BI	Kroeger, Gustav H.	8DA	Rathbun, Hugh T.
8BJ	Kraus, Norman M.	8DB	Fellows, Bernard D.
8BK	Lappe, E. Robert.	8DC	Reb, Frank.
8BL	Leyh, Edward L.	8DD	Watts, Felix J.
8BN	Lovejoy, Julian.	8DE	Thomas, William K.
8B0	Lyons, Henry E.	8DF	Orrell, Robert W.
8BP	Macer, Arthur J.	8DG	Bremer, Edmund H.
8BQ	Menges, William E.	8DI	Barton, Charles E.
8BŘ	Miner, Simeon J.	8DJ	Phillips, Glenn E.
8B8	Mogridge, Clarence J.	8DK	Whitmoyer, Ralph E.
8BT	Ogle, Harry B.	8DL	Sisson, William A.
8BV	Gale, Roy H.	8DM	Bruns, Carl H.
8BW	Hermann, Harold N.	8DN	Knappen, Bert.

Amateur Radio Stations—Eighth District—Alphabetically by Call Signals—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	
8DO	Wright, Claude B.	8GA	Burr, Gordon.	
8DQ	Roemer, Hubert J.	8GB	Hill Top Y. M. C. A.	
8DŘ	Holmes, Charles E.	8GD	Donnelly, John J.	
8DS	Moynahan, Roy D.	8GE	Anderson, John M., jr.	
8DT	Rogers, Grant.	8GF	Erney, J. Clarence.	
8DU	Downing, Harry E.	8GG	Eucher, Clarence J.	
8DV	Cobb, Rupert G.	8GH	Glekler, Truman J.	
8DW	Apger, Charles O.	8GI	Wahl, Edward C.	
8DX	Porter, Harry T.	8ĞĴ	Green, Harold L.	
8DY	Pancoast, Donald F.	8GK	Young, Montgomery K.	
8DZ	Williams, Homer.	8GL	Konrad, Henry.	
	,	8GM	Adams, Ralph F.	
8EA	Mack, Clifford J.	8GN	Henninger, Alan E.	
8EB	Munsell, Robert S.	8GP	Hoffman, Edward H.	
8ED	Carver, Alfred J.	8GQ	Horn, Herbert E.	
8EE	Coleman, Clarence E.	8GŘ	Joecken, George I.	
8EF	Dorst, Edward.	8GS	Kneale, C. Kewley.	
8EG	Gebhard, Louis A.	8GT	Hamel, Arthur.	
8EH	Grove, Nelson B.	8GŪ	Loehr, George R.	
8EI	Gray, Clarence N.	8GV	Kleber, Jackson O.	
8EJ	Kolb, Edwin H.	8GW	Moffet, Floyd E.	
8EK	Kumpf, Elmer H.	8GX	Pentland, Henry B.	
8EL	Langenbach, Leo.	8GZ	Probeck, John.	
8EM	Murphy, John V.	1 000	2100000,000	
8EN	Shepard, Charles A.	8HA	Roblee, Judson.	
8EO	Stickney, Richard W.	8HB	Roberts, Hayden P.	
8EP	Scovill, Edward H.	8HC	Johnston, S. Paul.	
8EQ	Leighton, Clifford R.	8HD	Myers, Homer B.	
8ES	Van Hoesen, Claude L.	8HE	Stevenson, George L.	
8ET	Goettel, Edward V.	8HF	Shaney, Aubrey A.	
8EU	Carson, William J.	8HG	Schardt, Earl M.	
8EV	Mason, Carl D.	8HH	Schoren, William E.	
8EW	Rubel, Henry M., jr.	8HI	Schoren, William E. Barber, Nelson J.	
8EX	Henlein, Carl A.	8HJ	Terry, James E., jr.	
8EY	Blackmore, Andrew H.	8HK	Spiller, Archibald G.	
8EZ	McConaughy, Mary Alice.	8HL	McCamon, Aurel.	
		8HM	Lucas, Howard E.	
8FA	Fender, Clinton H.	8HN	Selinske, Louis.	
8FB	Britney, Dudley R.	8HO	Holt, George W.	
8FC	Holden, Ira S.	8HP	Wilder, John H.	
8FD	Walker, Carl.	8HQ	Poux, Noel J.	
8FE	Finch, Brent S.	8HR	Schouman, Hazen.	
8FF	Baker, Raymond S.	8HS	Berry, L. Mack.	
8FG	Hewitt, Charles P.	8HT	Romzick, Lawrence.	
8FH	Haynes, William.	8HU	Faroo, Glenn.	
8FI	Burger, Richard W.	8HV	Denniston, Harry J.	
8FJ	Clausing, Leroy M. E.	8HW	Wellington, Vernon D.	
8FK	Donehoo, Gray G.	8HX	White, Chester A.	
8FL	Donehoo, Gray G. Jenkins, William E.	8HY	Marshall, Floyd W.	
8FM	Olson, Milton E.	8HZ	Fraser, John W.	
8FN	Toland, Gerald H.		,	
8FO	Snyder, Norman G.	8IA	Bolton, Frederick R.	
8FQ	Remorino, L., ir.	8IB	Mielke, Carl E.	
8FŘ	Brownell, Elmer.	8IC	Hill, Charles C., jr.	
8 FS	Wheat, G. F. Roy.	8ID	Norris, George H.	
8FT	Spargo, James A., jr.	8IE	Cross, Gorham L.	
8FU	Blattner, E. Herman.	8IF	Urban, Raymond G.	
8FV	Backus, Harry F.	8IG	Neumann, Allen J.	
8FW	Whitehead, D. R.	811	Neumann, Allen J. Steim, L. Harold.	
8FY	Schwalb, Walter J.	8IJ	Diederich, Paul E.	
8FZ	Bennett, Edward J.	8IK	Mellon, J. H.	

Amateur Radio Stations—Eighth District—Alphabetically by Call Signals—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
8IL	Williams, Burton P.	8KW	Kohler, Harry W.
8IM	Nichols, D. A.	8KX	Cuff, Harold C.
8IN	Miller, Kenneth.	8KY	Kunnar, William.
810	Roe, Howard L.	8KZ	Landgraff, William J.
8IP	Trotter, Robert J.	OKZ	Landgran, william J.
		OT A	Mason Goorge 9
8IQ	Richard, Roy H.	8LA	Mason, George S.
8IR	Miller, Arthur P.	8LB	Purves, Stuart S.
8IS	Middleton, Charles.	8LC	Ramge, Edwin H.
8IT	Cross, Gorham L.	8LD	Rice, Homer D.
8IU	Clarke, Andrew W.	8LE	Scott, Hoyt S.
8IV	Scott, Gail.	8LF	Saunders, Ezra L.
8IW	Wilson, Mark E.	8LG	Sibert, Richard E.
8IX	Newman, Arthur J.	8LH	Stauft, Jacob L.
8IY	Swain, Herbert N	8LI	Vanselow, Waldemar
8IZ	Steinman, Dwight H.	8LJ	Baxter, Raymond L.
		8LK	Wieneke, Edward.
8JA	Gunn, Rose.	8LL	Schwanecamp, Raymond
8JB	Beare, George L.	8LM	Wood, John P.
8JC	Schoenhen, Edwin B.	8LN	Spaulding, Ray F.
8JD	Heiser, Ernest J.	8LO	Breckel, Harry F.
8JE	Twitchell, Herbert D.	8LP	Bly, Ralph.
8JF	Pleckenpol, Ernest.	8LQ	Dunlan, Orrin E., ir.
8JG	Lord, Donald M.	8LŘ	Davis, Charles W.
8JH	Edwards, C. Beaver.	8LS	Ferris, Warren O.
8JK	Jackson, Cotesworth M.	8LT	Fryman, Zalman B.
8JL	Appleton, Francis W.	8LU	Hewitt, James F.
8JÖ	Little, Donald G.	8LV	Lindow, Daniel A.
8JP	Becker, Freeman A.	8LW	Philepp, Lawrence A.
aj Q	Lusink, C. Irving	8LX	Reitt, Arthur A.
8JŘ	Sherrill, Alvan C.	8LY	Rose, Herman
8JS	West Tech Wireless Club.	8LZ	Sharbaugh, Wilbur.
SIT		8112	· Sharbaugh, Whom.
	Aldridge George P	8MA	Schulz Edward G
81V	Aldridge, George P.	8MB	Schulz, Edward G. Maxon, Harry L.
	Kreighbaum, Cyril H.		
8JW	Anderson, Joseph D.	8MC	Holmes, Charles A.
8JX	MacCandless, Lyon H.	8MD	Hall, Eldred R.
8JZ	Manning, Alfred J.	8ME	Washington, George F.
	4 1 D B	8MF	Robbin, Milo H.
8KA	Ankerman, Roy E.	8MG	Fish, J. Mulford.
8KB	Core, Eugene D.	8MH	Bushnell, Clarence E.
8KC	Manning, Jerry J.	8MI ,	Manning, Howard H. Cahow, Paul D.
8KD	Benjamin, Carliele.	8MJ	Cahow, Paul D.
8KE	Williams, Edward R.	8MK	Finch, William G. H.
8KF	Broughton, Harry J.	8ML	Lovell, Charles L.
8KG	Camp, John D.	8MM	Benzee, Arthur H., jr.
8KH	Winston, Norman E.	8MO	Corts, Raymond E.
8KI	Flint High School.	8MP	Neupert, Robert E.
8KJ	Des Jardins, Gregory T.	8MQ	Dear, Harry D.
8KK	Devaney, Richard G.	8MR	Livinggood, Hubert W.
8KL	Dreifus, Fred B.	8MS	Ritchie, Ole B.
8KM	Eden, Henley S.	8MT	Liller, William P.
8KN	Tyne, Gerald F.	8MU	Watson, Martin L.
8KO	Combs, Frayne.	8MV	Carson, William H.
8KP	Fuss, Chester G.	8MW	Carson, William H. Follet, Louis, jr.
8KQ	Fisher, Earl U.	8MX	De Rose, Ralph.
8KŘ	Hills, Virgil A.	8MY	Fisher, Harold W.
	Gidnall Pohow C	8MZ	Davison, John.
8KS	Sidnell, Robert G.	OML	Lavisui, Juin.
8KT	Benzee, Joseph M.	ONTA	Waterman Fred W
8KU	Jones, Miller.	8NA	Waterman, Fred W.
8KV	Dobbie, John, jr.	8NB	Chaffee, C. Lloyd.

AMATEUR RADIO STATIONS—EIGHTH DISTRICT—ALPHABETICALLY BY CALL SIGNALS—Continued.

Callsignal.	Owner of station.	Call signal.	Owner of station.
8NC	Coolidge, James H., 3d.	8PI	Day, James M.
8ND	Grigg, Arthur.	8PJ	Ehrick, William F.
8NE	Winglemire, Maurice.	8PK	Gamble, Frederick D.
8NF	House, Elra E.	8PL	Higgins, Robert R.
8NG	Williams, Joseph H.	8PM	Higgy, Robert C.
8NH	Hyatt, Bunyan J.	8PN	Ritchie, Burrus L.
8NI	Daniels, Worth D.	8PO	Schaaf, John M.
	Bartholomow William F	8PP	
8NJ	Bartholomew, William F.	8PQ	Butcher, W. Byron.
8NK	Steinhoff, Charles F.	8PŘ	Shaw, Eurcile L.
8NL	Budwig, Gilbert G.		Stiveson, Andrew.
8NM	Keen, William L.	8PS	Hart, John R.
8NN	Hahn, Ralph H.	8PT	Hornung, Romey W.
8NO	Hansen, Torvald.	8PU	Imbt, Russell.
8NP	Henderson, Earl G.	8PV	Pearson, Harry.
8NQ	Robbins, Melvin G.	8PW	Weaver, Frank M.
8NR	Stenger, John H.	8PX	Marsh, Harry H., jr.
8NS	Beck, Frank G.	8PY	Williams, Roy J.
8NT	Maue, Leon G.	8PZ	Bishop, Carryl L.
8NU	Brown, Willard S.		
8NV	Harrison, P. William, jr.	8QA	Ferguson, James G.
8NW	Hankin, John H.	8QB	Haderer, John.
8NX	Weiser, Elmer P.	8QC	Hauck, Roland E.
8NY	Straub, John O.	8QE	Kester, Harold P.
8NZ	Payne, William H.	8QF	Klinck, Charles C., jr. Lewis, Walter E.
		∥ 8QG	Lewis, Walter E.
8OA	Worbass, Raymond K.	∥ 8QH	Washington, Booker.
8OB	Waldrip, Laurence H.	8QI	McEniry, Clifford U.
8OC	Kuehnle, George J.	∥ 8QJ	Bornman, Frederick D.
8OD	Luedeke, William P., jr.	8QK	Jones, Edwin P.
8OE	Smith, Verne E.	8QL	Emmert, Herman C.
8OF	Goodwin, Seth A.	8QM	Jones, Jesse K.
8OG	Brink, Frank J.	8QN	Given, Everett J.
8OH	Swisher, Oka V.	800	Kirly, H. Howard.
80I	Patterson, Grant, jr.	8QP	Powell, Ralph C.
8OJ	Furlong, Marcie J.	8QQ	Kampfe, Norbert J.
8OK	Scheib, Joseph.	8QR ·	Grostick, George E.
8OL	Storn Frod W	8QS	Brow, Robert.
	Stern, Fred W.	∥ 8QT	
8OM	Balsley, James I.		Sly, Edward E.
8ON	Ilgenfritz, Lester M.	∥ 8QU	Schunck, Robert F.
800	Bird, Harold C.	8QV	Hogan, James E.
8OP	Reynolds, Charles L.	8QW	Potts, Charles G.
80Q	Butzler, Harry.	8QX	Young, Charles A.
8OR	Weny, Joseph C.	8QY	Martin, Cecil E.
80S	Walker, Harlan N.	8QZ	Fletcher, Vernon.
8OT	Foster, Frank, jr.	070.4	71 O O
8OU	Boyer, Harry.	8RA	Klager, Oscar C.
8OV	Marcum, Richard.	8RB	Knapp, Harold.
80W	Dotterweich, Joseph H.	8RC	Weil, Norman C.
80X	Dreux, Alexander J.	8RD	Burr, Roy C.
8OY	McElhinny, J. Schubert.	8RE	Frank, Alfred.
8OZ	Fleming, James J.	8RF	Ritchie, Carl L.
	-	8RG	Zittel, Howell E.
8PA	Boekeloo, Ross M.	8RH	Blum, Robert A.
8PB	Henika, Charles F.	8RI	Beeler, Hughes.
$8\overline{PC}$	Kersting, Ferdinand.	8RJ	Irvine, Robert P.
8PD	Kersting, Ferdinand. Krause, Karl A.	8RK	Dalrymple, Clarence F.
8PE	Lucas, Clarence E.	8RL	Last, George.
8PF	Malbin, Samuel.	8RM	Smith, Harold M.
8PG	Sherman, Fred.	8RO	Gwinner, Frederick, 3d.
8PH	Slyfield, Charles O.	8RP	Amos, Clyde O.

AMATEUR RADIO STATIONS-EIGHTH DISTRICT-ALPHABETICALLY BY OWNERS OF STATIONS-Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
8RQ	Ashtabula High School.	8SE	Falck, Norman B.
8RR	Hull, Earl C.	8SF	Fowler, Robert J.
8RT	Ubersax, Delmar G.	8SG	Pesek, Miro R.
8RU	Staaf, Werner.	8SH	Spotts, Ralph T.
8RV	Marshall, Frank J.	8SI	Beach, Walter R.
8RW	Schmidle, Claude.	8SJ	Ottney, James N.
8RX	Barringer, Russ.	8SK	Woodcock, William D.
8RY	Goetz, Carl P.	88L	Stenzel, Arthur W.
8RZ	Fritz, Rudolph A.	8SM	Coleman, H. Burr.
	,	8SN	Glatzel, Earle D.
8SA	Wood, Dewey H.	880	Maggs, H. Carrol.
8SB	Schmidt, Norman F.	8SP	Rich, Harland E.
8SC	Bidwell, Paul.	8SQ	Clarke, John H.
8SD	Schindler, Louis J.		,

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.

Callsignal.	Owner of station.	Location of station.	Power
			Watts
9FN	Abraham, Walter H	1204½ W. 5th St., Davenport, Iowa	10
9EX	Adolfson, George S	5229 Colorado St., Duluth, Minn	77
9BF	Afanasiew, Nick	1265 S. Bannock St., Denver, Colo	30
9FC	Anders, Harry R	4811 West End Ave., Chicago, Ill	49
9CF	Anderson, Adolf G	502 St. Lawrence Ave., Beloit, Wis	50
9GW	Arnold, Ercil	Chapman, Kans	25
9CO	Bantz, Russell	414 22d Ave., Milwaukee. Wis	5
9DA	Berger, Frank G	1425 Edgemont Ave., Chicago, Ill	22
9HE	Bergvall, Royal C. and Wesley E.	Stephenson, Wis	2
9AS	Billiter, Earle D	2610 S. Dupont Ave., Minneapolis, Minn	1,00
9DJ	Biltonen, William A	Houghton, Mich	5
9GB	Boess, Murray R	Lake Bluff, Ill	2
9BU	Brown, Clarence L	1022 E. Tabor St., Indianapolis, Ind	50
9AD	Bryant, Stanley C	2439 Mozart St., Chicago, Ill	15
9CR	Buehner, Howard	381 19th Ave., Milwaukee, Wis	
9GY	Bullock, Asa C	Hobart, Ind.	1,00
9ED	Burgess, Charles M	Geneva, Ill	
9GX	Capper, Earl W	Letts Corner, Ind	2
9BJ	Chapin, Edwin C	79 Washington St., Denver, Colo	50
9FI	Chaudet, William J	4176-A Delmar Blvd., St. Louis, Mo	50
9DP	Clark, Bayard H	205 Augusta Ave., De Kalb, Ill	1,00
9GU	Clayton, Homer E	680 Arch St., Indianaoplis, Ind	77
9BK	Clemons, G. H	Storm Lake, Iowa	5
9CN	Cobb, Merle	Elkhorn, Wis	5
9GV	Coles, James A	1500 Park Ave., Minneapolis, Minn	6
9BG	Connell, John F	205 E. Jackson St., Attica, Ind	5
9ET	Conzelman, J. Wilson	5207 Ridge Ave., St. Louis, Mo	77
9DI	Cottrell, W. Roscoe	Prairie City, Iowa	5
9EQ	Cruikshank, Charles A., jr.	1000 Bird St., Hannibal, Mo	66
9GN	Curtis, Charles D	High School Bldg., Pembina, N. Dak	10
9AI	Cutting, Irving E	3611 Galena St., Milwaukee, Wis	70
9FH	Dahm, Henry L	5932 Plymouth Ave., St. Louis, Mo	

Callsignal.	Owner of station.	Location of station.	Power.
			Watts.
9DF	Dangerfield, Alfred H	405 Moffett Ave., Joplin, Mo	275
9EZ	Davis, Richard M	1065 Yuma St., Denver, Colo	40
9EG	Dean, Carl W	3115 N. Capitol Ave., Indianapolis, Ind	460
9GP	Denny, L. Erle	Sorento, Ill	24
9FE	Dunklan, George	2634 Cottage Grove Ave., Chicago, Ill	250
9BT	Duquette, Herbert E	500 Glen Ave., Council Bluffs, Iowa	250
9CW	Egloff, Martin F	2729 W. Noble Ave., Chicago, Ill	400
9EN	Fisher, Ralph	918 S. 7th St., Fargo, N. Dak.	330
9BN	Flynn, John H., jr	228 E. 5th St., Newport, Ky	1,000
9AM	Foster, Edwin J.	925 Winchester St., Milwaukee, Wis	750
9AX			
9EK	French Newell F	3 E. Armour Blvd., Kansas City, Mo	1,000
9BO	French, Newell E	1722 Maple St., Racine, Wis	250
	Fry, Claud	833 W. 12th St., Des Moines, Iowa	50
9BP	Gatzek, Richard	317 S. 5th St., Richmond, Ind	450
9AZ	Gerhard, George J	1710 Dorcas St., Omaha, Nebr.	250
9DL	Goodell, Myron L	613 N. Broadway, Abilene, Kans	250
9ES	Graham, Walter N., jr	4842 Mattitt Ave., St. Louis, Mo	110
9FT	Graves, G. G.	Woodstock, Ill	60
9GT	Grecian, Everett	Hill City, Kans.	1,000
9AB	Groskopf, William L	4816 W. Berteau Ave., Chicago, Ill	250
9AE	Gundlach, Waldo L	1837 Pratt Ave., Chicago, Ill	20
9GG	Hagen, Edwin	2330 Banks Ave., Superior, Wis	220
9AV	Hamel, Walter H	1006 S. 14th St., Lafayette, Ind	
9CV	Hamilton, Leo L	111 Brainard St., Harvard, Ill	500
9CE	Hansen, Leland H	1123 Herrick Ave., Racine, Wis	500
9GI	Hanson, Frederick R. A.	477 31st Ave., Milwaukee, Wis	24
9BX	Hantzsch, Ralph E	1161 Island Ave., Milwaukee, Wis	275
9CJ	Harry, Charles	Quincy and Douglas Sts., Houghton, Mich	660
9FL	Hauck, George	218 Chestnut St., Newport, Ky	16
9CX	Haynes, Roy	6939 May St., Chicago, Ill	420
9FR	Heckenkamp, Emile B	300 E St., Belleville, Ill	770
9CP	Held, William J	770 Washington St., Milwaukee, Wis	50
9CU	Hieronymus, Thomas G.	3512 Independence Ave., Kansas City, Mo	50
9DG	Hilgenberg, Noble C	827 N. Capitol Ave., Indianapolis, Ind	50
9AR	Hines, Gene	1209 W. 25th St., Minneapolis, Minn	250
9AF	Hollister, Harold A	370 18th Ave., Milwaukee, Wis	200
9FQ	Hood, Norman R	Y. M. C. A. Bldg., Burlington, Iowa	20
9FF	Hughes, Walter J.	4100 State St., Chicago, Ill	25
9GZ	Ihl, G. Sheridan	3834 N. 25th St., St. Louis, Mo	330
9EW			30
9BI	Jackson, Arved C	910 N. Girard Ave., Minneapolis, Minn	50
9DE	Jens, Elmer	1401 3d St., Davenport, Iowa	450
ane	Jensen, Arnold L	334 High School Ave., Council Bluffs,	700
OCT	Tohmson August D	lowa. Houghton Mich	E/A
9CI	Johnson, August R	Houghton, Mich	50 50
9BS	Jorgenson, Harold	941 Herrick Ave., Racine, Wis	50
9CZ	Joyce, Raymond A	516 E. 41st St., Chicago, Ill	500
9BD	Keeler, Fayette W	1807 Cumming Ave., Superior, Wis	1,000
9EH	Kegley, William F	2430 Kenwood Ave., Indianapolis, Ind	1,000
9BY	Kennan, Richard C	3170 N. Illinois St., Indianapolis, Ind	250
9FA	King, Lawrence	416 W. Michigan St., New Carlisle, Ind	495
9AA	Klentz, Clarence	3809 Vincennes Ave., Chicago, Ill	500
9CM	Klicpera, Milhart F	1705 Douglas Ave., Racine, Wis	500
9DH	Knehans, Irwin N	7 S. Sprigg St., Cape Girardeau, Mo	250
9DB	Knotts, H. J. E	Illiopolis, Ill	60
9AK	Kottler, Carl F	1035 2d St., Milwaukee, Wis	
9EJ	Kreis, Érwin	542 35th St., Milwaukee, Wis	18
9FU	La Duke, Earl R	1100 S. Josephine St., Denver, Colo	250
9EU	Landis, Ćlyde L	3020 S. Bryant Ave., Minneapolis, Minn.	250
9EC	Lebo, Robert B	1306 Main St., Richmond, Ind	700
9AO	Lipman, Theodore E. K.		1,000

Amateur Radio Stations—Ninth District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Watts.
9GK	Lobas, John	635 31st St., Milwaukee, Wis	24
9GL	Long, Frank A	6046 Woodlawn Ave., Chicago, Ill	440
9EM	Love, Andrew A., jr	812 S. 7th St., Fargo, N. Dak	110
9CK	Lowe, Meredith B	2371 E. Pratt St., Indianapolis, Ind	50
9CG	Mahan, Joe R.	214 S. 6th St., Independence, Kans	280
9FB	Martin, John J	2107 Adams St., Chicago, Ill.	220
9AG	Marx, Gustav A	3341 15th St., Milwaukee, Wis	
9BB	Mattenheimer, Ervin B.	559 Lexington Ave., Newport, Ky	8
9AC	McGuffage, William J	4418 Wabash Ave., Chicago, Ill	500
9ER 9FZ	McLoad, Kenneth McManus, John C	3962-A Blaine Ave., St. Louis, Mo 1001 Morgan St., Keokuk, Iowa	550 150
9BH			500
9CD	Miller, R. Boyce Moen, Vere	400 S. 16th St., Independence, Kans 216 Cedar St., Boone, Iowa	50
9BR	Moore, Robert R	200 E. Armour Blvd., Kansas City, Mo.	1,000
9FW	Moreland, Henry F	1009 Washington Ave., Cairo, Ill	400
9AP	Morgan, Hiram	R. F. D. No. 30, Beloit, Wis	1,000
9GF	Mueller, Carl E	1010 S. Pierce St., Milwaukee, Wis	24
9EL	Murphy, James P	Broadland, S. Dak	30
9BE	Myers, Delbert	Amboy, Ind.	48
9BQ	Nelson, Eddie	731 N. 3d St., Fargo, N. Dak	550
9CA	Norene, Raymond E	2558 Avenue A, Council Bluffs, Iowa	220
9FK	Oetjen, Richard J	Williams Bay, Wis	500
9DK	O'Neil, Donald H. C	5740 Bartmer Ave., St. Louis, Mo	600
9FY	Pagett, Harry L	1027 Fulton St., Keokuk, Iowa	18
9BL	Perine, W. B	1728 Hall Pl., Indianapolis, Ind	500
9CC	Pierson, Oscar E	Williams Bay, Wis	60
9HD	Prahl, Louis	463 10th Ave., Milwaukee, Wis	24
9FM	Preuss, Arthur C	212 E. 9th St., Newport, Ky.	10
9AY	Quinby, Porter H	114 S. 19th St., Omaha, Nebr	20
9GA	Racke, Arthur L	31 18th St., Newport, Ky	490
9CS	Ragan, Tate V	523 Garfield Ave., Kansas City, Mo	
9FO	Rehm, Ralph E	1102 N. 3d St., Kansas City, Kans	160
9BW	Reinhardt, William	3437 Taylor St., Omaha, Nebr	250
9FS	Reineke, Éarl C	1019 S. 5th Ave., Fargo, N. Dak	1,000
9CH	Riggin, Benjamin F	2112 Ammie Ave., Kansas City, Mo	50
9AQ	Riner, John A	High School, Beloit, Wis	1,000
9EO	Rivett, Ralph	1934 Garfield Ave., Lincoln, Nebr	400
9GS	Robbins, Donald T	15 W. 58th St., Kansas City, Mo	24
9EV	Sandquist, Reuben G	1122 W. Erie St., Chicago, Ill	20
9FV	Saunders, P. Bushnell	700 E. 4th St., Delta, Colo	550
9AL	Schroeder, Walter	647 Washington St., Milwaukee, Wis	
9DN	Sears, Charles L	1322 Bayard Ave., St. Louis, Mo	185
9GH	Sever, Harold C	303 E. Broadway, Pleasant Plains, Ill	40
9BM	Shively, Roy J	827 S. 29th St., Omaha, Nebr	500
9EF	Shotwell, Harold H	446 W. 61st Pl., Chicago, Ill	770
9AJ	Siegel, Robert C	478 Potter Ave., Milwaukee, Wis	800
9EE	Silcox, Harry	1526 S. New Jersey St., Indianapolis, Ind.	
9GJ	Simpson, Virgil S	1380 Union Ave., St. Louis, Mo	550
9GE	Smith, Hubert A	301 W. Illinois St., Urbana, Ill	1,000
9BA	Smith, Paul C	Mulberry, Ind	60
9FX	Smith, Wilson	5256 Footon Ave. St. Louis Mo.	450
9DO	Snyder, W. Roy	5356 Easton Ave., St. Louis, Mo	
9EI 9GM	Spaniol, John T	1324 Harrison St., Superior, Wis	
9AT	Sproehnle, John R	5809 Blackstone Ave., Chicago, Ill	
9AW	Stetson, Donald T Stewart, Albert H	2162 Carrol Ave., St. Paul, Minn	
9EA		522 Ann St., Frankfort, Ky 511 S. 4th St., Moorhead, Minn	
9FP	Stribley, Orris J Tawkes, Charles E	503 Hill St., Dubuque, Iowa	
9AU	Taylor, Thomas J	1846 Lincoln Ave., St. Paul, Minn	280
9BC	Thesing, Herman		

Amateur Radio Stations—Ninth District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Watts.
9AH	Thomas, Carroll W	266 17th St., Milwaukee, Wis	12
9GO	Thompson, Harry E	712 E. Madison St., Belvidere, Ill	100
9GD	Thompson, Hugh L	3810 Walnut St., Kansas City, Mo	24
9EB	Tomann, Orville R	R. F. D. No. 1, Ellsworth, Wis	24
9DD	Tschernitz, Frank	315 Chestnut St., Milwaukee, Wis	250
9EY	Urguhart, David G	110 S. Irving Ave., Chicago, Ill	32
9BZ	Van Deusen, Arthur S., jr		200
9BV	Van Slyck, Wellington	836 Main St., Lake Geneva, Wis	250
9DC	Wanner, Theodore L	Fargo, N. Dak	1,000
9CT	Wember, Anthony A	89 13th St., North Chicago, Ill	550
9CQ.	Weyant, James E	Shortridge High School, Indianapolis, Ind	350
9CL	Whitaker, Harold P	1004 10th St., Racine, Wis	50
9GQ	Wiggin, Parker E	737 Waverly Ave., Kansas City, Kans	550
9ÃÑ	Willett, Charles J	425 Clement Ave., Milwaukee, Wis	440
9FG	Wilson, Gilbert M	718 S. 10th St., La Fayette, Ind	495
9EP	Wilson, Guy E	3922 Flora Ave., Kansas City, Mo	40
9HA	Woods, William E	4536-A Laclede Ave., St. Louis, Mo	500
9CY	Wooster, Stanley W	5531 Lowe Ave., Chicago, Ill	420
9FJ	Wyckoff, Ralph R	167 Diamond St., Houghton, Mich	27
9HB	Youker, J. Clayton	Lake Bluff, Ill.	24
9DM	Ziesenis, Harry	700 Mississippi St., Lawrence, Kans	550

ALPHABETICALLY BY CALL SIGNALS.

Call signal.	Owner of station.	Call signal.	Owner of station.
9AA	Klentz, Clarence.	9BF	Afanasiew, Nick.
9AB	Groskopf, William L.	9BG	Connell, John F.
9AC	McGuffage, William J.	9BH	Miller, R. Boyce.
9AD	Bryant, Stanley C.	9BI	Jens, Élmer.
9AE	Gundlach, Waldo L.	9BJ	Chapia, Edwin C.
9AF	Hollister, Harold A.	9BK	Clemons, G. H.
9AG	Marx, Gustav A.	9BL	Perine, W. B.
9AH	Thomas, Carroll W.	9BM	Shively, Roy J.
9AI	Cutting, Irving E.	9BN	Flynn, John H., jr.
9AJ	Siegel, Robert C.	9BO	Fry, Claud.
9AK	Kottler, Carl F.	9BP	Gatzek, Richard.
9AL	Schroeder, Walter.	9BQ	Nelson, Eddie.
9AM	Foster, Edwin J.	9BR	Moore, Robert R.
9AN	Willett, Charles J.	9BS	Jorgenson, Harold.
9AO	Lipman, Theodore E. K.	9BT	Duquette, Herbert E.
9AP	Morgan, Hiram.	9BU	Brown, Clarence L.
9AQ	Riner, John A.	9BV	Van Slyck, Wellington.
9AR	Hines, Gene.	9BW	Reinhardt, William.
9AS	Billiter, Earle D.	9BX	Hantzsch, Ralph E.
9AT	Stetson, Donald T.	9BY	Kennan, Richard C.
9AU	Taylor, Thomas J.	9BZ	Van Deusen, Arthur S., jr.
9AV	Hamel, Walter H.		
9AW	Stewart, Albert H.	9CA	Norene, Raymond E.
9AX	Fowler, Harry A.	9CC	Pierson, Oscar E.
9AY	Quinby, Porter H.	9CD	Moen, Vere.
9AZ	Gerhard, George J.	9CE	Hansen, Leland H.
		9CF	Anderson, Adolf G.
9BA	Smith, Paul C.	9CG	Mahan, Joe R.
9BB	Mattenheimer, Ervin B.	9CH	Riggin, Benjamin F.
9BC	Thesing, Herman.	9CI	Johnson, August R.
9BD	Keeler, Fayette W.	9CJ	Harry, Charles.
9BE	Myers, Delbert.	∥ 9CK	Lowe, Meredith B.

Amateur Radio Stations—Ninth District—Alphabetically by Call Signals—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
9CL	Whitaker, Harold P.	9FA	King, Lawrence
9CM	Klicpera, Milhart F.	9FB	Martin, John J.
9CN	Cobb. Merle.	9FC	Anders, Harry R.
9CO	Bantz, Russell. Held, William J.	9FE	Dunklan, George,
9CP	Held William J	9FF	Dunklan, George. Hughes, Walter J.
9CQ	Weyant, James E.	9FG	Wilson, Gilbert M.
9CR	Buehner, Howard.	9FH	Wilson, Gilbert M. Dahm, Henry L.
9CS	Ragan, Tate V.	9FI	Chaudet, William J.
9CT	Wember, Anthony A.	9FJ	Wyckoff, Ralph R.
9ČŪ	Hieronymus, Thomas G.	9FK	Oetjen, Richard J.
9CV	Hamilton, Leo L.	9FL	Hauck, George.
9CW	Egloff, Martin F.	9FM	Preuss, Arthur C.
9CX	Haynes, Roy.	9FN	Abraham, Walter H.
9CY		9FO	Rehm, Ralph E.
9CZ	Wooster, Stanley W.	9FP	
802	Joyce, Raymond A.		Tawkes, Charles E.
ODA	Rosson Fronk C	9FQ 9FR	Hood, Norman R.
9DA	Berger, Frank G.		Heckencamp, Emile B.
9DB	Knotts, H. J. E.	9FS	Reineke, Earl C.
9DC	Wanner, Theodore L.	9FT	Graves, G. G.
9DD	Techernitz, Frank.	9FU	La Duke, Earl R.
9DE	Jensen, Arnold L.	9FV	Saunders, P. Bushnell.
9DF	Dangerfield, Alfred H.	9FW	Moreland, Henry F.
9DG	Hilgenberg, Noble C.	9FX	Smith, Wilson. Pagett, Harry L.
9DH	Hilgenberg, Noble C. Knehans, Irwin N. Cottrell, W. Roscoe.	9FY	
9DI	Cottrell, W. Roscoe.	9FZ	McManus, John C.
9DJ	Biltonen, William A.		
9DK	O'Neil, Donald H. C.	9GA	Racke, Arthur L.
9DL	Goodell, Myron L.	9GB	Boess, Murray R.
9DM	Ziesenis, Harry.	9GD	Thompson, Hugh L.
9DN	Sears, Charles L.	9GE	Smith, Hubert A.
9DO	Snyder, W. Roy.	9GF	Mueller, Carl E.
9DP	Clark, Bayard H.	9GG	Hagen, Edwin.
		9GH	Sever, Harold C.
9EA	Stribley, Orris J.	9GI	Hanson, Frederick R. A.
9EB	Tomann, Orville R.		
9EC	Lebo, Robert B.	9GJ	Simpson, Virgil S.
9ED	Burgess, Charles M.	9GK	Lobas, John.
9EE	Silcox, Harry.	9GL	Lobas, John. Long, Frank A.
9EF	Shotwell, Harold H.	9GM	Sproehnle, John R.
9EG	Dean, Carl W.	9GN	Curtis, Charles D.
9EH	Kegley, William F.	9GO	Thompson, Harry E.
9EI	Kegley, William F. Spaniol, John T.	9GP	Denny, L. Erle.
9EJ	Kreis, Erwin.	9GQ	Wiggin, Parker E.
9EK	French, Newell E.	9GS	Robbins, Donald T.
9EL	Murphy, James P.	9GT	Grecian, Everett.
9EM	Love, Andrew A., jr.	9ĞÛ	Clayton, Homer E.
9EN	Fisher, Ralph.	9GV	Coles, James A.
9EO	Rivett, Ralph.	9GW	Arnold, Ercil.
9EP	Wilson, Guy E.	9GX	Capper, Earl W.
9EQ	Cruikshank, Charles A., jr.	9GY	Bullock, Ass. C.
9EŘ		9GŽ	Ihl, G. Sheridan.
9ES	McLoad, Kenneth. Graham, Walter N., jr.	802	ini, d. bildidan.
9ET	Conzelman, J. Wilson.	9HA	Woods William E
9EU		9HB	Woods, William E.
	Landis, Clyde L.		Youker, J. Clayton.
9EV	Sandquist, Reuben G.	9HD	Prahl, Louis.
9EW	Jackson, Arved C.	9HE	Bergvall, Royal C. and Wesley
9EX	Adolfson, George S.		
9EY	Urquhart, David G.		
9EZ	Davis, Richard M.	II.	

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DEPARTMENT OF COMMERCE BUREAU OF NAVIONETAN OF ALL OS LORGE

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RADIO STATIONS OF THE UNITED STATES

EDITION JULY 1, 1915



WASHINGTON GOVERNMENT PRINTING OFFICE 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.

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CONTENTS.

	· ·	Page.
	Introduction	5
1	Land radio stations, alphabetically by names of stations	
	Ship radio stations, alphabetically by names of vessels	
	Land and ship radio stations, alphabetically by call signals	
	Special land radio stations, alphabetically by names of stations	62
	Special land radio stations, grouped by districts	66
	Amateur radio stations	. 68
	First district (headquarters, Boston, Mass.)	. 68
	Alphabetically by owners of stations	. 68
	Alphabetically by call signals	. 7 7
	Second district (headquarters, New York, N. Y.)	
	Alphabetically by owners of stations	. 8 2
	Alphabetically by call signals	93
	Third district (headquarters, Baltimore, Md.)	. 98
	Alphabetically by owners of stations	
	Alphabetically by call signals	110
	Fourth district (headquarters, Savannah, Ga.)	116
	Alphabetically by owners of stations	116
	/ Alphabetically by call signals	
	Fifth district (headquarters, New Orleans, La.)	
(Alphabetically by owners of stations	. 118
-	Alphabetically by call signals	
-	Sixth district (headquarters, San Francisco, Cal.)	
-	Alphabetically by owners of stations	
(Seventh district (headquarters, Seattle, Wash.)	
6	Alphabetically by owners of stations	
	A lark a k a Air a llar kan a a ll airea a la	
811	Eighth district (headquarters, Cleveland, Ohio)	
=	Alphabetically by owners of stations	
	Alphabetically by call signals	
3	Ninth district (headquarters, Chicago, Ill.)	
	Alphabetically by owners of stations	
		. 164
	Appendix	. 169
•	Transmission of time signals by naval radio stations	
	Transmission of weather reports by naval radio stations	. 170
	International Morse code and conventional signals	
	List of abbreviations to be used in radio communication	. 174

NOTES.

Supplements, under the title "Radio Service Bulletin," will be 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 Radio-telegraph 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.

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.

Assn. = Association.

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.

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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. B.....All to Great Britain. CAA to CEZ..Chile. CFA to CMZ...Not yet assigned. CNA to CNZ.. Morocco. COA to COZ...Not yet assigned. CPA to CPZ...Bolivia. CQA to CQZ...Monaco. EHA to EZZ. . Not yet assigned.

CRA to CTZ...Portugal and colonies. CUA to CUZ..Not yet assigned. CVA to CVZ...Roumania. CWA to CWZ.. Uruguay. CXA to CZZ...Not yet assigned. D..... All to Germany and protectorates. EAA to EGZ. . Spain and colonies.

F All to France and colonies.	RAll to Russia.
GAll to Great Britain.	SAA to SMZSweden.
HAA to HFZ. Austria-Hungary and Bos-	SNA to STZBrazil.
nia-Herzegovina.	SUA to SUZEgypt.
HGA to HHZSiam.	SVA to SZZGreece.
HIA to HIZ Dominican Republic.	TAA to TMZTurkey.
HJA to HKZ Colombia (Republic).	TNA to TZZGermany and protecto-
HLA to HZZNot yet assigned.	rates.
IAll to Italy and colonies.	UAA to UMZFrance and colonies.
JAll to Japan and posses-	UNA to UZZAustria-Hungary and Bos-
sions.	nia-Herzegovina.
KAA to KCZGermany and protecto-	VAA to VGZCanada (British).
rates.	VHA to VKZ. Australian Federation
KDA to KZZ United States.	(British).
LAA to LHZNorway.	VLA to VMZNew Zealand (British).
LIA to LRZ. Argentine Republic.	VNA to VNZSouth African Union
LSA to LWZNot yet assigned.	(British).
LXA to LZZBulgaria.	VOA to VOZNewfoundland (British).
MAll to Great Britain.	VPA to VSZBritish colonies not au-
NAll to the United States.	tonomous.
OAA to OFZ Not yet assigned.	VTA to VWZ. British India.
OGA to OMZAustria-Hungary and Bos-	VXA to VXZ Newfoundland (British).
nia-Herzegovina.	VYA to VZZGreat Britain.
ONA to OTZBelgium ando clonies.	WAll to the United States.
OUA to OZZ Denmark.	XAA to XDZMexico.
PAA to PIZNetherlands.	XEA to XMZNot yet assigned.
PJA to PJMCuração (Dutch).	XNA to XSZ China.
PJN to PJZSurinam (Dutch).	XTA to XZZNot yet assigned
PKA to PMZDutch East Indies.	YAll to Great Britain.
PNA to PZZBrazil.	ZAll to Great Britain.
QReserved for code abbreviations.	
viations.	

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.
- 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.
- 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. CLEVELAND, OHIO.....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 given in francs, but may be converted into dollars and cents by multiplying by five. 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 transoceanic 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:

E. F. SWEET,

Acting Secretary.



LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS.

[This list includes Government, commercial, special, and all other land stations except special and restricted and general amateur.]

Station.	Call signal.	Wave lengths.	Serv- ice.	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. North Pacific See
Albina, Oreg. Sce Portland, Oreg. (KGN).	KMW		II		Products Co.
Annapolis, Md	NAK		0	8 a. m. to 10 p. m.	U. S. Navy.
Arlington, Radio, Va. Ashtabula, Ohio	NAA WSA	300, 600	PG	N 6.30 a. m. to 6 p. m.	U. S. Navy. Marconi Co.
Astoria, Oreg	KPC	300, <i>600</i> , 1800, 3100	PG	N.	Marconi Co.
Avalon, Cal	KPI	300, 527, 600	PR	7 a. m. to 8 p. m.	Marconi Co.
Balboa, Panama Baltimore, Md	NPJ WBS	300, 550, <i>600</i>	PG PG	N 6 a. m. to midnight.	U. S. Navy. Marconi Co.
Beaufort, N. C Belmar, N. J Benton Harbor, Mich.	NAN WII WIZ	300, 500, 600	O PR	N	U. S. Navy. Marconi Co. Grahan & Morton
Binghamton, N. Y	WBT	1610	PR	x	Transp. Co. D., L. & W. R. R Co.
Bolinas, Cal Boston, Mass	KET WCH	300, 600, 1610, 2000, 2400, 2800	P	X	Marconi Co. Nat. Elec. Signal ing Co.
Boston, Mass	WBF NAD	300, 600	PG O	N N	Marconi Co. U. S. Navy.
Brooklyn, N. Y	WCG	300, 600, 1650, 1800, 2600, 3600	PG PR	4 a. m. to noon; 1 p. m. to 9 p. m.	Nat. Elec. Signal ing Co.
Brownsville, Tex Buffalo, N. Y	WUZ WBL	1000 300, <i>600</i>	O PG	X (1)	U. S. Army. Marconi Co.
Burrwood, La	WBW	{300,600,1 650 , 1800	PG PR	} (2)	Tropical Radio Telegraph Co.
Calumet, Mich Canton, Ohio Cape Blanco, Oreg	WCM WQP NPF	300, <i>600</i> 500 600	PG P PG	(3) X N	Marconi Co. Henry L. Ley. U. S. Navy.
Cape Cod, Mass Cape Hatteras (Buxton), N. C.	NAE WIIA	300, 600	PG	N N	U. S. Navy. Marconi Co.

¹ Apr. 15 to June 3 and Sept. 15 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.

² 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.

³ 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.

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

Station.	Call signal.	Wave lengths.	Serv- ice.	Hours of operation.	Station controlled by-
Cape May, N. J Cavite, P. I Charleston, S. C	WCY NPO NAO	300, 550, <i>600</i> 600	PG O PG	N N N	Marconi Co. U. S. Navy. U. S. Navy.
Chicago, Ill	WGO	300, 500, 600	(PG)	(1)	Marconi Co.
Chignik, Alaska Circle City, Alaska Clarks Point, Alaska Cleveland, Ohio Colon, Panama Cordova, Alaska Corregidor Isld., P. I. See Fort Mills.	KHC WVA KHG WCX NAX NPA	600, 1400 300, 600 600 600	O PG PG PG PG	(²) N N	Marconi Co. U. S. Army. Marconi Co. Marconi Co. U. S. Navy. U. S. Navy.
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 Davao, Mindanao Isld., P. I. Denver, Colo Detroit, Mich. (WDR). See River Rouge,	NBA WVO KIX	600, <i>1200</i> 600	O PG P	N 7 a. m. to 6 p. m. (3)	U. S. Navy. U. S. Army. William H. Smith.
Mich. Detroit, Mich	wok	300, 600, 2070		8.30 a. m. to 4.30	Goodyear Tire & Rubber Co.
Diamond Shoals Lightship (off Cape	NLB		o	p. m. 6 a. m. to 10 p. m.	U. S. Navy.
Hatteras, N. C.). D., L. & W.R.R.lim- ited train.	WBI				D., L. & W. R. R
Douglas, Ariz	KDC	300, 600	P	(4)	Copper Quee: Consolidate Mining Co.
Dover, N. J	WBX				D., L. & W. R. R
Duluth, Minn Dutch Harbor, Alaska	WDM NPR	300, <i>600</i> 600	PG PG	(5) N	Marconi Co. U. S. Navy.
East San Pedro, Cal	KPJ	300, 500, 600	{PR PG	} N	Marconi Co.
Egegak, Alaska	KMF	300, 600	` P	' x	North Alaska Sa mon Co.
Ensenada, P. R	WPR	300, 600, 1610	∫PR (PG) (6)	Guanica Centrale.
Eureka, Cal Eureka, Cal	KPM NPW	300, 600 600	PG PG	N	Marconi Co. U. S. Navy.
Fairbanks, Alaska Farallons, Cal Fire Island, N. Y Fort Adams, R. I	WVB NPI NAG WUU	1200	PG 0 0	N N 6 a. m. to	U. S. Army. U. S. Navy. U. S. Navy. U. S. Army.

^{1 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.

1 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.

1 9 a. m. to 11.30 a. m.; 7.30 p. m. to 11 p. m.

1 10 a. m. to 11 a. m.; 4 p. m. to 5 p. m.

1 1 a. m. to 7 a. m.; 8 a. m. to noon; 1 p. m. to 7 p. m.; 8 p. m. to midnight.

1 Week days, 8 a. m. to 6 p. m.; Sundays, 9 a. m. to noon.

7 8.30 a. m. to 6 p. m.; 7.30 p. m. to 5 a. m.

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

Station.	Call signal.	Wave lengths.	Serv- ice.	Hours of operation.	Station controlled by
Fort Andrews, Mass	WUA		0	6 a. m. to	U. S. Army.
Fort Barrancas, Fla	WZD	1200	0	10 p. m. 6 a. m. to	U. S. Army.
Fort Crockett, Tex	wux	1200	0	10 p. m. 6 a. m. to	U. S. Army.
Fort De Russy, Ha-	WZG		0	10 p. m. 6 a. m. to	U. S. Army.
waii. Fort Drum, El Fraile Isld., Manila Bay, P. I.	WVP		0	10 p. m. 6 a. m. to 10 p. m.	U. S. Army.
Fort Egbert, Alaska Fort Frank, Carabao Isld., Manila Bay, P. I.	WVC	600, 1400	0	6 a. m. to 10 p. m.	U. S. Army. U. S. Army.
Fort Gibbon, Alaska Fort Hancock, N. J	WVD WUB	1600, 2000	0	6 a. m. to 10 a. m.	U. S. Army. U. S. Army.
Fort H. G. Wright, N. Y.	WUC		0	6 a. m. to	U. S. Army.
Fort Howard, Md	WZB	1200	0	10 p. m. 6 a. m. to	U. S. Army.
Fort Hughes, Caballo Isld., Manila Bay, P. I.	WVM		0	10 p. m. 6 a. m. to 10 p. m.	U. S. Army.
Fort Leavenworth, Kans.	WUD	1800	0		U. S. Army.
Fort Leavenworth, Kans. (Army Signal School).	wuv		0		U. S. Army.
Fort Levett, Me	WUE		0	6 a. m. to	U. S. Army.
Fort Mills, Corregi- dor Isld., Manila Harbor, P. I.	WVN		PG	10 p. m. 6 a. m. to 10 p. m.	U. S. Army.
Fort Monroe, Va	WUF		0	6 a. m. to	U. S. Army.
Fort Monroe, Va. (Coast Artillery School).	WUG		0	10 p. m. 6 a. m. to 10 p. m.	U. S. Army.
Fort Morgan, Ala	WFM		{PR PG	} (¹)	Marconi Co.
Fort Morgan, Ala	WUR	1200	0	6 a. m. to	U. S. Army.
Fort Riley, Kans Fort Rosecrans, Cal	WUI WUS	1200 1200	0	10 p. m.	U. S. Army. U. S. Army.
Fort Sam Houston, Tex.	WUJ	650	0	10 p. m.	U. S. Army.
Fort San Jacinto, Tex.	WUY	1200	0	6 a. m. to	U. S. Army.
Fort Screven, Ga	WZA	1200	0	10 p. m. 6 a. m. to 10 p. m.	U. S. Army.

¹ 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.; 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.; 5.10 p. m. to 3.20 p. m.; 3.40 p. m. to 3.50 p. m.; 6.10 p. m. to 4.20 p. m.; 4.40 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.; 18 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 11.40 a. m.; 112 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.	Serv- ice.	Hours of operation.	Station controlled by—
Fort Shafter, Hono- lulu, Hawaii.	WZH	300	0		U. S. Army.
Fort Stevens, Oreg	WUK		0	6 a. m. to	U. S. Army.
Fort St. Michael,	WVE	600, 1200	PG	10 p. m. 9 a. m. to 9 p. m.	U. S. Army.
Fort Terry, N. Y	wuw	1200	0	6 a. m. to 10 p. m.	U. S. Army.
Fort Totten, N. Y	WUL		0	6 a. m. to 10 p. m.	U. S. Army.
Fort Whitman, Wash.	WZC	1200	0	6 a. m. to	U. S. Army.
Fort Winfield Scott, Cal.	wuo		0	10 p. m. 6 a. m. to 10 p. m.	U. S. Army.
Fort Wint, Grand Isld., Manila Bay, P. I.	WVR		0	6 a. m. to 10 p. m.	U. S. Army.
Fort Wm. McKinley,	wvq	600	0		U. S. Army.
Luzon Isld., P. I. Fort Wood, N. Y Fort Worden, Wash	WUM WUN		0	6 a. m. to 10 p. m.	U. S. Army. U. S. Army.
Frankfort, Mich Frying Pan Shoals Lightship (off Cape Fear, N. C.)	WFK NLC	300, 600	PG O	6 a. m. to 10 p. m.	Marconi Co. U. S. Navy.
Galveston, Tex Grand Haven, Mich Guam, Marianne Islds.	WGV WGH NPN	300, 500, <i>600</i> 300, <i>600</i> 300, <i>600</i>	PG PG PG	(2) (3) N	Marconi Co. Marconi Co. U. S. Navy.
Guantanamo Bay, Cuba. Hatteras, N. C. See	NAW	600	PG	N	U. S. Navy.
Cape Hatteras. Heeia Point, Hawaii.	KHX	300, 600, 3000, 3500, 5500, 8000, 10000, 12000	PR	N	Federal Telegrapl Co.
Hillcrest, Cal Hoboken, N. J Hollister, Cal	KPH WBU KGH	309, 600 2250 300, 600, 1650	PG PR PR	N X X	Marconi Co. Marconi Co. George Hewlet
Honolulu, Hawaii Hull, Mass Huntington Harbor, Northport, N. Y.	NPM WLO WLM	300, 600, 1650	0 P 	N X	(Inc.). U. S. Navy. Ralph C. Emery. W. K. Vanderbilt
Iditarod, Alaska	KIV	500	PR	9 a. m. to 7 p. m.	
Isle Royal, Mich Jacksonville, Fla Jolo, Jolo Isld., P. I	WRO WJX WVS	300, 600 300, 600 600	PG PG	(4) 7 a. m. to 5.15 p. m.	Marconi Co. Marconi Co. Insular Govt.,Phil ippine Islds.
Jualin, Alaska Juneau, Alaska	KJA KDU	300, 600, 1800,	PG	N	Marconi Co. Marconi Co.
Jupiter, Fla Kahuku, Hawaii. See Koko Head.	NAQ	3100	0	N	U. S. Navy.

¹⁸ a. m. to noon; 1 p. m. to 7 p. m. 27 a. m. to 12 noon; 1 p. m. to 2 a. m.



³ 7 a. m. to noon; 8 p. m. to 11 p. m. ⁴ 5.30 a. m. to midnight.

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

Station.	Call signal.	Wave lengths.	Serv- ice.	Hours of operation.	Station controlled by—
Karluk, Alaska	КНА				Marconi Co.
Kaunakakai, Hawaii.	кно	300, 450	PR	X	Mutual Telephone Co. (Ltd.).
Kawaihae, Hawaii	KHN	300, 600			Mutual Telephone Co. (Ltd.).
Ketchikan, Alaska	KPB	300, <i>600</i> , 1800, 3100	PG	N	Marconi Co.
Key West, Fla	NAR	600	PG	N	U. S. Navy.
Kodiak, Alaska	NPS	600	PĞ	l ñ	U. S. Navy.
Kogiung, Alaska	KHB	.000	4.0	- 200	Marconi Co.
Koko Head, Hawaii	KIIJ		PR		Marconi Co.
Koko Head, Hawaii	KIE		110		Marconi Co.
Kotlik, Alaska	WVF	600	PG	(1)	U. S. Army.
Kvichak, Alaska	KMT	300, 600, 2000	PŘ	X X	North Alaska Sal-
it vicinal, illimate	4401 4	000,000,2000	1		mon Co.
Kvichak Alaska	KML	300, 500, 600	P	х	North Alaska Sal- mon Co.
ited train.	72777	000 000	700	and the second	v
Lahaina, Hawaii	KHL	300, 600	PG		Mutual Telephone Co. (Ltd.).
Lents, Oreg	KFU	12,3300006666003	PR	0	Federal Tel. Co.
Lihue, Hawaii	KHM	300, 600	PG		Mutual Telephone Co. (Ltd.).
Los Angeles, Cal	KEX	300, 600	P	9 a. m. to	Marconi Co.
Los Angeles, Cal	KLS		1.23	5 p. m.	Federal Telegraph
Los Angeles, Cal	ILLO				Co.
Ludington, Mich	WLD	300, 600	PG	(2)	Marconi Co.
Mackinac Island,	WHQ	600	PĞ	(3)	Marconi Co.
Mich.					
Malabang, Mindanao Isld., P. I.	WVT	600, 1200	PG	7 a. m. to 7.30 p. m.	Insular Govt., Phil- ippine Islds.
Manila, P. I	WVU	600	0		U. S. Army.
Manistique, Mich	WMX	300, 600	PG	(4)	Marconi Co.
Manitowoc, Wis	WMW	300, 600	PG	(3)	Marconi Co.
Mare Island, Cal Marshall, Cal. See	NPH		0	И	U. S. Navy.
Bolinas, Cal.			1		
Marshfield, Oreg	KPX	300, 600	PG	8 a. m. to 6 p. m.	Marconi Co.
Miami, Fla	WST	300, 550, 600	PG	N N	Marconi Co.
Milwaukee, Wis	WME	300, 600	PĞ	(6)	Marconi Co.
Mobile, Ala	WMB	300, 600	∫PG	} Ö	Marconi Co.
·	WOV		(PR	11	
Mount Vernon, Ohio. Naknek, Alaska	WQ V KHT	500	P	X	Bunyan J. Hyatt. Marconi Co.

¹⁹ a. m. to 9 p. m. during season of navigation only.

12.30 a. m. to 6 a. m.; 7.30 a. m. to 11.30 a. m.; 1 p. m. to 5.30 p. m.; 7.30 p. m. to 11.30 p. m., when lake is open to navigation.

8 a. m. to noon; 2 p. m. to 5 p. m.; 8 p. m. to 9 p. m.

8 a. m. to 11 a. m.; 2 p. m. to 5 p. m.; 7 p. m. to 9 p. m.

8 a. m. to 11.30 a. m.; 2.30 p. m. to 6 p. m.; 7.30 p. m. to 9 p. m.

8 a. m. to 11.30 a. m.; 2.30 p. m. to 6 p. m.; 7.30 p. m. to 9 p. m.

8 1.30 a. m. to 7 a. m.; 8 a. m. to noon; 1 p. m. to 6 p. m.; 8 p. m. to 12.30 a. m.

7 For general public service, 7.10 a. m. to 7.30 a. m.; 7.40 a. m. to 8.30 a. m.; 10.40 a. m. to 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 8.30 a. m. to 8.30 a. m. to 10.40 a. m.; 11.20 a. m.; 11.30 a. m.; 11.30 a. m.; 11.30 a. m.; 10.30 a. m.; 10.30 a. m. to 10.40 a. m.; 11 a. m. to 11.10 a. m.; 11.30 a. m.; 10.30 p. m.; 2 p. m. to 2.10 p. m.; 2 p. m. to 2.40 p. m.; 3 p. m. to 5.10 p. m.; 5.30 p. m.; 5.40 p. m.; 6

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

Station.	Call signal.	Wave lengths.	Serv- ice.	Hours of operation.	Station controlled by—
Naknek, Alaska	кмк	300, 500, 600	P	x	Naknek Packing
Nantucket Shoals Lightship (off Newport, R. I.). New Brunswick,	NLA		0	4 a. m. to midnight.	Co. U. S. Navy.
N. J. See Bel- mar, N. J.				:	
New London, Conn New London, Conn	NRZ WLC	300 600 300, 510, 600, 1610	PG	X 8 p. m. to 4 a. m.	U. S. C. G. T. A. Scott Co. (Inc.).
New Orleans, La	NAT		0	8 a. m. to 10 p. m.	U.S. Navy.
New Orleans, La	WHK	300, 600	PG	7 a. m. to 11 p. m.	Marconi Co.
New Orleans, La	WNU	300, <i>600</i> , 1800 1850	$\left\{egin{array}{l} \mathbf{P} \\ \mathbf{PR} \\ \mathbf{PG} \end{array}\right.$	N	Tropical Radio Tel- egraph Co.
Newport, R. I Newport, R. I	NAF WCI	300, 550, 600	O PG	N 7 p. m. to	U. S. Navy. Nat. Elec. Signal-
Newton, Mass	WLN	300, <i>600</i> , 1650, 2000	P	5 a. m. X	ing Co. Ralph C. Emery.
New York, N. Y New York, N. Y New York, N. Y	NAH WHB WHI	300, 600, 1610 300, 600	O PG PG	N N N	U. S. Navy. N. Y. Herald Co. Marconi Co.
New York, N. Y	WNT	300, 600	PG	(²)	Atlantic Communi- cation Co.
Nome, Alaska	WVG	600, 2000	PG	9 a. m. to 9 p. m.	U. S. Army.
Norfolk, Va North Head, Wash North Truro, Mass. See Cape Cod.	NAM NPE	600	O PG	N N	U. S. Navy. U. S. Navy.
Nulato, Alaska Nushagak, Alaska Nushagak, Alaska	WVH KHF KMG	2000 300, 600	0 	x	U. S. Army. Marconi Co. North Alaska Sal-
Oakland, Cal Olongapo, P. I Passagrille, Fla	KGI NPT WRG	300, 500, <i>600</i> 300, 450, <i>600</i>	P O PG	X N (8) N	mon Co. Ellery W. Stone. U. S. Navy. C. A. Brown.
Peking, China Pensacola, Fla Petersburg, Alaska	NPP NAS WVI	600 600	O PG PG	N N 9 a. m. to	U. S. Navy. U. S. Navy. U. S. Army.
Philadelphia, Pa	WHE	300, 600, 1650	PG	9 p. m. 9 a. m. to	Marconi Co.
Philadelphia, Pa Phoenix, Ariz	NAI KHQ		0	5. 30 p. m. N	U.S. Navy. Federal Telegraph
Point Arguello, Cal Port Arthur, Tex	NPK WRU	600 300, 600	PG PG	N (4)	U. S. Navy. Marconi Co.
Portland, Me	NAB		0	8 a. m. to 10 p. m.	U. S. Navy.
Portland, Oreg	KGN	300, 600, 1700	PR	X	Northwestern Elec- tric Co.

¹This station will accept general public service in emergencies, when open.

²9 a. m. to 5 p. m., except Sundays and holidays.

³8.30 a. m. to 11.30 a. m.; 1.30 p. m. to 3 p. m.; 4.30 p. m. to 6.30 p. m.; 7.30 p. m. to 10 p. m.

⁴6.30 a. m. to 7.30 a. m.; 9.30 a. m. to 10.30 a. m.; 2.30 p. m. to 3.30 p. m.; 4.30 p. m. to 5.30 p. m.; 7 p. m. to 8 p. m.

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

Station.	Call signal.	Wave lengths.	Serv- ice.	Hours of operation.	Station controlled by—
Portland, Oreg	KDP	300, 550, 600	PR	x	Charles L. Austin.
Port Royal, S. C	NAV		0	Ŋ	U. S. Navy.
Portsmouth, N. H	NAC		0	N	U. S. Navy.
Puerto Princesa, Par- agua, P. I.	WVV	600, 1200	PG	7 a. m. to 6 p. m.	Insular Govt.,Phil- ippine Islds.
Puget Sound, Wash Rialto, Cal	NPC KJR	300, 600, 1610	O PR	N X	U.S. Navy. Southern Califor- nia Edison Co.
River Rouge, Mich	WDR	300, 500, <i>600</i>	{PG (PR	} (¹)	Marconi Co.
Roche Harbor, Wash.	KRW				Tacoma & Roche Harbor Lime Co.
Sagaponack, N. Y Samoa. See Tutuila, Samoa.	WSK	300, 600	PG	X	Marconi Co.
San Diego, Cal	KSD				Federal Telegraph Co.
San Diego, Cal San Francisco, Cal	NPL KFS	600 300, 600, 3000, 3500, 3700, 3800	PG PR	N N	U. S. Navy. Federal Telegraph Co.
San Francisco, Cal. See Hillcrest.					
San Jose, Mindoro	WVY	600	PG	7 a. m. to	Insular Govt., Philippine Islds.
San Juan, P. R San Luis Obispo, Cal. San Pedro, Cal. See	NAU KDN	600 300, <i>600</i>	PG PG	6.15 p. m. N (2)	U. S. Navy. Marconi Co.
East San Pedro.				1	
Sault Ste. Marie, Mich. Savannah, Ga	WSI WSV	300, 500, 600	PG	6 a. m. to	Marconi Co. Marconi Co.
Sayville, N. Y	WSL	300, 600, 2740	PG	midnight. 2 a. m. to	
Scranton, Pa	WTP			2 p. m.	D., L. & W. R
Sea Gate, N. Y	WSE	300, 600	PG	N	R. Co. Marconi Co.
Seattle, Wash	KPA	300, 600	PĞ	N	Marconi Co.
Seattle, Wash	KPE	300, 525, 600	PR	8 a. m. to 5 p. m.	City of Seattle (Harbor Dept.)
Siasconset, Mass	WSC	300, <i>600</i>	PG	N	Marconi Co.
Sitka, Alaska	NPB	600	PG	N	U. S. Navy.
South San Francisco, Cal.	KSS	300, 600, 3000, 3500, 5000, 8000, 10000, 12000	PR	N	Federal Telegraph Co.
South Wellfleet, Mass.	wcc	300, 600, 2100	PG	N	Marconi Co.
St. Augustine, Fla St. George, Pribilof	NAP NPY	600	PG O	N X	U. S. Navy. U. S. Navy.
Islds., Alaska. St. Paul, Pribilof	NPQ	600	PG	N	U. S. Navy.
Islds., Alaska.	337737	000 450 555	DD	(3)	la a n
St. Petersburg, Fla Tampa, Fla	WIX WPD	300, 450, <i>600</i> 300, <i>600</i>	PR PG	7 a. m. to	C. C. Brown. Marconi Co.
Tatoosh, Wash Teller, Alaska	NPD KWT	600	PG PR	10 p. m. N	U. S. Navy. Max R. Hirsch- berg.

¹ 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 p. m. ² 8.30 a. m. to noon; 1.30 p. m. to 5 p. m.; 7.30 p. m. to 10 p. m. ³ 8.30 a. m. to 11.30 a. m.; 1.30 p. m. to 3 p. m.; 4.30 p. m. to 6.30 p. m.; 7.30 p. m. to 10 p. m.

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

Station.	Call signal.	Wave lengths.	Serv- ice.	Hours of operation.	Station controlled by—	
Tolovana, Alaska	KIZ	300, 600			Alaska Wireless Telegraph Co.	
Tuckerton, N. J Tutuila, Samoa Ugaguk, Alaska. See	WGG NPU	600	PG		U. S. Navy.	
Egegak, Alaska. Ugashik, Alaska	KMU	300, 500, 600	P	x	Red Salmon Can- ning Co.	
Underwood, Wash	KGO		PR		Northwestern Elec.	
Victor, Colo	KIW	600	PR	(1)	Ajax Gold Mining	
Virginia Beach, Va Wahiawa, T. H	WSY KHK	300, 550, <i>600</i> 300, <i>600</i>	PG	N	Marconi Co. Mutual Telephone	
Washington, D. C.	NAL		0	N	Co. (Ltd.). U. S. Navy.	
(Navy Yard). Washington, D. C. (U. S. Capitol).	NZY	250, 650, 1000	0	x	Supt. U. S. Capi- tol Building and Grounds.	
Washington, D. C. (Army Signal Corps	WUP		0		U. S. Army.	
Laboratory). Washington, D. C. (Bureau of Stand- ards).	WUQ		0		U. S. Army.	
Wrangell, Alaska	wvj	300, 600	PG	9 a. m. to	U. S. Army.	
Yerba Buena, Cal Zamboanga, Minda- nao Isld., P. I.	NPG WVW	600, 1200	O PG	9 p. m. N 7 a. m. to 7.30 p. m.	U. S. Navy. Insular Govt.,Phil- ippine Islds.	

¹⁹ 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.	Serv- ice.	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			
Acushnet	NRU	300	PG	Government	U. S. C. G.
Adeline Smith	WHS	300,600	PG	Inter-Ocean Transp. Co.	Marconi Co.
Admiral Dewey	WAY	300,600	PG	Pacific-Alaska Nav. Co	Vesselowner.
Admiral Evans	WAB	300,600	PG	Alaska-Pacific S. S. Co	Marconi Co.
Admiral Farragut.	WAF	300,600	PG	Pacific-Alaska Nav. Co	Vessel owner.
Admiral Schley	WAZ	300,600	PG	do	Vessel owner.
Admiral Watson	WAW	300,600	PG	do	Marconi Co.
Advance	KMV	300,600	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.

2457°-15---2

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

Vessel.	Call signal.	Wave longths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
	NBI	300, 600	PG	Government	U. S. Navy.
Alameda		300, 600	PĞ	Alaska S. S. Co	Vessel owner.
		300,600	PG		Marconi Co.
Alamo Alaskan		300, 600	PĞ	Mallory S. S. Co American-Hawaiian S. S.	
Aldekall	W ICI	3007, 000		Co.	
Albany	NBJ	300. 600	PG PG	Government	U.S. Navy.
Albatross		300,600		do	U. S. Navy.
Alberta		300,600	PG	F. G. Bourne	Marconi Co.
Alert		300,600	PG PG	Government	U. S. Navy.
Algonquin		300, 600	PG	Clyde S. S. Co	Marconi Co. U.S.C.G.
Algonquin		300, 600		Government	
Al-Ki		300, 600	PG PG	Border Line Transp. Co. Panama R. R. Co	Marconi Co.
Alliança	KMA	300, 450, 600	14	ranama K. N. Co	Vessel owner.
Alliance		300, 600	PG	North Pacific S. S. Co	Marconi Co.
Almirante	KLD	300, 600	PG	Almirante S. S. Corp	Tropical Ra-
					dio Tele
	******		20		graph Co.
Aloḥa		300, 600	PG	Arthur Curtiss James	Marconi Co.
Alvina		000 000	DC.	Thomas F. Cole	371
American	WKF	300, 600	PG	American-Hawaiian S. S. Co.	Vessel owner.
Ammen	NBP	300, 600	PG	Government	U. S. Navy.
Amphitrite		300,600			0.0.1.1.,.
Ancon	777.40	300, 450,	PG	Panama R. R. Co	Vessel owner.
		500, 600			
Androscoggin	NRD	300. 600	PG	Government	U. S. C. G.
Annapolis		300, 600	PG	do	U. S. Navy.
Ann Årbor No. 3		300,600	PG	Ann Arbor R. R. Co	Marconi Co.
Ann Arbor No. 4		300, 600	PG	do	Marconi Co.
Ann Arbor No. 5.	WDP	300, 600	PG	do	Marconi Co.
Antilla	KWD	300, 600	PG	New York & Cuba Mail S. S. Co. (Ward Line).	Marconi Co.
Antilles	KKA	300, 600	PG	Southern Pacific Co	Marconi Co.
Apache		300, 600	PG	Clyde S. S. Co	Marconi Co.
Apache		300, 600	PG	Government	U. S. C. G.
Arapahoe		300, 600	PG	Clyde S. S. Co	Marconi Co.
Ardmore	KIA	300, 600		Standard Oil Co. of N. J.	
Arethusa	. NBU	600	PG	Government	U. S. Navy.
Argyll	WTB			Union S. S. Co. (Union Oil Co.).	
Arizona	WFG	300, 600	PG	Goodrich Transit Co	Marconi Co.
Arizonan	WKB	300, 600	PG	American-Hawaiian S. S.	Vessel owner.
A mlea mana	NBV	300, 600	PG	Co. Government	U. S. Navy.
Arkansas Aroline		300, 600	PG	Aroline S. S. Co	Marconi Co.
Ashtabula		300,600	PG	Pennsylvania & Ontario	Marconi Co.
Astral	KSA	300, 600	PG	Nav. Co. Standard Transportation	Marconi Co.
Anumaian	WTV	200 600	PC	Co.	Marconi Co.
Asuncion Atalanta	WTX	300, 600	PG	Standard Oil Co. of Cal George J. Gould	Marcolli Co.
Atenas		300, 600	PG	Atenas S. S. Corp	Tropical Ra
	1				graph Co.
Atlanta	KGR	300,600		Cuba Improvement &	g.u.p. 50.
	1	300,000	1	S. S. Co.	
Atlantic	. KIK	300, 600	PG	New York Interocean &	Marconi Co.
				Coastwise S. S. Co.	
Atlas	WTT	300, 600	PG	Standard Oil Co. of Cal	Marconi Co.
Aylwin	. NIH	300,600	PG	Government	U.S. Navy.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Aztec	WWQ	300, 600	PG	Pacific Mail S. S. Co	Marconi Co.
Bache	NLK	300,400, 600	0	Government	U. S. Dept. of Commerce.
Bailey	NCF	300,600	PG	do	U. S. Navy.
Bainbridge	NIA	300,600	PG	do	U. S. Navy.
Balboa	WHU	300,600	PĞ	American-Mexican S. S.	Marconi Co.
Balch	NII	300,600	PG	& Trading Co. Government	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.
Bay State	KRE	300,600	PG	Eastern S. S. Corp	Marconi Co.
Bayway	KSR	300,600	PG	Standard Oil Co. of N. J.	Vessel owner.
Beale	NCL	300,600	PG	Government	U. S. Navy.
Bear	NRB	300, 600	PG	do	U. S. C. G.
Bear	WWD	300,600	PG	San Francisco & Port- land S. S. Co.	Marconi Co.
Beaver	WWB	300, 600	PG	do	Marconi Co.
Belfast	KRD	300,600	PG	Eastern S. S. Corp	Marconi Co.
Benham	NIJ	300,600	PG	Government	U. S. Navy.
Berkshire	KQB	300,600	PG	Merchants & Miners Transp. Co.	
Berlin	WRB	300, 600	PG	Alaska-Portland Pack- ers' Assn.	Marconi Co.
Beverly	KND	300, 600	PG	Colonial Nav. Co	Nat.Elec. Sig naling Co.
Birmingham	NCN	300,600	PG	Government	U.S. Navy.
Boston	KXA	300, 450,	PG	New England S. S. Co	Nat. Elec. Sig
20000		500, 550,	2 0	110 21.6	naling ('o.
Brabant	KUU	300, 600	PG	The Texas Co	Marconi Co.
Bradford	KNG	300,600		Standard Oil Co. of N. J.	
Brazos	KEZ	300, 600	PG	Mallory S. S. Co	Marconi Co.
Breakwater Brilliant	WBK	300, 600 300, 600	PG PG	Southern Pacific Co Standard Transporta- tion Co.	Marconi Co. Marconi Co.
Brindilla	KTZ	300,600	1,000	Standard Oil Co. of N. J.	
Brockton	KNH	300,600	PG	Colonial Nav. Co	Nat.Elec. Sig
D1-1	NITEA	200 000	DC	Garage	naling Co.
Brooklyn	NFA	300,600	PG	Government	U. S. Navy.
Brunswick	KOS	300, 600	PG	Gulf & Southern S. S. Co.	Marconi Co.
Brutus	NNA	300, 600	PG	Government	U. S. Navy.
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	Marconi Co.
Burnside	WXR	600	O	Government	U. S. Army.
Burrows	NCV	300,600	PG	do	U. S. Navy.
Cabrillo	WBV	300, 500,	PG	Wilmington Transp. Co.	Marconi Co.
C. A. Canfield	WIH	300, 600		Petroleum Transp. Co	Marconi Co.
O .	WBE	000		W. R. Grace & Co	Marcont Co.
Cacique Caddo	KSK	300, 600	PG	Standard Oil Co. of N. J.	Vessel owner
Caesar	NCY	300, 600	PG	Government	U. S. Navy.
Calamares	KLC	300, 600	PG	Calamares S. S. Corp	Tropical Ra
					graph Co.
California	KYQ	300, 600	PG	Mrs. Clara B. Stocker	graph Co.
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.	Vessel owner.
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SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS-Continued.

Vessel.	Call signal.	Wave longths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Caloria	KSP	300, 600	PG	Standard Oil Co. of N. J.	Marconi Co.
Calvin Austin	KRN	300, 600	PG	Eastern S. S. Corp	Marconi Co.
Camaguey	KWI	300,600	PG	New York & Cuba Mail S. S. Co. (Ward Line).	Marconi Co.
Camden	KRC	300,600	PG	Eastern S. S. Corp	Marconi Co.
Camino	WQC	300,600	PG	Western Steam Nav. Co.	Marconi Co.
Cape Cod Captain A. F. Lucas.	KPW WTV	300, 600	PG	George R. West Standard Oil Co. of Cal.	Marconi Co.
Captain A. M. Wetherill.	WYT	300	0	Government	U. S. Army.
Captain Barrett Captain Chas. W. Rowell.	WYP WYI	300	0	do	U. S. Army. U. S. Army.
Captain James Fornance.	WYM	300	0	do	U. S. Army.
Captain T. M. Morrison.	WYZ	1200	0	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.	•
Carolina	WFE KGB	300, <i>600</i> 300, <i>600</i>	PG PG	Goodrich Transit Co New York & Porto Rico S. S. Co.	Marconi Co. Marconi Co.
Carrillo	KDE	300, 600	PG	Carrillo S. S. Corp	Tropical Ra- dio Tele-
Cartago	KDD	300, 600	PG	Cartago S. S. Corp	graph Co. Tropical Radio Telegraph Co.
Cassandra	KYE			John J. Doyle	, ,
Cassin	NIK NDA	300,600	PG PG	Government	U. S. Navy.
Castine Celilo	WMF	300, <i>600</i> 300, <i>600</i>	PG	Charles R. McCormick & Co. (Inc.).	U. S. Navy. Marconi Co.
Celtic	NDB	300, 600	PG	Government	U. S. Navy.
Centralia	WSN	300, 600	PG	Centralia Co	Marconi Co.
Charles E. Harwood.	KKC WID	300, <i>600</i> 300, <i>600</i>	PG	Southern Pacific Co Petroleum Transp. Co	Marconi Co.
Charleston	NFE	300, 600	PG	Government	U. S. Navy.
Charlton Hall	KLU	300, 600	PG	U. S. Steel Products Co.	
Chattanooga	NGI KVK	300, 600	PG	Government	U. S. Navy. Marconi Co.
Cherokee	NDG	300, 600 600	PG	Clyde S. S. Co	U. S. Navy.
Chester W. Chapin	KXQ	300, 450, 500, 550,	PĞ	New England S. S. 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	
Chicago	NDI WWA	300, <i>600</i> 300, <i>600</i>	PG PG	Government	
Christopher Co- lumbus.	WFJ	300, 600	PG	Goodrich Transit Co	Marconi Co.
Cincinnati	NDL WEH	300, <i>600</i> 300, <i>600</i>	PG PG	Government Detroit & Cleveland	U. S. Navy. Marconi Co.
City of Atlanta	KFB	300, 600	PG	Nav. Co. Ocean S. S. Co. (Savan- nah Line).	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—
City of Augusta	KFJ	300, 600	PG	Ocean S. S. Co. (Savan- nah Line).	Marconi Co.
City of Bangor City of Benton Harbor.	KRH WDV	300, <i>600</i> 300, <i>600</i>	PG PG	Eastern S. S. Co Graham & Morton Transp. Co.	Marconi Co. Marconi Co.
City of Buffalo	WFQ	300, 600	PG	Cleveland & Buffalo Transit Co.	Marconi Co.
City of Cleveland III.	WEA	300, 600	PG	Detroit & Cleveland Nav. Co.	Marconi Co.
City of Columbus.	KFA	300, 600	PG	Ocean S. S. Co. (Savan- nah Line.)	Marconi Co.
City of Detroit II.	WEC	300, 600	PG	Detroit & Cleveland Nav. Co.	
City of Detroit III. City of Erie	WEF WFP	300, <i>600</i> 300, <i>600</i>	PG PG	Cleveland & Buffalo Transit Co.	Marconi Co. Marconi Co.
City of Everett	KTQ	300, 600	PG	Standard Oil Co. of N.	Vessel owner.
City of Grand Rapids.	WDS	300, 600	PG	Graham & Morton Transp. Co.	Marconi Co.
City of Lowell	KXB	300, 450, 500, 550, 600	PG	New England S. S. Co	Nat. Elec. Sig- naling Co.
City of Mackinac	WEB	300, 600	PG	Detroit & Cleveland Nav. Co.	
City of Macon	KFC	300, 600	PG	Ocean S. S. Co. (Savan- nah Line).	Marconi Co.
City of Memphis City of Montgomery.	KFD KFY	300, <i>600</i> 300, <i>600</i>	PG PG	do	Marconi Co. Marconi Co.
City of Para City of Puebla	WWF WGQ	300, <i>600</i> 300, <i>600</i>	PG PG	Pacific Mail S. S. Co Pacific Coast Co	Marconi Co. Marconi Co.
City of Rockland	KRI	300, 600	PG	Eastern S. S. Corp	Marconi Co.
City of St. Ignace.	WEG	300, 600	PG	Detroit & Cleveland Nav. Co.	
City of St. Joseph.	WDT	300, 600	PG	Graham & Morton Transp. Co.	Marconi Co.
City of St. Louis	KFX	300, 600	PG	Ocean S. S. Co. (Savan- nah Line).	Marconi Co.
City of Savannah City of Seattle	KFK WGA	300, 600 300, 600	PG PG	Pacific Coast Co	Marconi Co. Marconi Co.
City of South Ha- ven.	WDI	300, 600	PĞ	Chicago & South Haven S. S. Co.	Marconi Co.
City of Sydney	WWG	300, 600	PG	Pacific Mail S. S. Co	N.A Elas Gia
City of Taunton	KXL	300, 450, 500, 550, 600	PG	New England S. S. Co	Nat. Elec. Sig- naling Co.
City of Topeka	WGY	300,600	PG	Pacific Coast Co	Marconi Co.
Cleveland Coalinga	WOT	300, <i>600</i> 300, <i>600</i>	PG PG	Union S. S. Co. (Union	U. S. Navy. Federal Tele-
Coamo	KGA	300, 600	PG	Oil Co.). New York & Porto Rico S. S. Co.	graph Co. Marconi Co.
Col. E. L. Drake Col. Geo. Armis-	WTS WYG	300, <i>600</i> 600	PG O	Standard Oil Co Government	Marconi Co. U. S. Army.
tead. Colon	KMX	300, 450, 600	PG	Panama R. R. Co	Vessel owner.
Colon	wно	300, 600	PG	American-Mexican S. S. & Trading Co.	Marconi Co.
Colorado	KEA	300, 600	PG	Mallory 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—
Colorado	NDN	300,600	PG	Government	U. S. Navy.
Columbia	KRO	000,000		Chesapeake S. S. Co	0.2.1.2.
Columbia	KYM	300,550	P	J. Harvey Ladew	Vessel owner.
Columbia	NGA	300,600	PG	Government	U. S. Navy.
Columbia	WHC	300,600	PG	J. H. Wilson	Marconi Co.
Columbian	WKS	300,600	PG	American-Hawaiian S.S. Co.	Vessel owner.
Columbine	NLL	600, 750, 1000	0	Government	U. S. Dept. of Commerce.
Colusa	WIN	300, 600	PG	W. R. Grace & Co	Marconi Co.
Comal	KEM	300, 600	PG	Mallory S. S. Co	Marconi Co.
Comanche	KVC	300,600	PĞ	Clyde S. S. Co	Marconi Co.
Comet	KTJ	300,600	PĞ	Standard Transporta-	Marconi Co.
Comet		300,000		tion Co.	Marcont Co.
Commonwealth	KXC	300, 550, 600	PG	New England S. S. Co	Nat. Elec. Sig- naling Co.
Communipaw	KOE	300,600		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, 450,	PG	Colonial Nav. Co	Nat. Elec. Sig-
V		500, 550,			naling Co.
Congress	WGT	300,600	PG	Pacific Coast Co	Marconi Co.
Connecticut	NDQ	300,600	PĞ	Government	U. S. Navy.
	KDF		PG	Coppename S. S. Corp	
Coppename	KDr	300,600	I G	Coppename 5. 5. Corp	Tropical Radio Tele-
Cordova	WAR	300,600		Alaska S. S. Co	graph Co.
Corning	KIH	300,600		Standard Oil Co. of N.J	
Coronado	wso	300,600	PG	Coronado Co	Marconi Co.
Coreair	KYC			J. P. Morgan estate	l.
Corwin	WNN	300,600	P	The Corwin Co	Vessel owner.
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, 600	PG	Southern Pacific Co	Marconi Co.
Cretan	KQC	300, 600	PĞ	Merchants & Miners'	Marconi Co.
Oleum	MQU	300,000	10	Transp. Co.	Marcom Co.
Cristobal	KMD	300, 450, 600	PG	Panama R. R. Co	Vessel owner.
Crofton Hall	KLR	300,600	PG	U. S. Steel Products Co	Marconi Co.
Crook	WXB	600	PG	Government	U. S. Army.
Culgoa	NDU	300,600	PG	do	U.S. Navy.
Cummings	NIL	300,600	PG	do	U.S. Navy.
Currier	KNU	300, 600	PG	Cuba Distilling Co	Marconi Co.
Cushing	KSC	300,600		Standard Oil Co. of N. J.	
	NIM	300, 600	PG	Government	U. S. Navy.
Cushing	NDY		PG	do	
Cyclops		300,600			U. S. Navy.
Cypress	NLM	600,750, 1000	0	do	U.S. Dept. of Commerce.
Cyprus	KYD	300, 600	PG	Daniel C. Jackling	Marconi Co.
Dacia	KGD	300,600	PG	Edward N. Breitung	Marconi Co.
Dakotan	WKD	300, 600	PĞ	American-Hawaiian S.S.	
Dayton	KNP	300, 600		Co. Standard Oil Co. of N. J.	
			PG		
Decatur	NJC	300,600		Government	U. S. Navy.
Delaware	NEK	300, 600	PG	do	U. S. Navy.
Delaware Sun	KTW	300,600	PG	Sun Co	Marconi Co.
Denver	NEM	300, 600	PG	Government	Marconi Co.
	NEN	300, 600	PG	do	U. S. Navy.
Des Moines					
	KNI			Standard Oil Co. of N. J.	
Des Moines De Soto Despatch		300, 600 300, 600	PG	Standard Oil Co. of N. J. Border Line 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
Dix	wxc	600	PG	Government	U. S. Army.
Dixie	NEP	300, 600	PĞ	do	U. S. Navy.
Dolphin	WAU	300, 600	PĞ	Alaska S. S. Co	Vessel owner.
Dolphin	NEQ	300, 600	PĞ	Government	U. S. Navy.
Dora	WAH	300, 600	1 4	Alaska S. S. Co	O. D. Mavy.
Dorchester	KQD	300,600	PG	Merchants & Miners Transp. Co.	Marconi Co.
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	PĞ	do	U. S. Navy.
Dubuque	NEU	300, 600	1 - 4	do	O. D. Mavy.
Duncan	NIR	300,600	PG	do	U. S. Navy.
	NXS	300, 600	PG		
E-1		200,000	_ = =:	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.
Eastland	WFN	300,600	PG	St. Joseph-Chicago S. S. Co.	Marconi Co.
Edith	WAE	300, 600	PG	Alaska S. S. Co	Vessel owner.
Edward L. Do- heny.	WIE	300, 600	PG	Petroleum Transp. Co	Marconi Co.
El Alba	KKL	300,600	PG	Southern Pacific Co	Marconi Co.
Elcano	NFD	300, 600	PG	Government	U. S. Navy.
El Cid	KKT	300, 600	PG	Southern Pacific Co	Marconi Co.
El Dia	KKY	300, 600	PĞ	do	Marconi Co.
Elmer A. Keeler	KVU	000,000		Elmer A. Keeler	Marcom Co.
El Mundo	KKU	300, 600	PG	Southern Pacific Co	Marconi Co.
El Norte	KKN	300,600	PG	do	Marconi Co.
	KKX		PG	do	
El Occidente	KKV	300,600	PG		Marconi Co.
El Oriente		300,600	_ = =	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, 600	PG	do	Marconi Co.
El Sud	KKQ	300, 600	PG	do	Marconi Co.
El Valle	·KKW	300, 600	PG	do	Marconi Co.
Emeline	KZD			Robert Graves	
Enterprise	WMN	300, 600	PG	Matson Nav. Co	Marconi Co.
Eocene	KTM	300,600	PG	Standard Oil Co. of N. Y.	Vessel owner.
Erskine M. Phelps.	WTA			William D. Sewall (Union Oil Co.).	Marconi Co.
E. R. Sterling	WIS	300, 450, 600	P	Sterling Ship Co	Vessel owner.
Esparta	KDL	300, 600			Tropical Radio Tele-
Esperanza	KWZ	300, 600	PG	N. Y. & Cuba Mail S. S. Co. (Ward Line).	graph Co. Marconi Co.
Essex	KQE	300, 600	PG	Merchants & Miners Transp. Co.	Marconi Co.
Evangeline	KII	300, 600	PG	Alonzo W. Perry	Marconi Co.
Excelsior	KKO	300,600	PĞ	Southern Pacific Co	Marconi Co.
Expansion	WOH	300, 500,	P	North Alaska Salmon Co.	
Explorer	NLI	300,600	0	Government	U. S. Dept. of
D 1	MUTT	200 200	DO.	مد ا	Commerce.
F-1	NXU	300,600	PG	do	U. S. Navy.
F-2	NXV	300,600	PG	do	U. S. Navy.
F-3 F-4	NXW NXX	300, 600 300, 600	PG PG	dodo	U.S. Navy. U.S. Navy.

Vessel.	Call signal.	Wave lengths.	Serv-	Owner of vessel (line).	Station controlled by—
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.
Finland	KSF	300, 600	PG	International Mercantile Marine Co. (Panama- Pacific Line).	Marconi Co.
Florence Lucken- bach.	WNM	300, 600	PG	Alphonse H. Alker Edgar F. Luckenbach	Marconi Co.
Florida	KUS	300, 600	PG	The Texas Co	Marconi Co.
Florida	NFR	300, 600	PG	Government	U. S. Navy.
Flusser	NFS	300, 600	PG	do	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	Marconi Co.
Frieda	KFF	300, 600	PG	Union Sulphur Co	Marconi Co.
G-1	NXY NXZ	300, 600	PG	Government	U. S. Navy.
G-2	NYA	300, 600	PG PG	do	U. S. Navy. U. S. Navy.
G-4	NYB	300, 600	PG	do	U. S. Navy.
Galveston	NGD	300, 600	PG	do	U. S. Navy.
Gargoyle	KRK	300, 600		Vacuum Oil Co	0.011.01
General A. M. Randol.	WYJ	300	0	Government	U. S. Army.
General E. O. C. Ord.	WYF	400, 600	0	do	U. S. Army.
General George H. Weeks.	WZT	1200	0	do	U. S. Army.
General G. W. Getty.	WYS	1200	0	do	U. S. Army.
General Harvey Brown.	WYK	300	0	do	U. S. Army.
General Henry J.	WYD	400	0	do	U. S. Army.
General Henry Knox.	WYE	400	0	do	U. S. Army.
General J. M. Brannan. General Nathan-	WZV WZR	1200 1200	0	do	U. S. Army.
ael Greene. General R. B.	WYL	300	0	do	U. S. Army. U. S. Army.
Ayres. General R. H.	W.Y.W.	400	0	do	U. S. Army.
Jackson. General Richard	WYY	1200	0	do.	U. S. Army.
Arnold. General R. N.	WZW	1200	0	do	U. S. Army.
Batchelder. General Robert	WYH	300	0	do	U. S. Army.
Anderson. General Robert	WYU	400	0	do	U. S. Army.
Swartout. General Royal T. Frank.	WYA	300	0	do	U. S. Army.
General S. B. Holabird.	WYV	400	0	do	U. S. Army.
General Timothy Pickering.	WZQ	1200	0	do	U. S. Army.
General S. N. Mills.	WYB	300, 600	0	Government	U. S. Army.
Geo. W. Elder	WRT	300, 600	PG	North Pacific 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—
Georgia	WFA	300, 600	PG	Goodrich Transit Co	Marconi Co.
Georgia	NGF	300, 600	PĞ	Government	U. S. Navy.
Georgian	WKG	300, 600	PĞ	American-Hawaiian S.S.	
Georgiana	KJE	300, 600		Walker, Armstrong & Co.	
Glacier	NGH	600	PG	Government	U.S. Navy.
(ilenpool	кон	300, 600	PG	Standard Oil Co. of N. J.	
Gloucester	KQG	300, 600	PG	Merchants & Miners Transp. Co.	Marconi Co.
Gloucester	NSL	300, 600		Government	
Goldsborough	NGJ	300,600	PG	do	U.S. Navy.
Goliah	WPG	300, 600	PG	Puget Sound Tug Boat	Vessel owner.
Governor	WGR	300, 600	PG	Pacific Coast Co	Marconi Co.
Governor Cobb	KRB	300, 600	PĞ	Eastern S. S. Corp	Marconi Co.
Governor Dingley.	KRV	300, 600	PĞ	do	Marconi Co.
Grace Dollar	WSF	300, 600	PĞ	Grace Dollar S. S. Co	Marconi Co.
			PG		
Great Northern	WIR	300, 600		Great Northern Pacific S. S. Co.	Marconi Co.
Grecian	KQR	300, 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 Telegraph Co.	Vessel owner.
Gulfcoast	KUE	300, 600	PG	Gulf Refining Co	Marconi Co.
			PG	do	Marconi Co.
Gulflight	KUA	300,600			
Gulfoil	KTG	300, 600	PG	do	Marconi Co.
Gulfstream	KTB	300,600	PG	do	
<u>H</u> -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.
Hamilton	KOA	300, 600	PG	Old Dominion S. S. Co	Marconi Co.
Hancock	NHI	300, 600	PG	Government	U. S. Navy.
Hannibal	NGU	300, 600	PĞ	do	U. S. Navy.
Harvard	WRH	300,600	PĞ	Metropolitan S. S. Co.	Federal Tele-
II wald	W 1011	300,000	1.0	(Pacific Steam Nav.	graph Co.
Harvester. (See				Co.).	
The Harvester.	TOTAL	000 000	DO.	Telesco To Torol coloral	M
Hattie Lucken- bach.	WNF	300, 600	PG	Edgar F. Luckenbach	Marconi Co.
Havana	KWH	300, 600	PG	N. Y. & Cuba Mail S. S. Co. (Ward Line).	Marconi Co.
Hawaiian	WKU	300, 600	PG	American-Hawaiian S.S.	Vessel owner.
Hector	NGX	300, 600	PG	Government	U. S. Navy.
Helena	NGY	300, 600		do	
Henley		300,600		do	
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	0	Government	
Herbert G. Wylie.	WIF	300, 600		Petroleum Transport Co.	
Heredia	KDH	300, 600	PG	Heredia S. S. Corp	dio Tele-
Herman Frasch	KFH	300, 600	PG	Union Sulphur Co	graph Co. Atlantic Com-
					munication Co.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Hermosa	WBP	300, 500, 600	PR	Wilmington Transp. Co	
Hilonian	WMM	300, 600	PG	Matson Nav. Co	Marconi Co.
Holland	W.DW.	300, 600	PG	Graham & Morton Transp. Co.	Marconi Co.
Honolulan	WKH	300, 600	PG	American-Hawaiian S.S.	Marconi Co.
Hopking	NHC	300.600	PG	Government	U. S. Navy.
Howard	KQH	300, 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.
Huron	KVH	300.600	PG	Clyde S. S. Co	Marconi Co.
Hyades	WWK	300, 600	PG	Matson Nav. Co	Marconi Co.
Iaqua	WLI	300, 600	PG	John A. McGregor	M: 0-
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, 600	PG	Texas S. S. Co	Marconi Co.
Illinois	NHO	300, 600	PG	Government	U. S. Navy.
Indian	KQI	300, 600	PG	Merchants & Miners	
Indiana	WEG	200 000	PG	Transp. Co.	Managari Ca
Indiana	WFC	300, 600	PG	Goodrich Transit Co Government.	Marconi Co.
Indiana	NIIT	600	PG	do	U. S. Navy.
Iowa	WKJ	300, 600	PG	American-Hawaiian S.S.	U. S. Navy. Vessel owner
Iris	NHU	300, 600	PG	Government	U. S. Navy.
Iroquois	KVF	300, 600	PG	Clyde S. S. Co	Marconi Co.
Iroquois	NHV	300, 600	PG	Government	U. S. Navy.
Isla de Luzon	NQJ	300, 600		do	
Isthmian	WKI	300, 600	PG	American-Hawaiian S.S.	Vessel owner
Itasca	NRI	300, 600	PG	Government	U. S. C. G.
J. A. Chanslor	WTK	300, 600	PG	Associated Oil Co	Marconi Co.
Jamestown	KOC	300, 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.	
Jefferson	KOD	300, 600	PG	Old Dominion S. S. Co	Marconi Co.
Jefferson	WAJ	300, 600	PG	Alaska 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	Edgar F. Luckenbach	Marconi Co.
J. M. Guffey	KTF	300, 600	PG	Gulf Refining Co	Marconi Co.
John A. Hooper	WSJ	300, 600	PG	Sudden & Christensen	Marconi Co.
John D. Archbold.	KTK	300, 600	PG	(Inc.). Standard Oil Co. of N. J.	Marconi Co.
John D. Rockefel- ler.	KTO	300, 600	PG	do	Marconi Co.
Joseph Henry	WXT	600	0	Government	U. S. Army.
Jouett	NIE	300, 600	PG	do	U. S. Navy.
Juniata	KQJ	300, 600	PG	Merchants & Miners Transp. Co.	Marconi Co.
Juniata	WCB	300, 600	PG	Erie & Western Transp. Co. (Anchor Line).	Marconi Co.
Jupiter	NNC	300,600	PG	Government	U. S. Navy.
Justin	NNJ	300,600	PG	do	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—
K-1	NYF	300, 600	PG	Government	U. S. Navy.
K-2	NYG	300,600	PĞ	do	U. S. Navy.
K-3	NYH	300,600	PĞ	do	U. S. Navy.
	NYI		PG	do	
K-4		300, 600		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.
Kansan	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	J. V. Italy.
Kearsarge	NIP	300,600	PG	Government	U. S. Navy.
	KLN		PG	U. S. Steel Products Co.	Marconi Co.
Kentra		300,600			
Kentuckian	WKE	300, 600	PG	American-Hawaiian S.S. Co.	Vessel owner.
Kentucky	NIQ	300, 600	PG	Government	U. S. Navy.
Kershaw	KQŘ	300,600	PG	Merchants & Miners	Marconi Co.
) -	,		Transp. Co.	
Kilpatrick	WXD	600	PG	Government	U. S. Army.
Kismet	KYK	000	1	Bob Myers Babcock	o. o. may.
Klamath	WSX	300 600	PG	Klamath S. S. Co	Marconi Co.
		300,600		Pacific Mail S. S. Co	
Korea	WWK	300, 600	PG		Marconi Co.
Kroonland	KSH	300, 600	PG	International Mercan- tile Marine Co. (Pan- ama-Pacific Line).	Marconi Co.
Kukui	NLF	300,600	0	Government	U. S. Dept. of Commerce.
Kvichak	WNS	300, 600	PG	Alaska Packers' Assn	Vessel owner.
Lakeland	WDL	300, 600	PG	Port Huron & Duluth S. S. Co.	Marconi Co.
Lampasas	KEP	300, 600	PG	Mallory S. S. Co	Marconi Co.
	NIW	300,600	PĞ	Government	U. S. Navy.
Lamson			PG	Union S. S. Co. (Union	U. B. Havy.
Lansing	WTC	300, 600	14	Oil 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, 600	PG	Clyde S. S. Co	Marconi Co.
Leonidae	NNH	300, 600	PG	Government	U. S. Navy.
Lewis Lucken bach	WNH			Edgar F. Luckenbach (California & Atlantic S. S. Co.).	Marconi Co.
Lexington	KNB	300, 450, 500, 550,	PG	Colonial Nav. Co	Nat. Elec. Sig- naling Co.
Lexington	KQL	600. 300, 600	PG	Merchants & Miners Transp. Co.	
Lieut. A. H. Cush-	WYX	400	0	Government	U. S. Army.
ing. Lieut. Geo. M. Harris.	WYR	400	0	do	U. S. Army.
Ligonier	KTD	300, 600	PG	Gulf Refining Co	Marconi Co.
Liscum	WXE	600	PG	Government	U. S. Army.
Llama	KSI	300,600	PG	Standard Oil Co. of N. J.	
	WXF		PG	Government	
Logan		800		The Texas Co	
Louisiana	KUL	300, 600	PG		Marconi Co.
Louisiana	NJB	300,600	PG	Government	U. S. Navy.
Lurline	WMI	300, 600	PG	Matson Nav. Co	
Lydonial	WDY	300, 600	PG	W. A. Lydon	Marconi Co.

Vessel.	Call signat.	Wave lengths.	Serv-	Owner of vessel (line).	Station controlled by—
Lyman Stewart	WTL	300, 600	PG	Union Oil Co. of Cal	Federal Tele
T	KYL	900 000	DC	Ismas C. Dannatt	graph Co.
Lysistrata		300, 600	PG	James G. Bennett	Vessel owner
Macdonough	NJH	300, 600	PG	Government	U. S. Navy.
Machias	NQL	300, 600	PG	Old Dominion S. S. Co	U. S. Navy.
Madison	KOG	300, 600	PG		Marconi Co.
Maine Maine	KME KXD	300, 450, 500, 550,	PG	Charles Clark & Co New England S. S. Co	Marconi Co. Nat. Elec. Sig naling Co.
Maine	NJL	300, 600	PG	Government	U. S. Navy.
Major Afbert G. Forse.	W.I.G	1200	0	do	U. S. Army.
Major Evan Thomas.	WYO	300	0	do	U. S. Army.
Major Samuel Ringgold.	WYC	300	0	do	U. S. Army.
Manchuria	WWE	300, 600	PG	Pacific Mail S. S. 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, 600	PG	Matson Nav. Co	Marconi Co.
Maracaibo	KDM	300, 600	PG	Atlantic & Caribbean Steam Nav. Co. (Red	Marconi Co.
Maracas	KMR	300, 600	PG	D Line). New York Transatlantic S. S. Co. (Inc.).	Marconi Co.
Marblehead	NGK	300, 600		Government	
Marietta	NJQ	300, 600	PG	do	U. S. Navy.
Mariposa	WHP	300, 600	PG	Alaska S. S. Co	Vessel owner
Marowijne	KDR	300, 600	PG	Marowijne S. S. Corp	Tropical Ra
					graph Co.
Marquette & Bessemer No. 1.	WEW	300, 600	PG	Marquette & Bessemer Dock & Nav. Co.	Marconi Co.
Marquette & Bessemer No. 2.	WEX	300, 600	PG	do	Marconi Co.
Mars	NJR	300,600	PG	Government	U. S. Navy.
Maryland	NJS	300,600	PG	do	U. S. Navy.
Mascotte	KOW			Peninsular & Occidental S. S. 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		Standard Oil Co. of N. J.	
Matsonia	WMP	300,600	PG	Matson Nav. Co	Marconi Co.
Maverick	WTW			Standard Oil Co. of Cal .	
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, 600	PG	Mallory S. S. Co	Marconi Co.
Merrimack	KQM	300, 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	Tropica
					Radio Tele graph Co.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Mexican	WKL	300, 600	PG	American-Hawaiian S.S.	Vessel owner
Mexicano	KGM	300, 600	PG	Co. Pierce Oil Corp	Marconi Co.
Mexico	KWX	300, 600	PG	N. Y. & Cuba Mail S. S. Co. (Ward Line).	Marconi Co.
Miami	KOZ			Peninsular & Occidental S. S. Co.	
Miami	NRQ	360, 600, 750	PG.	Government	U. S. C. G.
Michigan	NJZ	300, 600	PG	do	U. S. Navy.
Millinocket	KNM KRR	300, 600	PG PG	A. H. Bull S. S. Co	Marconi Co.
Milwaukee	N-FB	300, 600 300, 600	PG	Ogden Mills	Marconi Co. U. S. Navy.
Minneapolis	NGB	300, 600	PG	do	U. S. Navy.
Minnesota	WEK	300, 600	PG	Lake Michigan S. S. Co.	Marconi Co.
Minnesota	WMI	300, 600	PĞ	Great Northern S. S. Co.	Marconi Co.
Minnesota	NKD	300, 600	PĞ	Government	U. S. Navy.
Minnesotan	WKM	300, 600	PG	American-Hawaiian S. S.	Marconi Co.
Missouri	WFX	300, 600	PG	Co. Northern Michigan S. S. Co.	Marconi Co.
Missouri	NKF	300,600	PG	Government	U. S. Navy.
Missourian	WKX	300,600	PG	American-Hawaiian S. S.	Vessel owner
Mohawk	KVM	300,600	PG	Clyde S. S. Co	Marconi Co.
Mohawk	KXE	300, 550,	PG	New England S. S. Co	Nat. Elec. Sig
Mahamla	TZXZIT	600	D	Dalah E Dame	naling Co.
Mohawk	KYU	300	P	Ralph E. Barry	Vessel owner
Mohawk	NRM KXM	300, <i>600</i> 300, 550,	PG PG	New England S. S. Co	U. S. C. G. Nat. Elec. Sig
		600	_ ~		naling Co.
Momus	KKM	300, 600	PG	Southern Pacific Co	
Monadnock	NHD	300, 600	PG	Government	
Monaghan	NKL	300, 600	PG	do	U. S. Navy.
Mongolia	WWN	300, 600	PG	Pacific Mail S. S. Co	
Monocacy	NQQ	300,600	PG	Government	
Montana	NKM	300, 600	PG	do	U. S. Navy.
Montanan	WKN	300,600	PG	American-Hawaiian S.S.	Vessel owner.
Monterey	KWY	300,600	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.
Moreni	KNX	300,600	PG	Standard Oil Co. of N. J.	
Morrill	NRC	300	PG	Government	U. S. C. G.
Morro Castle	KWC	300, 600	PG	N. Y. & Cuba Mail S. S.	Marconi Co.
Motano	KSB	300, 600	PG	Co. (Ward Line). Standard Oil Co. of N. J.	Vessel owner
Mukilteo	WRL	300, 600		Charles Nelson Co	
Multnomah	WMA	300, 600	PG	Multnomah S. S. Co	Marconi Co.
Muskogee	KIB	300, 600		Standard Oil Co. of N.J.	
Nacoochee	KFP	300, 600	PG	Ocean S. S. Co. (Savan- nah 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, 600	PG	Merchants & Miners Transp. Co.	Marconi Co.
Nashville	NKY	300,600	PG	Government	U. S. Navy.
Navajo	WNJ			Western Steam Nav. Co.	Marconi Co.
		Person		(California & Atlantic	
				S. S. Co.).	

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Navajo	NKZ	300, 600	PG	Government	U. S. Navy.
Navesink	WXU	400, 600,	0	do	U. S. Army.
Nebraska	NMA	300,600	PG	do	U. S. Navy.
Nebraskan	WKY	300, 600	PG	American-Hawaiian S. S.	Vessel owner.
Neches	KEE	300,600	PG	Mallory S. S. Co	Marconi Co.
Nelson Nemo	KNL KZE	300, 600 300, 450, 600	PG P	Cuba Distilling Co M. N. Liebmann	Marconi Co. Emil J. Si- mon.
Neptune	NMS	300,600	PG	Government	U. S. Navy.
Nereus	NNF	300,600	PG	do	U. S. Navy.
Nero	NMB	300,600	PG	do	U. S. Navy.
Nevadan	WKZ	300, 600	PG	American-Hawaiian S.S.	Vessel owner.
New Hampshire	KXF	300, 450, 500, 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, 450, 500, 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.
New York	KNK			United N. Y. & Sandy Hook Pilots' Assn.	Marcoll Co.
New York	KSN	300, 600	PG	International Mercantile Marine Co. (American Line).	Marconi Co.
New York	NCC	300, 600	PG	Government	U. S. Navy.
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, 600	PG	Great Northern Pacific S. S. Co.	Marconi Co.
Northland	WNX	300, 600	PG	E. J. Dodge Co	Marconi Co.
North Land	WCN	300, 600	PĞ	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.
North Star	KYZ	300, 600	PG	Cornelius Vanderbilt	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, 600	PG	Sudden & Christensen (Inc.).	Marconi Co.
Nueces	KEH	300, 600	PG	Mallory S. S. Co	Marconi Co.
Nushagak	WNE	300, 600	PG	Alaska Packers' Assn	Vessel owner.
O'Brien	NIV	300, 600	PG	Government	U. S. Navy.
Oceana	KNV	300, 600		Bermuda-American S.	J. D. 1141.
Octorara	WCD	300, 600	PG	S. Corp. Erie & Western Transp. Co. (Anchor Line).	Marconi Co.
Ohio	NMW	300,600	PG	Government	U. S. Navy.

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

	<u> </u>	1	_	·	
Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Ohioan	WKQ	300, 600	PG	American-Hawaiian S. S. Co.	Vessel owner.
Old Colony Oleum	KJO WTD	300, <i>600</i> 300, <i>600</i>	PG 	Eastern S. S. Corp Fillmore Condit (Union Oil Co.).	Marconi Co.
Olivette	Kov	300, 600	PG	Peninsular & Occidental S. S. Co.	Marconi Co.
Olson & Mahony	WIK	300, 600	PG	Olson & Mahony	Golden Gate Transp. Co.
Oneida	KYP	300, 550, 600	P	E. C. Benedict	Vessel owner.
Oneonta	WPX	300,600	PG	Port of Portland	Marconi Co.
Onondaga	NRO	300, <i>600</i> , 750	PĞ	Government	Ü. 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			Crowley Launch & Tug- boat Co.	Marconi Co.
Oregonian	WKO	300, 600	PG	American-Hawaiian S.S. Co.	Vessel owner.
Orion	NOC	300, 600	PG	Government	U. S. Navy.
Osceola	NOA	300, 600	PG	do	U.S. Navy.
Ossipee	NRJ	300, <i>600</i> , 750,1000	PG	Government	U. S. C. G.
Owera	KZG	300, 600	PG	Peter G. Gerry	Marconi Co.
Ozark	инн	300, 600	PG	Government	U. S. Navy.
Pacific	KIL	300, 600	PG	Emery S. S. Co	Vessel owner.
Paducah	NOG	300, 600	PG	Government	U. S. Navy.
Palos	NQS	300, 600	PG	do	U. S. Navy.
Pamlico	NRR	300	PG	do	U. S. C. G.
Pampanga	NQT	300, 600	PG	do	U. S. Navy.
Panama	KMH	300, 600	PG	Panama R. R. Co	Vessel owner.
Panaman	WKR	300, 600	PG	American-Hawaiian S.S.	Vessel owner.
Pan American	KUT	300, 600	PG	Texas S. S. 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	KTT	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	dio Tele-
Parker	NIX	300, 600	PG	Government	graph Co.
Parthian	KQP	300, 600	PG	Merchants & Miners	U. S. Navy.
Pastores	KLA	300, 600	PG	Transp. Co. Pastores S. S. Corp	Tropical Ra-
Patapsco Pathfinder	NOL NLJ	600 300, <i>600</i>	····	Governmentdo	graph Co. U. S. Navy. U. S. Dept. of Commerce.
Patterson	NLH	300, 600	0	do	U. S. Dept. of Commerce.
Patterson	NOK	300, 600	PG	do	U. S. Navy.
Patuxent	NOM	300, 600	PĞ	do	U. S. Navy.
Paulding	NON	300, 600	PĞ	do	U. S. Navy.
Paul Jones	NOP	300, 600		do	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—
Pavlof	wno	300, 600	PG	Pacific-American Fisheries	Marconi Co.
Penusylvania	wwi	300, 600	PG	Pacific Mail S. S. Co	Marconi Co.
Pennsylvanian	WKP	300, 600	PĞ	American-Hawaiian S.S.	
Peoria	NOW	300, 600	PG	Government	U. S. Navy.
Pequonnock	KXP	300, 550, 600	PĞ	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, 600	PG	do	Marconi Co.
Pere Marquette 19	WDB	300, 345, 600	PG	do	Marconi Co.
Pere Marquette 20	WDE	300, 600	PG	do	Marconi Co.
Perfection	KTN	300, 600	PĞ	Standard Transportation	Marconi Co.
Perkins	NOX	300, 600	PG	Co. Government	U. S. Navy.
Perry	NOY	300, 600	PĞ	do	U. S. Navy.
Persian	KQX	300, 600	PĞ	Merchants & Miners Transp. Co.	Marconi Co.
Peru	WWJ	300, 600	PG	Pacific Mail S. S. Co	Marconi Co.
Petrel	NOZ	300, 600	PĞ	Government	U. S. Navy.
Petrolite	KIF	300, 600	PĞ	Standard Oil Co. of N. J	Vessel owner
Philadelphia	KDA	300, 600	PĞ	Atlantic & Caribbean Steam Nav. Co. (Red	Marconi Co.
Philadelphia	KSM	300, 600	PG	D Line). International Mercantile Marine Co. (American	Marconi Co.
				Line).	
Pilot Boy	KPL	300, 600	PG	Texas & Gulf S. S. Co	l
Pioncer	KIG	300, 600	PG	Standard Oil Co. of N. J.	Vessel owner.
Pitteburgh	NOT	300, 600	PG	Government	U. S. Navy.
Platuria	KSE	300, 600	PG	Standard Oil Co. of N. J.	Marconi Co.
Pleiades Plymouth	WNP KXH	300, 600 300, 550,	PG PG	Edgar F. Luckenbach New England S. S. Co	Marconi Co. Nat. Elec.Sig
Dolorino	T/OI	600	DC.	Standard Oil Co. of N. I.	naling Co.
Polarine	KOI	300, 600	PG	Standard Oil Co. of N. J Government	Vessel owner.
Pompey Ponce	NQF KGP	300, 600 300, 600	PG PG	New York & Porto Rico S. S. Co.	U. S. Navy. Marconi Co.
Portland	WNV	300, 600	PG	Nyno Line (Inc.)	Vessel owner.
Potomac	NQK	300, 600	PG	Government	U. S. Navy.
Powhatan	KQY	300, 600	PG	Merchants & Miners Transp. Co.	Marconi Co.
Prairie	NQM	300, 600	PG	Government	U. S. Navy.
Preble	NON	300, 600	PG	do	U. S. Navy.
President	NQN WGP	300, 600	PG	Pacific Coast Co	Marconi Co.
Preston	NQO	300, 600	PG	Government	U. S. Navy.
Princess Anne	KŎB	300, 600	PG	Old Dominion S. S. Co	
Princeton	KST	300, 600	PG	Standard Oil Co. of N. J.	Vessel owner.
Princeton	NQP	300, 600	PG	Government	U. S. Navy.
Priscilla	KŽI	300, 550, 600	PG	New England S. S. Co	
Prometheus	NQR	300, 600	PG	Government	U. S. Navy.
Proteus	KŘP	300, 600	PĞ	Southern Pacific Co	Marconi Co.
Proteus	NNG	300, 600	PĞ	Government	U. S. Navy.
Providence	KXJ	300, 550, 600		New England S. S. Co	Nat. Elec.Sig- naling Co.
Puritan	WDU	300,600	PG	Graham & Morton 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—
Quantico	KQQ	300, 600	PG	Merchants & Miners	Marconi Co.
Queen Radiant	WGX KTR	300, <i>600</i> 300, <i>600</i>	PG PG	Transp. Co. Pacific Coast S. S. Co Standard Transportation Co.	Marconi Co. Marconi Co.
Rainbow Raleigh	NTD NTE	300, 600 300, 600	PG PG	Governmentdo	U. S. Navy. U. S. Navy.
Ramos Ranger Ransom B. Fuller. Rayo	KER NFU KRF KTL	300, 600 300, 600 300, 600 300, 600	PG PG PG	Sloan, Danenhower & Co. Government Eastern S. S. Corp Standard Transportation Co.	U. S. Navy. Marconi Co. Atlantic Com- munication
Redondo Reid Relay Relief	WBM NTU KVZ KRJ	300, 600 300, 600 300, 600	PG PG P	Alaska S. S. Co	Co. Vessel owner. U. S. Navy. Vessel owner.
Relief Lightship 66 or 85.	NLD	300, 600	PG	rick & Wrecking Co. Government	U. S. Navy.
Relief Lightship 71 or 72.	NLE	300, 600	PG	do	U. S. Navy.
Relief Lightship 94 or 53.	NLG	300, 600	PG	do	U. S. Navy.
Remlik Reno	KZR WYN	300, <i>600</i> 300	PG 0	Willis S. Kilmer	Marconi Co. U. S. Army.
Rescue	KRP	300, 600	PG	Merritt & Chapman Derrick & Wrecking Co.	Vessel owner.
Restorer	WIU	300, 600	P	Commercial Pacific Ca- ble Co.	Vessel owner.
Reuce	WSR	300, 600	PG	Columbia River Packers' Assn.	Vessel owner.
Rhode Island Richard Richard Peck	NTX WLG KXR	300, 600 300, 600 300, 450, 500, 550,	PG PG	Richard Hulett & Son New England S. S. Co	U. S. Navy. Nat. Elec. Signaling Co.
Richmond Rio Grande Roamer	WTR KEG KZN	300, 600 300, 600	PG PG	Standard Oil Co. of Cal Mallory S. S. Co State of Florida	Marconi Co. Marconi Co.
Roanoke Roe Roma	WRR NTZ WTE	300, 600 300, 600 300, 600	PG PG	North Pacific S. S. Co Government Union S. S. Co. (Union	Marconi Co. U. S. Navy.
Roosevelt	NLR	300, 600	0	Oil Co.). Government	U. S. Dept. of Com- merce.
Rose City	wwr	300, 600	PG	San Francisco & Port- land S. S. Co.	Marconi Co.
Sabine Sacramento Salem Sandy Hook	KEB NQV NTP KNJ	300, 600 300, 600 300, 600 300, 600	PG PG PG	Mallory S. S. Co	Marconi Co. U. S. Navy. U. S. Navy.
San Francisco San Francisco San Jacinto San Jose San Juan	KRT NTQ KES WWL KGJ	300, 600 300, 600 300, 600 300, 600 300, 600	PG PG PG PG PG	Hook Pilots' Assn. U. S. Steel Products Co Government	Marconi Co. U. S. Navy. Marconi Co. Marconi Co. Marconi Co.

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Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controll by—
San Juan	W.W.II	300, 600	PG	Pacific Mail S. S. Co	Marconi Co.
San Marcos	KEK	300, 600	PG	Mallory S. S. Co	Marconi Co.
	KLV			San Mateo S. S. Corp	Biai Com Co.
San Mateo		300, 600			
San Pablo	KLW	300, 600		San Pablo S. S. Corp	
San Pedro	KLX	300, 600		San Pedro S. S. Corp	11
San Ramon	H, N, H	300, 600	PG	E. J. Dodge Co	Marconi Co.
Santa Ana	WAL	300, 600	PG	Alaska S. S. Co	Vessel owne
Santa Catalina	WBC	300, 600	PG	Atlantic & Pacific S. S.	Marconi Co.
Santa Cecilia	WBB	300, 600	PG	do	Marconi Co.
Santa Clara	WBA	300, 600	PG	do	Marconi Co.
Santa Clara	WRS	300, 600	PG	North Pacific S. S. Co	Marconi Co.
Santa Cruz	WPA	********		Puget Sound Salvage Co.	
Santa Cruz	WBD	300, 600	PG	Atlantic & Pacific S. S.	Marconi Co.
Santa Maria	WTF	300, 600	PG	United S. S. Co. (Union Oil Co.).	
Santa Marta	KLG	300, 600	PG	Santa Marta S. S. Corp	Tropical R
				•	dio Tel-
					graph Co.
Santanta	KZS	300, 600	P	Osborne Howes	Vessel owne
Santa Rita	WTG	300, 600	No.	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.	Marconi Co.
Jan (Tago	KWL	300,000	10	Co. (Ward Line).	marcom co.
Saramacca	KLH	300, 600	PG	Saramacca S. S. Corp	Tropical F
	2022	000,000	1	, and the second	dio Tel
					graph Co.
Saratoga	KWS	300, 600	PG	N. Y. & Cuba Mail S. S.	Marconi Co.
Saratoga	KWB	300, 000	10	Co. (Ward Line).	Marcom Co.
Compton.	NTR	200 000	D/3		TI C M
Saratoga		300, 600	PG	Government	U. S. Navy
Sarnia	KVR	300, 600	PG	Sarnia S. S. Corp	Marconi Co
Satellite	KPS	300, 600	PG	Alfred S. Sorensen & Sons.	Vessel own
Satsuma	KJI	300, 600	PG	Barber & Co	Marconi Co.
Saturn	NNM	300, 600	PG	Government	U. S. Navy
Sayonara	KYJ	300,000	10	A. J. Drexel	Vessel owner
	NTT	200 000	DO		
Scorpion		300, 600	PG	Government	U.S. Navy.
Security	KSJ	300, 600	PG	Standard Transporta-	Marconi Co.
Seeandbee	WFS	300, 600	PG	Cleveland & Buffalo	Marconi Co
0	T2332/3	000 000	DC	Transit Co.	11 . 0
Seguranca	KWG	300, 600	PG	Edward N. Breitung	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	Steele Towing & Wreck- ing Co.	Vessel own
Seneca	NRE	300, 600	PG	Government	U. S. C. G.
0 1	337 . 77	750	- ~		
Seward	WAV	300, 600	PG	Alaska S. S. Co	Vessel own
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	
Siberia	WWU	300,600	PG	Pacific Mail S. S. Co	Marconi Co
Sibiria	KVS	300, 600	PG	Sibiria S. S. Corp	Marconi Co
Sierra	WHJ	300, 600	PG	Oceanic S. S. Co	
U-U	11 119	300,000	1 0	Occame B. B. Co	
Sivanla	KDS	200 600	DO	Sizoolo S S Com	graph Co.
Sixaola	VDD	300, 600	PG	Sixaola S. S. Corp	Tropical F
					dio Tel

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
S. M. Fischer	WPH	300, 600	PG	Reid Wrecking Co	Marconi Co.
Smith	NSQ	300, 600	PG	Government	U. S. Navy.
Snohomish	NRF	300	PG	do	U. S. C. G.
Socony	KTX	300,600	PG	Standard Oil Co. of N. Y.	Atlantic Com-
occony	11171	300,000	10	Standard Off Co. of IV. 1.	munication
Solace	NST	300, 600	PG	Government	Co. U. S. Navy.
Somerset	KQS	300, 600	PG	State Street Trust Co.	C.D. Havy.
omeroe v	II QO	000,000	1 0	(Merchants & Miners	
Somorant	KSU	300, 600	PG	Transp. Co.). Standard Oil Co. of N. J.	Vessel owner.
Somerset	WHM	300, 600	PG	Oceanic S. S. Co	v caser owner.
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 & Geor-	Marconi Co.
South American .	WEO	300,000	14	gian Bay S. S. Co.	marconi Co.
South American	KVW	300, 600	PG	The Texas Co	Marconi Co.
South Carolina	NSW	300, 600	PG	Government	U. S. Navy.
South Dakota	NSX	300, 600	PG	do	U. S. Navy.
Southerner	KJF	300, 600	PG	Walker, Armstrong &	Marconi Co.
Speedwell	WQS	300, 600	PG	Co. A. F. Estabrook (Sou.	Marconi Co.
				Oreg. Transp. Co.).	
Spokane	WGE	300, 600	PG	Pacific Coast Co	Marconi Co.
Sprigg Carroll	WZU	1200	0	Government	U. S. Army.
Standard	KIC			Standard Oil Co. of N. J.	
S. O. Co. No. 91	WTU	300, 600	PG	Standard Oil Co. of Cal.	Marconi Co.
S. O. Co. No. 92	KTY			Standard Transporta- tion Co.	
S. O. Co. No. 93	WTY	300, 600	PG	Standard Oil Co. of Cal.	Marconi Co.
S. O. Co. No. 94.	KTP	300,000		Standard Transporta-	marcom co.
3. 0. 00. 110. 31	IXII			tion Co.	
S. O. Co. No. 95	WTZ	300, 600	PG	Standard Oil Co. of Cal.	Marconi Co.
St. Francis	WHH	300, 600	PG	Alaska Fishermen's	Vessel owner.
		000,000	_ ~	Packing Co.	T CODOL O WILOT
St. Helens	WNY	300, 600	PG	E. J. Dodge Co	Marconi Co.
St. Louis	KSL	300, 600	PG	International Mercantile	Marconi Co.
				Marine Co. (American	
				Line).	
St. Louis	NTF	300, 600	PG	Government	U.S. Navy.
St. Nicholas	WSS	300, 600	PG	Columbia River Pack-	Vessel owner
St. Paul	KSO	200 600	PG	ers' Assn. International Mercantile	Marconi Co.
on Laul	NbO	300, 600	10	Marine Co. (American	marcom Co.
				Line).	
Stanley Dollar	WSD	Language.	5.325	Dollar S. S. Line	
Starr	WPS	300, 600	PG	San Juan Fishing &	Vessel owner.
~~~~~	1112	300,000	1 4	Packing Co.	V CSOCI OWIEL.
State of Ohio	WFR	300, 600	PG	Cleveland & Buffalo	Marconi Co.
		, , , , , ,		Transit Co.	
Sterrett	NTB	300, 600	PG	Government	U. S. Navy.
Stewart	NTC	300, 600	PG	do	U. S. Navy.
Stranger	NSR	300, 600		do	,
Sultana	KZH	300, 600	PG	Mrs. Mary W. Harriman.	Marconi Co.
Sumner	WXL	600	PG	Government	U. S. Army.
Sun	KTU	300, 600	PG	Sun Co	Marconi Co.
Supply	NTK	300, 600	PG	Government	U. S. Navy.
Suriname	KLI	300, 600	PG	Suriname S. S. Corp	Tropical Ra
					dio Tele
				I .	graph Co.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
S. V. Luckenbach.	KGU	300, 600	PG	Edgar F. Luckenbach	Marconi Co.
Suwannee	KQZ	300, 600	PG	State Street Trust Co. (Merchants & Miners Transp. 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	
Fallapoosa	NRV	300, <i>600</i> 750, 1000	PG	do	U. S. C. G.
Tarantula	KZT			W. K. Vanderbilt, jr	
Tasco	KFT	300, 400, 480, 600	PG	T. A. Scott Co. (Inc.)	Vessel owner
l'atoosh	WPE	300, 600	PG	Puget Sound Tug Boat	Vessel owner
renadores	KLB	300, 600	PG	Tenadores S. S. Corp	Tropical Ra
Γennessee	NUG	300, 600	PG	Government	graph Co. U. S. Navy.
remessee	NUI	300, 600	PG	do	U. S. Navy.
rexan	WKT	300, 600	PG	American-Hawaiian S.S.	
Гехав	KUR	300, 600	PG	The Texas Co	Marconi Co.
Texas	NCD	300, 600	PG	Government	U. S. Navy.
The Harvester	WCR	300, 600	PG PG	Wisconsin Steel Co Government	Marconi Co. U. S. C. G.
Thomas	WXM	300, 600 600	PG	do	U. S. Army.
rionesta	WCA	300, 600	PG	Erie & Western Transp.	Marconi Co.
l'ivives	KMI	300, 600	PG	Co. (Anchor Line). Tivives S. S. Corp	Tropical Ra
D-1-3-	ETPU	200 000	DC	Sun Co	graph Co.
Foledo	KTV NUN	300, 600	PG PG	Sun Co	Marconi Co. U. S. Navy.
l'opila	KKE	300, 600	PG	Southern Pacific Co	
Frinidadian	KNO	300, 600	PG	Gulf Refining Co	Marconi Co.
[rippe	NUQ	300,600	PG	Government	U. S. Navy.
Fruxton	NUS	300, 600	PG	Turrialba C. C. Corra	U. S. Navy.
Furrialba	KDT	300, 600	PG	Turrialba S. S. Corp	dio Tele graph Co.
Fuscan	KQT	300, 600	PG	Merchants & Miners Transp. Co.	0 1
Tuscarora	NRL	300, 600	PG	Government	U. S. C. G.
Ulysses Umatilla	KPU WGU	300, 600	PG	Panama Canal	Marconi Co.
Unalga	NRX	300, 600,	PG	Government	U. S. C. G.
Uncas	NVF	800 300, <i>600</i>	PG	do	U. S. Navy.
Utah	NVE	300, 600	PG	do	U. S. Navy.
Vanadis	KYT	300, 450, 600	P	C. K. G. Billings	Vessel owner
Venetia	WOV	200 600	DC.	J. D. Spreckles	Vessel owner
VenturaVermont	WHL NVK	300, 600	PG PG	Oceanic S. S. Co	U. S. Navy.
Vesta	KTS	300, 600	PG	Standard Transporta-	Marconi Co.
Vestal	NMC	300, 600	PG	tion Co. Government	U. S. Navy.
Vesuvius	NVM	300, 600	PG	do	U. S. Navy.
Vicksburg	NVN	300, 600	PG	do	U. S. Navy.
Victoria	WAD KWV	300, 600	PG PG	Alaska S. S. Co N. Y. & Cuba Mail S. S	Vessel owner Marconi Co.
Vigilancia	TZ AA A	300,600	1.0	Co. (Ward Line),	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—
Villalobos	NVP	300, 600	PG	Government	U. S. Navy.
Virginia	WFH	300,600	PG	Goodrich Transit Co	Marconi Co.
	NVR	300,600	PG	Government	U. S. Navy.
Virginia	WKV		PG	American-Hawaiian S.S.	Vessel owner.
Virginian	WEA	300, 600	ru	Co.	vesser owner.
Vixen	NSU	300, 600		Government	
Vulcan	NVT	300,600	PG	do	U. S. Navy.
Wakiva	KYI	300,600	PG	Lamon V. Harkness	Marconi Co.
Walke	NWL	300, 600	PG	Government	U.S. Navy.
Wallula	WPY	300, 600	PG	Port of Portland	Marconi Co.
Wana	KYX	300, 600	P	George C. Sherman	Marconi Co.
Wapama	WMG	300,600	PG	Chas. R. McCormick &	Marconi Co.
Warren	WXN	600	PG	Co. Govermnent	U. S. Army.
	NWD	300,600	PG	do	U. S. Navy.
Warrington	NWE		PG	Government	U. S. Navy.
Washington		300,600		Union C. C. (Union	U. S. Navy.
Washtenaw	WTH	300, 600	PG	Union S. S. Co. (Union Oil Co.).	
Wasp	NSV	300, 600	PG	Government	
Wayfarer	KYW	000,000	1.4	Alfred G. Vanderbilt	
W. B. Flint	WHG	300,600	PG	Alaska Fishermen's	Vessel owner.
				Packing Co.	
W. B. Keene	KWK	300, 600	PG	Hilton Dodge Transp.	Marconi Co.
West Virginia	NWG	300,600	PG	Government	U.S. Navy.
Western States	WED	300,600	PG	Detroit & Cleveland	U. b. Mavy.
Western Busies		000,000	1.4	Nav. Co.	
Westwego	KGE	300, 600	PG	Union Petroleum S. S. Co.	Vessel owner.
Wheeling	NWH	300, 600	PG	Government	U.S. Navy.
Whipple		300, 600	PG	do	U.S. Navy.
Whittier		300, 600	PG	Max Dyer (Union Oil	
Wico	KNN	300, 600	PG	Co.). Standard Oil Co. of N. J.	Marconi Co.
Wild Duck		300, 600	PG	Gulf Refining Co	Marconi Co.
Wilhelmina		300, 600	PG	Matson Nav. Co	Marconi Co.
Willamette		300, 600	PG	Willamette S. S. Co	Marconi Co.
William Chatham.	WMC	300,600	PG	Steamer William Chat-	Marconi Co.
wiiiam Chatham.	WINC	300,000	14	ham Co. (Inc.).	marconi co.
Wm. F. Herrin	WTN	300, 600	PG	Associated Oil Co	Marconi Co.
William O'Brien	KPN	300,600		East Coast Transp. Co	Marconi Co.
Wilmington		300,600	PG	Government	U.S. Navy.
Windber	WND	300, 600	PG	Pacific-American Fisheries.	Marconi Co.
Windom	NRW	300, 600	PG	Government	U. S. C. G.
Winifred	KTE	300, 600	PĞ	Gulf Refining Co	Marconi Co.
Winalow		300, 600	PĞ	Government	U. S. Navy.
Wisconsin	NWM	300,600	PĞ	do	U.S. Navy.
Worden	NWP	300,600	PĞ	do	U.S. Navy.
W. S. Porter	WTM	300,600	PG	Associated Oil Co	
Wyoming	NWQ	600	PG	Government	U. S. Navy.
Yale.	WRY		PG	Metropolitan S. S. Co.	Federal Tele-
. <b> </b>	""	300, 600	1.0	(Pacific Steam Nav.	graph Co.
Yamacraw	NRY	300, 600	PG	Co.). Government	U. S. C. G.
Yankton		300,600	PG	dovernmentdo	
Yorktown		300,600	PG		U.S. Navy.
Yosemite		300,600	PG	Yosemite S. S. Co	Marconi Co.
* ADCIMING******	WMY	300,600		North Pacific S. S. Co	Maiconi Co.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Zacapa	KLE	300, 600	PG	Zacapa S. S. Corp	Tropical Ra- dio Tele- graph Co.
Zapora	WPQ	300, 600	PG	International Fisheries	Vessel owner.
Zealandia	KNR	300, 600	PG	Fiske Trading Co	Nat. Elec. Signaling Co.
Zulia	KDZ	300, 600	PG	Atlantic & Carribbean Steam Nav. Co. (Red D Line).	Marconi Co.

[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 KDB KDC	Philadelphiab Caracasb	KEO KEP	Lampasas b
KDD KDE	Douglas, Arizc Cartagob Carrillob	KEQ KER	Ramosb
KDF KDG	Coppename b Parismina b	KES KET	San Jacinto
KDH KDI	Herediab Abangarezb	KEU	
KDJ KDK	Atenas b	KEV	
KDL KDM KDN	Espartab Maracaibob San Luis Obispo, Calc	KEW KEX	Los Angeles, Calc
KDO KDP	Portland, Oreg	KEY KEZ KFA	Brazosb City of Columbusb
KDQ KDR	Marowijneb	KFB KFC KFD	City of Atlantab City of Maconb City of Memphisb
KDS KDT KDU	Sixoalab Turrialbab Juneau, Alaskac	KFE KFF	Friedab
KDV		KFG KFH	Herman Fraschb
KDW		KFI KFJ	I. D. Fletcherb City of Augustab
KDX		KFK	City of Savannahb
KDY		KFL	
KDZ KEA	Zuliab	KFM	
KEB KEC	Sabineb	KFN	
KED KEE	Neches. b	KFO KFP	Nacoocheeb
		KFQ	
KEF KEG KEH KEI	Rio Grande b Nueces b Medina b	KFR KFS KFT	San Francisco, Cal
KEJ KEK	San Marcosb	KFU KFV	Lents, Oregc
KEL	h	KFW	
KEM KEN	Comalb	KFW	City of St. Louisb

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

Call signal.	Station.	Call signal.	Station.
KFY	City of Montgomeryb	KHR	
KFZ		KHS	
KGA	Coamob	KHT	Naknek, Alaska
KGB	Carolinab	KHU	
KGC		KHU	
KGD	Daciab	KHV	
KGE	Westwegob	KHW	
KGF		KHX	Heeia Point, Hawaii
KGG		KHY	
KGH	Hollister, Calc		
KGI	Oakland, Calc	KHZ	Andreas
KGJ	San Juanb	KIA KIB	Ardmore
KGK	<b>.</b>	KIC	Standard
KUK		KID	Matinicock
KGL		KIE	Koko Head. Hawaii
KGM	Mexicanob	KIF	Petrolite
KGN	Albina, Oregc Underwood, Washc	KIG	Pioneer
KGO	Underwood, Washc	KIH KII	Corning
KGP	Ponceb	NII.	Evangeline
KGQ		KIJ	
KGŘ	Atlantab	KIK	Atlantic
KGS KGT	Senator Baileyb  J. L. Luckenbachb	KIL	Pacific
KGU	S. V. Luckenbachb	KIM	
KGV		KIN	
KGW		KIO	
KGX		KIP	
KGY		KIQ	
KGZ		KIR	
KHA	Karluk, Alaskac	7770	
KHB	Kogiung, Alaskac	KIS	
KHC	Chignik, Alaskac	KIT	
KHD		KIU	
KHE			
KHF	Nushagak, Alaskac	KIV	Iditarod, Alaska
KHG	Clarks Point, Alaskac	KIW	Victor, Colo
кнн	L	KIX	Denver, Colo
		KIY	
KHI KHJ	Koko Head, Hawaiic	KIZ	Tolovana, Alaska
KHK	Wahiawa, Hawaii	*****	
KHL	Lahaina, Hawaii	KJA	Jualin, Alaska
KHM	Lihue, Hawaii	KJB	Bunker Hill
KHN	Kawaihae, Hawaiic		San Charles and The Con-
кно	Kaunakakai, Hawaiic	KJC	North Land
KHP		KJD KJE	North LandGeorgiana
KHQ	Phoenix, Ariz		Southerner

Call signal.	Station.	Call signal.	Station.
KJG		KKU	El Mundob
77 1 1 1		KKV	El Oriente
KJH KJI	Satsumab	KKW KKX	El Valleb El Occidenteb
		KKY	El Dia
KJJ		KKZ KLA	El Rio
KJK		KLB	Pastorest
		KLO	Calamares
KJL KJM	Massachusettsb	KLD KLE	Almiranteb
LY IVI	Massachusetts	KLE	Zacapat
KJN		KLG	Santa Martab
KJO	Old Colonyb	KLH KLI	Saramacca
KJP			
KJQ		KLJ KLK	Craster Hall
KJR	Rialto, Calc	KLL	
KJS	North Starb	KLM	Bantul
КЈТ		KLN KLO	Kentra
KJU		KLP	
KJV		KLQ KLR	Crofton Hall
KJW		KLS KLT	Los Angeles, Cal
KJX		KLU	Howick Hall
		KLV	San Mateol
KJY		KLW KLX	San Pablo
KJZ KKA	Antilles b	KLY	San Fedro
KKB	El Solb		
KKC KKD	Chalmetteb	KLZ KMA	Allianca
KKE	Topilab	KMA	Amança
KKF	1	KMB	
		KMC	
KKG		KMD   KME	Cristobal
ккн		KMF	Egegak Alaska
KKI	<u></u>	KMG KMH	Nushagak, Alaska
KKJ		KMI	Tivives
17 17 17		KMJ KMK	Naknek, Alaska
KKK KKL	El Albab	KML	Kvichak, Alaska
KKM	Momusb	KMM	Panucol
KKN	El Norteb	KMN	
KKO KKP	Excelsiorb		
KKQ	El Sudb	KMO	
KKR KKS	Creole	KMP	
KKT	El Cid b	KMQ	1

Ancon	Call signal.	Station.	Call signal.	Station.
Ancon.	KMR	Maracasb	KOL	
Komula	KMS			
CMV		Kvichak Alaska c	KOM	Lever to the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the contract of the c
Advance		Honghik Alaska	21021	
Akutan, Alaeka	LMU	January Alaska	FON	
Colon		Advance	KON	
KOP		Akutan, Alaska		
Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Marcollant   Mar	KMX	1	KOO	
NA	KMY		KOP	
	KMZ		W00	
Concord	KNA	Dorothy Bradfordb	KOQ	
Concord	KNB	Lexingtonb		
ROD		Concord	KOR	Valorum Store Set Starter and Section
KOT	KND	Beverly		Brunswick
KNF				
Radford	KNE			
No	KNF			1
Note	KNG	Bradfordb	KOV	Olivette
De Soto	KNH	Brocktonb	KOW	Mascotte
Note	KNI		KOX	Henry M. Flagler
New York		Sandy Hook h	22022	
Nelson		Now York	KOV	The same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the sa
KNM         Millinocket         b         KPA         Seattle, Wash           KND         Trinidadian         b         KPC         Astoria, Oreg           KNP         Lorrier         b         KPD         KPD           KNR         Zealandia         b         KPF         Seattle, Wash           KNR         KPG         KPH         KPF           KNS         KPF         KPF         KPF           KNV         Currier         b         KPJ         East San Pedro, Cal           KNV         KNV         KPH         KPH         KPH           KNX         KNY         KPH         KPH         KPH           KNX         Moreni         b         KPN         Eureka, Cal         William O'Brien           KNY         KOB         Princess Anne         b         KPP         KPQ           KOB         Jamestown         b         KPR         KPS         Satellite           KOF         KOF         KPT         Achilles         LUlysses           KOF         KOI         Polarine         b         KPV				
No		Nelson		Misini
Trinidadian				Seattle, wash
No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.   No.				
KPD   KPE   Seattle, Wash   KPF		Trinidadianb	KPC	Astoria, Oreg
KPD   KPE   Seattle, Wash   KPF	KNP	Daytonb		I Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Section Sect
KPE			KPD	
XNS	KNQ		KPE	
KPF   KPG   KPH   Hillcrest, Cal.   KPI   Avalon, Cal.   KPI   Avalon, Cal.   KPI   East San Pedro, Cal.   KPI   East San Pedro, Cal.   KPI   KPI   East San Pedro, Cal.   KPI   East San Pedro, Cal.   KPI   East San Pedro, Cal.   KPI   Eureka, Cal.   KPN   William O'Brien   KPN   William O'Brien   KPO		Zealandia		200000,
KPG			KPF	
KPH	WAS		K DC	
Currier	TZ NI /TD			Willowet Col
Currier	VM I	•••••		Hillcrest, Cal
KNV	*****			Avaion, Cal
KPK			KPJ	East San Pedro, Cal
KPL   Filot Boy.   KPM   KNV	Oceanab	i		
KPM				
KPM	KNW		KPL	Pilot Boy
KPN   William O'Brien   KPN   KPO   KPO   KPO   KPO   KPO   KPO   KPO   KPO   KPO   KOA   Jamestown   b KOB   Jefferson   b KOE   Communipaw   b KPR   KPS   KPS   KPS   KPT   Achilles   KPT   Achilles   KPT   KOG   Madison   b KPU   Ulysses   KOI   Polarine   b KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV   KPV	KNX	Morenib	KPM	Eureka, Cal
KPO			KPN	William O'Brien
KNZ   KOA   Hamilton	KNY			,
KOA         Hamilton         b         KPP           KOB         Princess Anne         b         KPQ           KOC         Jamestown         b         KPQ           KOE         Communipaw         b         KPR           KOF         KPS         KPT         Achilles           KOG         Madison         b         KPU         Ulysses           KOH         Glenpool         b         KPV			KPO	
KOB         Princess Anne         b           KOC         Jamestown         b           KOD         Jefferson         b           KOE         Communipaw         b           KOF         KPS           KOG         Madison         b           KOH         Glenpool         b           KOI         Polarine         b           KPV         KPV	KNZ			
KOC         Jamestown         b         KPQ           KOD         Jefferson         b         KPR           KOE         Communipaw         b         KPR           KOF         KPT         Achilles           KOG         Madison         b         KPU           KOH         Glenpool         b           KOI         Polarine         b         KPV	KOA		KPP	
KOC         Jamestown         b         KPQ           KOD         Jefferson         b         KPR           KOE         Communipaw         b         KPR           KOF         KPT         Achilles           KOG         Madison         b         KPU           KOH         Glenpool         b           KOI         Polarine         b         KPV	KOB	Princess Anneb		The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon
KOD         Jefferson         b         KPR           KOE         Communipaw         b         KPR           KOF         KPT         Achilles           KOG         Madison         b         KPU           KOH         Glenpool         b           KOI         Polarine         b         KPV	KOC		KPQ	
KOE         Communipaw         b         KPR         KPS         Satellite         Satellite         Machilles	KŎĎ	Jefferson h		
KPS   Satellite		Communinaw	KPR	La company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the com
KOF         KPT         Achilles           KOG         Madison         b         KPU         Ulysses           KOH         Glenpool         b         KPV	11010			
KOG       Madison       b       KPU       Ulysses         KOH       Glenpool       b       KPV	T/OF			
KOI   Polarineb    KPV				Achilles
KOI   Polarineb    KPV		Madisonb	KPU	Uly8868
KOI   Polarineb    KPV		Glenpoolb	M	
XOJ KPW Cape Cod	KOI	Polarineb		
XOJ KPX Marshfield, Oreg			KPW	Cape Cod
		1		
	ζΟJ			Marshfield, Oreg

Call signal.	Station.	Call signal.	Station.
KPZ		KRX	
KQA		KRY	
KQB	Berkshireb	11101	
KQC	Cretanb	KRZ	
KQD	Dorchesterb	KSA	Astral
KQE	Essexb	KSB	Motano
-		KSC	Cushing
KQF		KSD	San Diego, Cal
KQG	Gloucesterb	KSE	Platuria
KQH	Howardb	KSF	Finland
KQI	Indianb	KSG	Baton Rouge
KQJ	Juniatab	KSH	Kroonland
KQK	Kershawb	KSI	Llama
KQL	Lexingtonb	KSJ KSK	Security
KQM	Merrimackb	KSL	Caddo
KQN	Nantucketb	KSM	Philadelphia
KQO KQP	Parthianb	KSN	New York
KQQ	Quanticob	KSO	St. Paul.
KQŘ	Grecian	KSP	Caloria
KQS	Somersetb	11.01	Carona
KQT	Tuscanb	KSQ	
4.	1 43542	KSR	Bayway
KQU		KSS	South San Francisco, Cal
		KST	Princeton
KQV		KSU	Somerset
KQW		KSV	
KQX KQY	Persianb	KSW	
KQZ	Powhatanb	Kow	
KŘA	Francis Hanifyb	KSX	
KRB	Governor Cobbb	11011	
KRC	Camden b	KSY	
KRD	Belfastb		
KRE	Bay Stateb	KSZ	
KRF	Ransom B. Fullerb	KTA	Larimer
		KTB	Gulfstream
KRG		KTC	Shenango
KRH	City of Bangorb City of Rocklandb	KTD	Ligonier
KRI	City of Rocklandb	KTE	Winifred
KRJ	Reliefb	KTF	J. M. Guffey
KRK	Gargoyleb	KTG	Gulfoil
KRL		KTH KTI	Illinois Brilliant
		KTJ	Comet
KRM		KTK	John D. Archbold
KRN	Calvin Austinb	KTL	Rayo
KRO	Columbiab	KTM	Eocene
KRP	Rescueb	KTN	Perfection
TD C		KTO	John D. Rockefeller
KRQ	Will	KTP	S. O. Co. No. 94
KRR	Millsb	KTQ	City of Everett
V DC		KTR	Radiant
KRS KRT	San Franciscob	KTS	Vesta
LIA	Dan Francisco	KTT KTU	Paraguay
KRU		KTV	Toledo
KRV	Governor Dingleyb	KTW	Delaware Sun
KRW	Roche Harbor, Washc	KTX	Socony

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

Call signal.	Station.	Call signal.	Station.
KTY KTZ	S. O. Co. No. 92b Brindillab	KVM	Mohawk
KUA	Gulflightb	KVN	
KUB		KVO	
KUC		KVP	
KUD KUE	Gulfcoastb	KVQ KVR KVS	Sarnia
KUF		KVT	
KUG		KVU	Elmer A. Keelerl
KUII		KVV KVW	South American
KUI		KVX	
KUJ KUK	· · · · · · · · · · · · · · · · · · ·	KVY KVZ KWA	Relay.
KUL	Louisianab		Buenaventural
KUM KUN KUO	Alabamab Northwesternb	KWB KWC KWD KWE	Morro Castle
KUP			
KUQ KUR KUS KUT	Texasb Floridab Pan Americanb	KWF KWG KWH KWI	Seguranca Havana Camaguey
KUU	Brabantb	KWJ KWK	W. B. Keenel
KUV		KWL	
KUW		KWM KWN	Guantanamo
KUX		KWO	
KUY		KWP	
KUZ KVA	Apacheb	KWQ	
KVB KVC	Arapahoeb Comancheb	KWR	
KVD		KWS	Saratoga
KVE KVF	Iroquoisb	KWT KWU	Teller, Alaska
KVG KVH	Algonquinb Huronb	KWV	Vigilancia
KVI		KWW KWX	Mexico.
KVJ KVK KVL	Cherokeeb Lenapeb	KWY KWZ KXA KXB	Monterey

Call signal.	Station.	Call signal.	Station.
KXC KXD	Commonwealthb Maineb	KYZ KZA	North Starb Albertab
KXE KXF	Mohawkb New Hampshireb	KZB	
KXG KXH KXI KXJ	Plymouthb Priscillab Providenceb	KZC KZD KZE	Emelineb Nemob
KXK KXL KXM KXN	City of Tauntonb Moheganb	KZF KZG KZH	Owerab Sultanab
KXO	New Havenb	KZI	
KXP KXQ	Pequonnockb Chester W. Chapinb	KZJ	
KXŘ	Richard Peckb	KZK	
KXS		KZL	
KXT		KZM	
KXU		KZN	Roamerb
KXV		KZO.	
KXW		KZP	
KXX		KZQ KZR	Remlikb
KXY		KZS KZT	Santantab Tarantulab
KXZ KYA KYB	Atalantab North Windb	KZU	
KYC KYD	Corsairb Cyprusb	KZV	
KYE KYF	Cassandrab Florenceb	KZW	
KYG KYH	Wild Duckb	KZX	
KYI KYJ	Wakivab Sayonarab	KZY	
KYK KYL	Kismetb	KZZ	
KYM KYN	Columbiab   Niagarab	NAA	Arlington, Radio, Vac
KYO KYP	Nomab Oneidab	NAB NAC	Portland, Mec Portsmouth, N. Hc
KYQ	Californiab	NAD	Boston, Massc
KYŘ	Karinab	NAE NAF	Cape Cod, Massc Newport, R. Ic
KYS KYT	Vanadisb	NAG NAH	Fire Island, Long Island, N.Y.c New York (Brooklyn), N.Yc
ĸŸŪ	Mohawkb	NAI	Philadelphia, Pa
KYV	Wandaman	NAJ	Amanalia Md
KYW KYX	Wayfarerb Wanab	NAK NAL	Annapolis, Md
KYY		NAM NAN	Norfolk, Va

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

Call signal.	Station.	Call signal.	Station.
NAO	Charleston, S. Cc	NCB	
NAP	St. Augustine, Flac	NCC	New York
IAQ		NCD	Texas
	Jupiter, Flac	MUD	Texas
IAR	Key West, Fla	MATE	10.00
IAS	Pensacola, Flac	NCE	
TAL	New Orleans, Lac	NCF	Bailey
NAU	San Juan, P. R	<b>37</b> (10	
IAV	Port Royal, S. C C	NCG	
WAV	Guantanamo Bay, Cubac	NCH	Baltimore
NAX	Colon, Panama	NCI	
YAY		NCJ	
NAZ			
NBA	Darien, Panamac	NCK	
NBB		NCL	Beale
ADD		NCM	
<b>VBC</b>	the second contract of the second second	NCN	Birmingham
NBD	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	NCO	
NBE		NCP	
NBF		NCQ	
NBG		NCR	
IBH	Ajaxb		2 - 27 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -
NBI	Alabamab	NCS	
İBJ	Albanyb		
•		NCT	
NBK		NCU	Buffalo
IBL	Alertb	NCV	Burrows
NBM		NCW	
NBN		NCX	
		NCY	Caesar
NBO		NCZ	California
		NDA	Castine
NBP	Ammenb	NDB	Celtic
1BQ		NDC	
NBR	Annapolisb	NDD	
IBS		NDE	
NBT		NDE	
NBU	Arethusa b	NDF	
IBV	Arkansasb	NDG	Chester
,		NDH	Cheyenne
IBW		NDI	Chicago
		NDJ	
IBX		NDK	
NBX	17	41221	1
NBX NBY		NDI.	Cincinnati
		NDL	Cincinnati
		NDL NDM NDN	Cleveland

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

Call signal.	Station.	Call signal.	Station.
NDP NDQ	Connecticutb	NEY	
NDR		NEZ NFA NFB	Brooklynb Milwaukeeb
NDS		NFC NFD	Elcanob
NDT NDU	Culgoab	NFE NFF	Charlestonb
NDV		NFG	
NDW		NFH	
NDX NDY	Cyclopsb	NFI	
NDZ		NFJ	
NEA		NFK	
NEB		NFL NFM	Fanningb
NEC		NFN	
NED		NFO	
NEE		NFP	
NEF NEG		NFQ NFR NFS	Florida b Flusser b
NEH		NFT	
NEI		NFU	Rangerb
NEJ	•	NFV	
NEK	Delawareb	NFW	
NEL	Domware	NFX	
NEM NEN	Denverb Des Moinesb	NFY	
NEO NEP NEQ	Dixieb Dolphinb	NFZ NGA NGB	Columbia b Minneapolis b
NER	Doiphin	NGC NGD	Galvestonb
NES NET NEU	Draytonb Dubuqueb	NGE NGF NGG	Georgiab
NEV		NGH NGI	Glacierb Chattanoogab
NEW		NGJ NGK	Goldsboroughb Marbleheadb
NEX		NGL	

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

Call signal.	Station.	Call signal.	Station.
NAO	Charlester S. C.	NCB	
	Charleston, S. Cc		
NAP	St. Augustine, Flac	NCC	New Yorkt
NAQ	Jupiter, Fla	NCD	Texasl
NAR	Key West, Fla		
NAS	Pensacola, Flac	NCE	1
NAT	New Orleans, Lac	NCF	Bailey
	Can Tuen D D	1111	Dancy
UAU	San Juan, P. R c	MAG	1
VAV	Port Royal, S. Cc	NCG	
NAW	Guantanamo Bay, Cubac	NCH	Baltimoreb
XAV	Colon, Panamac	MAT	
IAY		NCI	
AZ		NCJ	
	D.:	Mor	
IBA	Darien, Panamac	NCK	
ВВ		NCL	Bealeb
DD		MONE	The second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of th
.n.c		NCM	
BC		NCN	Birminghamb
BD		NCO	
BE		NCP	
BF		NCQ	
20		NCR	
3G 3H	Aiaxb	NOR	
		Mag	
BI	Alabamab	NCS	
BJ	Albanyb		
		NCT	
BK		NCU	Buffalob
BL	Alertb	NCV	Burrowsb
3M		NCW	
BN		NCX	
		NCY	Caesarb
BO	201101111111111111111111111111111111111	NCZ	Californiab
ьо			
n n		NDA	Castineb
BP	Ammenb	NDB	Celticb
BQ		NDC	
BR	Annapolisb		
		NDD	
BS		NDE	
ъπ		NDE	
BT		MDD	
IBU	Arethusa b	NDF	
IBV	Arkansasb	NDG	Chesterb
		NDH	Cheyenneb
BW		NDI	Chicagob
		NDJ	
$\mathbf{BX}$		NDK	
			Cincinnatib
BX BY		NDL	
		NDL	Cleveland
		NDM NDN	Cleveland b Colorado b

Call signal.	Station.	Call signal.	Station.
NDP NDQ	Connecticutb	NEY	
NDQ	Connecticut	NEZ NFA	Brooklynb
		NFB NFC	Milwaukeeb
NDS		NFD NFE	Elcano
NDT NDU	Culgoab	NFF	
NDV		NFG	
NDW		NFH	
NDX NDY	Cyclopsb	NFI	
NDZ	Сусторы	NFJ	
NEA		NFK	
NEB		NFL NFM	Fanning
NEC		NFN	
NED		NFO	
NEE		NFP	
NEF		NFQ NFR	Floridab
NEG		NFS	Flusserb
NEH		NFT NFU	Rangerb
NEI		NFV	
NEJ		NFW	•
NEK	Delawareb	NFX	
NEL NEM NEN	Denverb Des Moines.b	NFY	
NEO NEP	Dixie	NFZ NGA NGB	Columbiab Minneapolisb
NEQ NER	Dolphinb	NGC NGD	Galvestonb
NES NET NEU	Draytonb Dubuqueb	NGE NGF	Georgiab
NEV	Dubuque	NGG NGH NGI	Glacier
NEW		NGJ NGK	Goldsboroughb Marbleheadb
NEX		NGL	Mai Dieneau

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

Call signal.	Station.	Call signal.	Station.
NGM		NHZ	
NGN		NIA NIB	Bainbridge Jarvis
NGO		NIC	T all
NGP		NID NIE	JenkinsJouett
NGQ		NIF	
NGR		NIG NIH	Aylwin
NGS NGT		NII NIJ	Balch Benham
NGU	Hannibalb	NIK NIL	Casein
NGV		NIM	Cummings
NGW		NIN NIO	Downes
NGX NGY	Hectorb Helenab	NIP NIQ	Kearsarge
NGZ		NIR	Duncan
NHA	Henleyb	NIS NIT	McDougal
NHB NHC	Hopkinsb	NIU NIV	Nicholson
NHD NHE	Monadnockb Hullb	NIW NIX	LamsonParker
NHF		NIY NIZ	Lawrence. Lebanon.
NHG NHH	Amphitriteb	NJA NJB	WinslowLouisiana
NHI	Hancockb	NJC	Decatur
NHJ		NJD	
NHK		NJE -	·
NHL		NJF	
NHM		NJG NJH	Macdonough
NHN NHO	Illinoisb	NJI	
NHP		NJJ	
NHQ	Indianab	NJK	
NHR		NJL	Maine
NHS NHT	Iowab	NJM	
NHU NHV	Irisb Iroquoisb	NJN	
NHW		NJO	
NHX		NJP NJQ	Marietta
NHY	1	NJŘ NJS	MarsMaryland

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

Call signal.	Station.	Call signal.	Station.
NJT NJU NJV	Massachusettsb Mayrantb Mayflowerb	NLI NLJ	Explorer
NJW	McCallb	NLK NLL NLM	Bache
NJX		NLN	OJP-03
NJY NJZ	Michigan b	NLO	
NKA NKB		NLP	
NKC		NLQ	
NKD	Minnesotab	NLR	
NKE NKF	Missourib	NLS	
NKG		NLT	
NKH		NLU NLV	
NKI		NLW	
N KJ		NLX	
N KK N KL	Monaghanb	NLY	
N KM N KN N KO	Montana b Monterey b Montgomery b	NLZ NMA NMB	Nebraskal
NKP		NMC	Vestal
NKQ		NMD NME	New Hampshire
NKR NKS		NMF NMG NMH	New Jersey New Orleans Newport
NKT		NMI	
NKU		NMJ	
NKV		NMK	
NKW		NML	
NKX NKY NKZ NLA	Nashvilleb Navajob Nantucket Shoals Lightshipc	NMM NMN NMO	North Carolina North Dakota
NLB NLC NLD	Diamond Shoals Lightshipc Frying Pan Shoals Lightshipc Relief Lightship 66 or 85b	NMP	
NLE NLF	Relief Lightship 71 or 72b Kukuib Relief Lightship 94 or 53b	NMQ	
NLG NLH	Relief Lightship 94 or 53b Pattersonb	NMR NMS	Neptune

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

Call signal.	Station.	Call signal.	Station.
NMT		NOF	
NMU		NOG	Paducah
		NOH	
NMV NMW	Ohiob	NOI	
TATET AA	Omo	NOJ	Panther
XMN		NOK NOL	Patterson
NMY		NOM	Patuxent
NMZ	Oregonb	NON	Paulding
NNA	Brutusb	NOO	
NNB	Jasonb	NOP	Paul Jones
NNC	Jupiterb		
NND		NOQ	
NNE		NOR	,
NNF	Nereusb	NOS	
NNG NNH	Proteusb	NOT	Pittsburgh
NNI		NOU	
NNJ	Justinb		
NNK	Nanshan b	NOV NOW	Peoria
		NOX	Perkins.
NNL		NOY	Perry
MNM	Saturnb	NOZ NPA	PetrelCordova, Alaska
		NPB	Sitka, Alaska
NNN		NPC	Puget Sound, Wash
NNO		NPD	Tatoosh, Wash
		NPE NPF	North Head, Wash Cape Blanco, Oreg
NNP		NPG	Yerba Buena, Cal
NNQ		NPH	Mare Island, Cal
•		NPI NPJ	Farallons, Cal
NNR		NPK	Point Arguello, Cal
NNS		NPL	San Diego, Cal
1110		NPM NPN	Honolulu, Hawaii
NNT		NPO	Cavita P I
NNU		NPP	Peking, China
NNU		NPQ	St. Paul, Pribilof Islds., Alask
NNV		NPR NPS	Dutch Harbor, Alaska Kodiak, Alaska
NNW		NPT	Olongapo, P. I
		NPU NPW	Tutuila, Samoa Eureka, Cal
NNX			Luiona, Cai
NNY		NPX NPY	St. George, Pribilof Isld
NNZ			Alaska
NOA	Osceolab	NPZ	
NOB	Abarendab		
NOC	Orionb	NQA	
NOD		NQB	
NOE		NQC	

Call signal.	Station.	Call signal.	Station.
NQD		NSC	
NQE NQF	Pompeyb	NSD	
NQG		NSE	
NQH		NSF	
NQI NQJ	Isla de Luzonb	NSG	
NQK	Potomacb	NSH	
NQL NQM	Machiasb Prairieb	NSI	
NQN NQO	Preble	NSJ	
NQP	Princetonb	NSK	Yanktonb
$f NQQ \ NQR$	Monocacy b     Prometheus b	NSL	Gloucesterb
NOS NOT	Palosb	NSM	
NQU	- umpungu	NSN	
NQV	Sacramentob	NSO	
NQW		NSP	
NQX NQY	Yorktownb Albatrossb	NSQ NSR	Smithb Strangerb
NQZ		NSS NST	Solace
NŘA NRB	Algonquinb Bearb	161	Solace
NRC	Morrillb	NSU	Vixenb
NRD NRE	Androscogginb	NSV NSW	Waspb
NRF	Snohomishb	NSX ·	South Dakotab
NRG	Gresham	NSY	
NRH NRI	Itascab	Noi	
NRJ	Ossipeeb	NSZ	
NRK		NTA NTB	Ontariob
NRL	Tuscarorab	NTC	Stewartb
NRM	Mohawkb	NTD	Rainbowb
NRN NRO	Manning	NTE NTF	Raleighb
NRP	Apacheb	NTG	Sonomab
NRQ	Miamib		
NRR	Pamlicob	NTH	
NRS NRT	Thetis	NTI	
NRU	Acushnet		
NRV	Tallapoosab	NTJ	Cumple:
NRW NRX	Windomb	NTK NTL	Supplyb
NRY	Yamacrawb	'''	~J.P
NRZ	New London, Connc	NTM NTN	
NSA		NTO	
NSB	l	NTP	Salemb

Call signal.	Station.	Call signal.	Station.
NTQ NTR	San Franciscob	NVC	
	Saratogab	NVD	
NTS NTT NTU	Scorpionb Reidb	NVE NVF	Utahb Uncasb
NTV		NVG	
NTW NTX	Rhode Islandb	NVH	
NTY NTZ	Roeb	NVI NVJ NVK	Vermont b
NUA NUB	Tacomab	NVL	vermontb
NUC NUD	Tallahasseeb	NVM NVN	Vesuviusb Vicksburgb
NUE		NVO NVP	Villalobosb
NUF NUG	Tennesseeb	NVQ NVR	Virginia b
NUH NUI	Terryb	NVS NVT	Farragutb Vulcanb
NUJ		NVU	
NUK		NVV	
NUL		NVW	
NUM NUN	Tonapahb	NVX	
NUO		NVY NVZ	
NUP NUQ	Trippeb	NWA	
NUR NUS	Truxtonb	NWB	
NUT	1 ruxton	NWC	
NUU		NWD NWE	Warringtonb Washingtonb
NUV		NWF	West Virginia b
NUW NUX	Sotoyomob	NWG NWH NWI	West Virginia b Wheeling b Whipple b
NUY NUZ		NWJ NWK	Wilmingtonb
NVA		NWL NWM	Walkeb Wisconsinb
NVB		NWN	

Call signal.	Station.	Call signal.	Station.
NWO NWP NWQ	Worden. b Wyoming b	NXW NXX NXY NXZ	F-3. b F-4 b G-1 b
NWR		NYA	Ğ-3b
NWS		NYB NYC	G-4b H-1b
NWT		NYD NYE	H-2b H-3b
NWU		NYF NYG	K-1b K-2b
NWV		NYH NYI	K-3b   K-4b
NWW		NYJ NYK	K-5b   K-6b
NWX		NYL NYM	K-7b K-8b
NWY		NYN	
NWZ		NYO	
NXA		NYP	
NXB		NYQ	
NXC		NYR	
NXD		NYS	
NXE		NYT	
NXF		NYU	
NXG		NYV	
NXH		NYW	
NXI		NYX	
NXJ		NYY	
NXK		NYZ	
NXL		NZA	
NXM		NZB	
NXN		NZC	
NXO		NZD	
NXP		NZE	
NXQ		NZF NZG	
NXR		NZH	
NX8 NXT	E-1b E-2b	NZI	
NXU NXV	$\left  egin{array}{ccccc} \mathbf{F-1} & & & \mathbf{b} \\ \mathbf{F-2} & & & \mathbf{b} \end{array} \right $	NZJ	<b></b>

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

Call signal.	Station.	Call signal.	Station.
NZK		WAX	
11211		WAY	Admiral Dewey
NZL		WAZ	Admiral Schleyl
		WBA	Santa Claral
NZM		WBB	Santa Cecilia
37737		WBC	Santa Catalina
NZN		WBD WBE	Santa Cruz
NZO		WBF	CaciqueBoston, Mass
NZP		WBG	
NZQ		WBH	
MZQ		WBI	D., L. & W. R. R. limited
NZR			train
NZS		WBJ	
NZT		WBK WBL	Breakwater
		WBM	Redondo
NZU		WDM	A TOUR LINE - THE LINE IS
NZV		WBN WBO	Nann Smith
NZW		WBP	Hermosa.
		WBQ	
NZX NZY	Washington, D. Cc	WBR	
1121	Washington, D. O	WBS	Baltimore, Md
NZZ		WBT	Ringhamton N Y
WAA	Alamedab	WBU	Binghamton, N. Y Hoboken, N. J
WAB	Admiral Evansb	WBV	Cabrillo
WAC	Chicagob	WBW	Burrwood, La
WAD	Victoriab	WBX	Dover, N. J
WAE WAF	Edithb Admiral Farragutb		
WAF	Admirai Farragut	WBY	
WAG		WBZ	
WAH	Dorab	WCA	Tionesta
WAI	Latoucheb	WCB	Juniata
WAJ	Jeffersonb	WCC	South Wellfleet, Mass
WAK		WCD	Octorara
WAL	Santa Anab		
·· ·· ·	Cana Italia	WCE	
WAM		WCF	Favorite
WAN	Northwesternb	WCG	Brooklyn, N. Y.
WAO		WCH WCI	Boston, Mass Newport, R. I
		wcj	
WAP			
WAQ WAR	Cordova	WCK	
WAR	CordovaD	WCL	
WAS		WCM	Calumet, Mich
WAT		WCN	North Land
WAU	Dolphinb	wco	
WAV	Sewardb		
WAW	Admiral Watsonb	WCP	1

Call	Station.	Call	Station.
signal.		signal.	
WCQ		WEN	North Americanb
WCŘ	The Harvesterb	WEO	South Americanb
WCS		WEP	
WCT		WEQ	
WCU		WER	
WCV WCW	Nokomisb	WES	
$\mathbf{WCX}$	Cleveland, Ohio	WET	
WCY WCZ	Illinoisb		
WDA	Pere Marquetteb	WEU	
WDB	Pere Marquette 19b	WEV	
$\mathbf{W}\mathbf{D}\mathbf{C}$	Pere Marquette 17b	WEW	Marquette & Bessemer No. 1. b
WDD	Pere Marquette 18b	WEX	Marquette & Bessemer No. 2. b
WDE	Pere Marquette 20b	WEY	Alvinab
WDF		WEZ	Ashtabulab
WDG		WFA	Georgiab
		WFB	Alabamab
WDH	.,,,,	WFC	Indianab
WDI	City of South Havenb	, , , , , , , , , , , , , , , , , , ,	
WDJ		WFD WFE	Carolina
WDK		WIL	Oalonna
WDL	Lakelandb	WFF	Linear Control Control Control
WDM	Duluth, Minnc	WFG	Arizonab
WDN	Ann Arbor No. 3b	WFH	Virginiab
WDO	Ann Arbor No. 4b	WFI	Chicagob
$\mathbf{W}\mathbf{D}\mathbf{P}$	Ann Arbor No. 5b	WFJ	Christopher Columbusb
		WFK	Frankfort, Michc
WDQ			
WDR	Detroit, Mich	WFL	T
WDS	City of Grand Rapidsb	WFM	Fort Morgan, Alac
WDT WDU	City of St. Josephb	WFN	Eastlandb
WDV	Puritan b   City of Benton Harbor	WFO	
WDW	Hollandb	WFP	City of Erieb
11211	Tonaid	WFQ	City of Buffalob
WDX		WFR	State of Ohiob
WDY	Lydoniab	WFS	Seeandbeeb
	,		
$\mathbf{W}\mathbf{D}\mathbf{Z}$		WFT	
WEA	City of Cleveland IIIb		1
WEB	City of Mackinac IIb	WFU	
WEC	City of Detroit IIb		I delle a commence a commence and
WED	Western Statesb	WFV	
WEE	Eastern Statesb	WFW	Manitoub
WEF	City of Detroit IIIb	WFX	Missourib Sialiab
WEG WEH	City of St. Ignaceb	WFY	Siana
W 1511	Oity of Aipena 11	WFZ	
WEI		WGA	City of Seattleb
WEJ		WGB	
WEK	Minnesotab	""	
WEL	Millinesous	WGC	
WEL		WGD	
WEM	l	WGE	Spokaneb

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

Call signal.	Station.	Call signal.	Station.	
WGF		WIA		
WGG	Tuckerton, N. Jc			
WĞĦ	Grand Haven, Michc	WIB		
WGI		WIC		
WGJ		WID WIE	Charles E. Harwood	
WGK		WIF	Herbert G. Wylie	
	Control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the contro	WIH	C. A. Canfield	
WGL		WII	Belmar, N. J	
WGM		WIJ WIK	Olson & Mahony	
WON		WIL	Jim Butler	
WGN				
WGO	Chicago, Ill	WIM	Northern Pacific	
WGP	Presidentb	WIN	Colusa	
$\mathbf{WGQ}$	City of Pueblab			
WGŘ	Governorb	WIO		
WGS	Senatorb		1	
WĞŤ	Congressb	WIP	<b></b>	
WĞŪ	Umatillab			
WGV	Galveston, Tex	WIQ	1	
WGV	Garveson, rea	WIŘ	Great Northern	
TTO TT				
WGW		WIS	E. R. Sterling	
WGX	Queenb		the place of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the cont	
WGY	City of Topekab	WIT		
WGZ	Guardianb	WIU	Restorer	
WHA	Cape Hatteras (Buxton), N. C. c		1	
WHB	Cape Hatteras (Buxton), N. C.c New York, N. Yc	WIV		
WHC	Columbiab			
		WIW	- <u>-</u>	
WHD		WIX	St. Petersburg, Fla	
WHE	Philadelphia, Pac		1	
		WIY		
WHF		WIZ	Benton Harbor, Mich	
WHG	W. B. Flintb		14.5	
WHH	St. Francesb	WJA	<b></b>	
WHI	St. Francesb New York, N. Yc			
ЖĦĴ	Sierrab	WJB		
WHK	New Orleans, Lac	1,02		
		WJC	L	
WHL WHM	Venturab Sonomab	WJC		
WITH M		WJD		
WHN		WJE	t	
WHO	Colonb	MIE		
WHP WHQ	Mariposab  Mackinac Island, Michc	WJF		
	August 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990 and 1990			
WHR		WJG		
WHS	Adeline Smithb			
WHT	Whittierb	WJH	<b></b>	
WHU	Balboab	WJI		
<b>VHV</b>				
****		WJJ		
WHW WHX	Humboldtb	WJK	<u></u>	
WHY		WJL	••••••	
WHZ	I	WJM	<b></b>	

Call signal.	Station.	Call signal.	Station.
WJN		WLH	
WJO		WLJ	Iaquab
WJP			
WJQ		WLK	
WJR		WLL WLM	Huntington Harbor, North-
WJS		WLN WLO	port, N. Y
WJT		WLP	Huii, Mass
MIU		WLQ	
WJV	Hobokan N I	WLR	
WJX WJW	Hoboken, N. Jc Jackson ville, Flac	WLS	
WJY		WLT	* 1
WJZ WKA	Alaskanb	WLU	
WKB WKC	Arizonan b Californian b	WLV	
WKD WKE	Dakotan b Kentuckian b	WLW	
WKF WKG	American b Georgian b	WLX	
WKH WKI	Honolulan b	WLY	
WKJ WKK	Iowanb Kansanb	WLZ	
WKL WKM	Mexicanb	WMA WMB	Multnomahb Mobile, Alac
WKN WKO	Montananb Oregonianb	WMC	Mobile, Alac William Chathamb
WKP WKQ	Pennsylvanianb	WMD WME	Milwaukee, Wisc
WKŘ WKS	Panaman b Columbian b	WMF WMG	Celilob Wapamab
WKT WKU	Texanb Hawaiianb	WMH	
WKV	Virginianb	WMI	Minnesotab
WKW WKX	Missourianb	WMJ WMK	Hyadesb
WKY WKZ	Nebraskanb Nevadanb	WML WMM	Lurlineb Hilonianb
WLA		WMN WMO	Enterprise b Wilhelmina b
WLB	New London Conn	WMP WMQ	Matsoniab
WLC WLD	New London, Connc Ludington, Michc	WMR	
WLE		WMS	
WLF WLG	Richard b	WMT WMU	

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

Call signal.	Station.	Call signal.	Station.
WMV		WON	
WMW	Manitowoc, Wisc		200000000000000000000000000000000000000
WMX	Manistique, Michc	WOO	. 50471333333355555333773455
WMY	Yucatanb		
*** *** **	1 desirant	WOP	
WMZ		W.O.O.	
WNA		WOQ WOR	Californiab
WNB		wos	
WNC		WOT	Coalingab
	Carlosb		One
WND	Windberb	wou	Oregonb
WNE	Nushagakb	wov	Venetiab
WNF	Hattie Luckenbachb	wow	
WNG		wow	
WNH	Lewis Luckenbachb	wox	
			1,111,111,111,111,111,111,111,111,111
WNI		WOY	
WNJ	Navajob		
WNK	Al-Kib	$\mathbf{WOZ}$	
WNL	Diamond Headb		
WNM	Florence Luckenbachb	WPA	Santa Cruzb
WNN	Corwinb	TUDD	
WNO	Pavlofb	WPB	
WNP	Pleiadesb	WPC	
M II I	Fielades	WIC	m
WNQ		WPD WPE	Tampa, Fla
TIVATE.		T/DE	
WNR		WPF	
WNS	Kvichakb	WPG	Goliahb
WNT	New York, N. Yc New Orleans, Lac	WPH	S. M. Fischerb
WNU	New Orleans, La	WPI	
WNV	Portlandb	WLI	
WNW	San Ramonb	****	
WNX	Northlandb	WPJ	
WNY	St. Helensb	WPK	
			220404044404404040404040404040404040404
WNZ WOA	Despatchb	WPL	
N UA	Бевракен	WPM	
WOB			The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s
7700		WPN	
WOC		WPO	
WOD		WIO	
02		WPP	
WOE		WPQ	Zaporab
02		WPŘ	Ensenada, P. R
WOF		WPS	Starrb
WOI		WPT	Tilicumb
WOG			
WOH	Expansionb	WPU	
WOI	Akron, Ohio	WIC	
		WPV	
WOJ			
	Detroit, Michc	WPW	
WOK			
wok	2 000000,	WPX	Oneonta
		WPX WPY	Oneontab Wallulab
WOK WOL		WPX WPY	Oneontab

· Call signal.	Station.	Call signal.	Station.
WQA		WRN	
WQB		WRO	Isle Royal, Mich
WQC	Caminob	WRP,	
WQD WQE		WRQ WRR	Roanokeb
- 1	***************************************	WRS	Santa Clarab
WQF		WRT	Geo. W. Elderb Port Arthur, Tex
WQG		WRV	Allianceb
WQH WQI	Costa Ricab	WRW WRX	F. A. Kilburnb
	and the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	WRY	Yaleb
WQJ WQK		WRZ WSA	Ashtabula, Ohioc
			nisitabula, Onio
WQL		WSB WSC	Siasconset, Massc
WQM		WSD WSE	Stanley Dollar
WQN		WSF	Grace Dollarb
WQO WQP	Canton, Ohioc	WSG WSH	Norwoodb
WQQ		WSI WSJ	Sault Ste. Marie, Michc John A. Hooperb
WQR		WSK WSL	Sagaponack, N. Yc Sayville, Long Island, N. Y
wos	Speedwellb		
WQT		WSM WSN WSO	Centralia b Coronado b
WQU WQV	Mt. Vernon, Ohioc	WSP	
WQW		WSQ WSR	Dance L
WQX		WSS	Reuceb St. Nicholasb
WQY	Yosemiteb	WST WSU	Miami, Fla
WQZ		WSV	Savannah, Ga
WRA WRB	Henry T. Scottb Berlinb	WSW WSX	Willametteb
WRC	J. B. Stetsonb	WSY	Virginia Beach, Va
WRD WRE	J. A. Moffettb	WSZ WTA	Erskine M. Phelpsb
WRF		WTB WTC	Argyllb Lansingb
WRG	Passagrilla, Flac	WTD	Oleumb
WRH	Harvardb	WTE	Romab
WRI WRJ	Paraisob	WTF WTG	Santa Mariab
WRK	Monitor	WTH	Washtenawb
WRL	Mukilteo b	WTI	
WRM	Mukiloo	WTJ WTK	J. A. Chanslorb

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

Call signal.	Station.	Call signal.	Station.
WTL	Lyman Stewartb	wvs	Jolo, P. I
WTM	W. S. Porterb	WVT	Malabang, P. I
WTN	Wm. F. Herrinb	WVU	Manila, P. I
WTO	Frank H. Buckb	wvv	Puerto Princesa, P. I
WTP	Scranton, Pac	WVW	Zamboanga, P. I
$\mathbf{W}\mathbf{T}\mathbf{Q}$	El Segundob	WVX	Cuyo, P. I
WTR	Richmondb	WVY	San Jose, P. I
WTS	Col. E. L. Drakeb	WW	
WTT	Atlasb	WVZ WWA	China
WTU	S. O. Co. No. 91b	WWB	Beaver
WTV	Captain A. F. Lucasb	WWD	Deaver
WTW	Maverickb Asuncionb	wwc	1
WTX WTY	8. O. Co. No. 93b	wwD	Bear
WTZ	8. O. Co. No. 95 b	WWE	Manchuria
WUA	Fort Andrews, Mass	WWF	City of Para
WUB	Fort Hancock, N. J	WWG	City of Sydney
WUC	Fort H. G. Wright, N. Yc	wwii	Newport
WUD	Fort Leavenworth, Kansc	wwi	Pennsylvania
WUE	Fort Levett, Mec	WWJ	Peru
WUF	Fort Monroe, Va	wwk	Korea
WUG	Fort Monroe, Vac	WWL	San Jose
		WWM	San Juan
WUH	n i nila Via	WWN	Mongolia
WUI	Fort Riley, Kansc		
WUJ	Fort Sam Houston, Texc	wwo	
WUK	Fort Stevens, Oreg		
WUL	Fort Totten, N. Y	WWP	
WUM	Fort Wood, N. Yc Fort Worden, Washc	wwQ	Aztecl
WUN WUO	Fort Winfield Scott, Calc	WWR	Rose City
WUP	Washington, D. C		1
WUQ	Washington, D. C	wws	
WUR	Fort Morgan, Alac	117177	
WUS	Fort Rosecrans, Calc	WWT	Siberia
		wwu	Siberia
WUT	Post Adams P I	wwv	
WUV	Fort Adams, R. I	,,,,,,	
wuw	Fort Terry, N. Y	www	
wŭx	Fort Crockett, Tex		
WUY	Fort San Jacinto, Tex	wwx	
WŬŹ	Brownsville, Texc		
WVA	Circle City, Alaskac	WWY	
WVB	Fairbanks, Alaskac		
WVC	Fort Egbert, Alaskac	wwz	
WVD	Fort Gibbon, Alaskac	WXA	Buford
WVE	Fort St. Michael, Alaskac	WXB	Crook
WVF	Kotlik, Alaskac	WXC	Dix
WVG	Nome, Alaskac	WXD	Kilpatrickl
WVH	Nulato, Alaskac	WXE	Liscum
WVI	Petersburg, Alaskac	WXF	Logan
WVJ	Wrangell, Alaskac	WXG	Meade
	Water and the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same	WXH	McClellan
WVK		WXI	Merritt
WVL	Fort Frank, P. Ic	WXJ	Sheridan
WVM	Fort Hughes, P. Ic	WXK	Sherman
WVN	Fort Mills, P. Ic	WXL	Sumner
WVO	Davao, P. I	WXM	Thomash
WVP	Fort Drum, P. Ic	WXN	Warren
wvo	Fort Wm. McKinley, P. Ic		1

Call signal.	Station.	Call signal.	Station.
WXP		WYY	General Richard Arnoldb
WXQ	1	WYZ	Captain T. M. Morrisonb
WXR	Burnsideb	WZA	Fort Screven, Gac
11 2210	Durinside	WZB WZC	Fort Howard, Mdc
WXS	<b> </b>	WZC WZD	Fort Whitman, Washc
WXT	Joseph Henryb	WZD	Fort Barrancas, Flac
WXU	Joseph Henryb Navesinkb	WZE	
WXV		WZF	
wxw	l	WZG	Fort De Russey, Hawaiic
11 22 11		WZH	Fort Shafter, Hawaiic
WXX		WZII	Fort Sharter, Hawan
WXY		WZI	
WXZ		WZI	
WYA	General Royal T. Frankb		
WYB	General S. N. Millsb	WZK	
WYC	Major Samuel Ringgoldb		
WYD	General Henry T. Huntb	WZL	
WYE	General Henry Knoxb		
WYF	General E. O. C. Ordb	WZM	
WYG	Colonel Geo. Armistead b	TION	
WYH	General Robert Anderson b	WZN	
WYI	Captain Chas. W. Rowellb	WZO	
WYJ WYK	General Harvey Brownb	WZO	
WYL	General R. B. Ayresb	WZP	
WYM	Captain James Fornanceb	WZQ	General Timothy Pickeringb
WYN	Renob	WZŘ	General Nathanael Greeneb
WYO	Major Evan Thomasb	WZS	Henry Wilsonb
WŶP	Captain Barrettb	WZT	General George H. Weeksb
WYQ	Major Albert G. Forseb	WZU	Sprigg Carrolfb
WYR	Lieutenant Geo. M. Harrisb	WZV	General J. M. Brannanb
WYS	General G. W. Gettyb	WZW	General R. N. Batchelderb
WYT	Captain A. M. Wetherillb	WZX	
WYU	General Robt. Swartoutb	*****	
WYV	General S. B. Holabirdb	WZY	
WYW	General R. H. Jacksonb	wzz	
WYX	Lieutenant A. H. Cushingb	WZZ	

## 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.	Serv- ice.	Hours of operation.	Station controlled by—
Agricultural College, N. Dak.	9YG	300, 480, 600*	P	х	N. Dak. Agr. College.
Alameda, Cal	6XS	300, 600*	P	X	Hugh R. Sprado.
Aldene, N. J	2XL	300, 600, 1800	P	X X	Marconi Co.
Aldene, N. J	7XU	300, 600, 4000*	P	X	Universal High Power Telph. Co.
Ames, Iowa	9YI	300*	P	x	Iowa State College of Agriculture and Mechanic Arts.
Ann Arbor, Mich	8XA	450, 600, 1800	P	x	University of Michigan.
Athens, Ohio	8YP	300, 425	P	x	Ohio University.
Atlanta, Ga	4XG	300*	P	X	Georgia School of Technology.
Auburn, N. Y	8YA	300, 440, 500, 600	P	(1)	Edward L. Colby (Colby's Telgh. School).
Beeville, Tex	5ZN	200, 450	P	X	Ed. Nettelton.
Beloit, Wis	9XB	300, 600, 900*	P	X	Beloit College.
Berkeley, Cal	6XB	200-3000*	P	X	University of Cali- fornia.
Berkeley, Cal Bethesda, Md. Sce Friendship Heights, Md.	6XR	300, 600*	P	x	Frank Rieber.
Boston, Mass	1XB	300, 600*	P	x	Wireless Specialty Apparatus Co.
Boston, Mass	1XH	300, 400, 600*	P	x	Holtzer-Cabot Elec- tric Co.
Bremerton, Wash	7XL	300, 600*	P	X	T. M. Libby.
Buffalo, N. Y	8ZB	200, 300, 425,	P	X	Nelson E. Holt.
Burlington, Iowa	9XL	200-550*	P	$\mathbf{x}$	Leslie W. Lyon.
Cambridge, Mass	iXP	300, 600*	P	X X	George W. Pierce.
Cambridge, Mass	1YII	300, 550, 600*	P	X	Harvard University.
Canal Dover, Ohio	8ZX	450, 600	P	X	Harry S. Weber.
Charleston, S. C	4YC	300, 600	P	x	"The Citadel" (S. C. Military Academy).
Chelsea, Mass	1XC	300, 600*	P	x	Wm.J. Murdock Co.
Chicago, Ill	9YH	335,600	P	Ÿ	Frank S. Jones.
Cincinnati, Ohio	8ZF	200, 300, 450,	P	X X X	Henry M. Rubel,
Cincinnati, Ohio	8ZH	200, <i>300</i>	P	x	clayton M. Howes (Hughes High School).
Columbia University. See New York, N. Y.					

¹⁹ a. m. to 9.30 a. m.; 2 p. m. to 2.30 p. m.; 7 p. m. to 7.30 p. m.

SPECIAL LAND RADIO STATIONS, ALPHABETICALLY BY NAMES OF STATIONS-CONT.

Station.	Call	Wave lengths.	Serv-	Hours of	Station controlled by—
	signal.		ice.	operation.	
Columbus, Ohio Denver, Colo	8YO 9ZA	400 450, 500, 750	P P	X X	Ohio State Univ. E. A. Smith (Signal Corps, Colo. N. G.)
Fargo, N. Dak Farmington, Conn	9YF 1ZZ	300, <i>600</i> 200,300,425,600	P P	X 8 p. m. to midnight.	Theo. L. Wanner. David Lyon Moore.
Friendship Heights, D. C.	3 <b>ZF</b>	200, 250	P	X	John V. Purssell.
Gloucester, Mass	1XI	300, 600*	P	x	John Hays Ham-
Grand Coteau, La Grand Forks, N. Dak.	5ZQ. 9XN	450 300 to 1400*	P P	X X	mond, jr. St. Charles College, University of North Dakota.
Hamilton, Ohio	8ZU	300, 600, 8000	P	x	Doron Bros. Elec- tric Co.
Hartford, Conn Hartford, Conn	1 <b>Z</b> C 1 <b>ZM</b>	200,300,425,600 200,300,425,600		7 p. m. to	Harry E. Chapman. Hiram Percy Max- im.
Hartford, Conn	1 <b>ZT</b>	200, 425	P	11 p. m. 7 p. m. to	Clarance D. Tuska.
Hyattsville, Md Illiopolis, Ill	3XR 9ZK	300, 400, 600* 200,300,450,600	P P	11 p. m. X X	J. Harris Rogers. Harry J. E. Knotts (State-Center-
Iowa City, Iowa	9YA	385	P	x	Record.) State University of
Ithaca, N. Y	8YC 8ZK 9XH 9XK 4XA 9YW	300, 425 200, 425 (*) 200, 600 300, 425	P P P P	X X X X X	Iowa. Cornell Univ. John Fleming. Harry D. Betz. Robert R. Moore. George W. Almour. Northwestern Mil.
Lake Geneva, Wis Lawrence, Kans Lexington, Mass	9YX 9XP 1ZD	300, 425 400, 550, 800* 200, 425, 600	P P P	X X X	& Naval Acad. Do. Univ. of Kansas. Samuel Winthrop
Lima, Ohio	8YL 6XL 6YL 9XM 5XC	200, 425 300, 425, 600* 2000, 2200 425 to 600*	P P P P	X X X X X	Dean. J. E. Collins. Y. M. C. A. High School. Univ. of Wisconsin. Christian Brothers
Memphis, Tenn Minneapolis, Minn Mobile, Ala Montauk, L. I., N. Y.	5ZD 9ZE 5ZM 2XE	296 200* 200, 300, 450 300, 600*	P P P	X X X X	College. C. B. De La Hunt. Philip E. Edelman. Ben W. Martin. Western Electric
Montgomery, Ala	5ZI	300, <i>600</i> , 1625, 1800	P	x	Co. Wm. H. Amerine (Signal Corps, Ala.
New Bedford, Mass New Castle, Pa New York, N. Y	1ZO 8ZN 2XH	200,300,425,600 200, 425 300, 540, 600, 800*	P P P	X X X	N. G.). Lester I. Jenkins. R. L. Patch. Walter G. Hudson.
New York, N. Y	2XN	300, 600*	P	х	Alfred N. Gold- smith (College of the City of New York).

¹ Portable station.

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

Station.	Call signal.	Wave lengths.	Serv- ice.	Hours of operation.	Station controlled by -
New York, N. Y	2XG	300,350,600, 850, 1800, 2500	P	x	Radio Telephone d Telegraph Co.
New York, N.Y	2XM	600,1845,2220, 2630	P	X	John H. Morecrof (Columbia Uni versity).
New York, N. Y	2XR	(*)	P	x	Marconi Co.
New York, N. Y	2XU	300, 600, 2000, 40000*	P	X	Peter Cooper Hew
New York, N. Y	2YS	250, 300, 600	P	X	Wm. S. Wilson.
Northampton, Mass	1ZL	200,300,425,600		X X	Dean A. Lewis.
Nutley, N. J	2ZH	200,300,450,600		. <del>X</del>	Arthur A. Hebert.
Oakland, Cal	6XC	300, 550, 600*	P	X X X X X X X X	Lewis M. Clement
Oakland, Cal	6XT	300, 600, 800*	P	Ÿ	Howard H. Tremble
Orono, Me	ìXK	280, 590, 800	P	Ŷ	Univ. of Maine.
Pacific Grove, Cal	6ZB	300, 500, 600	P	Ŷ	Howard S. Bunting
Philadelphia Pa	3XC	300, 480, 600*	P	Ŷ	Frank B.Chambers
Philadelphia, Pa Philadelphia, Pa	3XJ		P	Ŷ	St. Joseph's College
	8YI	300, 500, 600	P	÷	
Pittsburgh, Pa		300, 425	P	÷	Univ. of Pittsburgh
Pittsfield, Mass	1XG	600, 1600-6000*		A.	General ElectricCo
Port Chester, N. Y Providence, R. I	2ZP 1ZP	200, 425, 600 200, 300, 425,	PP	X	John W. Hubbard Ralph C. Watrous.
Quarantine, Curtis Bay, Md.	3ZR	300, 600	P	(1)	Thomas L. Rich
Rapid City, S. Dak	9XA	(*)	P	X	Claude C. Van Nuy (So. Dak. School
Richmond, Va	3ZK	500*	P	x	of Mines). Frank S. Splat (Signal Corps
Riverdale, Md Rock Island, Ill	3ZD 9XR	500	P P	X X	Va. N. G.). Frank A. DeGroot Robert K. Karlow and Ray E. Ha
					(Tri-City Radi
Rockland, Me	1ZR	200, 300, 450, 600	P	x	Edward L. Norton
San Diego, Cal	6YS	300, 500, 600	P	X	Southern Electrica
San Francisco, Cal	6XA	300, 600*	P	X	Howard G. Ayla
San Francisco, Cal	6XD	300, <i>600</i> , 2500 3000	P	X	Dwyer Wireles Telephone & Tel egraph Co.
San Francisco, Cal Savannah, Ga	6XH 4XL	600* 300, 460, 560, 600*	P P	X	Wm. W. Hanscom. Claude A. Lewi and Mannin. White.
Schenectady, N. Y	2XA	300, <i>600</i> , 1000, 1200, 1700	P	x	E. M. Kinney.
Schenectady, N. Y Schenectady, N. Y	2XI 2ZB	1600-10, 000* 200, 300, 400,	P P	X X	General Elec. Co. Wallace L. Brooks.
Seattle, Wash	7XK	500 600, 1000, 1400, 2000, 4000*	P	x	Kilbourne & Clar
Seattle, Wash	7XM	2000, 4000* 300, 600, 1400*	P	x	Mfg. Co. Wireless Instru
Slingerlands, N. Y	2XD	200, 300, 600, 1000, 1200, 2000, 5500	P	X	ment Co. C. F. and B. V Deitz.

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

Station.	Call signal.	Wave lengths.	Serv- ice.	Hours of operation.	Station controlled by—
Springfield, Ill	9 <b>Z</b> S	600, 2000	P	X	Illinois Watch Co.
Springfield, Ohio	8ZM	300, 450, 600	P	X	Ross McGregor.
St. Davids, Pa	3ZS	300, 450, 600	P	X	Chas. H. Stewart.
St. Louis, Mo	9XC	700*	P	X X X	Christian Brothers College.
St. Louis, Mo	9XV	850, 1200, 1500 2000	P	X	Washington Univ.
St. Louis, Mo	9YR	150, 600	P	$\mathbf{x}$	St. Louis Univ.
Steamship "Tyler"	2XT		P	$\overline{\mathbf{x}}$	D. G. McCaa.
Summit, N. J	2XW	300, 450, <i>600</i> , 700, 1000	P	X	Frank N. Water- man.
Takoma Park, Md	3XB	500, 2000	P	X	Bliss Electrical School.
Trinidad, Colo	9ZB	450, 500, 750	P	X	E. A. Smith (Signal Corps, Colo. N. G.).
Valparaiso, Ind	9XD	300, 600*	P	X	Dodge's Institute of Telegraphy.
Warren, Ohio	8XW	1800	P	X	Goodyear Tire & Rubber Co.
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 (National Radio School).
Washington, D. C	3ZH		P	X	H. B. DeGroot.
Watchaug Pond, R. I.	ıXW		P	$\overline{\mathbf{x}}$	Ralph C. Watrous.
Wheeling, W. Va	8ZW	300, 450, 600, 1800	P	X X X	John C. Stroebel, ir.
Wilkes-Barre, Pa	8ZS	200, 425	p	X	John H. Stenger, jr.
Wichita, Kans	9YE	1700	ΙPΙ	X X X	Walter S. Ezell.
Worcester, Mass	iźw	200, 425	Ϊ́PΙ	$\overline{\mathbf{x}}$	Wm. H. Allison.

2457°—15——5

# SPECIAL LAND RADIO STATIONS, GROUPED BY DISTRICTS.

Call signal.	District and station.	Call signal.	District and station.
	First district:		Fourth district:
1XA	Amesbury, Mass.	4XA	Key West, Fla.
IXB	Boston, Mass.	4XG	Atlanta, Ga.
IXC	Chelsea, Mass.	4XL	Savannah, Ga.
1XG	Pittsfield, Mass.	4YC	Charleston, S. C.
XH	Boston, Mass.	1	Fifth district:
IXI	Gloucester, Mass.	5XC	Memphis, Tenn.
XK	Orono, Me.	5ZA	Montgomery, Ala.
XP	Cambridge, Mass.	5ZD	Memphis, Tenn.
XW	Watchaug Pond, R. I.	5ZM	Mobile, Ala.
ΥĤ	Cambridge, Mass.	5ZN	Beeville, Tex.
izc	Hartford, Conn.	5ZQ	Grand Coteau, La.
ĪŽĎ	Lexington, Mass.	024	Sixth district:
iZĹ	Northampton, Mass.	6XA	San Francisco, Cal.
ZM	Hartford, Conn.	6XB	Berkeley, Cal.
ZO	New Bedford, Mass.	6XC	Oakland, Cal.
ΖP	Providence, R. I.	6XD	San Francisco, Cal.
izr	Rockland, Me.	6XH	San Francisco, Cal.
ZT	Hartford, Conn.	6XL	Los Angeles, Cal.
izw	Worcester, Mass.	6XR	Berkeley, Cal.
izz	Farmington, Conn.	6X8	Alameda, Cal.
LUU	Second district:	6XT	Oakland, Cal.
2XA	Schenectady, N. Y.	6YL	
XD	Schenectady, N. 1.	6YS	Los Angeles, Cal.
XE	Slingerlands, N. Y.	6ZB	San Diego, Cal.
CAL	Montauk, Long Island, N. Y.	UZD	Pacific Grove, Cal.
2XG		7XK	Seventh district:
2XH	New York, N. Y.	7XL	Seattle, Wash. Bremerton, Wash.
2XI	New York, N. Y.	7XM	
	Schenectady, N. Y.	7XU	Seattle, Wash.
2XM	Aldene, N. J.	/AU	Algona, Wash.
2XN	New York, N. Y.	OVA	Eighth district:
XR	New York, N. Y. New York, N. Y.	8XA 8XW	Ann Arbor, Mich.
2XT	Steamship "Tyler."		Warren, Ohio.
		8YA	Auburn, N. Y.
2XU 2XW	New York, N. Y.	8YC 8YI	Ithaca, N. Y.
2YS	Summit, N. J. New York, N. Y.	8YL	Pittsburgh, Pa.
	Schonostoder N. V.		Lima, Ohio.
ZZB ZZH	Schenectady, N. Y.	8YO	Columbus, Ohio.
	Nutley, N. J.	8YP	Athens, Ohio.
2ZP	Port Chester, N. Y.	8ZB	Buffalo, N. Y.
מער	Third district.	8ZC	Battle Creek, Mich.
3XB	Takoma Park, Md.	8ZF	Cincinnati, Ohio.
3XC	Philadelphia, Pa.	8ZH	Cincinnati, Ohio.
3XJ	Philadelphia, Pa.	8ZK	Kane, Pa.
3XR	Hyattsville, Md.	8ZM	Springfield, Ohio.
3YM	Washington, D. C.	8ZN	New Castle, Pa.
3YN	Washington, D. C.	8 <b>Z</b> S	Wilkes-Barre, Pa.
3ZD	Riverdale, Md.	8ZT	Tiffin, Ohio.
3ZF	Friendship Heights, D. C.	8ZU	Hamilton, Ohio.
3ZH	Washington, D. C.	8ZW	Wheeling, W. Va.
3ZK	Richmond, Va.	8 <b>ZX</b>	Canal Dover, Ohio.
3ZR	Quarantine, Curtis Bay,		Ninth district:
	Md.	9XA	Rapid City, S. Dak.
3ZS	St. David's, Pa.	9XB	Beloit, Wis.

### RADIO STATIONS OF THE UNITED STATES.

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

Call signal.	District and station.	Call signal.	District and station.
9XC	Ninth district—Continued. St. Louis, Mo.		Ninth district—Continued. Agricultural College, N. Dak
9XD	Valparaiso, Ind.	9YG	Chicago, Ill.
9XH	Kansas City, Mo.	9YH	Ames, Iowa.
9XK	Kansas City, Mo.	9YI	St. Louis, Mo.
9XL	Burlington, Iowa.	9YR	Lake Geneva, Wis.
9XM	Madison, Wis.	9YW	Lake Geneva, Wis.
9XN	Grand Forks, N. Dak.	9YX	Denver, Colo.
9XP	Lawrence, Kans.	9ZA	Denver, Colo.
9XR	Rock Island, Ill.	9 <b>Z</b> B	Trinidad, Colo.
9XV	St. Louis, Mo.	9ZD	Denver, Colo.
9YA	Iowa City, Iowa.	9ZE	Minneapolis, Minn.
9YE	Wichita, Kans.	9ZK	Illiopolis, Ill.
9YF	Fargo, N. Dak.	9 <b>Z</b> S	Springfield, Ill.

### AMATEUR RADIO STATIONS.

### 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.
			Watts.
1FT	Ackley, Edward P	Peaks Island, Me	75
ISI	Alger, James W	Reading, Mass	100
IUL	Allen, Edwin B	Westerly, R. I	
1KG	Allen, Franklin	125 Sycamore St., New Bedford, Mass	30
1GM	Allen, J. Wyman	236 Hale St., Beverly, Mass	250
ITF	Allenson, George T	12 Railroad Ave., Valley Falls, R. I	20
iEV	Almquist, Fritz A	333 Franklin St., Quincy, Mass	500
1KJ	Anderson, Arvid E	Shore St., Falmouth, Mass	100
ÎTĂ	Anderson, Caleb J	Tudor Lodge, Old Beach Rd., Newport,	100
1HN	Anderson, Daniel H	R. I. 40 Oliver St., Everett, Mass	250
1AL	Anderson, Harold W	297 Brackett St., Portland, Me	
$1N\Lambda$	Andonegui, Lane	1010 Mass. Ave., Cambridge, Mass	250
1ME	Angell, Otis P	20 Trowbridge St., Cambridge, Mass	250
1VM	Angelo, Anthony A	191 Laurence St., Hartford, Conn.	150
1KQ	Armstrong, James B	15 Bradford Rd., Newton Highlands, Mass.	250
1DA	Bacon, Harold L	70 Wallace St., New Britain, Conn	100
INI	Bailey, Stanley M	55 Cottage St., Hudson, Mass	100
1FC	Baker, C. Hall	Torrington Point, Peak Island, Me	120
1DN	Balcom, Loris L	Noroton Heights, Conn	2-
IWE	Baldwin, James P	66 Forest St., New Britain, Conn	1,000
1LG	Ballon, Willis H	82 Winthrop St., Medford, Mass	100
1LF	Barrett, Bradford L	47 Forest St., Springfield, Mass	50
IWJ	Barrett, John II	64 Lafayette Pl., Greenwich, Conn	110
1UQ	Barth, Karl E	229 Washington Ave., Providence, R. I	1,000
1MX	Batchelder, Earl C	378 Broadway, North Attleboro, Mass	150
1JK	Batchelder, Hugh M	92 Lake Ave., Melrose, Mass	15
1KX	Batcheller, Arthur	199 Sherley Ave., Revere, Mass	150
1GU	Baumann, Howard	24 Hale Ave., South Medford, Mass	15
11Y	Baxter, Horace M	160 Foster St., Brighton, Mass	100
1MC	Baylies, Milton A	111 Grinnell St., New Bedford, Mass	500
1SP	Bayliss, Joseph	18 Lexington Ave., South Norwalk, Conn	500
1CZ	Bean, Harold W	82 S. Main St., Penacook, N. H.	880
1SL	Bearse, Edwin W	43 Cutter St., Somerville, Mass	40
1IW	Beckvold, Melvin P	87 Callender St., Dorchester, Mass	50
10J	Beecher, George E	416 Allen St., Springfield, Mass	16
1KW	Beering, Herbert A	61 South St., Jamaica Plain, Mass	500
1VL	Belknap, Edward L	91 Vine St., Hartford, Conn.	100
IND	Bellis, Clifford B	9 Brown St., Waltham, Mass.	200
1CT	Belmont High School	Belmont, Mass	500
ÎHY	Bennett, Lawrence S	2 Lawrence St., Everett, Mass.	500
1LQ	Bennett, William F., jr.	24 Spring St., Somerville, Mass	15
iDK	Benoit, Ralph J	242 Whiting St., New Britain, Conn	24
1HO	Bergmann, Malcolm P.	50 Jaques St., Somerville, Mass	50
iFI	Bernier, Walter J	7 River St., Sanford, Me	18
1FW	Beverage, Harold H	North Haven, Me	50
iUG	Bigelow, Fred C.	123 Chapel St., Saylesville, R. I.	500
1MI	Birdsall, Elmer S	Vineyard Haven, Mass	60
1EF	Bixby, Harold O	65 Hillside Ave., Arlington Heights, Mass.	100

# Amateur Radio Stations—First District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Power.
	D. 1 W		Watts.
1QK	Black, William R	32 Jefferson St., Newton, Mass	50
1E0	Blanchard, Chester T Blanchard, Ralph N	25 Ashmont St., Dorchester Center, Mass.	50
1NB	Blanchard, Ralph N	73 Jenkins Ave., Whitman, Mass	250
1HA	Blanchard, Raymond C	14 Leonard St., North Attleboro, Mass	300
1WV	Blanke, Donald C	Greenwich, Conn	330
1EH	Bloom, Philip H	9 Adams St., Holyoke, Mass	500
1LB	Blume, Carl T	I 8 Ubnam St., Revere, Mass	500
1MB	Boudette, Clayton M	194 Elm St., Everett, Mass	500
1QN	Bowditch, Frederic C., jr.	164 Rawson Road, Brookline, Mass	250
1LC	Bowen, Arthur N	34 Apthorp St., Revere, Mass	250
1KU   1KO	Bowen, Earle H	459 Madison St., Fall River, Mass	250
	Bowen, Harold C	168 Belmont Ave., Fall River, Mass	250
1KS	Boy Scouts of America, Troop I.	Reading, Mass	108
1GJ	Bradbury, Lawson E	138 Endicott Ave., Revere, Mass	300
1WZ	Bradin, Jack H	30 Highland St., Hartford, Conn	880
1TR	Brigge, Darrah	41 School St., Newport, R. I	50
1LR	Brigham, Everett R	46 Church St., Hudson, Mass	60
1SB	Brock, William C	36 Liberty St., Nantucket, Mass	40
1AC	Brown, Orlando W	12 Kimball St., Sanford, Me	300
1WA	Bueb, John J., jr	12 Maher Ave., Greenwich, Conn	250
IRG	Buffinton, William H	836 Maple St., Fall River, Mass	500
1FD	Burdwood, Otho R	Gorham, Me	150
1HI	Burke, Alan W	40 Pollock Ave., Pittsheid, Mass	750
1AU	Burns, James L	23 Pearl St., Rockland, Me	15
1SV	Burton, H. R Bushee, Ward H	173 W. Elm Ave., Wollaston, Mass	100
1HH	Pushway Goorge F	249 County St., Attleboro, Mass	250
IJE IVZ	Bushway, George F Butler, James T	87 Glen Rock Ave., Malden, Mass 31½ Broadway, New Haven, Conn	100 50
lir	Butterfield, George W	14 Birch Hill Ave, Wakefield, Mass	100
imv	Caldwell, George W	52 Cherry St., Lynn, Mass.	500
inu	Campbell, Harold G	86 Kenwood St., Dorchester, Mass	100
ijo	Campbell, James S	Northbridge, Mass	550
iky	Canfield, Donald T	Westboro, Mass.	100
iiT	Canning, Richard H	95 Maple St., Milton, Mass	35
îFY	Carles, Reginald, C	66 Evans St., Portland, Me	
180	Carles, Reginald, C Cash, Wilson H	3 Prospect St., Nantucket, Mass	240
īBĬ	Castner, Harold W	69 High St., Portland, Me	12
1QE	Chace, Myron D	7 Norwood St., Worcester, Mass	100
iĞC	Chadwick, Gilbert L	7 Norwood St., Worcester, Mass	27
1TY	Champlin, Albert R	74 Spring St., Westerly, R. I	100
1WL	Chase, Harry	400 N. Main St., Wallingford, Conn	880
1HC	Cheetham, Henry R	81 Avon St., Somerville, Mass	50
1JV	Chisholm, Chesleigh C	Squantum, Mass	30
1AQ	Claffin, Harold M	160 College Ave., Waterville, Me	440
1WG	Clark, Bradford J	49 Oak St., Hartford, Conn	40
1UU	Clark, Robert S	42 Elm St., Westerly, R. I	100
1QR	Clark, Wesley C	34 Cliff St., Arlington, Mass.	250
1FL	Clark, William T	13 Winter St., Sanford, Me	20
1TS	Clarkson, Charles N	17 Gibbs Ave., Newport, R. I	50
1UP	Classical High School	Providence, R. I	300
1PT	Clayton, Henry C	1422 Washington St., Canton, Mass	30
1RM	Clements, William B Cogswell, George R	29 Pemberton Sq., Boston, Mass	180
1HG	Cogswell, George R	18 Garden St., Cambridge, Mass	200
1SJ	Coit. Jeffery V	22 Platt Ave., Norwich, Conn	140
1DJ	Cole, George E Coleman, Benj. B. B	350 Piedmont St., Waterbury, Conn 193 Clapp St., Milton, Mass	250
INE	Coleman, Benj. B. B	195 Clapp St., Milton, Mass	220
IWC IJD	Coleman, William F Collins, W. Lovejoy	177 Wethersfield Ave., Hartford, Conn	100
		44 Carver Rd., Newton Highlands, Mass	100

Amateur Radio Stations—First District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Watts.
ıWQ	Conner, John A	293 Greenwich Ave., Stamford, Conn	50
INK	Coogan, Thomas P	292 Washington Blvd., Springfield, Mass.	770
IJU	Cooke, Grover C	274 Boston St., Lynn, Mass	886
1FP	Coomba, George T	Castine, Me	20
ios	Copland, H. Depew	42 Huron Ave., Cambridge, Mass	100
iLE	Corney, Chester A	781 E. Broadway, Boston, Mass	250
iEC	Cosgrove, Fred J	57 Cedar St., Taunton, Mass	500
1BX	Courtney, Frank T	South Ryegate , Vt	2
iDE	Cowles, Willard B	94 W. Main St., Plainville, Conn	5
iĞE	Cressy, Dustin G	233 E. Fellsway, Malden, Mass	250
ÎEP	Crocker, Edmund P	23 Hussey St., Nantucket, Mass	100
iHP	Cromack, N. G. N	8 Elm Lawn St., Dorchester, Mass	100
igŤ		Prides Cressing Mass	500
INL	Cummings, Francis II	Prides Crossing, Mass	24
	Curtis, Samuel	44 Faxon Rd., Atlantic, Mass	
1BV	Cusick, Howard	21 Beech St., Gardiner, Me	880
10B	Daggett, Royal S	CO Colland Ass. Asimaten Heislan Man	50
lIK	Dallin, Edwin B	69 Oakland Ave., Arlington Heights, Mass.	
IQZ	Danehy, Edward J David, Harold E	21 Sargent St., Cambridge, Mass	100
1KD	David, Harold E	24 Belchertown Rd., Amherst, Mass	275
1AX	Davies, Orel E	301 Main St., Rockland, Me	250
1ST	Decker, J. Raymond	149 Warren St., Roxbury, Mass	100
1ES	Deering, Frederick A	109 Highland Ave., Melrose Highlands, Mass.	100
1VW	Delage, George C	321 Greenwich Ave., Greenwich, Conn	250
1DM	Dewey, Kenneth C	4 Church St., Tariffville, Conn	250
1LH	Dickson, William E	59 Hamden Circle, Quincy, Mass	250
iDZ	Didsbury, Wallace E	27 Cook St., Winsted, Conn	200
1ET	Dodge, Joseph B	26 School St., Manchester, Mass	500
10Z	Doe, Charles S	291 Reedsdale Rd., Milton, Mass	40
iLO			250
iuo	Donovan Arthur B	49 Bigelow Ave., Rockland, Mass	100
	Doyle, John B	306 Thurber Ave., Providence, R. I	30
1PC	Drake, Ervin T., jr	40 Holyoke House, Cambridge, Mass	
IRJ	Drew, William E	324 Central St., Auburndale, Mass	90
1GQ	Dunbar, Atherton K	175 Mt. Auburn St., Cambridge, Mass	270
1HZ	Duncan, Harrie E	34 Foster St., Newtonville, Mass	500
1LI	Dwight, Harrison W	24 Milwood St., Dorchester, Mass	
1GN	Dyson, John F	Somerset, Mass	
1MY	Eales, Malcolm A. L	4 Chestnut Park, Melrose, Mass	
1DT	Edgerly, Albert H., jr	Kensington, Conn	
1QG	Edmester, Earle C	23 Beacon St., Everett, Mass	27
1KB	Edwards, Ralph E	214 Bacon St., Waltham, Mass	
1RN	Ege, John F	153 Crost Ave., Revere, Mass	500
1NC	Ekwall, George O	"The Standish," Waltham, Mass	100
10F	Eldredge, Clarence R	41 Lawrence St., Wakefield, Mass	500
1HR	Elliott, Thomas H., jr	32 Evans Rd., North Weymouth, Mass	1,000
1UW	Ellis, John W	42 Filmore St., Lakewood, R. I	4
1RD	Ericson, Arthur E	Manchester, Mass	
1AJ	Fabbri, Alessandro	Bar Harbor, Me	940
1DW	Fairchild, Charles R	19 Kirkham Ave., East Haven, Conn	100
1JT	Farmer, Édward E	15 Cotting St., Medford, Mass	
1EQ	Farnum, Willis H	21 Walter St., Somerville, Mass	. 50
ĪIJ Č	Fassitt, Andrew J., jr	27 Walden St., Cambridge, Mass	500
1PU	Fearing, Sumner E	36 Water St., East Weymouth, Mass	
îEŽ	Fenno, Stanley W	Revere, Mass	
iro	Fernald, Wilder A	238 Hale St., Lowell, Mass	
îDV	Fisk, Leonard D	West Hartford, Conn.	
1BA	Fitts, Harold W	2 Park St., Barre, Vt.	
10H	Flanders, Fred F	9 Norway St., Boston, Mass	
iTL	Flint, Carl O	4 High St., Westerly, R. I.	550
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### AMATEUR RADIO STATIONS—FIRST DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Watts.
1PV	Folsom, Rolfe A	76 Rockland Ave., Malden, Mass	75
1GX	French, Walter B	47 Varnum St., Lowell, Mass	440
1KN	Froberger, Laurence G	50 Minot St., West Lynn, Mass. 27 Hart St., Hartford, Conn.	15
1DU	Frost, Russell S	27 Hart St., Hartford, Conn	30
1IH	Fuller, Clarence C	50 High St., Mansfield, Mass	616
1KP	Fuller, Perry D	14 Monson St., Dorchester, Mass	30
1CS	Furlong, Joseph	85 Glen Rd., Boston, Mass	100
1JL	Gahm, Sebastian, ir	113 Sheridan St., Jamaica Plain, Mass	100
1RZ	Gallagher, Edward J Gardner, Chester R	16 Appleton St., Atlantic, Mass	220
IHF	Gardner, Chester R	11 Spring Hill Ter., Somerville, Mass	100
INX	Garfield, Harold E	121 Centre Ave., Rockland, Me	45
1SF	Garrett, John D	645 Farmington Ave., Hartford, Conn	200
iUD	Gates, Harold S	261 Washington Ave., Providence, R. I.	10
1BF	Gates, Paul H	Franklin, Vt	16
1BB	Gavett, Andrew W	39 Smith St., South Portland, Me	250
iGV	Gavill, Wilbur W	West Chelmsford, Mass.	210
iut	Gavitt, Lester E	43 Reach St. Westerly R. I	100
iRI	Gawler, H. C	43 Beach St., Westerly, R. I	200
iss	Gawler, Leonard M	53 Heath St., Somerville, Mass	100
1SK	Geer, Laurence P	38 Atlantic St., Lynn, Mass	100
1NR	Gerrish, Kenneth B	170 Summer St., Malden, Mass	30
INQ	Getchell, Melvin D	127 Monument St., West Medford, Mass.	10
ivv	Gillespie, Eugene	31 Brownstone Ave., Portland, Conn	500
10C	Gisburne, Edward A	12 Oakley St., Dorchester, Mass	25
1CG	Godfray, Carlton T	55 Homes Ave., Dorchester, Mass	100
1MG	Goodwin, A. R.	35 Cleveland Ave. Square Mass	40
1FA	Gould, Charles D	35 Cleveland Ave., Saugus, Mass	18
1CI	Gray, Walter B	47 Leonard St., Rochester, N. H	20
1NJ	Grapley Empaia R	50 Church St., Hudson, Mass	165
	Greeley, Francis B Griffin, Barte J., jr	86 Magnolia Ter., Springfield, Mass	12
1MH	Criffin Stophon A	Pooks Island Mo	70
1FX	Griffin, Stephen A	Peaks Island, Me	100
1BQ	Hackett, Harry S Haffcke, Philip M	47 Locust St., Danvers, Mass	500
1EY 1TV	Hale Edward E	92 Hallick Ave., Riverside, R. I	100
	Hale, Edward E		250
1EX	Haley, James A	7 Saranac St., Dorchester, Mass	24
1FO	Haley, Osmon	8 Goodwin St., Sanford, Me	100
1AW	Hamilton Charles E	7 Domono St. Springfold Mass.	200
10E	Hamilton, Charles F	7 Pomona St., Springfield, Mass	500
1HM	Hammett, Herbert M	4 Blue Hill Ave., Roxbury, Mass	23
1ED	Hardy, Rodney C	38 Gray St., Arlington, Mass	250
1GS	Hardy, Wilbur H	778 Hale St., Beverly Farms, Mass	100
1UA	Hargraves, Harold T Hartwell, E. G	Silver Lake Ave., Lakewood, R. I High School, North Attleboro, Mass	250
1PM	Hartwell, E. G		200
1VO	Haskell, Shirley D	Ivoryton, Conn	250
1LK	Haskins, Frederic C	220 Lexington St., Belmont, Mass	72
1AY	Hatch, James F	86 Elm St., Portland, Me.	80
1FK	Hatch, Roland J	171 Oxford St., Portland, Me	
1DI	Haugh, Charles J., jr	129 Farmington Ave., Waterbury, Conn	56
1SQ	Hayes, Clifford R	66 S. Main St., South Norwalk, Conn	500
1CB	Hayes, Ralph S	Exeter, N. H	100 100
1SZ	Hayward, Edward E., jr	4 Pembroke St., Newton, Mass	
10T	Heap, Sheldon S	132 Atlantic St., Atlantic, Mass	500
1VA	Hendrickson, Verner A	97 Lockwood St., Stamford, Conn	60
1JY	Herland, John N	48 Brush Hill Rd., Mattapan, Mass	25
1SW	Hersey, Ralph H	2 Harborview Ave., Salem, Mass	1,000
1QV	Heyman, Harry	15 Congress St., Springfield, Mass	100
1GI	Higgins, Charles A	17 Pond St., Waltham, Mass	250
1FV	Hill, Harold F Hilliard, Dana S	102 Trowbridge St., Cambridge, Mass 301 Hanover St., Fall River, Mass	500
1NH	Halliard Dana S	KILL MODOVOP ST HOLL KIVOP MOSS	440

Amateur Radio Stations—First District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Permer.
			Watte.
1DP	Himes, Norman E	17 Asylum St., Norwich, Conn	100
1WS	Hitchcock, Howard A	1647 Boulevard, West Hartford, Conn	220
1CD	Hitchcock, William H	106 Arlington St., Manchester, N. H	50
lJQ lWY	Hoffman, Frank E Hoggson, Wallace	60 Pearl St., Springfield, Mass	500
ıwy	Hoggson, Wallace	Greenwich, Conn	500
1WD	Holbrook, Richard F	3 Thompson Ave., East Haven, Conn	20
1QP	Holt, Clarence G	26 Trenton St., Melrose, Mass	30
iŤI	Horgan, T. Francis	26 Trenton St., Melrose, Mass	500
ivo	Horsfall, George W	Unionville, Conn	100
ijB	Hovenden, Herbert C	42 Austin St., Newtonville, Mass	100
ira	Howard, George E	11 Middle St., Hingham Center, Mass	250
iGL	Howe, Bradford L	11 Fair Oaks Ave., Newtonville, Mass	28
ibu	Hoyt, Lowell P	R F D No 3 Programa Isla Ma	264
iŭx		R. F. D. No. 3, Presque Isle, Me	55
	Hull, Elliott B	97 High St. Fact Haven Conn	20
1WM	Hunn, Edward B	27 High St., East Haven, Conn	
INS	Hyde, Irving B	59 Glenwood Ave., Pittsfield, Mass	30
INN	Ingalls, George A	7 Holten St., Danvers, Mass	250
1MA	Irwin, Samuel D	West Bridgewater, Mass	250
1LD	Isherwood, William L	69 Winsor St., New Bedford, Mass	250
1LW	Jackson, Edward W	34 Parker St., Lexington, Mass	1,000
1GB	Jaques, Louis A	57 Jaques St., Somerville, Mass	100
1II	Jennings, W. Francis, jr.	89 Sewell Woods Rd., Melrose Highlands, Mass.	550
1TP	Jensen, Leonard C	17 Mt. Vernon St., Providence, R. I	100
1KA	Jepson, Warren F	3 Perkins St., Melrose, Mass	
1UE	Jette, George E	161 Summer St., Central Falls, R. I	500
1MQ	Jewett, Leroy R	Highland Square, Lynn, Mass	1,000
1TJ	Johnson, Alexander R	371 Sayles St., Providence, R. I	100
irk	Johnson, Elmer C	102 Hancock St., Whitman, Mass	220
IAP	Johnson, Ernest B	28 Spring St., Portland, Me	420
imk	Johnson, Thurston A	123 Winthrop St., Winthrop, Mass	250
1MJ	Judkins Nathaniel B	1474 Pawtucket Ave., Rumford, R. I	100
ill	Judkins, Nathaniel B Justice, Francis C	148 Tremont St., Newton, Mass	100
iñu	Karl, Henry J	568 Union St., New Bedford, Mass	30
iid	Kehoe, Francis	41 Walnut St., Boston, Mass.	250
iic l	Keller, Adrian C	36 Grand View Ave., Medford, Mass	190
icy	Kelley, Lawrence E	35 Saunders St., Allston, Mass	150
iăf	Kelley, Danield I		80
101	Kelsey, Donald L	67 Rankin St., Rockland, Me	1,000
iJP	Kenison, Arthur C	45 Parker St., Lexington, Mass	1,000
	Knapp, Everett L	39 Otis St., Melrose, Mass	1 000
1LP	Knight, Hugh C	132 Melrose St., Melrose Highlands, Mass.	1,000
IPI	Knight, Maurice E	3 Edwin St., Boston, Mass	30 20
IKT	Knight, Oscar F	201 Pleasant St., Attleboro, Mass	
IFN	Knowlton, Dean W	38 High St., Belfast, Me	30
1FB	Knowlton, Henry E	Eagle Island, Me	25
IKH	Lally, Charles A	12 Lincoln St., North Adams, Mass	
IIN	Lamson, Horatio W	10 Oakland Ave., Arlington Heights, Mass.	500
1GD	Lane, Frederic A	7 Madison Ave., Gloucester, Mass	250
1 <b>JZ</b>	Lanouette, Kenneth H	21 Houston Ave., Milton, Mass	18
1EE	Larsen, Reidar	46 Cabot St., Roxbury, Mass	30
1AT	Lawford, Arthur H	292 Main St., Bar Harbor, Me	1,000
1VH	Lawson, Allan	217 Rockwell St., Winsted, Conn	100
1IS	Leach, George F	513 Liberty St., Rockland, Mass	100
1UH	Lear, George F	134 Broadway, Newport, R. I	50
1UZ	Learned, Alpha A	134 Broadway, Newport, R. I	24
iiF	Leighton, Harold M	25 Walnut St., Lynn, Mass	15
inz	Leutz, Charles R	34 Wyman St., Jamaica Plain, Mass.	50
inw	Linn, Harold W	34 Wyman St., Jamaica Plain, Mass 107 Alden St., Whitman, Mass	250
			600

AMATEUR RADIO STATIONS—FIRST DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
9			Watts.
1 <b>TZ</b>	Lisker, William	141 Chester Ave., Providence, R. I	24
1PK	Loheed, William J., jr	12 Clifton Ave., Campello, Mass	
1BM	Lomnitzer, Frank W	1365 E. Main St., Bridgeport, Conn	498
IWU	Loomis, Harold C	18 Oakland Ter., Hartford, Conn	100
IKI	Loring, Wilfred B	Plympton, Mass	30
INY IFF	Lovis, Donald B	26 Adelaide St., Jamaica Plain, Mass	100
iBY	Lowell, Philip E	Portland Pier, Portland, Me	278
INT	Lyman, Reginald P Lynch, John P	27 S. Main St., Rutland, Vt	30
ÎHE	Lynde, Kenneth R	20 Cloelia Ter., Newtonville, Mass	100
IML	Lyon, William H	East Lexington, Mass	500
IIM	Macdonald, Erving L	80 Euclid Ave., Springfield, Mass	86
IRE	MacLeod, Charles M	11 St. Stephens Court, Lynn, Mass	18
1FQ	Macomber, Leroy W	11 Bayview St., Belfast, Me	250
1TŇ	Mahoney, Charles J	18 Pond Ave., Newport, R. I	100
1TG	Manchester, Arthur W	31 Newport Ave., Newport, R. I	250
1TH	Mnauel, Lloyd	9 Bayside Ave., Newport, R. I	500
1AB	Marden, Frank O	25 Robinson St., South Portland, Me	100
1GP	Marsh, Albert A	2 Albion Pl., Chelsea, Mass	55
1NG	Marshall, T. Stanley	1 Hobart St., Danvers, Mass	1,000
1BH	Martineau, E. Joseph	1 Lafayette St., Lewiston, Me	500
1WW	Maurer, Frank T	Orange, Conn	100
1ER	McCurdy, Bruce H	145 Main St., Malden, Mass	35
1NW	McDermott, Joseph H	Belmont, Mass	215
1QQ	McGrath, Joseph L	206 Fayette St., Wollaston, Mass	100
1CX	McIntosh, Harold W	431 Great Plains Ave., Needham, Mass	25
1FH	McIntyre, Harris B	65 Court St., Houlton, Mass	30
1CU 1CM	McKay, Preston L	54 Plymouth St., North Carver, Mass	18
1LX	McLane, Henry R McMahon, William G	342 Union Ave., Laconia, N. H 6 Rockland St., Melrose Highlands, Mass.	1,000
iKM	Meekin, William J	34 Custer St., Rockland, Mass	250
1FM	Meggison, Forrest L	82 Central St., Westbrook, Me	
îFĴ	Meggison, Wilbur P	13 Mechanic St., Westbrook, Me	
ieg	Meirowitz, David	269 West St., Pittsfield, Mass	
īCŸ	Meirowitz, Harry	176 West St., Pittsfield, Mass	25
1QH	Melvin, Arthur W	R. F. D. No. 1, Chelmsford, Mass	250
1ĚU	Merrill, Donald F	282 Buckminster Rd., Brookline, Mass	475
1FR	Merrow, Elmer R	R. F. D. No. 6, Auburn, Me	100
1BP	Mills, Bruce M	48 Crescent St., Rutland, Vt	50
1VN	Miner, Robert S	11 Girard Ave., Hartford, Conn	770
18X	Moore, George M	295 Beale St., Wollaston, Mass	250
1VU	Morse, Harold J	40 Clark St., Hartford, Conn	10
1BK	Morse, Walter J	24 Terrill St., Rutland, Vt	100
1Q0	Morton, Adelbert R	79 Lonsdale St., Dorchester, Mass	24
1GO	Morton, Sidney	6 Francis Ave., Pittsfield, Mass	330
110	Mosher, Clifton E	11 Jenny Lind St., New Bedford, Mass	30
1LY 1TB	Moulton, Albert B   Mulvihill, Francis A	26 Monadnock Rd., Worcester, Mass	500
1HW	Munroe, Henry W. T	369 Main St., New Britain, Conn	440 500
1RB	Murphy, Denis L	Lancaster, Mass.	100
1LZ	Murphy, Dudley B	176 Highland Ave., Winchester, Mass	1,000
iPX	Murphy, Harry J	Florence, Mass	5(
iQF	Nash, Paul	64 Fairmont Ave., Newton, Mass	18
îFs	Nash, William A	43 Granite St., Biddeford, Me	500
îDÕ -	Nelson, Nels N	58 Fairview St., New Britain, Conn	50
1WN	Neuhaus, Theodore F	Windsor, Conn	200
1RY	Newcomb, Roland D	16 Webster St., Atlantic, Mass	500
1TO	Newton, Raymond C	292 California Ave., Providence, R. I	25
1KZ	Nichols, John S	825 North St., Pittsfield, Mass	1,000
1FU	Nicholson, James H	119 Washington Ave., Portland, Me	600

# Amateur Radio Stations—First District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Power
			Watte
IGH	Nickerson, Arthur B	Hotel Thorwald, Gloucester, Mass	5
lJA	Nock, Herbert F	6 Hunting St., Attleboro, Mass	50
1RU	Norcross, Warren	Needham, Mass	2
IQA	Norcross, Warren Nyquist, Norman A	107 Chestnut Ave., Jamaica Plain, Mass	10
išū	O'Brien, David W	178 Second St., Pittsfield, Mass	50
ίΙΧ	Obloan Olof	470 Chafta St. Maurton Mass	25
	Ohlson, Olof Oliver, Herbert W	472 Crafts St., Newton, Mass	
ISD	Ouver, Herbert W	164 Allen Ave., Lynn, Mass	27
ICK	Onens, Clarence E	820 Front St., Chicopee, Mass	10
IDS	Ostlund, Axel F	559 Broad St., Hartford, Conn	10
IMO	Ostrander, Freeman K.,	78 Charles St., Springfield, Mass	50
lwk	jr. Palmer, Rae C	320 Wethersfield Ave., Hartford, Conn	55
IRC	Papkee, Edward D	16 Garden St., Medford, Mass	
JC	Parker, John A	246 Broadway, Somerville, Mass	25
ISH	Parmelee, Albert O	Reading Mass	10
ΪĒ		Reading, Mass	-
	Paton, Raymond	11 Unimes Ct. Malden Mass	01
IIG	Patten, Ernest L. O	11 Holmes St., Malden, Mass	21
OM	Payson, Gilbert R., jr	545 Belmont St., Belmont, Mass	10
UB	Pease, Reginald M	5 W. Park St., Providence, R. I	]
UN	Peckham, J. Wallace	Middletown, R. I	10
IVY	Pember, Harold N	5 W. Park St., Providence, R. I	25
MN	Pennell, Leon	69 N. Main St., Brockton, Mass	10
KF	Pennypacker, Thomas R.	Chatham, Mass	10
RF	Pennypacker, Thomas R.	6 Chauncy St., Cambridge, Mass	1
ÜV	Perry, Foster N	62 Elm St., Westerly, R. I	30
ĂĬ	Power Homos P	74 Winter St. Destland Ma	l i
ÉM	Perry, Horace R Peterson, Alexander H	74 Winter St., Portland, Me	1,00
	- 00015011, 11102411401 11111	Mass.	_,
D <b>B</b>	Peterson, Hans C. W	44 New King St., Thompsonville, Conn	27
KK	Pettey, Raymond A	Dartmouth, Mass	24
EW	Phelan, Lawrence T	102 Rodman St., Fall River, Mass	;
SE	Phillips, Henry D	11 Haakell St. Cambridge, Mass	10
AO	Pickles Joseph A	38 Emery St., Sanford, Me	
IL	Pickles, Joseph A Pierce, Robert	70 Westland Ave., Boston, Mass	2
wx	Powell (Miss) Cooil	451 New Britain Ave., Hartford, Conn	l ī
JS	Powell, (Miss) Cecil	491 Diamonth Ct. Common Mass	1
	Powers, Leonard S	431 Plymouth St., Carver, Mass	
DR	Pranitis, George S	266 Fairview St., New Britain, Conn	
JG	Pratt, Fearing	120 Main St., Hingham, Mass	25
AN	Pratt, Fearing Pratt, Rhama W	207 Longfellow St., Westbrook, Me	2
.PJ	Pratt, Walter L	50 Hartsuff St., Rockland, Mass	10
KE	Priest, Holden C	101 Abbottsford Rd., Brookline, Mass	50
QM	Proulx, George H	147 Pemberton St., Cambridge, Mass	10
PΫ́	Pulley, Lester A	33 Porter St., Melrose, Mass	5
MP	Purssell, Clarence V	1257 Morton St., Dorchester, Mass	2
RP		27 Cotting St. Modford Mass	1
	Randall, Eugene F	27 Cotting St., Medford, Mass	
PZ	Ranlett, Frederick J., jr.	357 Central St., Auburndale, Mass	10
AG	Ray, Charles H	Audurn, Me	
ON	Readio, George U	Auburn, Me	1,00
DY	Redick, Kenneth T	New inoton Conn	2
CQ	Reed, Coleman C	672 Marlboro St., Keene, N. H	20
PÕ	Reed, Leslie S	61 Cheetnut St., New Bedford, Mass.	7
Βŏ	Reed, Sherman A	672 Marlboro St., Keene, N. H	50
LĂ		747 High St., Fall River, Mass	50
EZ	Remington, Kenneth F.		25
	Revere High School	Revere, Mass.	
CP	Reynolds, Walter W	19 Marlboro St., Belmont, Mass	2
SG	Rice, Ralph W	31 Vinal Ave., Somerville, Mass	
AR	Rich, Marion	Cedar Ave., Bar Harbor, Me	23
IA	Richmond, Harold B	12 George St., Medord, Mass	40
JX	Rinaldi, Henry L	34-A Ibbetson St., Somerville, Mass	10
GY	TO 11: TT 11 TT	315 Kent St., Brookline, Mass	2

## Amateur Radio Stations—First District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Watts.
1CC	Robert, Fortuna	457 E. High St., Manchester, N. H	10
1DD	Robillard, Paul	149 State St., New London, Conn	250
1SR	Robinson, Alfred L	2458 Massachusetts Ave., North Cambridge, Mass.	100
1BR	Robinson, B. C	St. Johnsbury Center, Vt	530
1GR	Robinson, Henry S	136 Pleasant St., Attleboro, Mass	500
1FE	Robinson, Laurence B	R. F. D. No. 2, Gorham, Me	250
1EJ	Robinson, Philip F	149 Hollis Ave., Braintree, Mass	275
1AS	Rochelau, William H	71 Church St., Westbrook, Me	250
1MR	Roddin, Thomas	90 Pine St., Belmont, Mass.	500
1BS	Rolph, Henry D	16 River St., Stamford, Conn	100
1EL	Rosenbloom, William	108 Thornton St., Revere, Mass	500
1MS 1JR	Rowell, Kendall B	135 Dale St., Waltham, Mass	500
1LS	Ruggles, Clifford L	6 Simonds Court, Medford, Mass	18 250
1BT	Runey, Leon C Rusack, Sidney L	49 Fairmont St., Belmont, Mass	48
1RR	Rusk, Ian M	192 Adams St., Lakewood, R. I	250
1HV	Ryan, James A	13 Knowlton St., Somerville, Mass.	100
1WT	Salzgeber, John W	81 W. Main St., Ivoryton, Conn	100
1WH	Sam, Chin King	17 N. Elm St., Waterbury, Conn	
1DX	Sandreuter, Stuart	Stamford, Conn	36
1HL	Sargent, Frederick G	Westford, Mass	784
1QB	Saunders, George B	52 Francis St., Boston, Mass	100
1WR	Sawtelle, Donald F	184 Gilbert Ave., New Haven, Conn	24
1HK	Sayward, Lyman W	253 Belmont St., Quincy, Mass	440
1VX	Schmidt, Paul	54 Oak St., Hartford, Conn	280
1DH	Schrump, Francis E	58 Fairview St., New Britain, Conn	10
1AH	Schultz, W. R.	3 Hawks Ave., Eastport, Me	250
1LM	Scott, Kenneth G	27 E. Allston St., Somerville, Mass	100
ILT	Scott, Ralph A	952 Franklin St., Melrose Highlands, Mass.	250
1NO 1IU	Sharpe, Floyd H	260 Tinkham Ave., New Bedford, Mass.	250 50
1BN	Shattuck, George E Shaw, Raymond H	227 Broad St., North Attleboro, Mass 10 E. Washington St., Rutland, Vt	21
1DC	Sheehan, Walter J	40 Terrace Ave., Waterville, Conn	1,000
IAV	Sherman, Calvin A	80 Camden St., Rockland, Me	20
1GG	Shirt, Arthur G	18 Augustus St., Fall River, Mass	360
1RX	Shorey, G. Faxon	249 Grove St., Melrose, Mass	12
1SA	Sias, Cyril W	246 Oakland St., Springfield, Mass	24
1WO	Simkin, Colin	44 High St., Hartford, Conn	660
1HD	Simmonds, Earle G	185 S. Main St., Attleboro, Mass	25
1DF	Simsbury High School	Simsbury, Conn	300
1RQ	Sistare, Donald B	48 Forest St., Springfield, Mass	36
1VI	Slawson, Spencer W	Brookside Drive, Greenwich, Conn	250
1JH	Sleeper, Dorman D	327 Broadway, South Boston, Mass	100
1AD	Smith, Edward S. C	55 South St., Biddeford, Me	100 250
100 IVT	Smith, Kirk E Smith, Lewis J	300 Park St., West Springfield, Mass 112 Chestnut St., Norwich, Conn	160
iEK	Snow, Albert E	Orleans, Mass	80
IJF	Snow, Albert E	30 Carry Ave., Chelsea, Mass	715
1GA	Snow, Harold C	41 Paradise Rd., Swampscott, Mass	250
iRT	Snow, Raymond A	19 Gage St., Needham, Mass	100
1BJ	Somerville, Paul S	32 Cliff St., St. Johnsbury, Vt	250
îTT	Soney, Henry C	292 Oxford St., Providence, R. I	180
iov	Southwick, Arthur M	176 Waban Ave., Waban, Mass	45
1TE	Sparrow, Edward C	Jamestown, R. I	500
1QX	Spaulding, Ralph H	14 Alberta Ter., Cambridge, Mass	100
1QT	Sperling, John G., jr	23 County St., Ipswich, Mass	100
1FG	Spinney, Charles E	24 Winter St., Sanford, Me	500
1EN	Spring, Joseph H	Newton Lower Falls, Mass	250
10W	Stackhouse, Walter T	86 Crescent Ave., Revere, Mass	
1AA	Stackpole, Leroy E	53 River St., Sanford, Me	450

### 76 · BUREAU OF NAVIGATION, DEPARTMENT OF COMMERCE.

## Amateur Radio Stations-First District-Alphabetically by Owners of Stations-Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Watts.
ITU	Stackpole, Nelson B	725 Mineral Spring Ave., Pawtucket, R. I.	250
IVR	Stagg, Uberto K	Noroton Heights, Conn	10
1WP	Stallworth, Henry H	50 Liberty St., Hartford, Conn	8
1GZ	Stansfield, Arthur C	17 Montgomery St., Lawrence, Mass	4
IIB	Stanyan, Starr W	76 Boston Ave., West Medford, Mass	50
1LU	Staples, Loyed E	145 Matheld St., East Bridgewater, Mass	20
1TQ	Stark, William H.	258 Ives St., Providence, R. I	10
1NM	Starkweather, John B	17 Gibson Rd., Newtonville, Mass.,,,,	25
1DL	Steele, Maitland	1202 Park St., West Hartford, Conn	27
1RW	Steeves, Arthur	260 Brighton Ave., Boston, Mass	6
1LN	Sterling, Roy	21 Coral St., Lowell, Mass	10
1CA	Stimson, Robert C	New London, N. H	4
11%	St. James, Robert T	38 Avery Lane, Great Barrington, Mass	77.
1QI	St. James, Vincent	258 1st St., Pittsfield, Mass	771
1QU	Stolba, Nestor W	171 Mt. Vernon St., Fitchburg, Mass	10
1BL	Stone, Clayton P	14 Portland St., St. Johnsbury, Vt	10
1EI	Strang, Paul S. & Olin T.	58 N. Beacon St., Allston, Mass	15
10Q	Struthers, Francis W	Townsend, Mass	44
1BG	Stuart, Hamilton C	12 Main St., St. Johnsbury, Vt	50
ICE	Sturtevant, Foster E	Townsend, Mass.  12 Main St., St. Johnsbury, Vt  60 S. State St., Concord, N. H.	44
INF	Sutcliffe, Raymond S	29 Foster St., Fall River, Mass	5
1TW	Sweet, George A., jr	14 Washington St., Central Falls, R. I	55
1CN	Swift, Leo M	109 Hancock St., Whitman, Mass	18
1AK	Tabbut, Arthur R	6 1st South St., Bar Harbor, Me	25
1KR	Tarr, A. Myron	Gloucester, Mass	
10X	Tarr, Melville S	45 Parker St., Chelsea, Mass	
1BZ	Taylor, George F	Kennebunk, Me	
10D	Taylor, Walter A	73-A Cross St., Somerville, Mass	
1QD	Therrien, Arthur J	213 Walnut St., Lynn, Mass	5
1RH	Thompson, James II	319 South Ave., Whitman, Mass	10
1UI	Thornley, Howard W	7 Belmont St., Pawtucket, R. I	
1TD	Tilley, Henry H	5 Dartmouth St., Newport, R. I	10
1EA	Tillinghast, George II	373 Knight St., Providence, R. I	
10P	Tillson, Francis M	67 Dover St., Whitman, Mass	
1JN	Towne, Harold M	55 Edward Ave., Pittsfield, Mass	
1HB	Travis, Gerald E	63 Tracey Ave., Lynn, Mass	2
INP	Travis, Gerald E	38 Montebello Rd., Jamaica Plain, Mass 11 Clarendon Ave., West Somerville,	05
1LV	Tufts, J. Warren	Mass.	25
1JJ	Tufts Wireless Society	Medford, Mass	. 50
1UK	Tutin, Kenneth A	312 Blackston St., Woonsocket, R. I	10
1JW	Tuttle, William O	146 Pearl St., Somerville, Mass	1
101	Tyrrell, Alanson B	8 Ellis Ave., Medford, Mass	10
1KV	Veeder, Chester F	Goswold, Mass	. 10
1VB	Verbyla, Albert E	7 Center St., Danbury, Conn	
1VS	Viets, Grohman	East Granby, Conn	. 3
1PF	von Colln, Gustaf	44 Flynt St., Quincy, Mass	. 12
1SM	von Colln, Gustaf Wadland, Victor N	16 Lynde Ave., Melrose, Mass	. 50
1QC	Wadsworth, Arthur G	Eastham, Mass	. 10
1VE	Walker, Alva S	69 Dearfield Drive, Greenwich, Conn	. 25
1IV	Walker, Edward C., 3d	60 Fenway St., Boston, Mass	
1KC	Wallace, Ralph H	1192 Morton St., Dorchester, Mass	. 4
1JM	Walter, Elmer H	39 Cleveland St., Melrose, Mass	. 1
1BW	Walton, Harold F	104 Elm St., Montpelier, Vt	. 10
1TC	Ward, J. Stedman	16 John St., Newport, R. I	. 50
1IP	Ware, Stanley P	75 Winthrop St., Everett, Mass	. 30
1MU	Warren, Bertram E	103 Lexington St., Waltham, Mass	. 25
1JI	Watson, Paul W	17 Waverly St., Everett, Mass	. 20
1EB	Watson, William F., jr.	112 2d St., Newport, R. I	. 1

## Amateur Radio Stations—First District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Watts.
1FZ	Weber, John H	12 Russell St., Lewiston, Me	83
1CL	Webster, Fullerton D	12 Hampshire St., Everett, Mass	200
1CR	Wellington, Ellsworth	Lunda St., Waltham, Mass	150
1PP	Welsh, Michael J	98 Tremont St., Melrose, Mass	15
1PH	Werner, Gustave A. F	73 Hollingsworth St., Lynn, Mass	250
1RV	West, Howard E	63 Chestnut Hill Ave., Brighton, Mass	50
1MZ	White, Dallas E	35 Trowbridge St., Cambridge, Mass	100
1BE	White, Earle B	Belfast, Me	100
1QW	White, Thomas C	53 Perkins Ave., Malden, Mass	20
1PD	Whittier, Ellerton W	63 Terrace Ave., Winthrop, Mass	330
1DQ	Wilbur, Arthur E	61 Otis St., Norwich, Conn	260
1GW	Wiley, James D	1548 Beacon St., Waban, Mass	36
1BC	Wilson, Walter F	27 Grand St., South Portland, Me	150
1GF	Wolf, Charles F., jr	62 Division St., Pittsfield, Mass	40
1MM	Wood, Manson E	14 Armory St., Wakefield, Mass	100
1BD	Woodhead, Edward F	56 Summer St., Lewiston, Me	100
1RL	Wright, Wendell L	114 Exchange St., Rockland, Mass	250
1CO	Young, Sumner B	294 Ashmont St., Dorchester, Mass	50
1DG	Yuon, Robert C	543 Stanley St., New Britain, Conn	24
1PS	Zahn, Edward G	11 Enfield St., Jamaica Plain, Mass	21
1MD	Ziegler, Alfred A., jr	36 Greenough Ave., Jamaica Plain, Mass.	250
10Y	Zwinge, Conrad J	776 Winthorp Ave, Revere, Mass	250

### ALPHABETICALLY BY CALL SIGNALS.

Call signal.	Owner of station.	Call signal.	Owner of station.
1AA	Stackpole, Leroy E.	1BH	Martineau, E. Joseph.
1AB	Marden, Frank O.	IBI	Castner, Harold W.
1AC	Brown, Orlando W.	IBJ ·	Somerville, Paul S.
ÎAĎ	Smith, Edward S. C.	iBK	Morse, Walter J.
1AF	Kelsey, Donald L.	IBL	Stone, Clayton P.
1AG	Ray, Charles H.	1BM	Lomnitzer, Frank W.
1AH	Schultz, W. R.	I IBN	Shaw, Raymond H.
1AI	Perry, Horace R.	1BO	Reed, Sherman A.
1AJ	Fabbri, Alessandro.	1BP	Mills, Bruce M.
1AK	Tabbut, Arthur R.	1BQ	Hackett, Harry S.
1AL	Anderson, Harold W.	IBŘ	Robinson, B. C.
1AN	Pratt. Rhama W.	1BS	Rolph, Henry D.
1AO	Pickles, Joseph A.	1BT	Rusack, Sidney L.
1AP	Johnson, Ernest B.	IBU	Hoyt, Lowell P.
1AQ	Claflin, Harold M.	iBV	Cusick, Howard.
1AR	Rich, Marion.	1BW	Walton, Harold F.
1AS	Rochelau, William H.	1BX	Courtney, Frank T.
1AT	Lawford, Arthur H.	1BY	Lyman, Reginald P.
1AU	Burns, James L.	1BZ	Taylor, George F.
1AV	Sherman, Calvin A.		, 8
1AW	Ham, Earle G.	1CA	Stimson, Robert C.
1AX	Davies, Orel E.	1CB	Hayes, Ralph S.
1AY	Hatch, James F.	icc	Robert, Fortuna.
	·	1CD	Hitchcock, William H.
1BA	Fitts, Harold W.	1CE	Sturtevant, Foster E.
1BB	Gavett, Andrew W.	1CG	Godfray, Carlton T.
1BC	Wilson, Walter F.	1CI	Gray, Walter B.
1BD	Woodhead, Edward F.	1CJ	Hillson, Robert E.
1BE	White, Earle B.	1CK	Onens, Clarence E.
1BF	Gates, Paul H.	icl	Webster, Fullerton D.
1BG	Stuart, Hamilton C.	1CM	McLane, Henry R.

Amateur Radio Stations—First District—Alphabetically by Call Signals—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
1CN	Swift, Leo M.	1EV	Almquist, Fritz A.
ico	Young, Sumner B.	îĒŴ	Phelan, Lawrence T.
îcĕ	Reynolds, Walter W.	îĒX	Haley, James A.
icQ	Reed, Coleman C.	îEŶ	Haffcke, Philip M.
icř		liEŻ	Revere High School.
ics	Wellington, Ellsworth.	1100	Tevere ingh behoof.
	Furlong, Joseph.  Rolmont High School	1FA	Gould, Charles D.
ICT	Belmont High School.	iFB	
ICU	McKay, Preston L.	ifC	Knowlton, Henry E.
ICV	Meirowitz, Harry.		Baker, C. Hall.
ICX	McIntosh, Harold W.	1FD	Burdwood, Otho R.
1CY	Kelley, Lawrence E.	IFE   IFF	Robinson, Laurence B.
1C <b>Z</b>	Bean, Harold W.		Lowell, Philip E.
104	Descriptionald I	1FG	Spinney, Charles E.
1DA	Bacon, Harold L.	1FH	McIntyre, Harris B.
IDB	Peterson, Hans C. W.	1FI	Bernier, Walter J.
IDC	Sheehan, Walter J.	1FJ	Meggison, Wilbur P.
1DD	Robillard, Paul.	1FK	Hatch, Roland J.
	Cowles, Willard B.	1FL	Clark, William T.
1DF	Simsbury High School.	1FM	Meggison, Forrest L.
1DG	Yuon, Robert C.	1FN	Knowlton, Dean W.
1DH	Schrump, Francis E.	1FO	Haley, Osmon.
IDI	Haugh, Charles J., jr.	1FP	Coomba, George T.
1D <b>J</b>	Cole, George E.	1FQ	Macomber, Leroy W.
IDK	Benoit, Ralph J.	1FR	Merrow, Elmer R.
1DL	Steele, Maitland.	1FS	Nash, William A.
1DM	Dewey, Kenneth C.	1FT	Ackley, Edward P.
1DN	Balcom, Loris L.	1FU	Nicholson, James H.
1DO	Nelson, Nels N.	1FV	Hill, Harold F.
1DP	Himes, Norman E.	1FW	Beverage, Harold II.
1DQ	Wilbur, Arthur E.	1FX	Griffin, Stephen A.
1DR	Pranitis, George S.	1FY	Carles, Reginald C.
1DS	Ostlund, Axel F.	1FZ	Weber, John H.
IDT	Edgerly, Albert H., jr.		
1DU	Frost, Russell S.	1GA	Snow, Harold C.
1DV	Fisk, Leonard D.	1GB	Jaques, Louis A.
1DW	Fairchild, Charles R.	1GC	Chadwick, Gilbert L.
1DX	Sandreuter, Stuart.	1GD	Lane, Frederic A.
1DY	Redick, Kenneth T.	1GE	Cressy, Dustin G.
1D <b>Z</b>	Didsbury, Wallace E.	1GF	Wolf, Charles F., jr.
1	• •	1GG	Shirt, Arthur G.
1EA	Tillinghast, George H.	1GH	Nickerson, Arthur B.
1EB	Watson, William F.	l IGI	Higgins, Charles A.
iec	Cosgrove, Fred J.	1GJ	Bradbury, Lawson E.
ied	Hardy, Rodney C.	1GL	Howe, Bradford L.
iee	Larsen, Reidar.	1GM	Allen, J. Wyman.
ief	Bixby, Harold O.	1GN	Dyson, John F.
iEG	Meirowitz, David.	1GO	Morton, Sidney.
iĒĤ	Bloom, Philip H.	1GP	Marsh, Albert A.
iĒĪ	Strang, Paul S. and Olin T.	1GQ	Dunbar, Atherton K.
īĒJ	Robinson, Philip F.	IGŘ	Robinson, Henry S.
ief	Snow, Albert E.	iGS	Hardy, Wilbur H.
iël	Rosenbloom, William.	iGT	Cummings, Francis H.
iem	Peterson, Alexander H.	iğû	Baumann, Howard.
ien	Spring, Joseph H.	iğv	Gavill, Wilbur W.
ieo	Blanchard, Chester T.	iĞW	Wiley, James D.
iep	Crocker, Edmund P.	iGX	French, Walter B.
iEQ	Farnum, Willis H.	iGŶ	Robbins, Harold H.
ier	McCurdy Rruce U	1GZ	Stansfield, Arthur C.
1ES	McCurdy, Bruce H. Deering, Frederick A.	102	beauticia, Armar O.
iet	Dodge, Joseph B.	1HA	Blanchard Daymond C
TL'I	Douge, Joseph D.	iHB	Blanchard, Raymond C.

### AMATEUR RADIO STATIONS—FIRST DISTRICT—ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
1HC	Cheetham, Henry R.	1JP	Knapp, Everett L.
iHĎ	Simmonds, Earle G.	IJQ	Hoffman, Frank E.
ÎHE	Lynde, Kenneth R.	ijŘ	Ruggles, Clifford L.
iHF		ijs	Powers, Leonard S.
ilig	Gardner, Chester R.	ijt	
іĦН	Cogswell, George R. Bushee, Ward H.	มีบิ	Farmer, Edward E.
iHI	Burke, Alan W.	ijv	Cooke, Grover C.
ink			Chisholm, Chesleigh C.
iHL	Sayward, Lyman W.	IJW	Tuttle, William O.
	Sargent, Frederick G.	1JX	Rinaldi, Henry L.
1HM	Hammett, Herbert M.	1JY	Herland, John N.
1HN	Anderson, Daniel H.	1JZ	Lanouette, Kenneth H.
1HO	Bergmann, Malcom P.	1774	Inner Warren D
1HP	Cromack, N. G. N.	1KA	Jepson, Warren F.
IHR	Elliott, Thomas H., jr.	1KB	Edwards, Ralph E.
1HU	Karl, Henry J.	1KC	Wallace, Ralph H.
1HV	Ryan, James A.	1KD	David, Harold E.
1HW	Munroe, Henry W. T.	1KE	Priest, Holden C.
lHY	Bennett, Lawrence S.	1KF	Pennypacker, Thomas R.
1HZ	Duncan, Harrie E.	1KG	Allen, Franklin.
		1KH	Lally, Charles A.
1IA	Richmond, Harold B.	1KI	Loring, Wilfred B.
1IB	Stanyan, Starr W.	1KJ	Anderson, Arvid E.
iic	Keller, Adrian C.	1KK	Pettey, Raymond A.
lID	Kehoe, Francis.	1KM	Meekin, William J.
lie	Paton, Raymond.	1KN	Froberger, Laurence G.
iIF	Leighton, Harold M.	1KO	Bowen, Harold C.
lIG	Patten, Ernest L. O.	1KP	Fuller, Perry D.
IIH	Fuller, Clarence C.	1KQ	Armstrong, James B.
iII	Jennings, W. Francis, jr.	ikr	Tarr, A. Myron.
īĪĴ	Fassitt, Andrew J., jr.	IKS	Boy Scouts of America, Troop
iîk	Dallin, Edwin B.		Reading, Mass.
iîL	Pierce, Robert.	1KT	Knight, Oscar F.
iim	Macondald, Erving L.	îKÛ	Bowen, Earl H.
iin	Lamson, Horatio W.	îKV	Veeder, Chester F.
iio	Mosher, Clifton E.	ikw	Beering, Herbert A.
iip	Ware, Stanley P.	ikx	Batcheller, Arthur.
iir		îKŶ	Canfield, Donald T.
	Butterfield, George W.	îKZ	
IIS	Leach, George F.	1 1 1 1	Nichols, John S.
IIT	Canning, Richard H.	1T A	Damington Vonnath E
IIU	Shattuck, George E.	1LA	Remington, Kenneth F.
IIV	Walker, Edward C., 3d.	1LB	Blume, Carl T.
lIW	Beckvold, Melvin P.	1LC	Bowen, Arthur N.
IIX	Ohlson, Olof.	1LD	Isherwood, William L.
IIY	Baxter, Horace M.	1LE	Corney, Chester A. Barrett, Bradford L.
IIZ	St. James, Robert T.	1LF	Barrett, Bradford L.
		1LG	Ballon, Willis H.
l <u>JA</u>	Nock, Herbert T.	1LH	Dickson, William E.
IJB	Hovenden, Herbert C.	1LI	Dwight, Harrison W.
JC	Parker, John A.	1LK	Haskins, Frederic C.
IJD	Collins, W. Lovejoy.	1LL	Justice, Francis C.
JE	Bushway, George F.	1LM	Scott, Kenneth G.
IJF	Snow, Albert E.	1LN	Sterling, Roy.
IJG	Pratt, Fearing.	1LO	Donovan, Arthur B.
JH	Sleeper, Dorman D.	1LP	Knight, Hugh C.
IJI	Watson, Paul W.	1LQ	Bennett, William F., jr.
īJJ	Tufts Wireless Society.	ILŘ	Brigham, Everett R.
ĴΚ	Batchelder, Hugh M.	1LS	Runey, Leon C.
ijĹ	Gahm, Sebastian, jr.	līLT	Scott, Ralph A.
IJM	Walter, Elmer H.	îLÛ	Staples, Loyed E.
IJÑ	Towne, Harold M.	∥ îLv	Tuits, J. Warren.
ijo	Campbell, James S.	îĽw	Jackson, Edward W.

Amateur Radio Stations—First District—Alphabetically by Call Signals—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
1LX	McMahon, William G.	10Н	Flanders, Fred F.
îLŸ	Moulton, Albert B.	IOI	Tyrrell, Alanson B.
īLŽ	Murphy, Dudley B.	iŏj	Beecher, George E.
	marphy, Dadiey D.	IOM	Payson, Gilbert R., jr.
1MA	Irwin, Samuel D.	ION	Readio, George U.
1MB	Boudette, Clayton M.	100	Smith, Kirk E.
1MC	Baylies, Milton A.	IOP	Tillson, Francis M.
IMD	Ziegler, Alfred A., jr.	IŎQ	Struthers, Francis W.
IME	Angell, Otis P.	iŏ8	Copland, H. Depew.
1MG	Goodwin, A. R.	IOT	Heap, Sheldon S.
1MH	Griffin, Barte J., jr.	ĩov	Southwick, Arthur M.
1MI	Birdsall, Elmer S.	liŏw	Stackhouse, Walter T.
1MJ	Judkins, Nathaniel B.	liŏx	Tarr, Melville S.
1MK	Johnson, Thurston A.	IŎŸ	Zwinge, Conrad J.
1ML	Lyon, William H.	liŏz	Doe, Charles S.
1MM	Wood, Manson E.	102	Doc, onarros s.
1MN	Pennell, Leon	1PC	Drake, Ervin T., jr.
1MO	Ostrander, Freeman K., jr.	ÎPĎ	Whittier, Ellerton W.
1MP	Purssell, Clarence V.	iPF	von Colln, Gustaf.
1MQ	Jewett, Leroy R.	îPii	Werner, Gustave A. F.
1MŘ	Roddin, Thomas.	ÎPÎ	Knight, Maurice E.
1MS	Rowell, Kendall B.	ĨPĴ	Pratt, Walter L.
1MU	Warren, Bertram E.	îPK	Loheed, William J., jr.
1MV	Caldwell, George W.	îPM	Hartwell, E. G.
1MW	Linn, Harold W.	ÎPO	Reed, Leslie S.
1MX	Batchelder, Earl C.	ÎPP	Welsh, Michael J.
1MY	Eales, Malcolm A. L.	IPS	Zahn, Edward G.
1MZ	White, Dallas E.	ÎPT	Clayton, Henry C.
	(11110, 211111111111111111111111111111111	ÎPŪ	Fearing, Sumner E.
1NA	Andonegui, Lane.	ÎPV	Folsom, Rolfe A.
1NB	Blanchard, Ralph N.	îPX	Murphy, Harry J.
INC	Ekwall, George O.	îPY	Murphy, Harry J. Pulley, Lester A.
IND	Bellis, Clifford B.	îPZ	Ranlett, Frederick J., jr.
1NE	Coleman, Benj. B. B.		
1NF	Sutcliffe, Raymond S.	1QA	Nyquist, Norman A.
1NG	Marshall, T. Stanley.	IQB	Saunders, George B.
1NH	Hilliard, Dana S.	IQC	Wadsworth, Arthur G.
1NI	Bailey, Stanley M.	∥ īQĎ	Therrien, Arthur J.
1NJ	Greeley, Francis B. Coogan, Thomas P.	IQE	Chace, Myron D.
1NK	Coogan, Thomas P.	1QF	Nash, Paul.
1NL	. Curtis, Samuel	1QG	Edmester, Earle C.
1NM	Starkweather, John B.	1QH	Melvin, Arthur W.
1NN	Ingalls, George A.	1QI	St. James, Vincent.
1NO	Sharpe, Floyd H.	1QK	Black, William R.
1NP	Travis, Gerald E.	∥ QM	Proulx, George H.
1NQ	Getchell, Melvin D.	1QN	Bowditch, Frederic C., jr.
1NR	Gerrish, Kenneth B.	1QO	Morton, Adelbert R.
1NS	Hyde, Irving B.	1QP	Holt, Clarence G.
1NT	Lynch, John P.	1QQ	McGrath, Joseph L.
1NU	Campbell, Harold G.	∥ 1QŘ	Clark, Wesley C.
1NW	McDermott, Joseph H.	1QT	Sperling, John G., jr.
1NX	Garfield, Harold E.	1QU 1QV	Sperling, John G., jr. Stolba, Nestor W.
1NY	Lovis, Donald B.	1QV	Heyman, Harry.
1NZ	Leutz, Charles R.	IQW	White, Thomas C.
		∥ 1QX	Spaulding, Ralph H.
10A	Kenison, Arthur C.	1QZ	Danehy, Edward J.
10B	Daggett, Royal S.		
10C	Gisburne, Edward A.	1RA	Howard, George E.
10D	Taylor, Walter A.	1RB	Murphy, Denis L.
10E	Hamiltin, Charles F.	1RC	Papkee, Edward D.
10F	Eldredge, Clarence R.	1RD	Ericson, Arthur E.

AMATEUR RADIO STATIONS—FIRST DISTRICT—ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	
1RE	MacLeod, Charles M.	1TO	Newton, Raymond C.	
iRF	Pennypacker, Thomas R.	ÎTP	Jensen, Leonard C.	
iRG	Buffinton, William H.	ÎTQ	Jensen, Leonard C. Stark, William H.	
1RH	Thompson, James H.	ÎÎŘ	Briggs, Darrah.	
iRI	Gawler, H. C.	its	Clarkson, Charles N.	
iRJ	Drew, William E.	itt	Soney, Henry C.	
iRK	Johnson Flmer C	î <b>T</b> ับ	Stackpole, Nelson B.	
iRL	Johnson, Elmer C. Wright, Wendell L.	îTV	Hale, Edward E.	
iRM	Clements, William B.	itw	Sweet, George A., jr.	
iRN		ΪΤΫ́	Champlin, Albert R.	
iRo	Ege, John.	itz	Lisker, William.	
iRP	Fernald, Wilder A. Randall, Eugene F.	112	Disker, William.	
iRQ	Sistare, Donald B.	1UA	Hargraves, Harold T.	
iRŘ	Rusk, Ian M.	iŭB	Pease, Reginald M.	
iRT	Snow, Raymond A.	IUD	Gates, Harold S.	
iRU	Norcross, Warren.	IUE	Jette, George E.	
iRV	West, Howard E.	iug	Bigelow, Fred C.	
iRW		iŭn	Lear, George F.	
iRX	Steeves, Arthur. Shorey, G. Faxon.	ivi	Thornley, Howard W.	
iRY		iŭk	Tutin, Kenneth A.	
iRZ	Newcomb, Roland D. Gallagher, Edward J.	liŭĹ	Allen, Edwin B.	
11621	Canagner, Edward J.	I TUM	Flint, Carl O.	
ISA	Sias, Cyril W.	IUN	Pekham, J. Wallace.	
ISB	Brock, William C.	iuo	Doyle, John B.	
isc	Lipson, Edward.	IUP	Classical High School.	
isd	Olivor Horbort W	IÜQ	Barth, Karl E.	
ISE	Oliver, Herbert W.	l iut	Gavitt, Lester E.	
isf	Phillips, Henry D. Garrett, John D.	liuu	Clark Robert S	
ISG	Dies Polnh W	IUV	Clark, Robert S. Perry, Foster N. Ellis, John W.	
ISH	Rice, Ralph W.	luw	Filia John W	
isi	Parmelee, Albert O.	iux	Hull, Elliott B.	
isj	Alger, James W.	IUZ	Learned, Alpha A.	
isk	Coit, Jeffery V.	102	Dearned, Alpha A.	
isl	Geer, Laurence P. Bearse, Edwin W.	1VA	Hendrickson, Verner A.	
ISM		∥ îŸB	Verbyla, Albert E.	
ISN	Wadland, Victor N.   Colton, Robert H.	ÎVE	Walker, Alva S.	
iso	Cash, Wilson H.	îvn	Lawson, Allan.	
ISP	Bayliss, Joseph.	îvî	Slawson, Spencer W.	
iso	Hayes, Clifford R.	∥ îÿĹ	Belknap, Edward L.	
isř	Robinson, Alfred L.	∥ ivm	Angelo, Anthony A.	
iss	Gawler, Leonard M.	ivn	Miner, Robert S.	
ist	Decker, J. Raymond.	îvô	Haskell, Shirley D.	
išu	O'Brien, David W.	∥ i̇̀v̇̀ó	Haskell, Shirley D. Horsfall, George W.	
išv	Burton, H. R.	∥ īṽŘ	Stagg, Uberto K.	
išw	Hersey, Ralph H.	ivs	Viets, Grohman.	
isx	Moore, George M.	ΟŤ	Smith, Lewis J.	
isz	Hayward, Edward E., jr.	īvū	Morse, Harold J.	
102	nuy wata, nawa ni, ji.	īvv	Gillespie, Eugene.	
1TA	Anderson, Caleb J.	ivw	Delage, George C.	
ITB	Mulvihill, Francis A.	IVX	Schmidt, Paul O.	
itc	Ward, J. Stedman.	IVY	Pember, Harold N.	
iτĎ	Tilley, Henry H.	îvz	Butler, James T.	
ite	Sparrow, Edward C.	1		
itř	Allenson, George T.	1WA	Bueb, John J., jr.	
ÌТĠ	Manchester, Arthur W.	iwc	Coleman, William F.	
ITH	Manuel, Lloyd.	îwd	Holbrook, Richard F.	
iti	Horgan, T. Francis.	iwe	Baldwin, James P.	
iΤĴ	Johnson, Alexander R.	iwg	Clark, Bradford J.	
-10			Sam, Chin King.	
lTL	Flint, Carl O.	1WH	I Sam. Unin King.	

2457°-15-6

### Amateur Radio Stations—First District—Alphabetically by Call Signals—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
IWK IWL IWM IWN IWO IWP IWQ IWR	Palmor, Rae C. Chase, Harry. Hunn, Edward B. Neuhaus, Theodore F. Simkin, Colin. Stallworth, Henry H. Conner, John A. Sawtelle, Donald F.	1WS 1WT 1WU 1WV 1WW 1WX 1WY	Hitchcock, Howard A. Salzgeber, John W. Loomis, Harold C. Blanke, Donald C. Maurer, Frank T. Powell (Miss), Cecil. Hoggson, Wallace. Bradin, Jack H.

#### 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 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.
			Watts.
2AEF	Abrams, Milton F., jr	386 Scranton Ave., Lynbrook, N. Y	300
$2\Lambda\Lambda$	Adams, Everett L	22 Stockton St., Bloomfield, N. J	250
2TQ	Adams, E. William, jr	392 Franklin St., Bloomfield, N. J	12
2LX	Adelphi College	St. James and Clifton Pl., Brooklyn, N.Y.	500
$2\Lambda\Lambda\Upsilon$	Adickes, Ernest D	173 W. Ridgewood Ave., Ridgewood, N. J.	770
2VQ	Agnoli, Justus J	16 Purvis St., Long Island City, N. Y	12
2VG	Ahrens, Harry E	794 Gravesend Ave., Brooklyn, N. Y	250
2LA	Alfaro, Richard F	730 Riverside Drive, New York, N. Y	880
2US	Allstrom, F. Condit	46 Chestnut St., East Orange, N. J	360
2WI	Anderson, Robert N	353 Warburton Ave., Yonkers, N. Y	30
2MM	Apgar, Charles E	549 Carleton Rd., Westfield, N. J	450
2UR	Arany, Leo	123 W. 112th St., New York, N. Y	500
21P	Ashmall, William E., jr	11 Pavonia Ave., Arlington, N. J	250
2MR	Atwater, Frank G., jr	1562 E. 15th St., Brooklyn, N. Y	100
2NY	Austrian, Ralph B	49 St. Nicholas Ter., New York, N. Y	450
2RW	Baily, Hobart W	Harrison, N. Y	165
2LO	Baker, William N	881 Montgomery St., Jersey City, N.J	20
2GM	Ballard, J. Adams	73 Macon St., Brooklyn, N. Y	24
2BD	Banta, Theodore C	76 Walnut St., Ridgewood, N. J	16
2PC	Barriette, Samuel L	311 Macon St., Brooklyn, N. Y	30
2GB	Bartlett, Bernard W	507 Westfield Ave., Westfield, N. J	500
2LF	Bartlett, Charles H	774 Jefferson Ave., Brooklyn, N. Y	12
2VP	Bartsch, Henry W	130 Cedar St., Kingston, N. Y	15
5C1	Bathgate, Walter E	102 High St., Passaic, N. J.	60
2ADV	Bazensky, Joseph I	307 Berriman St., New York, N. Y	30
PAFZ	Beaton, John D., jr	1183 Clay Ave., New York, N. Y	50
2EJ	Bechtlofft, Claude B	106 Walnut St., Ridgewood, N. J	500
2BN	Beebe, L. S	1143 Albany St., Schenectady, N. Y	800
2ACX	Beeken, William S	Fanwood, N. J	500
2M V	Bell, Arthur E	92 Elizabeth St., West New Brighton, N. Y.	32
2WN	Beller, William A. G	588 Essex St., Brooklyn, N. Y	90
2AGA	Belsky, Walter	1134 Findlay Ave., New York, N. Y	20
LQ	Belt, Charles B	145 W. 57th St., New York, N. Y	100
2LL	Benedict, Alonzo R	Newburgh, N. Y.	48
HB	Bennett, Russell W	Fair Haven, N. J.	9
TE	Bentzig, Victor II	165 Woodmere Pl., Richmond Hill, N. Y	20
PN	Berger, H. C. V. B.	33 Pennington Ave., Passaic, N. J	550
AFB	Berlin, Benjamin	1252 Flatbush Ave., Brooklyn, N. Y.	220

AMATEUR RADIO STATIONS—SECOND DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
909	Demand Tomas I	orgo Diagram Anna Davida N. V.	Watts.
2QS	Bernard, James L	2523 Ditmas Ave., Brooklyn, N. Y	24
2NT	Bernstein, Arthur W	220 1st Ave., Mt. Vernon, N. Y	
2MS	Berri, Herbert	497 E. 17th St., Brooklyn, N. Y	500
2LB	Bertine, Edwin K	57 S. 2d Ave., Mt. Vernon, N. Y	220
2MN	Betts, Philander H	238 Valley Rd., Montclair, N. J.	20
2JZ	Bicak, Edward T	357 E. 72d St., New York, N. Y	9
2MU	Bigelman, Herbert C	139 Springfield Ave., Rutherford, N. J	
2ABD	Bilms, Charles A	86 Clark Ave., Ocean Grove, N. J	30
2WW	Blackburn, Walter G Blackford, Harold W Blauvelt, William M	42 Point St., Yonkers, N. Y	24
2QB	Blackford, Harold W	220 Park Ave., Plainfield, N. J	440
2CR	Blauvelt, William M	198 Main St., Nyack, N. Y	340
2SP	Bleilevens, Gerhardt	318 33d St., Woodcliff-on-Hudson, N. J	550
2GI	Bockelmann, Charles F.	1679 42d St., Brooklyn, N. Y	10
2AFA	Bodkin, Laurence G	290 Clinton Ave., Brooklyn, N. Y	15
2JD	Boeder, Arthur R	3430 Duncomb Ave., New York, N. Y.	1,000
2PY	Bogardus, Henry L	427 Bergen Ave., Jersey City, N. J. 1515 2d Ave., New York, N. Y. 274 2d Ave., Newark, N. J.	500
2TP	Bohn, William	1515 2d Ave. New York, N. Y	240
ŽVL	Bond, Arthur M	274 2d Ave Newark N. J.	35
2AEK	Brainard, Edward S	400 W. Franklin Ave., Ridgewood, N. J	1,000
2LW	Breen, Thomas J	353 E. 193d St., New York, N. Y	30
2AJ	Brenner, Alexander	995 Westchester Ave., New York, N. Y	155
2AAS	Brick, Frank K., jr	50 Avenue B., Bayonne, N. J	500
2AFC	Broggini, Claud	2605 9th Ave. New York N V	15
2CL	Brooklyn Telegraph School.	2605 8th Ave., New York, N. Y	72
2FU		510 W 112th St. Now Vorle N. V.	30
2FF	Brooks, L. Van V Brower, Harold S	510 W. 113th St., New York, N. Y	50 50
2JH	Brown, David S., jr	19 S. Clinton St., Poughkeepsie, N. Y 206 W. 86th St., New York, N. Y	
	Drawn Dhilin T	1000 Crond Concessor New York N. V.	500
2VM	Brown, Philip T	1808 Grand Concourse, New York, N. Y.	990
2KD	Browne, Walram S	1565 E. 12th St., Brooklyn, N. Y 2049 63d St., Brooklyn, N. Y	1,000
2JR 2VD	Bruce, Edmond Bruell, Joseph P	69 S. Lexington Ave., White Plains,	250 880
OATT	Davies Charter W	N. Y.	20
2AU	Bryan, Chester W	79 Elm St., Montclair, N. J	32
2AF	Bryant, Marquis V	6 S. Highland Ave., Nyack, N. 1	500
2MH	Buchanan, William F	128 Market St., Perth Amboy, N. J 5 W. 117th St., New York, N. Y 42 Grant Ave., Kearney, N. J	24
2ACN	Bucheister, Morris	5 W. 117th St., New York, N. Y	100
2NN	Buck, David E	42 Grant Ave., Kearney, N. J	30
2NL	Bucknam, John R	4 Hemiock Fi., New Rochene, N. 1	
2CT	Bunn, Milo B	110 Rockland Ave., Yonkers, N. Y 1415 55th St., Brooklyn, N. Y	250
2HK	Burrows, Henry P	1415 55th St., Brooklyn, N. Y	24
2ACQ	Cadmus, Le Roy G	96 Forest Ave., Glen Ridge, N. J	30
2WK	Caggiano, Carmine J	245 Pacific St., Brooklyn, N. Y	12
2RL	Camp, Victor F	96 Forest Ave., Glen Ridge, N. J. 245 Pacific St., Brooklyn, N. Y. Brightwaters, N. Y.	1,000
2ES	Campbell, Robert, jr	117 Marshall St., Elizabeth, N. J	180
28X	Cannon, George C	183 Drake Ave., New Rochelle, N. Y	1,000
2QK	Caskey, Kenneth B	415 Ft. Washington Ave., New York, N. Y.	275
2ÃDB	Cawman, David L	1531 Sewell Ave., Asbury Park, N. J	15
2VN	Charles, Chester A	629 Springdale Ave., East Orange, N. J	40
2FE	Cheel, Harold W	35 Corsa Ter., Ridgewood, N. J	495
2D8	Clark, Le Roy	Chestnut St., Englewood, N. J	880
ZAAK	Cockaday, Laurence M.	227 Audubon Ave., New York, N. Y	350
2MY	Cohen, Edwin K	601 W 149th St. New York N Y	275
2PS	Cohen, Samuel	601 W. 149th St., New York, N. Y 1936 Pitkin Ave., Brooklyn, N. Y	32
		2071 5th Ava Naw Vork N V	440
208	Cohen, Walter	2071 5th Ave., New York, N. Y	
2ACB	Collinge, James N Collins, Frank J	406 Central Park West, New York, N. Y. 22 Cedar St., Yonkers, N. Y	36
2TZ	Collins, Frank J	22 Uedar St., Ionkers, N. I	40
2RT	Collinson, Jesse G	70 Cherry St., West Orange, N. J	60
2KN	Collison, Percy B	172 Maple St., Brooklyn, N. Y	500
2HW	Combes, Rae	28-A E. 42d St., Bayonne, N. J	30

Amateur Radio Stations—Second District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station	Location of station.	Power.
			Watts.
2ADY	Cooper, William S	566 53d St., Brooklyn, N. Y	24
2HF	Coote, Charles W	240 Audubon Ave., New York, N. Y	250
2AQ	Corson, David N	51 Berkeley Ave., Newark, N. J	300
2IG	Corwin, George E	46 Hanford St., Middletown, N. Y	10
2LD	Cotter, William F	68 Oakland Ave., Jersey City, N. J	220
2VK	Covert, James D	40 Glenwood Rd., Upper Montclair, N. J.	300
2IT	Cowles, Charles W	140 Innis Ave., Poughkeepsie, N. Y	30
2RI	Cowper, Norman C	Lynbrook, N. Y	275
2AER	Crinnion, Edward T. J	63 Mt. Hope Pl., New York, N. Y	1 6
2DP	Crocker, Frank H	11 Broadway, Rockville Center, N. Y	20
2GJ	Cronemeyer, Edmund G.	1201 Vyse Ave., New York, N. Y	30
2EM	Crosby, Roy C	211 W. 148th St., New York, N. Y	30
2ADM	Crosby, Warner N	Saddle River, N. J.	32
2ABF	Crozier, Edward A	Fair Haven, N. J	36
2KJ	Cummings, Frank X	2132 Washington Ave., New York, N. Y.	24
2ADT	Cushman, Charles D., jr.	137 Davis Ave., New Brighton, N. Y	15
2DI	Cyriax, Ernest A	219 E. 71st St., New York, N. Y	25
2GG	Dahlgren, Birger A	1652 41st St., Brooklyn, N. Y.	18
2BJ			30
2CE	Dahms, Herbert	21 Manitou Ave., Poughkeepsie, N. Y   313 James St., Peekskill, N. Y	
2AD	Dain, John W	145 Newell Ave. Dutherford N. I.	880
	Dammers, Albert	145 Newell Ave., Rutherford, N. J	1,000
2AAI	Dartiguenave, Henry P.	659 W. 179th St., New York, N. Y	10
2ADP	Davis, Clarence F	809 Park Pl., Brooklyn, N. Y	12
2CX	Davison, Walter H., jr	22 N. Park Ave., Rockville Center, N. Y.	18
2NA	Dawley, Earle R	86 Henry St., Passaic, N. J	30
2KK	Day, Howard B	503 A Constant Ave., Westneid, N. J	758
20D	Debuchy, Edmund A	591-A Summit Ave., West Hoboken, N.J.	15
2ACJ	de Calahorra, Amadeo S.	146 W. 65th St., New York, N. Y	100
2FC	Decker, Harold A	323 Church St., Poughkeepsie, N. Y	12
2AFN	Decker, Ralph W. E	21 Valley Rd., White Plains, N. Y	1,000
2VS	Decker, Ralph W. E	7 Odell Ave., White Plains, N. Y	1,000
2JX	De Cortin, Gustav A	16 Elm St., Mt. Vernon, N. Y	30
2HH	Dederick, H. C	46 N. 5th St., Hudson, N. Y	72
2TL	de Forest, Edward L., jr.	Garden City, N. Y	30
2HQ	Dehler, Adolph	144 E. 84th St., New York, N. Y	30
2AAB	Deitz, Burr V	Slingerlands, N. Y	80
2JT	Dennis, Frederick F	Fair Haven, N. J	36
2AS	De Yoe, Willard L	689 Broadway St., Paterson, N.J	250
2TC	Dickenson, Henry E	91 Greenridge Ave., White Plains, N. Y.	250
2CN	Dickey, Edward T	1649 Amsterdam Ave., New York, N. Y	220
2VY	Diehl, John F	311 3d Ave., New York, N. Y	30
2GY_	Dietz, Walter	13 Sherman Ave., Yonkers, N. Y	12
2AFE	Dix, Harold S	115 Harrison Ave., Westfield, N. J	250
2ABO	Dodd, H. Hanson	131 Clarewill Ave., Upper Montclair, N. J.	24
2RO	Dodds, Andrew C	132 S. Swan St., Albany, N. Y	55
2ML	Donovan, Etienne S	255 Circuit Rd., New Rochelle, N. Y	30
2AV	Dooley, John J	751 Linton Ave., New York, N. Y	24
2EA	Dooley, John J Doty, Walter P	478 W. 145th St., New York, N. Y	250
2EU	Droste, George T	1309 Pugsley Ave., New York, N. Y	210
2IY	Dugan, Edward W	631 Jersey Ave., Jersey City, N. J	15
2TN	Dunham, Clarence L Dunham, John S	250 Woodlawn Ave., Jersey City, N. J 22 Buckingham Rd., Brooklyn, N. Y	330
2ACV	Dunham, John S	22 Buckingham Rd., Brooklyn, N. Y	231
2PR	Dynner, Eugene	207 26th St., Guttenberg, N. J	550
2RG	Earle, William P., jr	White Plains, N. Y	550
2AI	Eber, John G	5505 3d Ave., Brooklyn, N. Y	30
2ADE	Eckler, Harry D	54 Pleasant Ave., Walden, N. Y	30
2QJ	Eckley, Harold J	Beechmont Pk., New Rochelle, N. Y	50
ŽPG	Eckstein, William J	35 W. 177th St., New York, N. Y	500
2JI	Eddy, Leonard E	295 Hackensack Rd., Ridgefield Park, N.J.	30
			500

## AMATEUR RADIO STATIONS—SECOND DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
		•	Watte.
2AEH	Edwards, Joseph B	236 Linden Ave., Brooklyn, N. Y	500
2LE	Egolf, Richard S	1060 41st St., Brooklyn, N. Y	30
2IQ	Elliott, Paul C	162 E. 66th St., New York, N. Y	500
2RG	Elrae Mfg. & Trading Co.	White Plains, N. Y	550
2EP	Engelhart, Lawrence	INEW LIGHT IN Y	250
2ET	England, George B	917 St. Nicholas Ave., New York, N. Y	432
20C	Erasmus Hall High School.	Flatbush Ave., Brooklyn, N. Y	250
2ADH	Escrich, James P	234 Warren St., Jersey City, N. J.	250
2UF	Evens, Arthur F	246 Emerson Pl., Brooklyn, N. Y	12
2ABI	Everitt, William L	246 Emerson Pl., Brooklyn, N. Y	25
2IC	Everitt, William L Faraon, Adolph J	808 West End Ave., New York, N. Y	550
2JK	Faraon, Rene J	808 West End Ave., New York, N. Y	440
2GD	Farquharson, John S	540 W. 158th St. New York N. Y.	280
2ĬB	Feeney Walter	540 W. 158th St., New York, N. Y 515 McLean Ave., Yonkers, N. Y	880
2ADQ	Feeney, Walter Felix, Edgar	528 Riverside Drive, New York, N. Y	220
2GA	Felsenheld, James D	The Armory East Orange N J	550
2MZ	Ferguson, James B., jr	The Armory, East Orange, N. J	30
2AK	Ferris, Howard E	1885 Franklin Ave Nutley N. I	24
2CY	Ferris, Malcolm	Sesside Park N. J.	440
2AEM	Fishoff, Louis A	210 E 114th St. New York N Y	15
2DD	Fitzgerald, Gordon P	Seaside Park, N. J. 210 E. 114th St., New York, N. Y. 611 W. 141st St., New York, N. Y. 1405 Park St. Bookskill N. Y.	250
2VU	Flandreaux, Cyrus	1425 Park St., Peekskill, N. Y	800
2RU	Fletcher, Jordon J	Lynbrook, N. Y	660
2WB	Foretti Howard I	7421 Norrowe Ave New York N V	102
20I	Fogetti, Howard J Folks, Leslie E	Lynbrook, N. Y	60
2TB	Ford, Everett J.		12
ŽQC	Ford, Fullerton	318 Randolph Ave., Jersey City, N. J 2479 Bedford Ave., Brooklyn, N. Y	30
2IR	Foulke, J. Brion, jr	Babylon, N. Y	20
2WM	Fowler, Jack B	676 Lincoln Pl., Brooklyn, N. Y	24
2KM	Francis Charles E	1882 70th St. Rrooklyn N. Y	18
2WS	Francis, Charles E Francis, Leo A	1662 70th St., Brooklyn, N. Y	30
2VZ	Frederick, G. Bentley	102 Maple Ave., Port Richmond, N. Y 112 Mason St., Schenectady, N. Y	300
2JN	Freeland Wilhur W	34 Roldwin Ava Nawark N I	550
2IX	Freeland, Wilbur W Freeman, Robert J	Southampton N Y	30
2VV	French, Edward	34 Baldwin Ave., Newark, N. J. Southampton, N. Y. 1216 Lincoln Ter., Peekskill, N. Y.	16
2JF	Frey, Anthony C	370 E. 153d St., New York, N. Y	8
2PE	Fritch, Vincent J	939 College Ave New York N Y	15
2ABE	Frost, Jacob	939 College Ave., New York, N. Y 1531 2d Ave., New York, N. Y	60
2VJ	Furman, Robert S	How Shore N V	60
2GF	Gabrielson, Henry M	230 53d St. Brooklyn N V	60
2QG	Gale, Rowland A	540 W 158th St. New York N V	260
2LT	Galvin, Lee R.	230 53d St., Brooklyn, N. Y. 540 W. 158th St., New York, N. Y. 193 Fairview Ave., Jersey City, N. J.	18
2ÜP	Gannon, J. Kimball	517 Park St., Upper Montclair, N. J	100
2ABY	Gardner, William E	Adams, N. Y.	500
2VR	Gassaway, Julian L	Bay 8th St. and Bath Ave., Brooklyn, N. Y.	24
2FX	Gedney, Ray Van Duyne	25 Columbia Ave., Woodhaven, N. Y	550
2ADD	Gelina, C. J	Chatham, N. Y	250
2AY	Gittelbauer, Frederick	38 Vreeland St., East Rutherford, N. J	500
2TV	Glenn, George	251 E. 236th St., New York, N. Y	250
2JU	Goette, C. J	1256 Hatch Ave., Woodhaven, N. Y	500
2AX	Goldhorn, L. B	1256 Hatch Ave., Woodhaven, N. Y 54 11th Ave., Mt. Vernon, N. Y	500
2AFU	Goll, Robert E	1710 Caton Ave., Brooklyn, N. Y	500
2KY	Goodchild Electrical Co.	237 Greenwich St., New York, N. Y	500
2AAX	Goodell, John B	1710 Caton Ave., Brooklyn, N. Y 237 Greenwich St., New York, N. Y 108 Loraine Ave., Upper Montclair, N. J. 4 Overlook Ave., Ridgewood, N. J	990
2UN	Graham, Malcolm	4 Overlook Ave., Ridgewood, N. J	500
2EB	Gray, Frank F	Madison Bldg., Montclair, N.J	1,000
2PV	Grebe, Alfred H	Madison Bldg., Montclair, N. J	1,000
2BK	Green Adenimom I	73 Paterson St., Paterson, N. J	60

# Amateur Radio Stations—Second District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Power
			Watts
2QQ	Green, Irving W	85 Clerk St., Jersey City, N. J	20
2LP	Green, Raymond J	1352 St. Nicholas Ave., New York, N. Y.	200
2KL	Gregory, Arthur V	197 High St., Perth Amboy, N. J	250
2BX	Grieshaber, George T	819 S. 17th St., Newark, N. J	13
2AGI	Grumbacher, Walter		6
2ADN	Gutmann, Bernard	Peekskill, N. Y	1 2
2HJ	Hadden, Weston	1716 Albemarle Rd., Brooklyn, N. Y	46
2KR	Hallenbeck, Charles	1150 54th St., Brooklyn, N. Y	5
2UQ	Hallett, E. Douglas	86 Prospect Pl., Rutherford, N. J	3
2EÑ	Halligan, James W	328 E. 19th St., New York, N. Y	li
2AFV	Halsey, Edward G., jr	200 Smith St., Peekskill, N. Y	1 2
2CW	Ham, Frank H	Cornwall-on-the-Hudson, N. Y	23
2PX	Hamilton, Albert G., jr .	Larchmont, N. Y.	25
2EW	Hamilton, Joseph E	16 W. Broadway, Port Chester, N. Y	3
2FK	Hamilton, Ralph	358 Willet Ave., Port Chester, N. Y	3
20A	Hammond, Lester	2107 Procedurar New York N V	3
		2187 Broadway, New York, N. Y	
2CQ	Hampe, Bernard A	120 Woohawkan St. Wast Walter N. I	4
2DW	Hansen, Carl A	130 Weehawken St., West Hoboken, N. J.	3
2AE	Happe, William H	566 W. 162d St., New York, N. Y	100
2FQ	Hardwick, Ambrose H	224 Oakwood Ave., Orange, N. J.	1,00
2GH	Hardy, Myles	218 W. 64th St., New York, N. Y	2
2FZ	Harris, Charles C	Elliott Pl., Freeport, N. Y	25
2ACE	Harrison, John B	112 Broad St., Bloomfield, N. J	_3
2FY	Hartman, Robert	596 W. 178th St., New York, N. Y	50
2MA	Hasbrouck, Earl	Walkill, N. Y	84
2SM	Hatry, William B	71 Orange St., Brooklyn, N. Y	30
2ACW	Hattermuller, Theodore.	34 S. Railroad Ave., Middletown, N. Y	20
2JC	Hawkins, Ernest W	224 Depew St., Peekskill, N. Y	1
2NG	Hayden, Thomas J	224 Depew St., Peekskill, N. Y	1,00
2KC	Hayes, Frank X. J	l 162 E. 82d St., New York, N. Y	4
2BM	Heermance, Earle	523 State St., Hudson, N. Y	50
2AFJ	Heinsohn, Frederick E	1 442 S. 4th Ave., Mt. Vernon, N. Y	2
2ABB	Held, William J	110 Elliot Ave., Yonkers, N. Y	
2ABX	Helken, Emil W	430 Mott Ave., New York, N. Y	3
2PW	Hellman, Abraham E	424 E. 138th St., New York, N. Y	1
2FJ	Helwig, Herman F	711 E. 18th St., Brooklyn, N. Y	25
2ACT	Hendricks, Miles S	Lloyd, N. Y	2
2FO	Hendrickson, Verner A	340 Beekman Ave., New York, N. Y	] 3
2AT	Herdin, Rudolph	465 Harrison St., Passaic, N. J	50
2AFP	Hershey, Raymond	117 Newell Ave., Rutherford, N. J	20
2AGJ	Hewitt, John K	Quail and Bradford Ste Albany N V	88
2WE	Heydon, Albert R	Quail and Bradford Sts., Albany, N. Y 403 Decatur St., Brooklyn, N. Y	2
ŽUO	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	4
2LJ		Pod Ronk N I	52
	Hoagland, Raymond	Red Bank, N. J	
2AFK	Hocmer, Edwin C., jr		
ZEK	Hoernel, Paul	Babylon, N. Y	22
NS	Hoffman, Paul J	1688 2d Ave., New York, N. Y	3
ZAFM	Holmes, George	158th St. & Harlem River, New York, N.Y.	10
PAFO	Holmes, George	164 W. 146th St., New York, N. Y	88
2ADW	Homan, Carroll L	Sayville, N. Y	١ ,
2NF	Homan, Eber J	336 52d St., Brooklyn, N. Y	3
2LY	Hoover, Raymond	496 Belmont Ave., Newark, N. J	25
2MP	Hopkinson, Russell	110 Washington St., East Orange, N. J	1,00
2MF	Hoppock, Allen H	215 Clark St., Westfield, N. J	50
2NH	Horn, Charles W	Broadway, Far Rockaway, N. Y	25
20 <b>J</b>	Horning, Robert H	29 Westfield Ave. E., Roselle Park, N. J	88
2AFW	Hornung, Julius L	203 E. 64th St., New York, N. Y	4
2HU	Hotchkiss, Grosvenor		

# AMATEUR RADIO STATIONS—SECOND DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Watts.
211	Howell, Walter J	135 Edgecombe Ave., New York, N. Y	60
2ABT	Hulse, L. Mortimer	9 James St., Middletown, N. Y	500
2ADC	Humphreys, Ferdinand	319 W. 82d St., New York, N. Y	20
2ADL	Hunkins, Carl J	123 Hillside Ave., Newark, N. J	20
2ACD	Hunkins, Carl J Hunter, Thomas F	1102 W. 2d Ave., Asbury Park, N. J Tilton Ave., Red Bank, N. J	385
2EG	Hurd, John B	Tilton Ave., Red Bank, N. J	250
2EF	Hurd, Theodore	Tilton Ave., Red Bank, N. J	24
2HL	Huyler, Rollin M	809 St. Nicholas Ave., New York, N. Y	50
2AB	Hyde, George G	Roslyn, N. Y	600
2UJ	Innes, Richard C	343 W. 29th St., New York, N. Y	60
2NQ	Isaacson, Charles B	48 W. 89th St., New York, N. Y	660
2LS	Jablousky, William	553 E. 134th St., New York, N. Y	60
2EX	Jackson, Benjamin B	188 Montross Ave., Rutherford, N. J	770
2EE	Jacobs, Charles F	279 Park Pl., Brooklyn, N. Y	40
2ADU	Jakobson, Irving D	370 Senator St., Brooklyn, N. Y	36
2IK	Jensen, Martin	27 Grant Ave., Yonkers, N. Y	500
2VC	Johnson, Theophilus, jr	17 3d St., Woodside, N. J.,	48
2RV	Johnson, W. Eugene	Grant Ave., East Rockaway, N. Y	20
2SO	Johnston, James E	1379 Clay Ave., New York, N. Y	400
2AAL	Johnstone, George W	1379 Clay Ave., New York, N. Y	30
20Y	Jones, Frank	IOIT DIULIBUICE DU., ITCWAIE, IV. J	24
2AO	Jones, Robert O	237 Newark Ave., Bloomfield, N. J	32
2BP	Jordan, John Patrick	333 3d Ave., New York, N. Y	24
2AAQ	Judson, Joseph E	89 3d St., Keyport, N. J. 150 Alta Ave., Yonkers, N. Y. 1348 Boone Ave., New York, N. Y.	30
2BC	Kaltenbach, Henry J., jr.	100 Alta Ave., 1 onkers, N. I	65
2FV	Kaplan, Louis A	1348 Boone Ave., New York, N. I	30
2ABH   2VT	Kavanagh, John	1920 Anthony Ave., New York, N. Y	800
2WA	Kayser, Herbert Keers, John K	41 Convent Ave., New York, N. Y 224 81st St., Brooklyn, N. Y	250
2QX	Keller, George C	2181 Richmond Turnpike, Port Rich-	350
	1	mond, N. Y.	
20N	Kellow, James C	144 Liberty Ave., Jamiaca, N. Y	1,000
2NJ	Kennedy, Harold J	51 Bainbridge St., Brooklyn, N. Y	24
2AEQ	Kennedy, Harold J Kienzle, Henry A Kilmer, Theron W	419 E. 79th St., New York, N. Y	15
2KX	Kilmer, Theron W	165 W. 85th St., New York, N. Y	24
2QD	King, Wendell W	778 1st Ave., Upper Troy, N. Y	550
2FI	King, Wendell W Kirkpatrick, Louis W	317 6th Ave., Newark, N. J.	12
2AEC	Kleinberger, Richard	239 Bement Ave., West New Brighton, N: Y.	24
2DH	Knapp, Samuel	89-A Cooper St., Brooklyn, N. Y	72
2AET	Knopf, Richard	89-A Cooper St., Brooklyn, N. Y 3048 Decatur Ave., New York, N. Y	108
2VF	Koch, Edward	168 Willis Ave., New York, N. Y	60
NP	Koenig, George F	4279 Webster Ave., New York, N. Y 1009 Walker Ave., Woodhaven, N. Y	250
28F	Kollock, Alan S	1009 Walker Ave., Woodhaven, N. Y	36
ZAAP	Kollock, Arnett W	427 Decatur St., Brooklyn, N. Y	24
2BR	Krech, Karl G	316 Godwin Ave., Midland Park, N. J.,	495
2SQ	Kreeft, Raymond A	10 Elm St. West Orange, N. J.	30
2KA	Kroener, Christian E	115 Watchung Ave., Plainfield, N. J	270
2AAR	Kroger, Ernest G	Hartsdale, N. Y	270
2ADS	Laffenandre, Gaston W	115 Watchung Ave., Plainfield, N. J Hartsdale, N. Y Sayville, N. Y	20
2PU	Lalley, Joseph F	16 Short St., Coytesville, N. J	100
2 <b>JJ</b>	Landshof, R. W	30 Hasbrouck Pl., Rutherford, N. J	10
2HX	Lane, David M	343 9th St., Jersey City, N. J	24
2TY	I and Goorge	120 Academy St. Poughkaansia N. V.	30
2J8	Lane, George Larkin, James S	66 E. 56th St., New York, N. Y	660
2WD	Lasher, Charles E	166 E. 56th St., New York, N. Y. 253 Decatur St., Brooklyn, N. Y. 411 Spring St., West Hoboken, N. J. Jackson Ave., Nyack, N. Y. 105 Bay 29th St., Bensonhurst, N. Y.	24
2AAM	Laug, Ernest	411 Spring St., West Hoboken, N. J	30
2MB	Lawrence, George J., ir	Jackson Ave., Nyack, N. Y	16
2NE	Laborita Compal	105 Ray 20th St. Banconhuret N. V.	440

Call signal.	Owner of station.	Location of station.	Powe
m (V	T. O. N. Ol. 4 - D.	OV. L. I. W. W.	Wat
2MX	Le Gallez, Clayton B	Slingerlands, N. Y	4
2FL	Lehmann, August, jr	1520 56th St., Brooklyn, N. Y	
2AFR	Lehmann, Erich W. G	36 Steuben St., East Orange, N. J	2
2WG	Lemkie, Harry A	30 Delaware St., Elizabeth, N. J	5
2IE	Lemmon, Walter S	319 W. 94th St., New York, N. Y	
2AAV	Le Tarte, Augustin J	346 McClellan St., Schenectady, N. Y	. 6
PAGK	Lewis, Edward H	2021 Morningside Ave., New York, N. Y.	
2AEW	Leyh, William	1867 Himrod St., Brooklyn, N. Y	
2AGC	Lindgren, Richard N	2081 S. Blvd., New York, N. Y	
21V	Lindsay, Russell	39 N. 16th St., East Orange, N. J	
RABR	Lorini, Osmun W	96 Highland Ave., Yonkers, N. Y	. 2
2VI	Loub, Arthur F	445 E. 88th St., New York, N. Y	. /
2BB	Lounsberry, Isaac R	13 Edward St., Ossining, N. Y	. 5
ED	Lowe, Graham von S	262 W. 77th St., New York, N. Y	
BZ	Lyman, C. Glenn	Babylon, N. Y	1
HO	Lyons, William B	Babylon, N. Y Broad St., Bloomfield, N. J	1,0
ACK	MacBride, William D	107 Oak St., Jersey City, N. J	
ABS	Mack, Burtis D	Pleasantville, N. Y	1,0
WY	MacLeod, Myron R	530 5th St., Brooklyn, N. Y.	1 -,
FW			
ABM	MacPherson, Claude V	557 W. 144th St., New York, N. Y	1 '
	Magennia, Arthur K	Edgewater, N.J	١.
OAAO	Maguire, Howard S	814 Lancaster St., Albany, N. 1	- 2
DK	Maguire, Nelson	317 E. ITHE St., New YOR, N. I	-
ACS	Maier, John C	215 Union Ave., Bound Brook, N. J	
KE	Maloney, Joseph T	164 E. 82d St., New York, N. Y	-
$\mathbf{G}\mathbf{Q}$	Manning, Charles T	81 N. Maple Ave., East Orange, N. J 126 Piermont Ave., Nyack, N. Y	-
JQ	Manning, Walter B	126 Piermont Ave., Nyack, N. Y	-
AGB	Marchant, Ralph	2711 Creston Ave., New York, N. Y	
OX	Mardon, F. Herbert	1309 West Farms Rd., New York, N. Y.	.1
GX	Mason, Samuel F	Keyport, N. J	
AFD	Massimo, Albert	Bayside, N. Y	
AAG	Maurer, Edward W	53 Osborn St., Keyport, N. J.	
SG	May, Fred	143 High St., Montclair, N. J	
TD	Mayer, Arthur C	319 W. 139th St., New York, N. Y	
AGG	Mayer, Warren J	157 Elm St., Elizabeth, N. J	
HP	Mayhew, B. Allen, jr	Tenafly, N. J	
vx	McCarthy, George W	1012 Sutter Ave., Brooklyn, N. Y.	1
IL	McClintock, George C	319 Dudley Ave., Westfield, N. J.	: :
HA		45 Lee Ave., Yonkers, N. Y	1
	McCoy, Daniel	45 141 of Ct. Now Vools N. V.	. 1,
BY HM	McHugh, John A	455 141st St., New York, N. Y	-
	McKee, Clarence A	821 E. 216th St., New York, N. Y.	-
EY	McKinney, Fred J	300 Glenwood Ave., Bloomfield, N. J	-
LG	McLaughlin, Frederick L	242 Nostrand Ave., Brooklyn, N. Y	-
PI	McLoughlin, Robert J	105 Francisco Ave., Rutherford, N. J	
AEO	McMonagle, Daniel J	571 59th St., Brooklyn, N. Y	-
LI	Meacham, Frederick C. jr		-
NV	Meder, George C	990 1st Ave., New York, N. Y	
OF_	Meier, Robert A	Lynbrook, N. Y	.
AAW	Meinecke, Ernest	27 Zabriskie St., Jersey City, N. J	.
AAE	Mekeel, Arthur H	Lloyd, N. Y	.
AW	Melville, Richard T	501 Sixth St., Brooklyn, N. Y	.1
SL	Merrill, J. Stewart	Lynbrook, N. Y	1,
NO	Merritt, Frank	28 Spring St., Red Bank, N. J.	
ÖĞ	Meuke, Charles H	135 Corlies Ave., Asbury Park, N. J.	1
QŽ	Meyer, Charles A	Fair Haven, N. J.	
ĚL	Meyer, William E		
IF		181 W. 63d St., New York, N. Y	
ACY	Miller, Eugene B	4 New Vanderbilt Ave., Jamaica, N. Y.	. 1,
	Miller Fred W	12 Hicks Ave., Winfield, N. Y	1
ADI	Mitchell, Clifford E Moles, Charles E	19 wainut St., Walden, N. Y	
2NI	M.I. OL. I. D	229 Valentine Lane, Yonkers, N. Y	1

# AMATEUR RADIO STATIONS—SECOND DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
	40		Watts.
2WU	Moore, H. Atherton	95 Prospect St., Nutley, N. J	1,000
2BI	Morgan, Waller V	95 Prospect St., Nutley, N. J	24
2MI	Morris, Earle S	1192 Dean St., Brooklyn, N. Y	500
2LN	Morrison, Clifford P	365 Warburton Ave., Yonkers, N. Y	1,000
2MT	Moses, Abram W	270 E. 161st St., New York, N. Y	10
2PO	Mott, Harold	67 Mott Ave., Far Rockaway, N. Y	500
2HY	Muckenhaupt, Carl F	317 Church St., Poughkeepsie, N. Y	15
2AG	Mulford, Harold C	6 Weekes Ave., Oyster Bay, N. Y	440
2AFY	Muller, Herbert W	203 E. 71st St., New York, N. Y	30
2SK	Murray, Charles	Great Notch, N. J	250
2AFQ	Murray, Stephen A	401 Manhattan Ave., New York, N. Y	18
2FT	Murray, William E	521 N. James St., Peekskill, N. Y	30
2ABA	Myers, Austin S	129 Wallace Ave., Mt. Vernon, N. Y	812
2JL	Mylod, Frank V	14 North Ave., Poughkeepsie, N. Y	27
2GU	New York Catholic Pro-	Walker Ave., New York, N. Y	108
	tectory.		
2NW	New York School of	2-14 W. 125th St., New York, N. Y	500
	Telegraphy.	100 1m/3 4 TD / 37 T	- 00
2ADR	Nightingale, John J	103 17th Ave., Paterson, N. J	20
2WF	Nolan, Frank J	100 Linden Ave., Bloomfield, N. J	18
2CH	Norton, Joseph G	334 Bergen St., Brooklyn, N. Y	48
2OL	O'Brien, Laurence J	285 E. 157th St., New York, N. Y	15
2CK	O'Brien, Thomas	7 Nassau Ave., Freeport, N. Y	880
2KU	Oehmen, Oscar	987 Jefferson Ave., Brooklyn, N. Y	12
2ABW	Olsen, Arthur C	1046 Summit Ave., New York, N. Y	30
2ACP	Olson, Alfred E	4035 Park Ave., New York, N. Y	45
2BU	Olson, Oscar A	948 Stebbins Ave., New York, N. Y	60
2HS	O'Mara, Edward F	134 W. 66th St., New York, N. Y	12
2GW	Orben, Howard E	93 Speedway Ave., Newark, N. J.	500
2QU 2MO	Osborne, J. Spencer	45 Broad St., Newark, N. J	40
2AFT	Ostman, Frederick B Oudin, C. Folger	7 Union St., Schenectady, N. Y	1,000
2RE	Pacent, L. Gerard	397 Van Pelt St., Long Island City, N. Y.	550
2AEX		999 Esplanade, Pelham Manor, N. Y	150
2NK	Paige, John S	18 14th Ave., Mt. Vernon, N. Y	30
2DY	Palm, J. Adam	48 W. 50th St., New York, N. Y	880
2GK	Pate, W. Schuyler	4 Florence Ave., Edgemere, N. Y	1,000
2AFS	Patton, Norman E	257 W. 92d St., New York, N. Y	24
2AZ	Pearl, Eugene S	307 Gregory Ave., Passaic, N. J	500
2WH	Pearsall, Arthur R	197 Warburton Ave., Yonkers, N. Y	330
2GO	Peltier, Paul D	345 W. 70th St., New York, N. Y	30
2AEA	Pendleton, Archibald F.	49 Pendleton Pl., New Brighton, N. Y	1,000
2MD	Pendleton, Harold A	799 Quincy St., Brooklyn, N. Y	16
2AAZ	Pennell, Vere F	15 Baldwin St., Newark, N. J	6
2ADZ	Perkins, William J	425 75th St., Brooklyn, N. Y	500
2FM	Perkins, William P	35 Grant Ave., Yonkers, N. Y	24
2HG	Peters, Frank J	Broad St., Bloomfield, N. J	715
2AEJ	Pettit, Mortlock S	88 Fanshawe Ave., Yonkers, N. Y	250
2FA	Pfeifer, Clarence H	306 Prospect St., Ridgewood, N. J	550
2NZ	Pfeil, A. Leslie	242 Cottage St., Irvington, N. Y	325
2WJ	Pflomm, George M	1829 Topping Ave., New York, N. Y	30
2UX	Phelan, Charles W	61 Powell Ave., Rockville Center, N. Y	50
2RX	Picken, James C., jr	2287 University Ave., New York, N. Y	500
2GZ	Plate, Fred W	91 Van Reypen St., Jersey City, N. J	36
2KW	Plummer, James A	340 Orient Way, Rutherford, N. J	30
2CZ	Poe, Vergil C	862 Sterling Pl., Brooklyn, N. Y	30
2ACL	Pohlman, Lauren V	424 Brandywine Ave., Schenectady, N. Y.	200
2ACC	Poling, Gifford	Keyport, N. J.	30
2UM	Poling, Russell H	Keyport, N. J.	500
2WC	Pollock, J. Millard	34 Clifton Pl., Brooklyn, N. Y	30

Amateur Radio Stations—Second District—Alphabetically by Owners of Stations—Continued.

2PF 2AEY 2RJ 2CP 2CD 2CD 2CD 2CD 2CD 2CD 2CD 2CD 2CD 2CD			
2PF 2AEY 2AEY 22RJ 22RJ 22OP 22DL 22CD 22ABV 2EI 2NX 2TK 2AFG 2AFG 2AFG 2ACF 2ACF 2ACG 2ACT 2ACG 2ACU 2ACG 2ACU 2ACG 2ACU 2ACG 2ACU 2ACG 2ACU 2ACG 2ACU 2ACG 2ACU 2ACG 2ACU 2ACG 2ACU 2ACG 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU 2ACCU			Watts.
2AEY 2RJ 2CM 2COP 2CDL 2CD 2CD 2CD 2CD 2CD 2CD 2CD 2CD 2CD 2CD	Poole, William C	53 Maple St,, Yonkers, N. Y	32
2AM 2OP 2OL 2CD 2ABV 2EI 2CTK 2AED 2HC 2AFG 2AFG 2ACF 2AKCF 22AV 2ACF 22RB 2AAT 2ACG 22KB 22KB 22KB 22KB 22KB 22KB 22KB 22K	Pope, Frederick B	24 Carroll St., Yonkers, N. Y	440
2AM 2OP 2OP 2DL 2ABV 2EI 2ENX 2EI 2AED 2HC 2AFG 2AFG 2AFG 2AFG 2AFG 2AFG 2AFG 2AFG		24 Carroll St., Yonkers, N. Y	24
ZAM POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POP CONTROL POPE CONTROL POPE CONTROL POPE CONTROL POPE CONTROL PO	Poppele, Jacob, jr Porter, Charles A	1700 Ditmas Ave., Brooklyn, N. Y	440
20 P 20 L 20 P 20 L 20 P 20 P 20 P 20 P 20 P 20 P 20 P 20 P	Preiss, Charles E	415 Central Ave., Brooklyn, N. Y	18
2DL 2CD   1 2ABV   1 2ABV   1 2ABV   1 2ABV   1 2AEC   1 2AFG   1 2AFG   1 2ACF   1 2A	Prendergast, Robert M	i 1/4 4th bt Union Course, N. 1	36
20 D 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 20 BV 2	Price, Henry 8	435 Clinton Ave., Brooklyn, N. Y	500
2ABV   12   2   2   2   2   2   2   2   2	Promer, Roger D	Englewood, N. J.	30
2EI	Pulsifer, Frederic K., jr.	353 Ridgewood Ave., Glen Ridge, N. J.	30
2NX 2PX 22X 2	Quick, Henry C	471 75th St. Brooklyn N Y	500
2TK 2AED 2HC 2HC 2HC 2HC 2AFG 2OE 2ABZ 2V 2ACF 2ACF 2RH 2RH 2ACG 2ACU 2IS 2JM 2KF 2WK 2UU 2UC 2UC	Quinn, Herman M	471 75th St., Brooklyn, N. Y	30
2AED   12HC   12	Randolph, Randolph A.	558 W 165th St. New York N Y	250
2HC: 2AFG   1   2AFG   2   2   2   2   2   2   2   2   2	Rappolt, Frank A	1879 Morris Ave., New York, N. Y	i
2AFG   1   20E   1   20E   1   22ABZ   1   22BB   1   22ACG   22ACU   22IS   22IM   22KF   22WK   22UC   22	Raque, ('arl P	92 Rooman Ava James City N J	330
20E 2ABZ 2JV 2ACF 2RH 2RH 2AEI 2ACG 2ACG 2ACU 2JIS 2JIS 2JIS 2JIS 2JIS 2JIS 2US 2US 2US 2VE	Dattner Menuel	82 Boorsem Ave., Jersey City, N. J 36 Union St., Poughkeepsie, N. Y Freeport, N. Y	25
2ABZ 2JV   1 2ACF   1 2RH   1 2RE   1 2AEI   1 2ACG   1 2AC	Rattner, Manuel	The same of W	1,000
2JV 2ACF 2RH 2RH 2RB 2AEI 2AAT 2ACG 2IS 2JM 2KF 2WX 2LC 2UC 2VE	Raynor, Sinclair L	Vormort N. I	1,000
2ACF   1   2   2   2   2   2   2   2   2   2	Regan, ('laude	Keyport, N. J	12
2RH   1   2RB   1   2ACH   1   2AACH   1   2ACG   1   2   2   2   2   2   2   2   2   2	Reich, Herbert J	79 IUII OL., New Dorp, N. I	500
2RB   1 2ACI   1 2ACT   1 2ACU   1 21S   1 2JM   1 2KF   1 2UC   1 2CC   1 2VE   1	Reichman, John T	Belford, N. J.	
2AEI 2AAT 2ACU 2ACU 218 2JM 2KF 2WK 2UC 2UC 2CC	Reiss, Lester	580 W. 161st St., New York, N. Y	250
2AAT   1 2ACG   1 2ACU   1 2IS   1 2JM   1 2KF   1 2WX   1 2CC   1 2VE   1	Reuman, William H	480 9th Ave., New York, N. Y	525
2ACG   1 2ACU   1 2IS   1 2JM   1 2KF   1 2WX   1 2LC   1 2CC   1 2VE   1	Reynolds, Albert S	222 S. Clinton St., East Orange, N. J	15
2ACU   1 2IS   1 2JM   1 2KF   1 2WX   1 2LC   1 2CC   1 2VE   1	Reynolds, Palmer W	3 N. Terrace Ave., Mt. vernon, N. 1	24
2IS   1 2JM   1 2KF   1 2WX   1 2LC   1 2CC   1 2VE   1	Reynolds, Thomas A	l 16 Camp Woods Rd., Ossining, N. Y	30
2JM 2KF 2WX 2LC 2CC 2CC	Richardson, John R	16 Culver St., Yonkers, N. Y	15
2JM 2KF 2WX 2LC 2CC 2VE	Ricketts, Percy E	Babylon, N. Y	250
2KF 2WX 2LC 2CC 2VE	Rigby, Joseph, jr	905 E. 19th St., Paterson, N. J	18
2WX 2LC 2CC 2VE	Ritchie, Edmond W	905 E. 19th St., Paterson, N. J	930
2CC   1	Ritter, Irving W	1438 McCormick Ave., Ozone Park, N. Y.	18
2CC   1	Roberts, A. Perry	Tenafly, N. J	500
2VE	Roberts, Harold S	647 Flatbush Ave., Brooklyn, N. Y	20
2KT	Robertson, Gus	125 Hunter Ave., Long Island City, N. Y	36
	Robertson, Merle E	98 Piermont Ave., Nyack, N. Y	16
2HE   ]	Rock, Leroy W Rodenbach, John F	1901 December Ded Bank N. I	12
2IU   1	Rodenbach, John F	1542 Elmore Pl., Brooklyn, N. Y	24
2ACO	Rogers, John	13 W. 100th St., New York, N. Y	66
2ADG   1	Rosa, Harry D	1542 Elmore Pl., Brooklyn, N. Y	42
2FN	Roth, August F	2316 Gleason Ave., New York, N. Y	30
2TH	Roth, August F Roy, James A. S	59 Park Ter West Orange N. J.	30
ZIA j	Royce, Winfred A	59 Park Ter., West Orange, N. J	500
	Runyon, Carman R., jr	563 Palisade Ave., Yonkers, N. Y	1,000
	Rupert, S. E. G	107 2d Ave Pelham N Y	1,000
2GP   1	Rutherford, T. Bruce	42 Hawthorne St. Brooklyn N. Y.	24
ŽĎE I	Ruttmann, Ferdinand	107 2d Ave., Pelham, N. Y	250
	Ryan, Lester F	18 Kosciusko St., Brooklyn, N. Y	18
	Sacha Hamild	701 Madison Ava Naw Vork N V	250
2HN	Sachs, Harold Sands, Walter H	701 Madison Ave., New York, N. Y	110
2SB	Sangrae Ernest M	1907 Ditmes Ave Brooklyn N V	28
	Sangree, Ernest M	1807 Ditmas Ave., Brooklyn, N. Y	32
	Saxton, Herbert	4645 Control Asso. Dishmond Hill N. V.	36
2SU S	Sayres, Ralph A	410 Village Assa Deshaille Conten N. V.	770
	Schabbehar, Edwin A	215 Bidwell Ave., Jersey City, N. J 4645 Central Ave., Richmond Hill, N. Y. 412 Village Ave., Rockville Center, N. Y. 2027 Webster Ave., New York, N. Y	45
	Schaefer, Charles	1407 Northand Ave. Desalter N. V.	105
2AAN 8	Schaeffer, Adolph Schanck, Henry 8	1487 Nostrand Ave., Drooklyn, N. I	500
OIO	Schamer had Comment	92 Main St., Keyport, N. J	220
	Scharrenbeck, George H.	126 W. 1st St., Mt. Vernon, N. Y	
	Schedler, Herbert D	148 Nelson Ave., Jersey City, N. J 35 Grasmere Ave., Grasmere, N. Y	350
	Schell, Richard, jr	55 Grasmere Ave., Grasmere, N. Y	350
2AGL   S	Schenone, John	15 lst St., Keyport, N. J	16
	Schermerhorn, Howard F.	211 Orange Rd., Montclair, N. J	300 36

## AMATEUR RADIO STATIONS—SECOND DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power
			Watts.
2ADJ	Schmitt, George P	Blackwell's Island, N. Y	250
2EO	Schneider, Alexander	326 E. 69th St., New York, N. Y	40
2VO	Scholerman, Carl	Pleasantville, N. Y	1,000
2PD	Schomp, Roy	76 Undercliff Ave., Edgewater, N.J	220
2CB	Schram, John, jr	21 Locust St., Brooklyn, N. Y. 500 W. 143d St., New York, N. Y	60
2HI	Schuck, Charles H	500 W. 143d St., New York, N. Y	30
2BH	Schulte, Carl E	67 Oak St., Ridgewood, N. J.	250
2PQ	Schwartz, Max B	1709 St. Johns Pl., Brooklyn, N. Y	24
$2D\tilde{\mathbf{Q}}$	Schwarzkopf, Irving M	138 E. 95th St., New York, N. Y.	500
2KĞ	Schweitzer, William P	6738 2d Ave., Brooklyn, N. Y	8
2ND	Schweizer, Charles L	710 3d Ave., Brooklyn, N. Y.	50
2IN	Scofield, Robert W	87 Macon St. Brooklyn N. V	50
2AN	Sedlak, Conrad J	87 Macon St., Brooklyn, N. Y. 633 Main St., New Durham, N. J. 1832 65th St., Brooklyn, N. Y.	295
2ACM	Socall Louis M	1922 65th St. Brooklyn N. V	32
2DX	Segall, Louis M	221 Dank DI Drooklyn, N. V	50
2MW	Seyd, Ernest K	231 Park Pl., Brooklyn, N. Y	30
	Shafto, J. Robert	For Poolsomer, N. V.	1 000
2NM	Sharp, Watkin W	Far Rockaway, N. Y. 7 Jones Pl., Yonkers, N. Y.	1,000
2ABJ	Shaughnessy, Jack F	201 Ct. Johns Dl. Develler N. I	550
2PZ	Shaw, Horace S	391 St. Johns Fl., Brooklyn, N. 1	250
2CG	Shield, Frederic K	23 Second Ave., Highland Park, N. J	550
20U	Siebert, Walter	1538 E. 15th St., Brooklyn, N. Y	30
2GV	Siegmann, Harry E	36 Davis St., Hempstead, N. Y	750
2AAD	Siegmann, Harry E Silleck, William C	422 Willis Ave., New York, N. Y	18
20H	Skilar, Joseph	354 Cypress Ave., New York, N. Y	30
2GR	Slagel, E. Lester	25 S. 2d Ave., Mt. Vernon, N. Y. South St., Oyster Bay, N. Y. 327 E. 27th St., New York, N. Y.	18
2MK	Smith, Daniel W	South St., Oyster Bay, N. Y	130
2AFX	Smith, Edward J	327 E. 27th St., New York, N. Y	36
2AGF	Smith, Joscelyn E	444 W. 163d St., New York, N. Y	24
2DU	Smith, Joseph T	126 E. 114th St., New York, N. Y	500
2LK	Smith, J. Owen	Valley Stream, N. Y	250
2JP	Smith, Julius J. R	807 Lincoln Pl., Brooklyn, N. Y	12
2ER	Smith, Loughran S	18 Maiden Lane, Kingston, N. Y	15
2 <b>JO</b>	Smith, Nelson V	Lawrence, N. Y	1,000
2AEU	Smith, Ralph C	129 N. 14th St., East Orange, N. J	15
2ABQ	Smith, Robert W.	152 Croton Ave., Ossining, N. Y	18
2KH	Solberg, Walter	152 Croton Ave., Ossining, N. Y	25
2GC	Sonn, Albert E	150 2d Ave., Newark, N. J	550
2RP	Sorgens, Walter M	65 Odell St., Schenectady, N. Y	960
2KZ	Spaulding, Kenneth W	501 Argyle Rd Brooklyn N Y	30
2IM	Spangenberg, Lester	501 Argyle Rd., Brooklyn, N. Y	1,000
2WP	Spannaus, Charles O	660 W. 180th St., New York, N. Y	500
2FD	Spiegel, Walter	1611 1st Ave., New York, N. Y	30
2RF	Springer, C. Meredith	339 Union St., Far Rockaway, N. Y	24
2AAH	Srebroff, Carl	443 E. 88th St., New York, N. Y	30
2FS	Stanley, Howard L	Babylon, N. Y	224
2AGS	Stanton Walter A	782-A Hancock St., Brooklyn, N. Y	18
2AEE	Stanton, Walter A Starrett, John	440 McDonough St., Brooklyn, N. Y	20
2VW	Stainkamp Harold	20 Livett Ave. Venices N. V.	500
	Steinkamp, Harold	89 Hyatt Ave., Yonkers, N. Y	
2LM	Stellman, Alfred	New Bridge, N. J.	500
2AFF	Sterns, Morton W	705 W. 179th St., New York, N. Y	1,000
2AFL	Stevens, Fred	15 Wood Pl., Yonkers, N. Y	25
2UZ	Stewart, G. Edwin	45 Hillside Ave., Rockville Center, N. Y.	220
2ADA	Stimpson, Warren E	1933 Daly Ave., New York, N. Y 513 E. 144th St., New York, N. Y	1,000
2AAC	Storrs, William K	513 E. 144th St., New York, N. Y	60
2JA	Story, Robert K., jr	212 Hancock St., Brooklyn, N. Y	72
2AEV	Strauss, Maurice B	568 5th St., Brooklyn, N. Y	36
2LV	Stutz, E. Waldo	126 Bainbridge St., Brooklyn, N. Y	15
2JG	Tannenbaum, Harold J.	835 W. 113th St., New York, N. Y	18
2AEL	Tannenbaum, Samuel	86 Warburton Ave., Yonkers, N. Y	1,000
2GS	Taylor, George W	171 Alden St., Orange, N. J	500

AMATEUR RADIO STATIONS—SECOND DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

all signal.	Owner of station.	Location of station.	Powe
ACII	Taylor K Allen	576 Madison Ave., Elizabeth, N. J	Wat
AGH	Taylor, K. Allan		١٠
ACZ	Terhune, Frank	167 High St., Passaic, N. J.	2
EC	Thiede, Ferdinand C	486 Decatur St., Brooklyn, N. Y	
PJ	Thomas, Alonzo E., jr	176-A Union St., Jersey City, N. J	
BQ	Tischler, Max	591 Bergen St., Newark, N. J	
PAEB	Tompkins, George F	601 W. 172d St., New York, N. Y	
OR	Tong, Myron A	148 Housman Ave., West Brighton, N. Y.	2
CP_	Totten, Elmer E	95 W. 33d St., Bayonne, N. J	
PAEP	Touroff, Sigmund	1820 Topping Ave., New York, N. Y	5
CF	Traflet, Frederick E	20 Cottage Pl., Yonkers, N. Y	l
PT	Traver, William F	67 Mott Ave., Far Rockaway, N. Y	5
AAJ	Tripp, David R	103 Hugh St., Schenectady, N. Y	€
CAC	Tripp, George B., jr	30 Edgecliff Ter., Yonkers, N. Y	2
PABN	Trube, Carl E	6 Livingston Ave., Yonkers, N. Y	
ZΛΛÜ	Trube, Robert L	Hastings-on-the-Hudson, N. Y	2
FG	Tymeson, Sidney	Hastings-on-the-Hudson, N. Y	
KB	Tyrrell, Randolph E	677 E. 19th St., Brooklyn, N. Y	1
RM	Underhill, Chester R	47 Church St., Montclair, N. J.	
AR	Underhill, George H	78 S. Hamilton St., Poughkeepsie, N. Y.	
HD	Underwood, Kenneth C.		9
		259 Mt. Prospect Ave., Newark, N. J	1 1
AP	Unger, Charles F	Harrison, N. Y	١,
KI	Uphoff, Leslie S	120 Avenue B, Schenectady, N. Y	
OT	Urbain, Ferdinand A	1189 44th St., Brooklyn, N. Y	
OB	Valladares, Frank N	54 Thompson St., Schenectady, N. Y	1
UU	Vanderbilt, Clinton B	5 Jerome Pl., Upper Montclair, N. J	
ABK	Van Meerbeke, C. J., jr.	Hazlet, N. J	
KV	Varetoni, Wm	115 Randolph Ave., Clifton, N. J	l
MG	Vaughan, George W., jr.	115 Randolph Ave., Clifton, N. J 34 S. 9th Ave., Mt. Vernon, N. Y	:
GT	Vegessy, John W	435 E. 6th St., New York, N. Y	8
RZ	Veneman, Peter	36 Watson St., Paterson, N. J	'
ACA	Viering, Harry F	98 Abbott Ave., Ocean Grove, N. J	1
ADX	Vogel, Erwin W	61 S. Blvd., New York, N. Y	1
ACR	Von Thun, Henry B	636 Halsey St., Brooklyn, N. Y	
ADO	Vrooman, Max M	1204 State St., Schenectady, N. Y	١.
		83 Hamilton Ave., Yonkers, N. Y	1
OQ	Wade, J. Melmoth		
AAF	Waelde, William E	424 Church St., Poughkeepsie, N. Y	١.
DO	Wallace, George D	65 Church St., Freeport, N. Y	
ABU	Walton, Fred E	61 Raymond Ave., Rutherford, N. J	
DT	Wandres, Charles T	3411 3d Ave., New York, N. Y	
QP	Ward, John R	160 Garfield Pl., Brooklyn, N. Y	
DN	Warner, Herbert M	Little Falls, N. J	1
MJ	Webb, Frederick F	21 Sprague Ave., Tottenville, N. Y	1
$MQ_{\underline{}}$	Weber, Ernest A	285 S. 2d St., Brooklyn, N. Y	1
ABL	Weigand, Daniel	Hazlet, N. J.	
FH	Weiss, Jacob	5 Adams St., Port Washington, N. Y	1
JE	Wendelstadt, Lucius F	8 Seymour St., Montclair, N. J	1,
CA	Werner, George J	728 W. 181 St., New York, N. Y	
TJ	White, Howard E	1125 Madison Áve., New York, N. Y	1
BW	Whitson, John H		l l
WQ	Willetts, Gilson V	92 Hamilton Ave., Yonkers, N. Y	1
EH	Wilmott, George B	1138 E. 37th St., Brooklyn, N. Y	ı
GN	Wilson, John A., jr	Tenafly N. J.	
QI	Wimpfheimer, Gustave R	Tenafly, N. J	
		205 Church St Poughbassaia N V	
DA	Winn, Arthur H	325 Church St., Poughkeepsie, N. Y	
FP	Woerner, Charles A	247 Union St., Jersey City, N. J.	1
NR	Wohltmann, Henry M	168 W. 55th St., Brooklyn, N. Y	
LZ	Woodrow, William	224 W. 140th St., New York, N. Y	
BV	Woodward, Reginald	84 Amherst St., East Orange, N. J.	
PABC	Woolcott, James V	40 Edgewood Lane, Palisades, N. J	

## AMATEUR RADIO STATIONS—Second DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
2AES 2BE 2HZ 2AEG 2CM 2DB	Wright, Henry O Yerbury, George S., jr Youmans, Chester Ziegler, Edward F Zimmerman, Herman, jr Zucker, Richard D	115 Mountain Ave., Westfield, N. J	36 30

### ALPHABETICALLY BY CALL SIGNALS.

All signal.	Owner of station.	Call signal.	Owner of station.
PAA	Adams, Everett L.	2ABV	Pulsifer, Frederic K., jr.
PAAB	Deitz, Burr V.	2ABW	Olsen, Arthur C.
AAC	Storrs, William K.	2ABX	Helken, Emil W.
AAD	Silleck, William C.	2ABY	Gardner, William E.
AAE	Mekeel, Arthur H.	2ABZ	Regan, Ćlaude.
AAF	Waelde, William E.	2AC	Tripp, George B., jr.
AAG	Maurer, Edward W.	2ACA	Viering, Harry F.
AAH	Srebroff, Carl.	2ACB	Collinge, James N.
AAI	Dartiguenave, Henry P.	2ACC	Poling, Gifford.
AAJ	Tripp, David R.	2ACD	Hunter, Thomas F.
AAK	Cockaday, Laurence M.	2ACE	Harrison, John B.
AAL	Johnstone, George W.	2ACF	Reichman, John T.
AAM	Laug, Ernest.	2ACG	Reynolds, Thomas A.
AAN	Schanck, Henry S.	2ACJ	de Calahorra, Amadeo S
AAO	Maguire, Howard S.	2ACK	MacBride, William D.
PAAP	Kollock, Arnett W.	2ACL	Pohlman, Lauren V.
AAQ	Judson, Joseph E.	2ACM	Segall, Louis M.
ZAAŘ	Kroger, Ernest G.	2ACN	Buchheister, Morris.
PAAS	Brick, Frank K., jr.	2ACO	Rogers, John.
AAT	Reynolds, Palmer W.	2ACP	Olson, Alfred E.
AAU	Trube, Robert L.		Cadmus, Le Roy G.
AAV	Le Tarte, Augustin J.	2ACR	Von Thun, Henry B.
AAW	Meinecke, Ernest.	2ACS	Maier, John C.
AAX	Goodell, John B.	2ACT	Hendricks, Miles S.
	Adiabas Ennest D		
AAY	Adickes, Ernest D. Pennell, Vere F.		Richardson, John R.
AAZ	Hada Carra C	2ACV 2ACW	Dunham, John S.
AB	Hyde, George G.	2ACX	Hattermuller, Theodore.
ABA	Myers, Austin S.		Beeken, William S.
ABB	Held, William J.	2ACY	Miller, Fred W.
ABC	Woolcott, James V.		Terhune, Frank.
ABD	Bilms, Charles A.	2AD	Dammers, Albert.
ZABE	Frost, Jacob.	2ADA	Stimpson, Warren E.
RABE	Crozier, Edward A.	2ADB	Cawman, David L.
ABG	Runyon, Carman R., jr.	2ADC	Humphreys, Ferdinand.
ABH	Kavanagh, John.	2ADD	Gelina, C. J.
ZABI	Everitt, William L.	2ADE	Eckler, Harry D.
ABJ	Shaughnessy, Jack F.	2ADG	Rosa, Harry D.
ABK	Van Meerbeke, C. J., jr.	2ADH	Escrish, James P.
ABL	Weigand, Daniel.	2ADI	Mitchell, Clifford E.
ABM	Magennis, Arthur K.	2ADJ	Schmitt, George P.
ABN	Trube, Carl E.	2ADL	Hunkins, Carl J.
ABO	Dodd, H. Hanson.	2ADM	Crosby, Warner N.
ABQ	Smith, Robert W.	2ADN	Gutmann, Bernard.
ZABŘ	Lorini, Osmun W.	2ADO	Vrooman, Max M.
ZABS	Mack, Burtis D.	2ADP	Davis, Clarence F.
2ABT	Hulse, L. Mortimer.	2ADQ	Felix, Edgar.
ABU	Walton, Fred E.	2ADŘ	Nightingale, John J.

# Amateur Radio Stations—Second District—Alphabetically by Call Signals—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
2ADS	Laffenandre, Gaston W.	2AFZ	Beaton, John D., jr.
		2AG	Mulford, Harold C.
2ADT	Cushman, Charles D., jr.	2AGA	Belsky, Walter.
2ADU	Jakobeon, Irving D.	2AGB	Marchant, Ralph.
2ADV	Bazensky, Joseph I.	2AGC	Lindgren, Richard N.
2ADW	Homan, Carroll L.	2AGF	Smith, Joscelyn E.
2ADX	Vogel, Erwin W.	2AGG	Mayer, Warren J.
2ADY	Cooper, William S.	2AGH	Taylor, K. Allan.
2ADZ	Perkins, William J.	2AGI	Grumbacher, Walter.
2AE	Happe, William H.	2AGJ	Hewitt, John K.
2AEA	Pendleton, Archibald F.	2AGK	Lewis, Edward H.
2AEB	Tompkins, George F.	2AGL	Schenone, John.
2AEC	Kleinberger, Richard.	2AG8	Stanton, Walter A.
2AED	Rappolt, Frank A.	2AH	Edelman, Abraham.
2AEE	Starrett, John.	2AI	Eber, John G.
2AEF	Abrams, Milton F., jr.	2AJ	Brenner, Alex.
2AEG	Ziegler, Edward F.	2AK	Ferris, Howard E.
2AEH	Edwards, Joseph B.	2AM	Preiss, Charles E.
2AEI	Reynolds, Albert S.	2AN	Sedlak, Conrad J.
2AEJ	Pettit, Mortlock S.	2AO	Jones, Robert O.
2AEK	Brainard, Edward S.	2AP	Unger, Charles F.
2AEL	Tannenbaum, Samuel.	2AQ	Corson, David N.
2AEM	Fishoff, Louis A.	2AŘ	Underhill George H.
2AEN	Saxton, Herbert.	2AS	De Yoe, Willard L.
2AEO	McMonagle, Daniel J.	2AT	Herdin, Rudolph.
2AEP	Touroff, Sigmund.	2AU	Bryan, Chester W.
2AEQ	Kienzle, Henry A.	2AV	Dooley, John J.
2AEŘ	Crinnion, Edward T. J.	2AW	Melville, Richard T.
2AES	Wright, Henry O. Knopf, Richard.	<b>   2∧X</b>	Goldhorn, L. B.
2AET	Knopf, Richard.	2AY	Gittelbauer, Frederick.
2AEU	Smith, Ralph C.	2AZ	Pearl, Eugene S.
2AEV	Strauss, Maurice B.		
2AEW	Leyh, William. Paige, John S.	2BB	Lounsberry, Isaac R.
2AEX	Paige, John S.	2BC	Kaltenbach, Henry J., jr.
2AEY	Poppele, Jacob, jr.	2BD	Banta, Theodore C.
2AF	Bryant, Marquis V.	2BE	Yerbury, George S., jr.
2AFA	Bodkin, Laurence G.	2BF	Schell, Richard, jr.
2AFB	Berlin, Benjamin.	2BH	Schulte, Carl E. Morgan, Waller V.
2AFC	Broggini, Claud.	2BI	Morgan, Waller V.
2AFD	Massimo, Albert.	2BJ	Dahms, Herbert.
2AFE	Dix, Harold S.	2BK	Green, Adoniram J.
2AFF	Sterns, Morton W.	2BM	Heermance, Earle
2AFG	Rattner, Manuel.	2BN	Beebe, L. S
2AFH	Schaeffer, Adolph.	2BO	Schermerhorn, Howard F.
2AFI	Schaefer, Charles.	2BP	Jordan, John Patrick.
2AFJ	Heinsohn, Frederick E.	2BQ	Tischler, Max.
2AFK	Hocmer, Edwin C., jr.	2BR	Krech, Karl G.
2AFL	Stevens, Fred.	2BU	Olson, Oscar A.
2AFM	Holmes, George.	2BV	Woodward, Reginald.
2AFN	Decker, Ralph W. E.	2BW	Whitson, John H.
2AFO	Holmes, George.	2BX	Grieshaber, George T.
2AFP	Hershey, Raymond.	2BY	McHugh, John A.
2AFQ	Murray, Stephen A.	2BZ	Lyman, C. Glenn.
2AFR	Lehmann, Erich W. G.	904	Warman Coores I
2AFS	Patton, Norman F.	2CA	Werner, George J.
2AFT	Oudin, C. Folger.	2CB	Schram, John, jr.
2AFU	Goll, Robert E.	2CC	Roberts, Harold S.
2AFV	Halsey, Edward G., jr.	2CD	Prosser, Roger D.
2AFW	Hornung, Julius L.	2CE	Dain, John W.
2AFX	Smith, Edward J.	2CF	Traflet, Frederick E.
2AFY	Muller, Herbert W.	2CG	Shield, Frederic K.

## Amateur Radio Stations—Second District—Alphabetically by Call Signals—Continued.

Callsignal.	Owner of station.	Call signal.	Owner of station.
2CH	Norton, Joseph G.	2FA	Pfeifer, Clarence H.
2CJ	Bathgate, Walter E.	2FC	Decker, Harold A.
2CK	O'Brien, Thomas.	2FD	Spiegel, Walter.
2CL	Brooklyn Telegraph School.	2FE	Cheel, Harold W.
2CM	Zimmermen Hermen in	2FF	
	Zimmerman, Herman, jr.		Brower, Harold S.
2CN	Dickey, Edward T.	2FG	Tymeson, Sidney.
2CP	Totten, Elmer E.	2FH	Weiss, Jacob.
2CQ	Hampe, Bernard A.	2FI	Kirkpatrick, Louis W.
2CR	Blauvelt, William M.	2FJ	Helwig, Herman F.
2CT	Bunn, Milo B.	2FK	Hamilton, Ralph
2CW	Ham, Frank H.	2FL	Lehmann, August, jr.
2CX	Davison, Walter H., jr.	2FM	Perkins, William P.
2CY	Ferris, Malcolm.	2FN	Roth, August F.
2CZ	Poe, Vergil C.	2FO	Hendrickson, Verner A.
	N	2FP	Woerner, Chas. A.
2DA	Winn, Arthur H.	2FQ	Hardwick, Ambrose H.
2DB	Zucker, Richard D.	2FS	Stanley, Howard L.
2DD	Fitzgerald, Gordon P.	2FT	Murray, William E.
2DE	Ruttmann, Ferdinand.	2FU	Murray, William E. Brooks, L. Van V.
2DG	Higgs, Harry Y.	2FV	Kaplan, Louis A.
2DH	Knapp, Samuel.	2FW	MacPherson, Claude V.
2DI	Cyriax, Ernest A.	2FX	Gedney, Ray Van Duyne.
2DJ		2FY	
2DK	Schlitz, Karl W.	2FZ	Hartman, Robert.
T	Maguire, Nelson.	21.0	Harris, Charles C.
2DL	Price, Henry S.	004	Balance I and I former D
2DM	Sachs, Harold.	2GA	Felsenheld, James D.
2DN	Warner, Herbert M.	2GB	Bartlett, Bernard W.
2DO	Wallace, George D.		Sonn, Albert E.
2DP	Crocker, Frank H.	2GD	Farquharson, John S.
2DQ	Schwarzkopf, Irving M.	2GF	Gabrielson, Henry M.
	Clark, Le Roy.	2GG	Dahlgren, Birger A.
2DT	Wandres, Charles T.	2GH	Hardy, Myles.
2DU	Smith, Joseph T.	2GI	Bockelmann, Charles F.
2DW	Hansen, Carl A.	2GJ	Gronemeyer, Edmund G.
2DX	Seyd, Ernest K.	2GK	Pate, W. Schuyler.
2DY	Palmer, Corydon.	2GM	Ballard, J. Adams.
		2GN	Wilson, John A., jr.
2EA	Doty, Walter P.	2GO	Peltier, Paul D.
2EB	Gray, Frank F.	2GP	Rutherford, T. Bruce.
2EC	Thiede, Ferdinand C.	2GQ	Manning, Charles T.
ĒĎ	Lowe, Graham von S.	2GR	Slagel, E. Lester.
EE	Jacobs, Charles F.	2GS	Taylor, George W.
EF	Hurd, Theodore.	2GT	
EG		2GU	Vegessy, John W.
EH	Hurd, John B.	2GV	New York Catholic Protector
	Wilmott, George B.		Siegmann, Harry E.
EI	Quick, Henry C.	2GW	Orben, Howard E.
EJ	Bechtlofft, Claude B.	2GX	Mason, Samuel F.
EK	Hoernel, Paul.	2GY	Dietz, Walter.
EL	Meyer, William E.	2GZ	Plate, Fred W.
EM	Crosby, Roy C.	l	
EN	Halligan, James W.	2HA	McCoy, Daniel.
EO	Schneider, Alexander.	2HB	Bennett, Russell W.
EP	Engelhart, Lawrence.	2HC	Raque, Carl P.
EQ ∣	Schedler, Herbert D.	2HD	Underwood, Kenneth C.
ZEŘ	Smith, Loughran S.	2HE	Rock, Leroy W.
ES	Campbell, Robert, jr.	2HF	Coote, Charles W.
ET	England, George B.	2HG	Peters, Frank J.
ĔŪ	Droste, George T.	2HH	Dederick, H. C.
EW	Hamilton, Joseph E.	2HI	Schuck, Charles H.
ŽEX	Jackson, Benjamin B.	2HJ	Hadden, Weston.
	vice boun a chicking D.	11 4444	

Amateur Radio Stations—Second District—Alphabetically by Call Signals—Continued.

Callsignal.	Owner of station.	Call signal.	Owner of station.
2HL	Huyler, Rollin M.	2KA	Kroener Christian E
2HM	McKee Clarence A	2KB	Kroener, Christian E. Tyrrell, Randolph E.
2HN	McKee, Clarence A. Sands, Walter H.	2KC	Hayes, Frank X. J.
HO I	Lyona William P		
	Lyons, William B.	2KD	Browne, Walram S.
HP	Mayhew, B. Alan, jr.	2KE	Maloney, Joseph T. Ritchie, Edmond W.
2HQ	Dehler, Adolph.	2KF	Ritchie, Edmond W.
PHS	O'Mara, Edward F.	2KG	Schweitzer, William P.
2HU	Hotchkiss, Grosvenor.	∥ 2KH	Solberg, Walter. Uphoff, Leslie S.
HW	Combes, Rae.	2KI	Uphoff, Leslie S.
2HX	Lane, David M.	2KJ	Cummings, Frank X.
HY	Muckenhaupt, Carl F.	2KK	Day, Howard B.
HZ	Youmans, Chester.	ZKL .	
	Toumans, Oncover.	2KM	Gregory, Arthur V.
TA I	Danie Winday		Francis, Charles E.
IA	Royce, Winfred A.	2KN	Collison, Percy B.
ZIB	Feeney, Walter.	2KR	Hallenbeck, Charles.
PIC	Faraon, Adolph J.	2KT	Robertson, Merle E.
PIE	Lemmon, Walter S.	2KU	Oehmen, Oscar.
PIF	Miller, Eugene B.	2KV	Varetoni, Wm.
2IG	Corwin, George E. Howell, Walter J. Jensen, Martin.	2KW	Plummer, James A.
ZII	Howell Walter J	ZKX	Plummer, James A. Kilmer, Theron W.
ik	Janean Martin	ZKY	Goodchild Electrical Co.
	McClintook Coorse C		
ZIL	McClintock, George C.	2.52	Spalding, Kenneth W.
2IM	Spangenberg, Lester.		
ZIN	Scofield, Robert W.	2LA	Alfaro, Richard F.
210	Scharrenbeck, George H.	2LB	Bertine, Edwin K.
2IP	Ashmall, William E., jr.	2LC	Roberts, A. Perry.
2IQ	Elliott, Paul C.	2LD	Cotter, William F.
21Ř	Foulke, J. Brion, jr.	2LE	Roberts, A. Perry. Cotter, William F. Egolf, Richard S.
ZIS	Ricketta Percy E	2LF	Bartlett, Charles H.
ÎT	Ricketts, Percy E. Cowles, Charles W.	2I.G	Mol aughlin Frederick I
	Dedenhark Take E		McLaughlin, Frederick L.
2IU	Rodenbach, John F.	2LH	Sayres, Ralph A.
ZIV	Lindsay, Russell.	2LI	Meacham, Frederick C., j
2IW	Worth, John B.	2LJ	Hoagland, Raymond.
2IX	Freeman, Robert J.	2LK	Smith, J. Owen.
PIY	Dugan, Edward W.	2LL	Benedict, Alonzo R.
- 4	,	2LM	Stellman Alfred
2JA	Story, Robert K., jr.	2LN	Morrison, Clifford P.
ũc l	Hawkins, Ernest W.	2LO	Baker, William N.
ıı dı		2LP	Green Raymond I
	Boeder, Arthur R.		Green, Raymond J.
JE	Wendelstadt, Lucius F.	2LQ	Belt, Charles B.
UF	Frey, Anthony C.	2LS	Jablousky, William.
ZJG	Tannenbaum, Harold J.	2LT	Galvin, Lee R.
IJ <b>Н</b>	Brown, David S., jr. Eddy, Leonard E.	2LV	Stutz, E. Waldo.
IJI	Eddy, Leonard E.	2LW	Breen, Thomas J.
2JJ	Landshof, R. W.	2LX	Adelphi College.
JK	Faraon Rene J	2LY	Hoover, Raymond.
IJĹ	Mylod, Frank V.		Woodrow, William.
	Dighy Togoth in	200	Woodlow, William.
ZJM	Rigby, Joseph, jr.	03/4	Harbanala Basi
jn	Freeland, Wilbur W.	2MA	Hasbrouck, Earl.
NO	Smith, Nelson V.	2MB	Lawrence, George J., jr.
JP	Smith, Julius J. R.	2MD	Pendleton, Harold A.
IJQ	Manning, Walter B.	2MF	Hoppock, Allen H.
JŘ	Bruce, Edmond.	2MG	Vaughan, George W., jr.
is	Larkin, James S.	2MH	Buchanan, William F.
ĩĩ	Dennis, Frederick F.	2MI	Morris, Earle S.
រីបំ	Cootto C I		
	Goette, C. J.	2MJ	Webb, Frederick F.
JV	Reich, Herbert J.	2MK	Smith, Daniel W.
JX	De Cortin, Gustav A.	2ML	Donovan, Etienne S.
JY	Rupert, S. E. G.	2MM	Apgar, Charles E.
ZJZ I	Bicak, Edward T.	2MN	Betts, Philander H.

Amateur Radio Stations—Second District—Alphabetically by Call Signals—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
2MO	Ostman, Frederick B.	2PC	Barriette Samuel L
2MP	Hopkinson, Russell.	$\parallel \mathbf{\tilde{2}PD}$	Schomp Roy
2MQ	Weber, Ernest A.	PE 2PE	Barriette, Samuel L. Schomp, Roy. Fritch, Vincent J.
2MŘ	Atwater, Frank G., jr.	2PF	Pope, Frederick B.
2MS	Berri, Herbert.	2PG	Eckstein, William J.
2MT		2PI	
2MU	Moses, Abram W.	2PJ	McLoughlin, Robert J.
2MV	Bigelman, Herbert C.		Thomas, Alonzo E., jr.
	Bell, Arthur E.	2PN	Berger, H. C. V. B.
2MW 2MX	Shafto, J. Robert.	2PO	Mott, Harold.
	Le Gallez, Clayton B.	2PQ	Schwartz, Max B.
2MY	Cohen, Edwin K.	2PŘ	Dynner, Eugene.
2MZ	Ferguson, James B., jr.	2PS	Cohen, Samuel.
		2PT	Traver, William F. Lalley, Joseph F.
2NA	Dawley, Earle R.	2PU	Lalley, Joseph F.
2ND	Schweizer, Charles L.	2PV	Grebe, Alfred H.
2NE	Lebowitz, Samuel.	2PW	Hellman, Abraham E.
2NF	Homan, Eber J.	2PX	Hamilton, Albert G., jr.
2NG	Hayden, Thomas J.	2PY	Bogardus, Henry L.
2NH	Horn, Charles W.	2PZ	Shaw, Horace S.
2NI	Moles, Charles E.		
2NJ	Kennedy, Harold J.	2QB	Blackford, Harold W.
2NK	Palm, J. Adam.	$\mathbf{\bar{2QC}}$	Ford, Fullerton.
2NL	Bucknam, John R.	$\parallel \bar{2} \widetilde{\mathbf{Q}} \widetilde{\mathbf{D}} = \parallel$	King, Wendell W.
2NM	Sharp, Watkin W.	2QG	Gale, Rowland A.
NN	Buck, David E.	2QI	Wimpfheimer, Gustave R.
NO	Merritt, Frank.	2QJ	Eckley, Harold J.
NP	Koenig, George F.	2QK	Coekey, Harold J.
			Caskey, Kenneth B.
2NQ 2NR	Isaacson, Charles B.		Ward, John R.
	Wohltmann, Henry M.	2QQ	Green, Irving W.
NS	Hoffman, Paul J.	2Q8	Bernard, James L.
NT	Bernstein, Arthur W.	2QU 2QX	Osborne, J. Spencer.
NU	Hill, William S.	2QA	Keller, George C.
NV NW	Meder, George C. New York School of Telegra-	2QZ	Meyer, Charles A.
	phy.	2RB	Reuman, William H.
NX	Quinn, Herman M.	2RE	Pacent, L. Gerard.
NY	Austrian, Ralph B.	2RF	Springer C Meredith
NZ	Pfeil, A. Leslie.	2RG	Earle, William P., jr. (Elrading Co.).
	, · · · · · · · · · · · · · · · · ·		Mfg. & Trading Co.).
OA	Hammond, Lester.	2RH	Reiss, Lester.
ов	Valladares, Frank N.	2RI	Cowper, Norman C.
ŏc l	Erasmus Hall High School.	2RJ	Porter Charles A
ŎĎ	Debuchy, Edmund A.	2RL	Porter, Charles A. Camp, Victor F.
OE	Raynor, Sinclair L.	2RM	Underhill, Chester R.
of	Meier, Robert A.	2RO	Dodds, Andrew C.
		2RP	
OG	Meuke, Charles H.	2RT	Sorgens, Walter M.
OH	Skliar, Joseph.		Collinson, Jesse G. Fletcher, Jordon J. Johnson, W. Eugene.
oi lo	Folks, Leslie E.	2RU	Fletcher, Jordon J.
ŎΪ	Horning, Robert H.	2RV	Jonnson, w. Eugene.
OF	O'Brien, Laurence J.	2RW	Baily, Hobart W.
ŏ <b>n</b>	Kellow, James C.	2RX	Picken, James C., jr.
OP	Prendergast, Robert M.	2RZ	Veneman, Peter.
0Q	Wade, J. Melmoth.		l
OR	Tong, Myron A.	28B	Sangree, Ernest M.
os	Cohen, Walter.	28F	Kollock, Alan S.
$\mathbf{or}$	Urbain, Ferdinand A.	2SG	May, Fred.
ou	Siebert, Walter.	28K	Murray, Charles.
ox	Mardon, F. Herbert.	28L	Murray, Charles. Merrill, J. Stewart.
OY	Jones, Frank.	2SM	Hatry, William B.

2457°---15-----7

AMATEUR RADIO STATIONS—SECOND DISTRICT—ALPHABETICALLY BY CALL SIGNALS—Continued.

Callsignal.	Owner of station.	Callsignal.	Owner of station.
2SO	Johnston, James E.	2VJ	Furman, Robert S.
2SP	Bleivelens, Gerhardt.	2VK	Covert, James D.
2SQ	Kreeft, Raymond A.	2VL	Bond, Arthur M.
2ŠŬ	Schabbehar, Edwin A.	2VM	Brown, Philip T.
2ŠX	Cannon, George C.	2VN	Charles, Chester A.
	ommon, crossgo or	2VO	Scholerman, Carl.
2TB	Ford, Everett J.	2VP	Bartsch, Henry W.
2TC	Dickenson, Henry E.	2VQ	Agnoli, Justus J.
ŽTĎ	Mayer, Arthur C.	2VŘ	Gassaway, Julian L.
TE	Bentzig, Victor II.	2VS	Decker, Ralph W. E.
2TH	Roy, James A. S.	ŽŸŤ	Kayser, Herbert.
rij	White, Howard E.	∥ ŽŸŪ	Flandreaux, Cyrus.
2TK	Randolph, Randolph A.	2VV	French, Edward.
2TL	de Forest, Edward L., jr.	2VW	Steinkamp, Harold.
2TN	Dunham, Clarence L.	2VX	McCarthy, George W.
2TP	Bohn, William.	2VY	Diehl, John F.
2TO	Adams, E. William, jr.	∥ ŽŸŽ	Frederick, G. Bentley.
2TV	Glenn, George.		
2TY	Lane, George.	2WA	Keers, John K.
TŽ	Collins, Frank J.	2WB	Fogetti, Howard J.
	( )	2WC	Pollock, J. Millard.
2UF	Evens, Arthur F.	2WD	Lasher, Charles E.
ŽŪJ	Innes, Richard C.	2WE	Heydon, Albert R.
ZŬM	Poling, Russell H.	2WF	Nolan, Frank J.
2UN	Graham, Malcolm.	2WG	Lemkie, Harry A.
ΣŬÔ	Heyer, Benjamin W.	2WH	Pearsall, Arthur R.
ÜĎ	Gannon, J. Kimball.	2WI	Anderson, Robert N.
ŽŬQ.	Hallett, E. Douglas.	2WJ	Pflomm, George M.
UR	Arany, Leo.	2WK	Caggiano, Carmine J.
US	Allstrom, F. Condit.	2WL	Ryan, Lester F.
ียับับ	Vanderbilt, Clinton B.	2WM	Fowler, Jack B.
žŬX	Phelan, Charles W.	2WN	Beller, William A. G.
UZ	Stewart, G. Edwin.	2WP	Spannaus, Charles O.
.02	Stewart, G. 24win.	2WQ	Willetts, Gilson V.
2VC	Johnson, Theophilus, jr.	2WS	Francis, Leo A.
žvĎ	Bruell, Joseph P.	2WT	Poole, William C.
VE	Robertson, Gus.	2WU	Moore, H. Atherton.
VF	Koch, Edward.	2WW	Blackburn, Walter G.
ŽVG	Ahrens, Harry E.	2WX	Ritter, Irving W.
žvi	Loub, Arthur F.	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.	Peter.
3PC 3FZ 3QK 3CA	Adelberger, Adrian J	417 Landis Ave., Vineland, N. J	1,000
3ET 3WJ 3BM	Alden, John H	5018 Irving St., Philadelphia, Pa 124 Bryant St. NW., Washington, D. C Bernardville, N. J.	18
3BD		Haverford, Pa.	

Call signal.	Owner of station.	Location of station.	Power
ao D	A . J D J i.l. I	FOF Line In Ca. Dealing De	Watts
3QD	Andersen, Frederick J.	735 Lincoln St., Reading, Pa.	550
3SR	Anderson, John A	612 Cherry St., Camden, N. J.	13
3LJ	Anderson, Joseph L	Texas, Md	6
3TQ	Andrews, Edward C		300
3JF	Apfelbaum, Martin	2711 Girard Ave., Philadelphia, Pa	4:
3AX	Arner, Oscar Q Ashmore, John W	56 V St. NW., Washington, D. C	2
3AA	Ashmore, John W	3408 Hamilton St., Philadelphia, Pa	1
3CN	Ashton, Leon W	106 Washington Ave., Collingswood, N. J.	3
3PI	Atlee, Franklin	2039 Pine St., Philadelphia, Pa	1
3GC	Bach, Earl C	926 N. 4th St., Allentown, Pa	70
3AFI	Backe, Louis M., jr	Sea Isle City, N. J.	44
3GZ	Backe, Louis M., jr	1211 Ridge Ave., Philadelphia, Pa	44
BV	Bacon, Franklin F	101 Mansion Ave., Haddonfield, N. J	30
3MU	Baily, William J., jr	5417 Addison St., Philadelphia, Pa	12
BCS	Baker, Harold Z	134 N. Church St., Waynesboro, Pa	55
3FL	Ballentine, Charles S	4810 Germantown Ave., Philadelphia, Pa.	5
3MX	Barker, Thomas H., jr	Gladwyne, Pa	i
SSW	Barnard, Julian W	Bryn Mawr, Pa.	1.00
BMS	Barnhart, Lawrence W.	1637 N. 6th St., Harrisburg, Pa.	1,00
KN	Barr, Richard H	602 W. Chestnut St., Lancaster, Pa	44
BRZ	Barrett, Montague W	222 Dartmouth St., Norfolk, Va.	50
	Darrette, Wolfaglie W	519 Elmon Ct Vincland M T	
BSY	Darretta, Valroy S	518 Elmer St., Vineland, N. J.	44
BWY	Basford, Robert F Bassett, William W	5308 Haverford Ave., Philadelphia, Pa.	1
PE	Bassett, William W	205 Mohawk St., Norwood, Pa	1
BAEK	Baughman, George E	317 Fairfax Ave., Norfolk, Va	22
BAJ	Bausman, George H	1246 N. Broadway, Baltimore, Md	7
BSK	Baxley, C. Herbert	1126 W. North Ave., Baltimore, Md	5
BVM	Baynes, Ralph J	812 Vandever Ave., Wilmington, Del	3
BBL	Beach, Harry L	3711 M St. NW., Washington, D. C	4
BAIR	Beaumont, Robert II	7432 Devon St., Philadelphia, Pa	3
BWS	Beaumont, Robert II	Atlantic City, N. J	1,00
BAAV	Bechler, William C., jr	1443 S. 3d St., Philadelphia, Pa	1
BAGI	Beck, Rodney M	4833 Pulaski Ave., Philadelphia, Pa	1
BWA	Beck, Russell G	4833 Pulaski Ave., Philadelphia, Pa 2015 N. 17th St., Philadelphia, Pa	1
BWV	Becker, Frank F	2118 N. 5th St., Philadelphia, Pa	1
JS	Beekley, Francis C	116 N. Lemon St., Media, Pa	48
BNL	Behm. L. F. F	1519 Poplar Grove St., Baltimore, Md	25
BAEF	Behm, L. F. F Beidelman, Harry A	840 Elm St., Camden, N. J.	1
BNI	Bell, Albert A., jr	8 Catalpha Ave., Hamilton, Md	55
AIH	Bennum, George W., jr	Georgetown, Del	1
31Q	Benson, Thomas W	2808 W. Lawrence St., Philadelphia, Pa	$\hat{4}$
VY	Beresford, Rees H	5023 Walnut St., Philadelphia, Pa	2
BDC	Bergen, Donald M	920 Riverside Ave., Trenton, N. J	51
BPY	Bergey, H. Leon	Langdala Pa	77
jj	Bergmann, Frederick J.	Lansdale, Pa	í
ww		440 Diamond St., Philadelphia, Pa	i
BDE	Bernert, Joseph, jr		2
ADG	Bernert, Joseph, jr	Philadelphia, Pa. (portable station)	í
	Bernhard, John S	7221 N. Penn St., Allentown, Pa	
VL	Bernstein, Abe R	621 Queen St., Norfolk, Va	38
MO	Bickel, E. Clifton	758 High St., Pottstown, Pa	1,00
BCC	Biddle, Howard L., jr	319 Hillside Ave., Jenkintown, Pa	1
BHW	Bidwell, George L	1245 Evarts St. NE., Washington, D. C.	4
H	Bierfreund, Max A	517 Penn St., Camden, N. J.	35
BLQ	Birch, Stanford S	45 Washington Ave., Collingswood, N. J.	10
RP	Blackwood, George C	5346 Wayne Ave., Philadelphia	12
BAAI	Blake, John M	2506 Maryland Ave., Baltimore, Md	30
BTV	Blanford, Irving	922 North St., Portsmouth, Va	33
BGN	Board of Public Educa-	Lehigh Ave. and 8th St., Philadelphia,	49
	tion.	Pa,	
3FX	Bonsall, Thomas F	213 Chester Ave., Glenolden, Pa	1

### 100 BUREAU OF NAVIGATION, DEPARTMENT OF COMMERCE.

Call signal,	Owner of station.	Location of station.	Powe
			Watt
3SN	Bourgeois, Edmund R	901 Central Ave., Ocean City, N. J	5
3TL	Bowes, Joseph J	2647 Agate St., Philadelphia, Pa	
BAIX	Bowman, Christian M	150 E. Chestnut St., Lancaster, Pa	20
BRG	Bowman, Philip W	202 E. Montgomery St., Baltimore, Md	:
BHJ	Bradley, Horace E	315 V St. NE., Washington, D. C	
sso	Bradshaw, R. B	239 Chestnut St., Haddonfield, N. J	
BBO			3
	Brady, John B	Somerset, Md	
BUZ	Braidwood, Thomas W	Anglesea, N. J.	1 :
NZ	Branin, Manlif L	4516 Pacific Ave., Wildwood, N. J	
EV	Brannan, Julian L	2632 Guilford Ave., Baltimore, Md	1 1
1 <u>88</u>	Brany, Emil B	441 Goepp St., Bethlehem, Pa	1,0
BEA	Brashears, Paul B	Hunter, Va	l
VE	Brenner, Samuel	5025 Walnut St., Philadelphia, Pa	1
AGM	Breuil, James F	209 Rutgers St., Swarthmore, Pa	1
TP	Brittingham, Otis B	1038 North St., Portsmouth, Va	1000
ĴŴ	Broadbelt, J. Edward, jr.	2723 Guilford Ave., Baltimore, Md	
ĴΉ		2 N Main St Nagarath Da	7
	Brockman, Francis C	3 N. Main St., Nazareth, Pa	
DF	Brockway, Ladue M	154 Bickley Ave., Glenside, Pa	١.
AHS	Brown, Edwin H	125 State St., Harrisburg, Pa	4
AAF	Brudenell, Norman	2123 W. Pacific St., Philadelphia, Pa 431 W. York Ave., York, Pa	
AGO	Brunhouse, Jacob S	431 W. York Ave., York, Pa	5
GF	Bryce, Stanley C	1626 N. 13th St., Philadelphia, Pa	2
BK	Bryce, Stanley C	Seaside Park, N. J	2
OQ.	Bryson, Harold E	Laurel Springs, N. J.	3
ČP	Bunting, George M., jr	315 E. Broad St., Chester, Pa	5
	Punting, George M., J	4909 Cramber St., Unestell, Ta	
PV	Bunting, Theodore R	4202 Granby St., Norfolk, Va	1 4
JI	Burdette, Aubrey W	Adam St., Rockville, Md	1,0
NW	Burke, Thomas J	1750 S. Mole St., Philadelphia, Pa	
SM	Burnett, A. Elmo	418 N. 23d St., Richmond, Va	
UW	Call. J. Richard	114 Walnut St., Haddonfield, N. J	2
QI	Cameron, Lloyd W	728 Richey Ave., West Collingswood, N. J.	
ŬJ	Campbell, James D	214 Wyncote Rd., Jenkintown, Pa	2
čŏ	Campbell, James S	1700 S. 60th St., Philadelphia, Pa	_
BW	Campbell, John W	1209 N. 25th St., Philadelphia, Pa	
	Carliela John F	1015 10th Area Magra Da	
AHA	Carlisle, John F	1015 10th Ave., Moore, Pa	
UN	Carpenter, C. Ellwood, jr.	Ocean City, N. J	4
BX	Carpenter, C. Ellwood, jr.	7417 Sprague St., Philadelphia, Pa	2
$QQ_{-}$	Cassady, Park H	Hersney, Pa	5
AIW	Chadwick, Herbert E	164 Lismore Ave., Glenside, Pa	
KO	Chalmers, Edwin L	125 Burk Ave., Wildwood, N. J	
IM	Chambers, Joseph D	605 Lafayette St., Cape May, N. J	
FM	Channell, John W	5213 Germantown Ave., Philadelphia, Pa.	
ST	Chappell, Ralph R	2112 E. Clay St., Richmond, Va	
	Chases Dags D. A	Correctown Dol	
AHP	Chesser, Page P. A	Georgetown, Del	
UT	Cianfrani, Theodore	1217 Morris St., Philadelphia, Pa	
BG	Clark, Edwin T	1244 Fitzgerald St., Philadelphia, Pa	
FQ_	Clark, William R	38 N. Paxon St., Philadelphia, Pa	
AAH	Clayton, Davis J	Crosswicks, N. J	
WM	Cloman, William E	19 Kossuth St., Baltimore, Md	
UR	Cohan, William W	611 Lombard St., Philadelphia, Pa	
МP	Cohen, Henry	600 S. 2d St., Philadelphia, Pa	2
CL	Coleman, Walter V	2245 N. 15th St., Philadelphia, Pa	
ا <u>۲۲</u>		2010 W Porotto Ot Doltimone Md	
AO	Collier, Wilbur H	820 W. Fayette St., Baltimore, Md	3
oz	Collins, Benjamin W	513 Ogden Ave., Swarthmore, Pa	8
AB	Conklin, Ira L	3533 N. 21st St., Philadelphia, Pa	4
CI	Cook, Howell E	Seaside House, Atlantic City, N. J	2
ADO	Coombs, John S	Bethesda, Md	3
LR	Cooper, William F	116 Ruby St., Lancaster, Pa	2
QT	Corderman, Roy C	R. F. D. No. 6, Hagerstown, Md	
ŴΡ	G M N 11	Pikesville, Md	ا ۽

## AMATEUR RADIO STATIONS—THIRD DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Callsignal.	Owner of station.	Location of station.	Power.
	a 7 ci i		Watts.
3PT	Creager, E. Clark	Haverford, Pa	33
3BE	Critchlow, P. Davey	2632 N. 17th St., Philadelphia, Pa	24
3NR	Croll, Robert S	30 S. West St., Allentown, Pa	60
3BR	Crothers, Harry W	3033 Susquehanna Ave., Philadelphia, Pa.	24
3QJ	Crowley, Robert H	23 N. Dewey St., Philadelphia, Pa	30
3NC	Dalling, Howard	2942 High St., Camden, N. J.	40
3FB	Darby, George B., jr Davis, Edwin L	1 Bala Ave., Bala, Pa	550
3FA	Davis, Edwin L	3812 8th St. NW., Washington, D. C	490
3WL	Davis, Raymond	1416 Perry Place NW., Washington, D. C.	1,000
3UG	Dearben, Rowland R., 3d	11th St. and 69th Ave . Philadelphia. Pa	220
3AIN	de Hegh, Claude S	232 N. Harrison St., Wilmington, Del Park Heights Ave., Baltimore, Md	36
3QU	Deichmann, George L., jr	Park Heights Ave Baltimore Md	330
3FN	Deichmiller, Alvin	1323 S. Carey St., Baltimore, Md	24
3HZ	Delbert, Simon, jr	Media, Pa.	960
3WZ	Delbert, Simon, jr	1724 Arch St., Philadelphia, Pa	18
3FF	Demoster Warren I		18
3LP	Dempster, Warren J	118 Cleveland Ave., Norwood, Pa	
	Densham, Harry W	124 Fern Ave., Collingswood, N. J	220
3FR	Densten, E. Craig	4771 Delaware Ave., Baltimore, Md	990
3QB	Derbyshire, Agnew W	47 Clapier St., Germantown, Pa	25
3HY	Derr, Francis S	36 Franklin St., Somerville, N. J	120
3FY	Devlin, John L	5611 Angora Ave., Philadelphia, Pa	100
3JE	Dickerson, E. Stuart, jr	121 W. Cedar Ave., Merchantville, N. J	20
3DJ	Diggins, Edward P. G	1631 E. Eager St., Baltimore, Md	18
3RD	Dimling, Rudolph G. A.	Bancroft Park, Baltimore, Md	330
3SQ	Doughty, D. Roland	43 S. Congress Ave., Atlantic City, N. J.	24
3GJ	Doughty, William R	218 E. Park Ave., Haddonfield, N. J	36
3AAY	Douglas, George S Downes, Marlboro K	31 Prospect St., Cumberland, Md	330
3MA	Downes, Marlboro K	1002 E. Broad St., Richmond, Va	40
3LN	Doyle, John E	1931 N. Uber St., Philadelphia, Pa	990
3FT	Dudley, De Witt C	3916 Market St., Philadelphia, Pa	30
3MD	Dulany, Franklin R	5 W. Walnut Ave., Merchantville, N. J	220
3LT	Dunbar, Lewis T	R. F. D. No. 1, Bristol, Pa	36
3AHO	Dunn, John M	30 Union St., Salem, N. J.	373
3FO	du Pont de Nemours	10th and Market Sts., Wilmington, Del	448
0.0	Powder Co.	Total and Market Sto., William group, Del	110
3UM	Durham, Edmund B	85 South St., Somerville, N. J	30
3VA	Durham Wilson N		60
3AK	Duvall, Edward B	4618 Spruce St., Philadelphia, Pa	250
		20 E. Madison St., Baltimore, Md	250
3LC	Eberly, Jacob A., jr	2601 Columbia Ave., Philadelphia, Pa	
3TF	Ebert, Burton E	Shiloh, N. J	28
BCS	Ecton, Albert F	822½ 7th St. SW., Washington, D. C	45
3TJ	Edson, Howard D	1505 N. Gratz St., Philadelphia, Pa	210
3FV	Edwards, Charles	3345 Ella St., Philadelphia, Pa	120
BBN	Egan, John E	1332 N. Merrine St., Philadelphia, Pa	27
BVI	Egner, John	3125 N. 7th St., Philadelphia, Pa	40
3FO	E. I. du Pont de Ne-	10th and Market Sts., Wilmington, Del	448
	mours Powder Co.		
BIH	Eisele, Edward, jr	1116 Glenwood St., Philadelphia, Pa	66
BBQ	Eller, George O	717 7th St. SE., Washington, D. C	36
BLŬ	Ellis, J. Elton	1929 Hoffman St., Philadelphia, Pa	24
BCR	Ellis, William G	2204 N. 15th St., Philadelphia, Pa	1,000
BAW	Ely, Harry S	215 S. Washington St., Baltimore, Md	275
BDR	Eyster, James A	317 Washington Ave., Haddonfield, N. J.	540
HT	Falkenburg, August E	512 Franklin Ter., Baltimore, Md	550
SLM	Faries, Walter R	Llankerris Rd., Bala, Pa.	30
BAAU	Faulstich Chaster W	1535 Clifton St., Baltimore, Md	12
	Faulstich, Chester W	96 Dolo Avo Dolo Do	30
BIZ	Faunce, B. Warren	26 Bala Ave., Bala, Pa	
OT	Faust, Elmer J	728 Hamilton St., Allentown, Pa	300
BTR	Fell, David B	19 Park Ave., Ogontz, Pa	300
BGM	Fellows, J. Howard	5504 Wisconsin Ave., Washington, D. C	23

### AMATEUR RADIO STATIONS-THIRD DISTRICT-ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power
		411	Watts
3 <b>J</b> U	Fenimore, Robert S	Windsor Mill Rd., Baltimore, Md	2
3RC	Fenton, Edward T	Park Heights Ave., Baltimore, Md	33
3CH	Ferris, Malcolm	3409 Baring St., Philadelphia, Pa	44
SIX	Field, Harry P	219 39th St., Norfolk, Va	44
BOP			10
	Fink, Louis, 3d	Laurel Springs, N. J.	
BBA	Fisher, George H., jr	35 N. 54th St., Philadelphia, Pa	1
BDZ	Fisher, Roy S	3520 Disston St., Philadelphia, Pa 313 E. Commerce St., Bridgeton, N. J	1,00
3 <u>HO</u>	Fithian, William S., jr.	313 E. Commerce St., Bridgeton, N. J	55
ввн	Flather, Bryan S	1350 South Carolina Ave. SE., Washington, D. C.	1
BAFH	Fliegel, William M	4535 N. 17th St., Philadelphia, Pa	]
BVX	Flounders, Newton	Media, Pa	75
KC	Flynn, Thomas F	Mineral Va	45
	France, A. Ward	Mineral, Va	1
BDN		000 N Wilson CA Dhiladalahia Da	
3JN	Frankenfield, Albert L	230 N. Wilton St., Philadelphia, Pa	25
3AEA	Frederick, Charles A	50 Garrison St., Bethlehem, Pa	_2
3JM	Frederick, Charles A Freedom, Leon	Franklin and 14th Sts., Baltimore, Md	50
BVS	French, Edward R., jr	231 9th St. SE., Washington, D. C	] ]
BEL	Fricke, Henry W. L	801 Aisquith St., Baltimore, Md.,	1,00
BNB	Frve, Marcus, jr	616 Elmer St., Vineland, N. J	70
BWB	Frye, Marcus, jr Frye, Marcus, jr	616 Elmer St., Vineland, N. J. Sea Isle City, N. J. 1643 Turner St., Allentown, Pa.	80
BQP	Fulton, Harold E	1643 Turner St. Allentown, Pa	3
BĂAB	Furst, John F	Morrell Park Md	l è
SQH		Morrell Park, Md. 2436 W. Jefferson St., Philadelphia, Pa.	Ì
	Fusselman, John	1407 F. Hoffman Ct. Doltiman Md	
BAE	Gaffey, James H	1427 E. Hoffman St., Baltimore, Md	8
BAAJ	Gallagher, Edward J.,3d.	1812 N. Van Pelt St., Philadelphia, Pa	3
BADR	Gardner, Arthur C Gardner, William	321 Laurel St., Lancaster, Pa	4
BAHI	Gardner, William	Edgemoor, Del	1
BRO	Garver, Edwin H	118 East Ave., Hagerstown, Md	55
3NF	Gaskill, William W	226 E. Washington Ave., Merchantville, N. J.	3
3AY	Gaskins, Richard W	931 North St., Portsmouth, Va	30
3WN	Gaty, John P. and Lewis	29 Morris Ave., Morristown, N. J.	55
0.077	R. W. W.	con rel de de Wellinston D d	
BCU	Gauss, Harry W	221 5th St. SE., Washington, D. C	3
BUI	George, John R	222 Wyoming Ave., Philadelphia, Pa	3
3SV	Gerhart, Samuel R	1709 Columbia Ave., Philadelphia, Pa	4
3AV	Gerns, William H	1663 Wisconsin Ave., Washington, D. C.	4
BSX	Gieske, Alfred W., jr	Catonsville, Md	33
BUA	Gilbert, Harry P., jr	401 Washington St., Portsmouth, Va	22
BAZ	Gillingham, George L., jr.	4508 Richmond St., Bridesburg, Pa	44
BAR	Gilpin, Levering H	401 Washington St., Portsmouth, Va 4508 Richmond St., Bridesburg, Pa 2702 N. Calvert St., Baltimore, Md	77
3SJ	Glenn, Charles R	1919 Penrose Ave., Baltimore, Md	٠ <u>٠</u>
BAIF	Gluck, Earle	Remick Ave Hamilton Md	50
3LO		Berwick Ave., Hamilton, Md	3
	Godfrey, Clarence M	Communica Court Dida Atlantia City	
3IF	Godfrey, Earle	Guarantee Trust Bldg., Atlantic City, N. J.	55
3NK	Godfrey, Howard L	2150 N. Corlies St., Philadelphia, Pa	3
3FG	Godfrey, James M	5037 Springfield Ave., Philadelphia, Pa	50
3WX	Godfrey, James M Goebel, Eugene S	1601 Columbia Ave., Philadelphia, Pa	3
3KB	Goodall, Alfred B	518 Rhode Island Ave. NE., Washing-	€
OTTO	Coodmin Hearld E	ton, D. C.	
3WO	Goodwin, Harold F	244 Erie Ave., Philadelphia, Pa	1 1
BUY	Gordon, Horace W	5115 Spruce St., Philadelphia, Pa	15
3OL	Grant, Arthur F		10
3KM	Gray, Gerald	92 Main St., Newton, N. J	2
3KF	Green, Anthony J	1112 S. Lakewood Ave., Baltimore, Md	1
3AGT	Gresh, Harold	Main St. and Franklin Ave., Norristown,	55
		Pa.	١ )`
3LV	l	706 Pine St., Bristol, Pa	1 :

AMATEUR RADIO STATIONS—THIRD DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
	a .m		Watts.
3VK	Griffith, Dorsey J	3104 R St. NW., Washington, D. C	50
3PZ	Griffith, Elmer G	1824 Cayuga St., Philadelphia, Pa	50
3AL	Guenzel, Herman A	410 Buttonwood St., Philadelphia, Pa	36
3HD	Haake, William F	3429 Frederick Ave., Baltimore, Md	18
3RQ	Haas, Jerome S	2011 Atlantic Ave., Atlantic City, N. J	451
3QF	Haig, J. Donald	118 E. Maple Ave., Merchantville, N. J.	20
3QO 3NM	Hake, Elias G	614 Goepp St., Bethlehem, Pa	18
3AIG	Haldeman, George E Hale, Charles W	849 Maple Ave., Collingswood, N. J   107 Aberdeen Ave., Wayne, Pa	18 20
30D	Hall, Leroy	86 V St. NW., Washington, D. C	120
3QV	Hall, Robert S	Clarke's Lane Arlington Md	550
3ÅEM	Halpenny, Richard R	Clarke's Lane, Arlington, Md	63
3RV	Hammill, McClintock, jr.	1822 Spruce St., Philadelphia, Pa	18
3JT	Hampson, George M	731 Newington Ave., Baltimore, Md	100
ijŸ	Hann, Charles B	206 E. Preston St., Baltimore, Md	250
3HR	Harmer, Robert H	173 Lismore Ave., Glenside, Pa	36
3PH	Harris, Edwin R	61 N. 61st St., Philadelphia, Pa	60
3PJ	Harris, S. Sylvan	3413 Judson St., Philadelphia, Pa	40
3LY	Harris, William J	23d and Howard Sts., Chester, Pa	25
3AIA	Harrisburg Wireless	1630 5th St., Harrisburg, Pa	330
1	_Equipment Co.	N.S. 22 2 2 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
3AGD	Harrison, Edward A	320 Mt. Carmel Ave., Glenside, Pa	45
3QW	Harsch, Lawrence P	Mt. Rainier, Md	480
3VJ	Harvey, Edmund H	Secane, Pa	60
3FS	Harwood, Theodore O	1326 N. Broadway, Baltimore, Md	20
3ID	Hasenius, Joseph F	2328 N. Fairhill St., Philadelphia, Pa	75
3AED	Haslett, Harold D	1822 N. Croskey St., Philadelphia, Pa	18
3ADT   3LI	Hastings, Harris	905 B St. NE., Washington, D. C.	20
SAEW	Heck, Lewis O Heller, Adolph	1614 Webster St., Baltimore, Md 214 Laurel St., Bridgeton, N. J	330   37
3AGE	Hemphill, William J., jr.	235 Wyoming Ave., Philadelphia, Pa	27
3BJ	Henderson, Frank	813 Highland Ave., Philadelphia, Pa	275
3DW	Hermanns, A. Walter	Philadelphia, Pa. (portable station)	36
3SZ	Herndon, Landon C	409 Middle St., Portsmouth, Va	25
3EM	Heyser, Wilber A	337 W. Marshall St., Norristown, Pa	30
3HM	Hickman, Paul W	1917 Green St., Philadelphia, Pa	330
<b>3J</b> O	Hicks, A. Willett, jr	1275 S. Madison St., Allentown, Pa	60
3AAX	Hicks, Thomas R	425 Miner St., West Chester, Pa	27
3AAM	Hillman, Joseph	315 Biddle St., Baltimore, Md	36
300	Hindin, Louis N	1615 S. 5th St., Philadelphia, Pa	48
3ND	Hirst, Arthur C	Haverford, Pa	400
3MF	Hitchner, Clyde G	405 8th St., Vineland, N. J.	32
3JX	Hoagland, Donald	43 Lake St., Bridgeton, N. J.	180
3RI 3RU	Hodges, R. E. L Hoff, J. Marshall	2648 Maryland Ave., Baltimore, Md	330
BT		4909 Knox St., Philadelphia, Pa Cold Spring, N. J	36
3KK	Hoffman, W. Hollis Hofmann, George A	Engle Ave., Burlington, N. J.	18 60
3AQ	Hogan, Harold O	2616 Guilford Ave., Baltimore, Md	225
SUS	Holcombe, Alex. H., jr	343 Bala Ave., Cynwyd, Pa	440
SAEN	Holstein, Hubert	1932 Page St., Philadelphia, Pa	18
3PS	Holt, Clarence J	136 D St. SE., Washington, D. C	36
3GU	Hopkins, Robert E	2428 Nicholas St., Philadelphia, Pa	36
3AET	Horner, George E	734 Market St., Camden, N. J	18
3AHK	Houck, Harry W	New Cumberland, Pa	1,000
3PX	Howard, H. Trumbull	221 Park Ave., Swarthmore, Pa	50
3UC	Howell, S. Van S	Clinton, N. J.	22
3UP	Howlett, Joseph T. F	Philadelphia, Pa. (portable station)	100
SUF	Howlett, Joseph T. F	2303 N. Broad St., Philadelphia, Pa	330
3UQ	Howlett, Joseph T. F	Mt. Pocono, Pa	1,000
3AFO	Huddy, James J., jr	1900 WOILDL, PHIMACIPMA, Pa	100

AMATEUR RADIO STATIONS—THIRD DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Powe
			Watt
3AHL	Hunter, Clarence B	256 Linden St., Moorestown, N. J	
3TE	Huyette, Paul B	4608 Wayne Ave., Philadelphia, Pa	
3WF	Huyler, Rollin M	Mt. Tabor, N. J	1
SE	Hyatt, C. Brown	310 Carlisle Ave., York, Pa	3
3LB	Iddings, Frederick T	1608 Linden Ave., Baltimore, Md	9
BY	Ilyus, Edmund B	130 E. Walnut St., Lancaster, Pa	
BCJ	Imfield, Fred H	117 N. 6th St., Philadelphia, Pa	3
IE	Jacobson, Bernard H	3803 Park Heights Ave., Baltimore, Md	5
ov	Jacoby, Arthur C	517 Linden St., Allentown, Pa	
AU	Jewett, R. W. Dickinson.	1833 Jefferson Pl. NW., Washington, D. C.	
ADL	Johnson, Alward G., jr	1718 19th St. NW., Washington, D. C	
OG	Jones, John W	328 Cooper St., Camden, N. J	
ŇP	Jones, La Frantz	923 French St., Wilmington, Del	
TB	Judson, Elbert B	111 13th St. SE., Washington, D. C	1
SAAC	Kahn, Jack	509 N. Jefferson St., Kittanning, Pa	
BAIE	Keim, Jonathan D	81 Keim St., Pottstown, Pa	5
AHD	Keller, John H	2631 N. 6th St., Harrisburg, Pa	
TZ	Kellert, Charles	1208 St. Matthew St., Baltimore, Md	:
OB	Kennedy, Ignatius L	28 S. Market St., Frederick, Md	١ .
ĔP	Kennedy Joseph H	2052 E. Fletcher St., Philadelphia, Pa	
SH	Kennedy, Joseph H Kenyon, Walter R	1838 Columbia Ave., Philadelphia, Pa	
ok	Kerr, William C	Frederick Road, Catonsville, Md	
TT	Kindt, Charles F., jr	301 Washington Lane, Jenkintown, Pa	2
мм	King, Albert	209 St. Mary St., Burlington, N. J	
RP	Kirby, Elmer 8	5300 Glenmore Ave., Philadelphia, Pa	١ '
		Central Ave., Sea Isle City, N. J	
RH	Kline, H. N. Gay Klock, Victor J	707 N. Seventh St., Camden, N. J.	١,
AAO	Knight, G. Webber, jr	1545 Walnut St., Harrisburg, Pa	1,0
KX		3260 Chestnut St., Philadelphia, Pa	1,
IQ	Knoll, Lloyd M	126 I increase Ave Glandide Pe	3
SL	Knoppel, Herman L	136 Linsmore Ave., Glenside, Pa	١ '
FJ	Knowles, Edward P., jr.	416 Princeton Ave., Trenton, N. J	;
EZ	Koller, Donald B	301 Reading Ave., West Reading, Pa 3535 N. Water St., Philadelphia, Pa	
BB	Kralovec, Dalibor		
HX	Kratz, Herman A	2001 W. Pratt St., Baltimore, Md	
DL	Kreis, William J	623 N. Penn St., Allentown, Pa	
WU	Kressel, Gordon	1368 Park Blvd., Camden, N. J	
AD	Krips, James A. C	105 Fern Ave., Collingswood, N. J	
TY	Krone, Julian E	2908 West Ave., Newport News, Va	
EI	Kumler, Kelvin C	Kensington, Md	;
CF	Laager, Creston F	1029 Belmont Ave., West Philadelphia, Pa.	
GV	Laber, Joseph M	2422 N. Gratz St., Philadelphia, Pa	
ŏś l	Lafferty, Francis A	1717 Ingersoll St., Philadelphia, Pa	
ŏĎ	Lamb, Franklin	623 Elmer St., Vineland, N. J	(
МĒ	Lamdin, Charles R	4016 Edmonson Ave., Baltimore, Md	
$\mathbf{\tilde{Q}}\mathbf{\tilde{G}}$	Landis, Harold O	341 N. Front St., Reading, Pa	
ŤČ	Landie, Harry	2436 Corlies St., Philadelphia, Pa	
cw	Lange, J. Robert	1938 Lemmon St., Baltimore, Md	
ğë	Lanning, John M	77 E. Commerce St., Bridgeton, N. J	
Řĭ	La Rue, Robert G	264 Main St., Hackettstown, N. J	11
EB	La Salle College	1240 N. Broad St., Philadelphia, Pa	1
AHE	Lazarus, Sanford S	1240 N. Broad St., Philadelphia, Pa 576 Madison Ave., York, Pa 407 Raleigh St., Norfolk, Va	
OY	Le Faucheur, Albert R	407 Raleigh St., Norfolk, Va.	
ĔĎ	Legg, Albert A	1931 N. 23d St., Philadelphia, Pa	
oi	Lehmberg, Henry	2110 N. 4th St., Philadelphia, Pa	
AHW			
	Leigh, Walter S	Clinton, N. J	
BZ	Leister, Fayette	331 N. Fulton St., Philadelphia, Pa	
ADI	Lesky, William	2110 N. 4th St., Philadelphia, Pa 2800 Snyder Ave., Philadelphia, Pa	
AAE	TACOM A MILLIAMIT	4000 DHYUU AYU. IIIIMUUUUK IK. IK	

# AMATEUR RADIO STATIONS—THIRD DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Watts.
3LA	Levin, Davis	44 S. Bond St., Baltimore, Md	30
30H	Levy, Lewis	243 E. Pearl St., Burlington, N. J	20
3AHF	Lewis, Clarence B Lewis, Ellis	Proffet, Va	36
3RB	Lewis, Ellis	658 Linden Ave., York, Pa	880
3AAL	Lewis, John B	5108 Whitney Ave., Philadelphia, Pa	440
3AER	Linderborn, Russel	631 E. Clement St. Baltimore Md	18
3AFN	Lippincott, Bertram	631 E. Clement St., Baltimore, Md 1712 Spruce St., Philadelphia, Pa	24
3RE	Longaker, Abram	216 Zeralda St., Philadelphia, Pa	60
3AAD	Longfellow, Charles F.,	3038 R St. NW., Washington, D. C	60
3DU	Louchheim, William S	Jenkintown, Pa	36
3UX	Loughlin, John K	2215 Hunting Park Ave., Philadelphia, Pa.	16
3DI	Lowell, Percival D	2838 27th St. NW., Washington, D. C	500
3WQ	Lower Marion High School.	Ardmore, Pa	500
3DX	Lukens, Wilfred P	527 Spring Hill Ave., Conshohocken, Pa.	605
3AAR	Lum, Robert Bruce	64 Greene Ave., Madison, N. J.	250
3PM	Lusse, Richard N	2855 N. 8th St., Philadelphia, Pa	60
3LG	Lyon, Harry H	Hyattsville, Md	500
3UL	Lyon, Raymond S	527 William St. Boonton N J	160
3GH	MacDonald, Stuart	527 William St., Boonton, N. J. 209 N. 53d St., Philadelphia, Pa.	330
3EQ	MacKendrick, Robert G.	307 Amos Ld. Rd., Holmes, Pa.	1, 000
3AM	Majer, Carl	Philadelphia, Pa. (portable station)	330
3MII	Markham, Lester M	5108 Baltimore Ave., Philadelphia, Pa	30
3ES	Markham, Lester M Martin, E. Linton	315 Radcliffe St., Bristol, Pa	64
3LK	Martin, Robert C	2500 N. 19th St., Philadelphia, Pa	25
3ER	Maryland School of Telegraphy.	Baltimore, Md	550
3AIV	Mastin, Marion G	1438 Meridian Pl., Washington, D. C	27
3ON	Matos, Walter A	309 College Ave., Swarthmore, Pa	120
3DO	Maxson, Donald L	Kensington, Md	330
3ADS	McAllister, Louis E	807 Asbury Ave., Ocean City, Md	250
3TU	McAnally, Charles G	1601 Lincoln Ave., Moore, Pa	12
3GS	McCafferty, Rea B	750 S. 60th St., Philadelphia, Pa	72
3JL	McCaskey, Edward R McClanen, Wilson T	1029 Main St., Darby, Pa	500
3AIS	McClanen, Wilson T	3326 Van Kirk St., Wissinoming, Pa	420
3RL	McClellan, Frederick W.	180 Main St., Hackettsville, N. J.	6
3LZ	McCullough, Earl N	125 N. Gross St., Philadelphia, Pa	10
3PK	McGear, Herbert K	3014 W. York St., Philadelphia, Pa	18
3EY		Oak Lane, Pa.	440
3MB	McKee, W. Wesley	1411 W. Ontario St., Philadelphia, Pa	18
3ADF	McLean, Francis A	Dover, N. J	110
3VR	McVickar, W. Patton	635 Mohawk Ave., Norwood, Pa	500
3GL	Meck, Michael	1550 N. Allison St., Philadelphia, Pa	100
3MJ	Megowen, Horace L	4511 N. 18th St., Philadelphia, Pa	30
3NT	Melton, J. Carroll	422 Cambridge Crescent, Larchmont, Va.	100
3MG	Mervine, Watson M	509 Laconey Ave., Palmyra, N. J	72
3RA	Messinger, Miles B	309 N. Linden St., Bethlehem, Pa	24
3PD	Meyer, Emil J.	1919 Green St., Philadelphia, Pa	36
3RK	Meyer, Howard J	28 N. Church St., Camden, N. J.	9
3AGS	Michael, Alvin G	550 Camp St., Harrisburg, Pa	48
3AC	Miller, Alfred H	6358 McCallum St., Philadelphia, Pa	18
3DY	Miller, Frederick E	1132 Mayer St., Philadelphia, Pa	18
3TD	Miller, Harry G.	1526 2d Ave., York, Pa.	500
3GQ	Miller, Kelly ir	430 College St. NW. Washington D (!	15
3AGN	Miller, Kelly, jr	430 College St. NW., Washington, D. C 38 S. 5th St., Easton, Pa	275
3AI	Mohr, Paul D	537 Chestnut St., Emaus, Pa.	500
3CK	Moody, Matthew C	120 Emily St., Philadelphia, Pa	12
30M	Mooney, John, jr	2903 Girard Ave., Philadelphia, Pa	36

Call signal.	Owner of station.	Location of station.	Power.
			Watts.
3EK	Moore, Daniel D	2308 N. Charles St., Baltimore, Md	250
3CB	Moore, Earl T	546 Stanbridge St., Norristown, Pa	225
BAKA	Moore, James P	123 S. Mass. Ave., Atlantic City, N. J	50
BNQ	Moreley, Augustin H	1008 McKean St., Philadelphia, Pa	
SWĎ	Moyer, Luke I	2021 N. Lambert St., Philadelphia, Pa	30
BUD	Mundy, Elmer		27
	Mumber Clamont II	1441 Willow St., Norristown, Pa	
BTG	Murphy, Clement H	1838 N. Hope St., Baltimore, Md	330
BHS	Murray, Eugene M	Grays Lane, Haverford, Pa	99
BAGR	Musante, Augustine F. S.	118 Darlington St., West Chester, Pa	2
3KP	Myers, Roy R	Main St., South Perkasie, Pa	7:
3GE	Nadig, Stanton E	203 N. 4th St., Allentown, Pa	2
3MI	Nash, Clifford S	3615 N. 19th St., Philadelphia, Pa	300
3CT	Nassau, James A	1510 N. 18th St., Philadelphia, Pa	50
3QY	Nees, Milton	560 Chester Ave., Norwood, Pa	3
3AAN	Nicholls, Verne	512 Linden St., Bethlehem, Pa	3
3TI	Nichols, Crawford V	218 Crawford St., Portsmouth, Va	30
ЗАGК	Nichols, Jack and Wil-	Ambler, Pa	250
021011	liam F.	711110101, <b>1 6</b>	201
3HL	Nielsen, Harold, jr	9751 Frankford Ava Halmachung Da	10
	Wilsigh Thomas D	8751 Frankford Ave., Holmesburg, Pa	13
3EE	Nikirk, Thomas E	Washington, D. C. (portable station)	50
3VU	Nikirk, Thomas E	411 12th St. SE., Washington, D. C	50
3RX	Nisley, Paul H	2406 6th St., Harrisburg, Pa	40
3AFP	Noble, Christopher	303 E. Graves Lane, Philadelphia, Pa	1
3KD	Noel, James F	218 2d St. NE., Washington, D. C	8
3GO	Norcross, Earl L	216 Roberts Ave., Glenside, Pa	500
3QA	O'Brien, Francis J	2226 N. Carlisle St., Philadelphia, Pa	500
3VZ	Orlando, Frank	1948 S. 11th St., Philadelphia, Pa	10
3AFK	Ott, Charles H	3255 N. 15th St., Philadelphia, Pa	60
3EG	Owen, A. Thomas	562 Stanbridge St., Norristown, Pa	20
3DM	Page, John C.	Friendship Heights, Md	330
3CX		1118 William St., Trenton, N. J.	
	Parichy, Emery		2
3NS	Parker, Joseph P	808 3d St., Philadelphia, Pa	1:
3HE	Parks, Laurence W	406 N. 38th St., Philadelphia, Pa.	1:
3DS	Parks, Walther A	901 Lawrence St. NE., Washington, D. C.	50
3AT	Parsons, Harry S	13 N. Carey St., Baltimore, Md	
3NE	Passano, Leonard W	2504 Maryland Ave., Baltimore, Md	330
30W	Patchel, Robert E	532 S. 15th St., Philadelphia, Pa	40
3AP	Patzschke, August	Old Harford Rd., Hamilton, Md	990
3CG	Pauly, Robert	204 N. New St., Nazareth, Pa	18
3IL	Pawson, James M	336 W. Logan St., Philadelphia, Pa	2
3FL	Pearson, Roland D	Frankford, N. J	500
3GI	Pelham, Fred B	603 Howard Pl. NW., Washington, D. C	74
3PN	Pemberton, Henry R	1008 Clinton St., Philadelphia, Pa	30
	Pent, Robert E	305 Wyncote Rd., Jenkintown, Pa	250
3TO		Titusville, N. J.	
3DB	Perry, Willard P., jr	Tudor Pl. & 31st St., Washington, D. C.	97
3SF	Peter, Armistead, 3d		273
3ADP	Peterman, Abram	693 Love Lane, Lancaster, Pa	1:
3DA	Peterson, Raymond E	1602 S. Frazier St., Philadelphia, Pa	10
3JB	Petit, Ernest L	2344 McClellan St., Philadelphia, Pa	100
3UK	Peyser, Philip S	3208 West Ave., Newport News, Va	24
3PW	Philadelphia School of	Broad & Cherry Sts., Philadelphia, Pa	49
	Wireless Telegraphy. Philadelphia Turnge-	1705 Broad St., Philadelphia, Pa	330
3TX	meinde Club.	1100 Diom 100, 1 marcipina, 1 a	000
3RM	Phillips, Albert L	612 N. 2d St., Reading, Pa	128
3AHN	Phillips, Charles E	629 Linwood Ave., Collingswood, N. J	18
3AIL	Phillips, Howard D	121 Monroe St., Wilmington, Del	6
3AFD		140 Washington Ave., Collingswood, N. J.	330
	Phillips, William G	S. Broad St., Trenton, N. J.	5-
3MC	Pillsbury, Martin K Piper, S. Webster		500
3TA	ruper 5. webster	Las C. Allierani St., Daversiown, Mo	631

AMATEUR RADIO STATIONS—THIRD DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
•••	7		Watts.
3LD	Pisani, Sylvester	226 N. Calhoun St., Baltimore, Md	36
3HH	Place, Samuel W	662 Stanbridge St., Norristown, Pa	1,000
3MW	Poalk, James L., jr	325 Summit Ave., Jenkintown, Pa	60
3SP	Polk, Charles P	33 E. Walnut Ave., Merchantville, N. J	20
3AEL	Pollard, R. Spotswood	308 Elm Ave., Swarthmore, Pa	330
3OJ	Pool, J. Alexander	114 E. Montgomery Ave., Ardmore, Pa	250
3PF	Postpichal, Otto I	1617 S. 16th St., Philadelphia, Pa	26
3AEO	Pottorff, Russell	110 N. Church St., Waynesboro, Pa	500
3EH	Powell, Edwin L	1206 E. Capitol St., Washington, D. C	400
3ADM	Prescott, Henry E	1402 S. Ringold St., Philadelphia, Pa	18
3KY	Preston, James E	941 Oriental Ave., Collingswood, N. J	18
3EJ	Primrose, Donald L	941 Oriental Ave., Collingswood, N. J 2814 St. Paul St., Baltimore, Md	440
3AHM	Pritchard, John E	12 N. Warren St., Trenton, N. J.	120
3AHG	Proeschold, Harold V	189 Everett Pl., Rutherford, N. J	100
3PG	Proudley, Charles E	21 R St. NW., Washington, D. C	32
3AGP	Prutzman, Charles H	1015 Union St., Reading, Pa	30
3WR	Pyle, W. A. Faries	1972 Park Blad Camdon N I	150
3ADN		1273 Park Blvd., Camden, N. J	60
3FE	Quaintance, Leland C	410 2d St. Poltimore Md	90
	Rabl, Samuel	419 3d St., Baltimore, Md.	
3UO	Radio Apparatus Co. of America.	5847 Ellsworth St., Philadelphia, Pa	500
3PR	Ramsay, E. Frank	640 Irving St. NW., Washington, D. C	360
3RN	Ramsey, Howard N	96 W. Sharpnack St., Philadelphia, Pa	30
3VC		1425 C Brood St. Philodolphia Po	66
3NU	Rancetelli, Ernani	1435 S. Broad St., Philadelphia, Pa	
	Ranft, William Q	4107 Belle Ave., Baltimore, Md	36
3NG	Raser, Edward G	931 Edgewood Ave., Trenton, N. J	18
3TM	Rash, Franklin L	504 Claymont St., Wilmington, Del 1116 E. Tioga St., Philadelphia, Pa	48
3AEP	Rau, James F	1116 E. Tioga St., Philadelphia, Pa	30
3RW	Redgrave, De Witt C	1505 Bolton St., Baltimore, Md	250
3ADH	Reed, Charles J., jr	Sea Isle City, N. J	550
3EF	Reiff, W. Norman	916 Fayette St., Conshohocken, Pa	330
3SA	Requa, Fred A	4112 Frederick Ave., Baltimore, Md	272
3VB	Reuther, Harry R	108 Chestnut Ave., Takoma Park, Md	16
3KU	Reynolds, Edwin L	Bethesda, Md	400
3AIZ	Richardson, Francis	435 S. Orange St., Media, Pa	1,000
3DK	Richardson, Thomas L	Quarantine, Curtis Bay, Md	30
3BF	Richter, Harry A	2733 N. Fairhill St., Philadelphia, Pa	60
3AFS	Rieger, George, jr	Penllyn, Pa	48
3AFG	Rile, Joseph C	Broad Axe, Pa	660
3UH	Rivers, William L	1439 17th St., Philadelphia, Pa	50
3KZ	Roberts, Harold A	Kromer Ave., Berwyn, Pa	250
3NV	Robey, V. C. K	117 Commerce St., Rockville, Md	1,000
3GX	Robinson, George C	607 N. 10th St., Richmond, Va	108
3RR	Roeller, Harold C	66 Chestnut St., Pottstown, Pa	280
3CV	Rohrer, Harry B	73 Decatur St., Cumberland, Md	275
3GB	Rohrich, George J	Bethesda, Md	440
3AIT	Rohrich, George J Roland, Penn R	Bethesda, Md 563 Haws Ave., Norristown, Pa	18
3MN	Rollins, Thomas E	1732 S. 21st St., Philadelphia, Pa	80
3VV	Rose, Harold W	St. Albans School, Washington, D. C	440
3UV	Ross, John W	214 14th St., Norfolk, Va	440
3AAG	Ross, William H	1639 Turner St., Allentown, Pa	36
3VP	Rothman, Charles	1837 Wilhelm St., Baltimore, Md	18
3JP	Rowe, Charles R	1308 Massachusetts Ave. SE., Washing-	18
		ton, D. C.	
3AAS	Rudrow, Robert G	1942 S. 22d St., Philadelphia, Pa	25
3TK	Savage, Thomas A	54 W. Willow Grove Ave., Philadel-	18
		phia, Pa.	
3EW	Scheffey, Ralph B	346 Lafayette St., Bristol, Pa	250
3AIU	Schimpf, Henry L	Philadelphia, Pa. (portable station) 5020 Newhall St., Philadelphia, Pa	42
3AFW	Schimpf, Henry L	1 5000 Mamball C4 Dhiladalahia Da	60

P	Power.
	Watts.
a	42
	30
	36
	24
	1,000
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]	1,000
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	20
	300
	250
	72
	550
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	45
	50
	330
	40
3	36
	500
	50
1. J.	20
	30
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	550
	250
	200
	36
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	275
Pa.	250
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	500
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	24
Po.	
Pa	50
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	250
ıtic	250
	100
	180
	440
	12 30

Call signal.	Owner of station,	Location of station.	Power.
			Watts.
30F	Talbot, George L	506 14th St., Highlandtown, Md	165
3QL	Tapley, Robert E	Hampton Court, Norfolk, Va	18
BHB	Taylor, Sidney L. M	17 Winona Ave., Norwood, Pa	120
BAEI	Thomas, David	200 Bethlehem Pike, Ambler, Pa	36
BAFR	Thomas, Fred S., jr	1715 Christian St., Philadelphia, Pa	24
EC	Thomson, Henry A	Primos, Pa.	12
BCD			24
	Thorman, Charles D	9 Franklin Pl., Ardmore, Pa.	
BAIB	Thurick, Andrew	16 Reservoir St., Mt. Carmel, Pa	36
OE	Titus, George E	249 Mt. Hope Ave., Dover, N. J.	24
IY	Tolbert, Warren B Tolbert, Warren B	7037 Hegerman St., Philadelphia, Pa	24
AHR	Tolbert, Warren B	Philadelphia, Pa. (portable station)	50
VF	Tompkins, E. Randolph	526 9th Ave., Roanoke, Va	500
MR	Toner, James I	1432 Christian St., Philadelphia, Pa	36
AIP	Tranor, Harry W	906 W. Park Sq., Moore, Pa	24
AH	Treide, Carl L	2402 E. Baltimore St., Baltimore, Md	500
BI	Trieschman, Edward T.	Randallstown, Md	27
GK		3350 N. 18th St., Philadelphia, Pa	250
	Troth, Raymond H		18
MQ	Trumbower, Raymond	24 Collingswood Ave., Oaklyn, N. J	
AIY	Tuck, Wilbur A	Point of Rocks, Md	7:
TS	Turner, Alfred W	61 Hampton St., Bridgeton, N. J	18
RY	Turner, Morris C., jr	2613 Maryland Ave., Baltimore, Md	330
QR	Underhill, Chester R	Brightside Farm, Guilford, Md	200
DV	Uphoff, Frank B	3649 York Rd., Philadelphia, Pa	3(
VQ	Uphoff, Frank B	87-89 Thorofare Ave., Margate City, N. J.	30
VW	Uphoff, Frank B	Philadelphia, Pa. (portable station)	8
CE	Upman, Edgar A	1823 W. Fayette St., Baltimore, Md	500
ÃO	Urner, Joseph W	215 E. 2d St., Frederick, Md	24
CM	Van Horn, J. Clunn	5127 Arch St., Philadelphia, Pa	500
			12
LL	Van Horn, J. Orville	1427 N. 17th St., Philadelphia, Pa	
SB	Van Hulsteyn, J. M. C	Cockeysville, Md	250
ADW	van Reuth, Floris	Hamilton, Md	330
QM	Varnes, Earl W	8 Race St., Cambridge, Md	48
TN	Venn, Silas N	900 Vandever Ave., Wilmington, Del	250
IN	Vogel, Charles C	1244 N. Taney St., Philadelphia, Pa	18
RS	Vollten Theodore F	Bethesda, Md	440
KL	Wagner, William H	121 Obold St., West Reading, Pa	18
LW	Waite, John W	2938 N. 3d St., Philadelphia, Pa	55
IR	Wallace, Lewis J	2728 Poplar St., Philadelphia, Pa	18
RF	Wallace, William D	1832 W. Fayette St., Baltimore, Md	21
	Wallen Eveneig P	405 Broadway, Camden, N. J.	50
NN	Wallen, Francis B		500
AN	Walsh, Maurice L	819 W. Lexington St., Baltimore, Md	
AAW	Walthall, John H	267 W. York St., Norfolk, Va	60
PO	Watson, James B	2412 S. Rosewood St., Philadelphia, Pa	54
VN	Ways, Clarence I	10 Hanover St., Cumberland, Md	550
AG	Weant, Clarence H	1546 Aisquith St., Baltimore, Md	278
AFA	Weber, Charles W	Abington, Pa	250
AFT	Webster, Harold S	3623 N. 16th St., Philadelphia, Pa	4(
AEH	Wedge, Franklin W	126 Athens Ave., Ardmore, Pa	30
OC	Wegner, Arthur H	1751 U St. NW., Washington, D. C	18
AAT	Wegner, Edwin	117 Northampton St., South Bethlehem,	330
AAI	wegner, isawii		000
ATTO	117 '1 (1) 1 T3	Pa. Philadelphia, Pa. (portable station)	E (
AHR	Weik, Charles F		50
FC	Weik, Charles F	7148 Vandyke St., Philadelphia, Pa	24
LH	Weiss, Leonard	1608 South St., Philadelphia, Pa	40
HF	Weiss, Simon	815 S. 5th St., Camden, N. J	180
NX	Wells, John M	6118 Boynton St., Philadelphia, Pa	4:
DT	Wells, William C., jr	124 S. 66th St., Philadelphia, Pa	498
ĀĒ	West, William M	1407 N. Central Ave., Baltimore, Md	150
FI	Wever, John A	238 S. Patterson Park Ave., Baltimore,	21
4.4			
		Md.	

### 110 BUREAU OF NAVIGATION, DEPARTMENT OF COMMERCE.

## AMATEUR RADIO STATIONS—THIRD DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power
BCZ BMV BBDG BEN BOX BNJ BSA BAGF BAKD BBU BIV BMK BHU BWE BJD BAFM BBS BVG	Wheatley, Douglas N. Whitaker, Lorenzo D. White, Norman P. Whitney, Lucien S. Wick, Arthur. Wicks, Preston S. Williams, Harvey. Williamson, Robert M. Williamson, Robert M. Wilson, Arthur J. Wilson, Willard S. Wilson, William P. Wiseman, Luther B. Witmer, Charles T. Wohlford, John F. Wolcott, Roger G. Wolfe, Charles S. Wolff, William J. Wood, Frederick B.	405 N. 32d St., Philadelphia, Pa 937 14th St. SE., Washington, D. C 19 General Greene Ave., Trenton, N. J 624 Quincy St. NW., Washington, D. C. 2406 S. Percy St., Philadelphia, Pa. 2206 Ruskin Ave., Baltimore, Md. 3523 N. 18th St., Philadelphia, Pa. 4711 Pulaski Ave., Philadelphia, Pa. 5539 Central Ave., Ocean City, N. J 35 S. 45th St., Philadelphia, Pa 705 Adams St., Wilmington, Del. 2400 Barclay St., Baltimore, Md. 330 W St. NW., Washington, D. C. 133 W. Buttonwood St., Philadelphia, Pa. 404 Elm Ave., Roanoke, Va. 224 41st St., Norfolk, Va. 117 Pearl St., Norristown, Pa. 2422 S. Iseminger St., Philadelphia, Pa. Bryn Mawr, Pa.	Watt 4- 5- 1, 00 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 4- 3- 5- 5- 4- 3- 5- 5- 5- 5- 5- 5- 5- 5- 5- 5- 5- 5- 5-
BWH BGR BQX BDD BKJ BAGH BAAZ BFU BAFL BAIO BCQ BWT BIG BNA BAID BAID BAID BAID	Wood, Horace Wood, Richard M Worcester, Paul S Work, Ashton G Worrest, Howard A Wright, Ervin T Wright, S. Joseph Wunder, William F Wynkoop, John E Wynkoop, John E Yeager, George R Young, Walter T Zabel, Roy E Zang, Joseph A., jr Zilinskie, Stanley Zinszer, Harvey A Zito, Vincent	Chestertown, Md. Keyworth Ave., Park Heights, Baltimore Md. 1941 Green St., Harrisburg, Pa. 807 St. Charles Pl., Ocean City, N. J. 629 N. Duke St., Lancaster, Pa. 58 Broad St., Salem, N. J. Dushore, Pa. 6211 Germantown St., Philadelphia, Pa. 4316 Chestnut St., Philadelphia, Pa. Philadelphia, Pa. (portable station). 718 S. American St., Philadelphia, Pa. Nazareth, Pa. 156 Lismore Ave., Glenside, Pa. 700 N. 37th St., Philadelphia, Pa. 16 Reservoir St., Mt. Carmel, Pa. 920 S. 6th St., Allentown, Pa. 213 N. Gay St., Baltimore, Md.	2 1 2

### ALPHABETICALLY BY CALL SIGNALS.

Call signal.	Owner of station.	Call signal.	Owner of station,
3AA	Ashmore, John W.	3AAR	Lum, Robert B.
3AAB	Furst, John F.	3AAS	Rudrow, Robert G.
3AAC	Kahn, Jack.	3AAT	Wegner, Edwin.
3AAD	Longfellow, Charles F., jr.	3AAU	Faulstich, Chester W.
3AAE	Lesky, William.	3AAV	Bechler, William C., jr.
3AAF	Brudenell, Norman.	3AAW	Walthall, John H.
3AAG	Ross, William H.	3AAX	Hicks, Thomas R.
3AAH	Clayton, David J.	3AAY	Douglas, George S.
3AAI	Blake, John M.	3AAZ	Wright, S. Joseph.
3AAJ	Gallagher, Edward J., 3d.	3AB	Conklin, Ira L.
3AAL	Lewis, John B.	3AC	Miller, Álfred H.
3AAM	Hillman, Joseph.	3AD	Krips, James A. C.
3AAN	Nicholls, Verne.	3ADE	Shaffer, James A.
3AAO	Klock, Victor J.	3ADF	McLean, Francis A.
3AAQ	Souder, Philip W.	3ADG	Bernhard, John S.

# AMATEUR RADIO STATIONS—THIRD DISTRICT—ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
3ADH	Reed, Charles J., jr.	3AGT	Gresh, Harold.
3ADI	Leopold, William.	3AGW	Simons, Joseph M.
3ADK	Skiles, John D., jr.	3AH	Treide, Carl L.
3ADL	Johnson, Alward G., jr.	3AHA	Carlisle, John F.
3ADM	Prescott, Henry E.	3AHD	Keller, John H.
3ADN	Quaintance, Leland C.	3AHE	Lazarus, Sanford S.
3ADO	Coombs, John S.	3AHF	Lewis, Clarence B.
3ADP	Peterman, Abram.	3AHG	Proeschold, Harold V.
3ADR	Gardner, Arthur C.	3AHI	Gardner, William.
3ADS	McAllister, Louis E.	3AHK	Houck, Harry W.
3ADT	Hastings, Harris.	3AHL	Hunter, Clarence B.
3ADW	van Reuth, Floris.	3AHM	Pritchard, John E.
3AE	Gaffey, James H.	3AHN	Phillips, Charles E.
3AEA	Frederick, Charles A.	3AHO	Dunn, John M.
BAED	Haslett, Harold D.	3AHP	Chesser, Page P. A.
BAEF	Beidelman, Harry A.	3AHR	Tolbert, Warren B., and Weik
3AEG	Schmidt, G. Ambrose.		Charles F.
3AEH	Wedge, Franklin W.	3AHS	Brown, Edwin H.
BAEI	Thomas, David.	3AHT	Schmid, Edward A.
BAEK	Baughman, George E.	3AHW	Leigh, Walter S.
BAEL	Pollard, R. Spotswood.	3AI	Mohr, Paul D.
BAEM	Halpenny, Richard R. Holstein, Hubert.	3AIA	Harrisburg Wireless Equip
BAEN	Posters Durell	OATD	ment Co.
BAEO BAEP	Pottorff, Russell.	3AIB	Thurick, Andrew.
BAER	Rau, James F.	3AID 3AIE	Zilinskie, Stanley.
BAES	Linderborn, Russel.	3AIF	Keim, Jonathan D.
BAET	Sherwood, John R., jr Horner, George E.	3AIG	Gluck, Earle.   Hale, Charles W.
BAEW	Heller, Adolph.	3AIH	Bennum, George W., jr.
BAF	West, William M.	3AIK	Schuller, Byron S.
BAFA	Weber, Charles W.	3AIL	Phillips, Howard D.
BAFD	Phillips, William G.	3AIM	Sharp, Lewis W.
BAFE	Somers, Lewis S., jr.	3AIN	deHegh, Claude S.
BAFG	Rile, Joseph C.	3AIO	Wynkoop, John E.
BAFH	Fliegel, William M.	3AIP	Tranor, Harry W.
BAFI	Backe, Louis M., jr.	3AIR	Beaumont, Robert H.
BAFK	Ott, Charles H.	3AIS	McClanen, Wilson T.
BAFL	Wynkoop, John E.	3AIT	Roland, Penn R.
BAFM	Wolfe, Charles S.	3AIU	Schimpf, Henry L.
BAFN	Lippincott, Bertram.	3AIV	Mastin, Marion G.
BAFO	Huddy, James J., jr.	3AIW	Chadwick, Herbert E.
BAFP	Noble, Christopher.	3AIX	Bowman, Christian M.
BAFR	Thomas, Fred S., jc.	3AIY	Tuck, Wilbur A.
BAFS	Rieger, George, jr.	3AIZ	Richardson, Francis.
BAFT	Webster, Harold S.	3AJ	Bausman, George H.
BAFW	Schimpf, Henry L.	3AK	Duvall, Edward B.
BAG	Weant, Clarence H.	3AKA	Moore, James P.
BAGA	Speace, Alonzo L.	3AKD	Williamson, Robert M.
BAGD BAGE	Harrison, Edward A.	3AL   3AM	Guenzel, Herman A.
BAGF	Hemphill, William J., jr.	3AN	Majer, Carl.
BAGH	Williamson, Robert M. Wright, Ervin T.		Walsh, Maurice L.
BAGI	Beck, Rodney M.	3AO   3AP	Collier, Wilbur H. Patzschke, August.
BAGK	Nichols, Jack and William F.	3AQ	Hogan, Harold O.
BAGL	Sweger, Monroe J.	3AR	Gilpin, Levering H.
BAGM	Breuil, James F.	3AS	Stumpter, Albert G.
BAGN	Miller, Paul F.	3AT	Parsons, Harry S.
BAGO	Brunhouse, Jacob S.	3AU	Jewett, R. W. Dickinson
BAGP	Prutzman, Charles H.	3AV	Gerns, William H.
BAGR	Musante, Augustine F. S.	3AW	Ely, Harry S.
BAGS	Michael, Alvin G.	3AX	Arner, Oscar Q.

# Amateur Radio Stations—Third District—Alphabetically by Call Signals—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
3AY	Gaskins, Richard W.	3DE	Bernert, Joseph, jr.
3AZ	Gillingham, George L., jr.	3DF	Brockway, Ladue M.
SAZ	diimgnam, deorge D., Jr.	3DG	White, Norman P.
o DA	Figshor Goorge H is	3DH	Stahl, Harry E., jr.
3BA	Fischer, George H., jr.	3DI	Lowell, Percival D.
3BB	Kralovec, Dalibor.	3DJ	Diggins, Edward P. G.
3BC	Stephen, C. Chester.	3DK	Richardson, Thomas L.
3BD	Allen, Percival R.	3DL	Kreis, William J.
3BE	Critchlow, P. Davey.	3DM	
3BF	Richter, Harry A.	3DM 3DN	Page, John C.
3BG	Clark, Edwin T.		France, A. Ward.
3BH	Flather, Bryan S.	3DO	Maxson, Donald L.
3BI	Trieschman, Edward T.	3DQ	Smith, G. Victor.
3B <b>J</b>	Henderson, Frank	3DR	Eyster, James A.
3BK	Bryce, Stanley C.	3D8	Parks, Walther A.
3BL	Beach, Harry L.	3DT	Wells, William C., jr.
3BM	Allen, George Y.	3DU	Louchheim, William S.
3BN	Egan, John E.	3DV	Uphoff, Frank B.
3BO	Brady, John B.	3DW	Hermanns, A. Walter.
3BP	Blackwood, George C.	3DX	Lukens, Wilfred P
3BQ	Eller, George O.	3DY	Miller, Frederick E.
3BR	Crothers, Harry W.	3DZ	Fisher, Roy S.
3BS	Wolff, William J.		1
3BT	Hoffman, W. Hollis.	∥ 3EA	Brashears, Paul B.
3BU	Wilson, Arthur J.	3EB	LaSalle College.
3BV	Bacon, Franklin F.	3EC	Thomson, Henry A.
3BW	Campbell, John W.	3ED	Legg, Albert A.
3BX		3EE	Nikirk, Thomas E.
3BY	Carpenter, C. Ellwood, jr.	3EF	Reiff, W. Norman.
3BZ	Ilyus, Edmund B.	3EG	Owen, A. Thomas.
3DZ	Leister, Fayette.	3EH	Powell, Edwin L.
004	A 3 - 11 - 7	3EI	Kumler, Kelvin C.
3CA	Adelberger, Adrian J.	3EJ	Primrose, Donald L.
3CB	Moore, Earl T.	3EK	Moore, Daniel D.
3CC	Biddle, Howard L., jr.	3EL	Fricke, Henry W. L.
3CD	Thorman, Charles D.	3EM	Heyser, Wilber A.
3CE	Upman, Edgar A.	3EN	Whitney, Lucien S.
3CF	Laager, Creston F.	3EP	Kennedy, Joseph H.
3CG	Pauly, Robert.	3EQ	MacKendrick, Robert G.
3CH	Ferris, Malcolm.	3EŘ	Maryland School of Tele
3CI	Cook, Howell E.	0224	raphy.
3CJ	Imfield, Fred H.	3E8	Martin, E. Linton.
3CK	Moody, Matthew C.	3ET	Alber, Robert C.
3CL	Coleman, Walter V.	3EU	Shelley, F. Cheston.
3CM	Van Horn, J. Clunn.	3EV	
3CN	Ashton, Leon W.	3EW	Brannan, Julian L.
3CO	Campbell, James S.	3EY	Scheffey, Ralph B.
3CP	Bunting, George M., jr.		McIntyre, William.
3CQ	Yeager, George R.	3EZ	Koller, Donald B.
3CR	Ellis, William G.	OTEA	D Balain I
3CS	Baker, Harold Z.	3FA	Davis, Edwin L.
3CT	Nassau, James A.	3FB	Darby, George B., jr.
3CU	Gauss, Harry W.	3FC	Weik, Charles F.
3CV	Rohrer, Harry B.	3FD	Simon, Walter.
3CW	Lange, J. Robert.	3FE	Rabl, Samuel.
3CX		3FF	Dempster, Warren J.
	Parichy, Emery.	3FG	Godfrey, James M.
3CZ	Wheatley, Douglas N.	3FH	Smith, Sewell P.
070.4	D	3FI	Wever, John A.
3DA	Peterson, Raymond E.	3FJ_	Knowles, Edward P., jr.
3DB	Perry, Willard P., jr.	3FK	Schleher, Paul H.
3DC	Bergen, Donald M.	3FL	Pearson, Roland D.
3DD	Work, Ashton G.	∥ 3 <b>FM</b>	Channell, John W.

AMATEUR RADIO STATIONS—THIRD DISTRICT—ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
3FN	Deichmiller, Alvin.	знү	Derr, Francis S.
3FO	E. I. du Pont De Nemours Powder Co.	3HZ	Delbert, Simon, jr.
3FP	Stratton, Milton W.	3IB	Sherrill, Arthur M.
3FQ	Clark, William R.	3ID	Hasenfus, Joseph F.
3FR	Densten, E. Craig.	3IE	Jacobson, Bernard H.
3F8	Harwood, Theodore O.	3IF	Godfrey, Earle.
3FT	Dudley, DeWitt C.	3IG	Zabel, Roy E.
3FU	Wunder, William F.	3IH	Eisele, Edward, jr.
3FV	Edwards, Charles.	3IK	Snyder, Harry H.
3FW	Strailman, Gilbert T.	3ĪL	Pawson, James M.
3FX	Bonsall, Thomas F.	3IM	Chambers, Joseph D.
3FY	Devlin, John L.	3IN	Vogel, Charles C.
3FZ	Adam, William.	310	Shreve, Aaron F.
		3IQ	Knoll, Lloyd M.
3GB	Rohrich, George J.	3IR	Wallace, Lewis J.
3GC	Bach, Earl C.	3IT	Stritzel, Alfred H.
3GE	Nadig, Stanton E.	3ĪV	Wilson, Willard S.
3GF	Bryce, Stanley C.	3ÎX	Field, Harry P.
3GG	Moor, Percy W.	3IY	Tolbert, Warren B.
3ĞĤ	MacDonald, Stuart.	3IZ	Faunce, B. Warren.
3GI	Pelham, Fred B.	0	
3ĜĴ	Doughty, William R.	злв	Petit, Ernest L.
3GK	Troth, Raymond H.	มีD	Wolcott, Roger G.
3GL	Meck, Michael.	3JE	Dickerson, E. Stuart, jr.
3GM	Fellows, J. Howard.	3JF	Apfelbaum, Martin.
3GN	Board of Public Education,	3JG	Stoughton, Henry F.
0021	Philadelphia, Pa.	3JH	Brockman, Francis C.
3GO	Norcross, Earl L.	3JI	Burdette, Aubrey W.
3ĞQ	Miller, Kelly, jr.	311	Borgmann, Frederick J.
3GŘ	Wood, Richard M.	3JK	Borgmann, Frederick J. Schnable, Stanley E.
3 <b>G</b> S	McCafferty, Rea B.	3JL	McCaskey, Edward R.
3GT	Searle, William J., jr.	3JM	Freedom, Leon.
3GŪ	Hopkins, Robert E.	3JN	Frankenfield, Albert L.
3GV	Laber, Joseph M.	310	Hicks, A. Willett, jr.
3GX	Robinson, George C.	3JP	Rowe, Charles R.
3GY	Staub, James.	3JQ	Benson, Thomas W.
3ĞZ	Backe, Louis M., jr.	3JŘ	Snow, Harold A.
		3JS	Beekley, Francis C.
3HA	Wiseman, Luther B.	3JT	Hampson, George M.
3HB	Taylor, Sidney L. M.	3JU	Fenimore, Robert S.
3HD	Haake, William F.	3JW	Broadbelt, J. Edward, jr.
3HE	Parks, Laurence W.	3JX	Hoagland, Donald.
3HF	Weiss, Simon.	3JY	Hann, Charles B.
3HG	Smith, W. P.		, ·
3HH	Place, Samuel W.	3KA	Smith, Norborne G.
3HI	Stepp, John W.	3KB	Goodall, Alfred B.
3HJ	Bradley, Horace E. Stokes, Josiah T.	3KC	Flynn, Thomas F.
3HK	Stokes, Josiah T.	3KD	Noel, James F.
3HL	Nielsen, Harold, jr.	3KF	Green, Anthony J.
3HM	Hickman, Paul W.	3KI	Stanley, John S.
3HN	Schuck, Leon H.	3 <b>KJ</b>	Worrest, Howard A.
3HO	Fithian, Wm. S., jr.	3KK	Hofmann, George A.
3HP	Sheetz, George F.	3KL	Wagner, William H.
3HQ	Schuller, Joseph T.	3KM	Gray, Gerald.
3HŘ	Harmer, Robert H.	3KN	Barr, Richard H.
3H8	Murray, Eugene M.	3KO	Chalmers, Edwin L.
3HT	Falkenberg, August E.	3KP	Myers, Roy R.
3ĤŪ	Witmer, Charles T.	3KQ	Wexler, Bernard.
3HW	Bidwell, George L.	3KŬ	Reynolds, Edwin I
3HX	Kratz, Herman A.	3KX	Knight, G. Webber, jr.

### 114 BUREAU OF NAVIGATION, DEPARTMENT OF COMMERCE.

Amateur Radio Stations—Third District—Alphabetically by Call Signals—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
BKY	Preston, James E.	3NJ	Wicks, Preston S.
KZ	Roberts, Harold A.	3NK	Godfrey, Howard L.
J112	Teoperus, Haword II.	3NL	Behm, L. F. F.
BLA	Levin, Davis.	3NM	
		3NN	Haldeman, George E.
BLB	Iddings, Frederick T.		Wallen, Francis B.
BLC	Eberly, Jacob A., jr.	3NO	Sleath, Robert W.
3LD	Pisani, Sylvester.	3NP	Jones, La Frantz.
3LF	Shreiner, Carl H.	3NQ	Morley, Augustin H.
3LG	Lyons, Harry H.	3NR	Croll, Robert S.
BLH	Weise, Leonard.	3NS	Parker, Joseph P.
3LI	Heck, Lewis O.	3NT	Melton, J. Carroll.
3LJ	Anderson, Joseph L.	3NU	i Kanit, William Q.
3LK	Martin, Robert C.	3NV	Robey, V. C. K. Burke, Thomas J.
3LL	Van Horn, J. Orville.	3NW	Burke Thomas I
3LM	Faries, Walter R.	3NX	Wells, John M.
		3NY	
3LN	Doyle, John E.		Steele, Sherman E.
3LO	Godfrey, Clarence M.	3NZ	Branin, Manlif L.
3LP	Densham, Harry W.		
3LQ	Birch, Stanford S.	3OA	Urner, Jos. W.
3LR	Cooper, William F.	30B	Kennedy, Ignatius L.
3LS	Zito, Vincent.	3OC	Wegner, Arthur H.
3LT	Dunbar, Lewis T.	3OD	Hall, Leroy.
3LU	Ellis, J. Elton.	30E	Titus, George E.
3LV	Griffin, Aloysius.	30F	Talbot, George L.
3LW	Waite, John W.	30G	Jones, John W.
3LY	Harris, William J.	30H	Levy, Lewis.
			Levy, Lewis.
3LZ	McCullough, Earl N.	30I	Lehmberg, Henry.
	2 27 11 77	30J	Pool, J. Alexander.
3MA	Downes, Marlboro K.	30K	Kerr, William C.
3MB	McKee, W. Wesley.	30L	Grant, Arthur F.
3MC	Pillsbury, Martin K.	3OM	Mooney, John jr.
3MD	Dulany, Franklin R.	30N	Matos, Walter A.
3ME	Lamdin, Charles R.	∥ 300	Hindin, Louis N.
3MF	Hitchner, Clyde G.	30P	Fink, Louis, 3d.
3MG	Mervine, Watson M.	30Q	Bryson, Harold E.
змн	Markham, Lester M.	30R	Signor, Frederick H.
3MI	Nash, Clifford S.	30S	Lafferty, Francis A.
3MJ	Megowen, Horace L.	30T	Faust, Elmer J.
3MK		3OU	
	Wilson, William P.		Schwering, Harry C., jr.
3MM	King, Albert.	3OV	Jacoby, Arthur C.
3MN	Rollins, Thomas E.	30W	Patchel, Robert E.
3МО	Bickel, E. Clifton.	30X	Wick, Arthur.
3MP	Cohen, Henry.	30Y	Le Faucheur, Albert R.
3MQ	Trumbower, Raymond.	<b>3</b> 0 <b>Z</b>	Collins, Benjamin W.
3MR	Toner, James I.	1	
3MS	Barnhart, Lawrence W.	3PA	Schlichting, E. N. E.
3MU	Baily, William J., jr.	3PB	Zorger, Daniel H.
3MV	Whitaker, Lorenzo D.	3PC	Abbott, E. H. B.
3MW	Poalk, James L., jr.	3PD	Meyer, Emil J.
3MX		3PE	Bassett, William W.
	Barker, Thomas H., jr.		
3MY	Spaulding, Ralph F.	3PF	Postpichal, Otto I.
		3PG	Proudley, Charles E.
3NA	Zang, Joseph A., jr.	3PH	Harris, Edwin R.
3NB	Frye, Marcus, jr.	3PI	Atlee, Franklin.
3NC	Dalling, Howard.	3PJ	Harris, S. Sylvan.
3ND	Hirst, Arthur C.	3PK	McGear, Herbert K.
3NE	Passano, Leonard W.	3PL	Ballentine, Chas. S.
3NF	Gaskill, William W.	3PM	Lusse, Richard N.
3NG	Raser, Edward G.	3PN	Pemberton, Henry R.
3NH	Bierfreund, Max A.	3PO	Watson, James B.
ULTIL	Digitioully Max V.	ll or O	TO ALCOUNT, JAMES D.

AMATEUR RADIO STATIONS—THIRD DISTRICT—ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
3PQ	Strieby, Malcolm.	3RY	Turner, Morris C., jr.
3PŘ	Ramsay, E. Frank.	3RZ	Barrett, Montague W.
3PS	Holt, Clarence J.	0	
3PT	Creager, E. Clark.	38A	Requa, Fred A.
3PU	Smith, Hubert H.	3SB	Van Hulsteyn, J. M. C.
3PV	Bunting, Theodore R.	3SC	Ecton, Albert F.
3PW	Philadelphia School of Wire-		Shafer, Albert G.
21 11		3SE	Hyatt, C. Brown.
Y CF C	less Telegraphy. Howard, H. Trumbull.	3SF	Peter, Armistead, 3d.
3PX		3SG	
3PY	Bergey, H. Leon.		Speakman, Edwin G., jr.
3PZ	Griffith, Elmer G.	3SH	Kenyon, Walter R.
20.4	O'Deien Francis I		Williams, Harvey.
3QA	O'Brien, Francis J.	3SJ	Glenn, Charles R.
3QB	Derbyshire, Agnew W.	3SK	Baxley, C. Herbert.
3 <b>Q</b> C	Lanning, John M.	3SL	Knoppel, Herman L.
3QD	Andersen, Frederick J.	3SM	Burnett, A. Elmo.
3QF	Haig, J. Donald.	3SN	Bourgeois, Edmund R.
3QG	Landis, Harold O.	3SO	Bradshaw, R. B.
3QH	Fusselman, John.	3SP	Polk, Charles P.
3Q1	Cameron, Lloyd W.	3SQ	Doughty, D. Roland.
3 <b>Q</b> 1	Crowley, Robert H.	3SR ·	Anderson, John A.
3QK	Adams, Leslie H.	388	Brany, Emil B.
3QL	Tapley, Robert E.	3ST	Chappell, Ralph R.
3QM	Varnes, Earl W.	3SU	Seeley, Alfred J.
BQN	Zinszer, Harvey A.	3SV	Gerhart, Samuel R.
3QO	Hake, Elias G.	3SW	Barnard, Julian W.
3QP	Fulton, Harold E.	3SX	Gieske, Alfred W., jr.
3QQ	Caseady, Park H.	3SY	Barretta, Valroy S.
3QR	Underhill, Chester R.	3SZ	Herndon, Landon C.
3QS	Stubbs, Thomas H.		l
3QT	Cordeman, Roy C.	3TA	Piper, S. Webster.
3QU	Deichmann, George L., jr.	3TB	Judson, Elbert B.
$\mathbf{QV}$	Hall, Robert S.	3TC	Landis, Harry.
$\mathbf{Q}\mathbf{W}$	Harsch, Lawrence P.	3TD	Miller, Harry G.
$\mathbf{QX}$	Worcester, Paul S.	3TE	Huyette, Paul B.
$\mathbf{QY}$	Nees, Milton.	3 <b>TF</b>	Ebert, Burton E.
3QZ	Service, Charles A., jr.	3TG	Murphy, Clement H.
	1	3TH	Tabb, Vincent W.
BRA	Messinger, Miles B.	3TI	Nichols, Crawford V.
BRB	Lewis, Ellis.	3TJ	Edson, Howard D.
BRC	Fenton, Edward T.	3TK	Savage, Thomas A.
BRD	Dimling, Rudolph G. A.	3TL	Bowes, Joseph J.
BRE	Langaker, Abram.	3TM	Rash, Franklin L.
BRF	Wallace, William D.	3TN	Venn, Silas N.
BRG	Bowman, Philip W.	3TO	Pent, Robert E.
RH	Kline, H. N. Gay.	3TP	Brittingham, Otie B.
BRI	Hodges, R. L. L.	3TQ	Andrews, Edward C.
$\mathbf{RJ}$	LaRue, Robert G.	3TR	Fell, David B.
RK	Meyer, Howard J.	3TS	Turner, Alfred W.
RL	McClellan, Frederick W.	3TT	Kindt, Charles F., jr.
BRM	Phillips, Albert L.	3TU	McAnally, Charles G.
RN	Ramsey, Howard N.	3TV	Blanford, Irving.
RO	Garver, Edwin II.	3TW	Leslie, Malcolm C.
BRP	Kirby, Elmer S.	3TX	Philadelphia Turngemeind
RQ	Haae, Jerome S.	omze	Club.
BRR	Roeller, Harold C.	3TY	Krone, Julian E.
BRS	Vollten, Theodore F.	3TZ	Kellert, Charles.
BRU	Hoff, J. Marshall.	OTTA	Cill and Trame D. in
BRV	Hammill, McClintock, jr.	3UA	Gilbert, Harry P., jr.
BRW BRX	Redgrave, deWitt C. Nisley, Paul II.	3UC	Howell, S. Van S.
	I DINGLOSS MONTH L	∥ 3UD	Mundy, Elmer.

### 116 BUREAU OF NAVIGATION, DEPARTMENT OF COMMERCE.

## Amateur Radio Stations—Third District—Alphabetically by Call Signals—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
3UF	Howlett, Joseph T. F.	3VN	Ways, Clarence I.
3UG	Dearden, Rowland R., 3d.	3VP	Rothman, Charles.
3UH	Rivers, William L.	3VQ	Uphoff, Frank B.
3UI	George, John R.	3VŘ	McVicker, W. Patton,
3UJ	Campbell, James D.	3VS	French, Edward R., jr.
3UK	Peyser, Philip S.	3VT	Seidenberg, Frank.
3UL	Lyon, Raymond S.	3VŪ	Nikirk, Thomas E.
3UM	Durham, Edmund B.	3VV	Rose, Harold W.
3UN	Carpenter, C. Ellwood, jr.	3VW	Uphoff, Frank B.
3UO	Radio Apparatus Co. of	3VX	Flounders, Newton.
	America.	3VY	Beresford, Rees H.
3UP	Howlett, Joseph T. F.	3VŽ	Orlando, Frank.
3UQ	Howlett, Joseph T. F.	0 1 2	Olimbo, Plane.
3UŘ	Cohan, William W.	3WA	Beck, Russell G.
3US	Holcombe, Alex. H., jr.	3WB	Frye, Marcus, jr.
3UT	Cianfrani, Theodore.	3WD	Moyer, Luke I.
3UU	Schuck, Leon H.	3WE	Wohlford, John F.
3UV		3WF	Huyler, Rollin M.
3UW	Ross, John W.	3WH	Wood, Horace.
3UX	Call, J. Richard.	3WJ	
3UY	Loughlin, John K.		Alden, John H.
	Gordon, Horace W.	3WK 3WL	Slifer, Wallace P.
3UZ	Braidwood, Thomas W.		Davis, Raymond.
037.4	Duckey Wiles W	3WM	Cloman, William E.
3VA	Durham, Wilson N.	3WN	Gaty, John P. and Lewis F
3VB	Reuther, Harry R.	3WO	Goodwin, Harold F.
3VC	Rancetelli, Ernani.	3WP	Cox, T. Newell.
3VD	Lamb, Franklin.	3WQ	Lower Marion High School
3VE	Brenner, Samuel.	3WR	Pyle, W. A. Faries.
3VF	Tompkins, E. Randolph.	3WS	Beaumont, Robert H.
3VG	Wood, Frederick B.	3WT	Young, Walter T.
3VH	Stickell, Daniel R.	3WU	Kressel, Gordon.
3VI	Egner, John.	3WV	Becker, Frank F.
3VJ	Harvey, Edmund H.	3WW	Bernert, Joseph, jr.
3VK	Griffith, Dorsey J.	3WX	Goebel, Eugene S.
3VL	Bernstein, Abe R.	3WY	Basford, Robert F.
3VM	Baynes, Ralph J.	3WZ	Delbert, Simon, jr.

### 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.
			Watts.
4CU	Allen, Glenn L	St. Petersburg, Fla	125
4CB	Allston, William F	8 Colonial St., Charleston, S. C	344
4BA	Avant, Marion C	806 N. 4th St., Wilmington, N. C	200
4CA	Babington, Kenneth	Gastonia, N. C	48
4BZ	Barber, Edward D	508 13th St., Columbus, Ga	165
4BX	Blackburn, Henry E	1416 Price St., Savannah, Ga	88
4CQ	Blankenship, Elliott E.		24
4CC	Bowles, Raymond A	1909 10th Ave., Columbus, Ga	250
4CH	Brannon, Stephen G	208 13th St., Columbus, Ga	250
4CS	Buck, C. Howard	St. Petersburg, Fla	36
4CI	Carr. John M.	821 1st Ave. N., St. Petersburg, Fla	36
4CK	Clodfetter, Charles W	41 S. Pleasant St., Winston-Salem, N. C.	555

### AMATEUR RADIO STATIONS—FOURTH DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued. .

4CE 4BN 4BF 4AE 4AZ 4CN 4BE 4CM 4AI 4AI 4AX	Conn, Albert L	75 4th Ave. N., St. Petersburg, Fla	Watts
4BN 4BF 4AE 4AZ 4CN 4BE 4CM 4AI 4AX	Cross, K. E		44
ABF AAE AAZ ACN ABE ACM AAI		D (M D)	-377
IAE IAZ ICN IBE ICM IAI		Port Tampa, Fla	
AE AZ CN BE CM AI AX	Dane, Seymour	1140 13th St., Miami, Fla	50
AZ ICN IBE ICM IAI	Davis, Loren V	St. Petersburg, Fla.	(
ICN IBE ICM IAI	Dunk, Thomas R	1424 Laura St., Jacksonville, Fla	5
BE ICM IAI IAX	Falks, Robert L	87 Mary St., Waycross, Ga.	
CM AI AX		S. N. S. Station, Athens, Ga.	5
AI AX	Fowler, Carl A.		
AX	French, William A., 3d	107 S. 4th St., Wilmington, N. C.	
	Gibson, Isaac A., jr	403 E. Bolton St., Savannah, Ga	
ICP	Gordon, Clarence M	Ocilla, Ga	99
	Guimaraes, Abilio S	298 Highland Ave., Atlanta, Ga	50
BJ	Hall, Edward R	532 Beach Drive, St. Petersburg, Fla	7
BR	Hamilton, George H	209 W. Gordon St., Savannah, Ga	
BY	Herzog, Max A	16 Faith Ave., Atlanta, Ga	
CO	Howald, George A	Decatur, Ga.	2
AF	Humphrey, Arthur L	1105 Market St., Wilmington, N. C	5
CG	Hussey, J. A.	402 Hall St. W., Savannah, Ga.	3
-	Voon Dovid W		3
CF	Keen, David W	117 5th St. N., St. Petersburg, Fla.	
CR	Keiger, J. Lee	1140 Balsley St., Winston-Salem, N. C	
BĨ	Kreis, Joseph W., jr	655 S. Pryor St., Atlanta, Ga	
IAL	Kruger, Charles E	11 Bates Ave., Kirkwood, Ga	5
BR	Leonard, Rudolph	. 209 W. Gordon St., Savannah, Ga	
IAQ	Marsh, William A	R. F. D. No. 1, Miami, Fla	
BL	Matheson, Hugh M	Key Biscayne, Fla	:
AU	Matheson, Hugh M	Cocoanut Grove, Fla	:
CT	McIlvaine, Victor C	208 Verno St., Tampa, Fla	2
BG	McMillan, Drayton A	Bamberg, S. C.	
AB	Meltzer, Isador	627 Margaret St., Key West, Fla	2
CL	Merriam, Francis F	College Park, Ga.	2
CJ	Morgan, Sidney S	1821 W. Broad St., Savannah, Ga	3
AA	Pope, Wilbur B.	197 Dearing St., Athens, Ga	4
BT			
	Powell, Dwight E	715 E. Washington St., Orlando, Fla	
BB	Rankin, Robert G., jr	3 N. 9th St., Wilmington, N. C.	
AC	Rice, Elmer L	1702 E. Duval St., Jacksonville, Fla	5
BK	Simons, Mayrant	Summerville, S. C	1.0
CV	Smith, James E	Townsville, N. C	
AO	Smoot, Lloyd D	1443 Laura St., Jacksonville, Fla	
AW	Wall, Patrick H	258 Plant Ave., Tampa, Fla	9
AG	West End Wireless Club.	105 Lawton St., Atlanta, Ga	1
AK	Whiting, Charles T	R. F. D. No. 6, Gainesville, Fla	1 7
AP	Whittaker, Alan D., jr.	221 E. 10th St., Atlanta, Ga.	
BH	Wikle, James R	619 S. Pryor St., Atlanta, Ga.	3

#### ALPHABETICALLY BY CALL SIGNALS.

Call signal.	Owner of station.	Call signal.	Owner of station.	
4AA	Pope, Wilbur B.	4AQ.	Marsh, William A.	
4AB	Meltzer, Isador.	4AŬ	Matheson, Hugh M.	
4AC	Rice, Elmer L.	4AW	Wall, Patrick H.	
4AE	Davis, Loren V.	4AX	Gordon, Clarence M.	
4AF	Humphrey, Arthur L.	4AZ	Dunk, Thomas R.	
4AG	West End Wireless Club.		· ·	
4AI	Gibson, Isaac A., jr.	4BA	Avant, Marion C.	
4AK	Whiting, Charles T.	4BB	Rankin, Robert G., jr.	
4AL	Kruger, Charles E.	4BE	Fowler, Carl A.	
4AO	Smoot, Lloyd D.	4BF	Dane, Seymours.	
4AP	Whittaker, Alan D., jr.	4BG	McMillan, Drayton A.	

### 118 BUREAU OF NAVIGATION, DEPARTMENT OF COMMERCE.

## AMATEUR RADIO STATIONS—FOURTH DISTRICT—ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
4BH	Wikle, James R.	4CF	Keen, David W.
4BI	Kreis, Joseph W., jr.	4CG	Hussey, J. A.
4BJ	Hall, Edward R.	4CH	Brannon, Stephen G.
4BK	Simons, Mayrant.	4ČI	Carr, John M.
4BL	Matheson, Hugh M.	4ČJ	Morgan, Sidney S.
4BN	Cross. K. E.	4CK	Clodfetter, Charles W.
4BR	Hamilton, George H., and	4CL	Merriam, Francis F.
	Leonard, Rudolph.	4CM	French, William A., 3d.
4BT	Powell, Dwight E.	4CN	Falks, Robert L.
4BX	Blackburn, Henry E.	4CO	Howald, George A.
4BY	Herzog, Max A.	4CP	Guimaraes, Abilio S.
4BZ	Barber, Edward D.	4CQ	Blankenship, Elliott E.
	,	4CR	Keiger, J. Lee.
4CA	Babington, Kenneth.	4CS	Buck, C. Howard.
4CB	Allston, William F.	4CT	McIlvaine, Victor C.
4CC	Bowles, Raymond A.	4CU	Allen, Glenn L.
4CE	Conn, Albert L.	4CV	Smith, James E.

### 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 & Mechan-	College Station, Texas	Watts.
	ical College.		
5AJ	Antony, Willie	1906 Laurel St., Shreveport, La	1,000
5BD	Asdorin, Levon	1529 Calliope St., New Orleans, La	25
5BF	Behre, Joseph C	1012 Kerlerec St., New Orleans, La	250
5AR	Beynon, Eugene T	Rockport, Texas	400
5CU	Booth, Daniel M	318 S. Claiborn St., Mobile, Ala	100
5CO	Bowling, James A	1212 Prairie Ave., Houston, Texas	24
5BW	Brown, Max T	1017 Cumberland St., Little Rock, Ark	60
5AM	Brownell, Harold S	1512 Phelan St., Birmingham, Ala	500
5BQ	Campbell, Gregory D	Beeville, Texas.	30
5CQ	Casey, Robert H	606 N. Maine St., Cleburne, Texas	770
5CT	Churchill, Charles W	Caldwell, Texas.	300
5BV	Clayton, John M	1301 Welch St., Little Rock, Ark	450
5CR	Cochran, George D	1920 Alabama Ave., Bessemer, Ala	250
5BJ	Corlett, Frank M	1101 E. 8th St., Dallas, Texas	1,000
5CK	Cox, Houston A	524 Jackson St., Starkville, Miss	1,000
5BR	Curtis, Earnest M	350 Solma St., Mobile, Ala	440
5AU	Darwin, Tyler	1205 N. 9th St., Waco, Texas	30
$5A\Lambda$	Deeley, Paul M	535 Proctor St., Waco, Tex	950
5CG	Dibble, George B	112 Martha St., Montgomery, Ala	
5AQ	Goldstein, Henry R	1819 Octavia St., New Orleans, La	200
5AS	Goodman, Louis N	300 E. Main St., Starkville, Miss	1,000
5BI	Harrison, Jackson W	800 Highland Ave., Montgomery, Ala	770
5CH	Hecker, Joseph L	1911 Mandeville St., New Orleans, La	50
5AI	Ince, Carl	602 N. Findly St., Norman, Okla	30
5AZ	James, Russell R	321 W. Montgomery St., Memphis, Tenn.	500
5AG	Johannsen, John, jr	Lafayette Ave. and Miro St., New Or-	20
5CI	King, William J	leans, La. 462 Γine St., New Orleans, La	750
5CM	Kirchner, Otto E	18 Terrell St., Mobile, Ala	12
5BK	Leroy, Louis	1005 Rayner Ave., Memphis, Tenn	1,000
5AV	Macke, William, jr	2414 Painter St., New Orleans, La	450

Call signal.	Owner of station.	Location of station.	Power.
5BL	Marks, George M., jr	615 S. Perry St., Montgomery, Ala	Watts.
5CV	Martin, Roy	100 W. Lampkin St., Starkville, Miss	3
5BS	McLain, Robert M	513 W. Clinton St., Huntsville, Ala	1,000
5AO	Mercier, Walter H	1640 Carrollton Ave., New Orleans, La	330
5BE	Mollenhauer, Arthur E.	Grand Ave., New Braunfels, Tex	800
5CP	Moore, Frank C	7509 St. Charles Ave., New Orleans, La.,	110
5BH	Nebe, Harold G	402 Nashville Ave., New Orleans, La	20
5CB	Nelson, Paul E	1012 S. 18th St., Fort Smith, Ark	18
5CE	Preis, Robert J	4433 S. Rampart St., New Orleans, La	
5BC	Reynolds, Gordon P., jr.	906 Arabella St., New Orleans, La	18
5AD	Rorshach, Harold E	619 North E St., Muskogee, Okla	870
5BN	Salzer, Harry S	2322 N. Villere St., New Orleans, La	450
5BY	Sams, Ernest E	508 Market St., Muskogee, Okla	15
5CC	Seiple, Gus A., jr	55 Parham St., Mobile, Ala	495
5CJ	Sharp, Harry M	Central High School, Memphis, Tenn	1,000
5AE	Snarr, Kenneth A	1200 S. 10th St., Fort Smith, Ark	385
5AT	Stone, Frank M	7919 Jeannette St., New Orleans, La	1,000
5AW	Stough, Robert A	R. F. D. No. 1, Fort Smith, Ark	750
5BU	Sweetman, Frank M	930 N. 11th St., Waco, Texas	330
5AP	Thompson, Vance M	267 Pasadena Pl., Memphis, Tenn	660
5CD	Tisdel, William L	814 W. Okmulgee Ave., Muskogee, Okla.	15
5BA	Toups, Roy N	1512 Ursuline St., New Orleans, La	125
5CF	Uhalt, William J	5933 Constance St., New Orleans, La	500
5CA	Wilson, Harry T	898 Saxon Ave., Memphis, Tenn	250
5CN	Worner, Urban D	1052 City Park Ave., New Orleans, La	495

### ALPHABETICALLY BY CALL SIGNALS.

Call signal.	Owner of station.	Call signal.	Owner of station.
5AA	Deeley, Paul M.	5BN	Salzer, Harry S.
5AC	Agricultural and Mechanical	5BQ	Campbell, Gregory D
	College of Texas.	5BŘ	Curtis, Earnest M.
5AD	Rorshach, Harold E.	5BS	McLain, Robert M.
5AE	Snarr, Kenneth A.	5BU	Sweetman, Frank M.
5AG	Johannsen, John, jr.	5BV	Clayton, John M.
5AI	Ince, Carl.	5BW	Brown, Max T.
5AJ	Antony, Willie.	5BY	Sams, Ernest E.
5AM	Brownell, Harold S.	5CA	Wilson Horns T
5AO	Mercier, Walter H.	5CB	Wilson, Harry T.
5AP	Thompson, Vance M.	5CC	Nelson, Paul E.
5AQ	Goldstein, Henry R.	5CD	Seiple, Gus A., jr.
5AŘ	Beynon, Eugene T.	5CE	Tisdel, William L.
5AS	Goodman, Louis N.	5CF	Preis, Robert J.
5AT	Stone, Frank M.	5CG	Uhalt, William J.
5AU	Darwin, Tyler.	5CH	Dibble, George B.
5AV	Macke, William, jr.	5CI	Hecker, Joseph L.
5AW	Stough, Robert A.	5CJ	King, William J.
5AZ	James, Russell R.	5CK	Sharp, Harry M.
5BA	_	5CM	Cox, Houston A. Kirchner, Otto E.
5BC	Toups, Roy N. Reynolds, Gordon P., jr.	5CN	Worner, Urban D.
5BD	Asdorin, Levon.	5CG	
5BE	Mollenhauer, Arthur E.	5CP	Bowling, James A. Moore, Frank C.
5BF		5CQ	Casey, Robert H.
эдг áB <b>h</b>	Behre, Joseph C. Nebe, Harold G.	5CR	
5BI	Harrison Jackson W	5CT	Cochran, George D.
5BJ	Harrison, Jackson W.	5CU	Churchill, Charles W
эв <b>у</b> 5ВК	Corlett, Frank M.	5CV	Booth, Daniel M.
5BL	Leroy, Louis.	90 V	Martin, Roy.
ODL	Marks, George M., jr.		

### AMATEUR RADIO STATIONS-Continued.

### 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
			Watts
6LF	Alexander, Lee	182 Flora St., Bell, Cal	3
6440	Alexander, Willard B	219 W. 24th St., Los Angeles, Cal	44
6PF	Allen, Preston D	1410 West St., Oakland, Cal	55
6SW	Anderson, Elroy E	80 Barson St., Santa Cruz, Cal	25
6VM	Anderson, Herbert E	Lindeau Cal	22
	Anderson, William A	Lindsay, Cal	
6AX	Anderson, William A	020 Falos verdes St., San Fedro, Cal	33
6KY	Andrews, Harold S	2221 W. Jefferson St., Los Angeles, Cal	50
6DM	Archer, Robert P	2912 S. Flower St., Los Angeles, Cal	3
6FA	Arnberger, Frank, jr	3230 Garfield Ave., Alameda, Cal	1,00
6UA	Asadoorian, Theodore N.	1205 Garfield Ave., Pasadena, Cal	44
6AA	Aster, Alvin K	910 Chestnut St., Alameda, Cal	1,00
6EG	Aten, Arthur B	428 Clark St., Sherman, Cal	25
6IC	Austin, Russell F	210 3d St., Riverside, Cal	25
6QX	Austin, Russell F Baird, Maxfield A	913 Main St., Carona, Cal	75
6VJ	Barbour, Joseph L	217 W. 8th St., Hermosa Beach, Cal	1,00
6AO	Bargar, Avery E	Lawndale, Cal	44
6QL	Barker, Waldo W	331 Lighthouse Ave., Pacific Grove, Cal	2
6PX	Barlow, Roy	4219 Morgan Ave., Los Angeles, Cal	38
TÜ	Barnett, Thomas T	3426-A 19th St., San Francisco, Cal	1,00
6FJ	Barnum, Coit L	9034 Hillside Ave., Oakland, Cal	50
6LB	Barton, Larry J	19 Crystal Springs Rd., San Mateo, Cal	
	Roston Cyril E		1,00
BAAU	Baston, Cyril E	3865 Wilson St., East San Diego, Cal	2
SEB	Bazzini, Ěmil M. H	2734 Gough St., San Francisco, Cal	33
SAAP	Beal, Ira A	Campbell, Cal	5
SAJ	Bean, James	755 University Ave., San Jose, Cal	4
KZ	Beaver, Gerald A	1533 Court St., Alameda, Cal	1,00
STN	Beckman, Philip E	821 14th St., San Francisco, Cal	50
SNR	Belden, Marion	831 4th St., Santa Rosa, Cal	22
6CU	Bell, Albert E	750 Summit Ave., Pasadena, Cal	90
SA M	Benn, Julius A	237 Devesadero St., San Francisco, Cal	50
SAAR	Bennett, Dudley W	Santa Cruz, Cal	10
VE	Beraldo, Dewey	Avalon, Cal	22
$L\bar{X}$	Beraldo, Dewey Berlin, Latham	Avalon, Cal 1525 Chestnut St., Alameda, Cal	11
PA	Besley, Stephen II	171 E. 7th St. South, Salt Lake City, Utah.	50
ABM	Bevitt, Edwin R	3914 3d St., San Diego, Cal	25
EF	Biddle, Charles J	Berkeley, Cal.	2
JD	Rinney John	4050 Brighton Avo. Los Angolos Col	40
SAAW	Binney, John	4050 Brighton Ave., Los Angeles, Cal	
LA		466 E. California St., Pasadena, Cal	25
IJ	Blochman, Lawrence G	3260 lst St., San Diego, Cal	50
	Boehme, Herbert L	1437 6th St., Santa Monica, Cal	55
AH	Botts, James	2644 23d Ave., Oakland, Cal	4
AL	Brandis, Fred A	214 W. San Carlos St., San Jose, Cal	1.
RA	Brandt, Robert L	322 Grand Blvd., San Mateo, Cal	1,00
ND	Breck, F. Bon	285 Mather St., Oakland, Cai	5
DA	Brown, Ralph E	838 E. 22d St., Los Angeles, Cal	27
PZ	Brown, Robert L	634 Franklin St., Napa, Cal	1,00
AAX	Brummeler, John A	634 Franklin St., Napa, Cal. 1001 Orange St., Redlands, Cal	22
SABN	Brummeler, John A Brunner, Albert W	5918 Towne Ave., Los Angeles, Cal	50
AWE	Buckingham, Eldridge	2760 Scott St., San Francisco, Cal	25
FY	Buell, Clarence R	732 56th St., Oakland, Cal	25
RY	Bullard, Orlan K., jr	1655 10th St., San Diego, Cal.	55
so	Bunting, Howard S	109 Forest Ave., Pacific Grove, Cal	1,00
BJ	Bunting, Lawrence	Contempille Cal	
DZ	Caldwell, Duncan K	Centerville, Cal	50
NX	Calvert, Paul P	427 Crane Ave., Turlock, Cal	33
	Canna Dolphin T	124 W. Hazel St., Inglewood, Cal	1,00
SWZ	Capps, Delphin J	710 Peninsula St., Burlingame, Cal	1,00

Call signal.	Owner of station.	Location of station.	Power.
			Watts.
6AC	Capwell, Cebert E	Monte Cresta Ave. and Kelton Court, Oakland, Cal.	500
6AAZ	Carvill, Glenn A	Lomita, Cal	990
6QJ	Chamberlain, George E	121 N. 6th St., Sawtelle, Cal.	1,000
6IE	Chambers, James	427 Bank St., San Francisco, Cal	
6CE	Clark, J. R	2318 Bryant St., San Francisco, Cal	880
6AU	Clark, Paul U	898 S. 8th St., San Jose, Cal	18
6NC	Clayberg William J	101 Isabel St., San Francisco, Cal.	500
6MK	Clayberg, William J Coates, Walton L	3766 Chamcune Ave., East San Diego, Cal.	500
6AAF	Collins, Wayne A	788 19th St., Oakland, Cal	250
6LC	Comins, Frank L	634 Balboa St., San Francisco, Cal	500
6ABA	Connolly, Norman, jr	3738 Cherokee St., East San Diego, Cal	440
6CW		208 27th St., Ogden, Utah	250
6OD	Cook, George W	1504 Leoust Ct. Leng People Cul	250
	Cook, John A	1504 Locust St., Long Beach, Cal.	
6DI	Cookson, Howard A	301 14th Ave., San Francisco, Cal	550
6CA	Corby, Grant W	1129 W. 6th St., Los Angeles, Cal	330
6WC	Cornish, Warren D	107 3d St., Pacific Grove, Cal	1,000
6CL	Cosby, Mark B	356 Hobart Ave., Los Angeles, Cal	100
6WQ	Cowles, John	28 Butler Ave., San Francisco, Cal	500
6AAY	Craig, Carl D	142 N. Workman St., Los Angeles, Cal	1,000
6UP	Creswell, Frank, jr	831 W. 58th Pl., Los Angeles, Cal	1,000
6NJ	Cunningham, Edward J.	Santa Clara, Cal	330
6GD	Day, Elwin C	4304 19th St., San Francisco, Cal	500
6FD	Deardorf, Francis H	Los Altos, Cal	1:
6AQ	De La Cruz, George	706 W. San Carlos St., San Jose, Cal	10
6UJ	Delius, Herbert A	2057 Alameda Ave., Alameda, Cal	500
6EN	de Neuf, Emil A	1538 Russell St., Berkeley, Cal	500
6KA	Dickey, Herbert A	122 Dracena Ave., Piedmont, Cal	275
6HD	Dickow, Henry W	413 26th Ave., San Francisco, Cal	500
6KL	Diehl, Fred	348 Coleridge St., San Francisco, Cal	100
6OK	Dillon, Lyle	317 S. Norton Ave., Los Angeles, Cal	750
6KE	Dogan, Kenneth	1115 Cole St., San Francisco, Cal	500
6WP	Donelson, William E., ir.	1215 West Ave., Eureka, Cal	578
6VN	Dorcy, Ben H., jr Dow, Clifford J	190 Ocean View Ave., Santa Cruz, Cal	250
6ARD	Dow. Clifford J.		1,000
6TD	Dowling, Thomas L	Rye, Cal	100
6RG	Downs, Robert F.	1062 10th St., San Diego, Cal	500
6PO	Downs, Robert F Drath, Walter J Dunn, Frederick J	682 34th St., Oakland, Cal	250
6AHT	Dunn Frederick I	169 Ellington Ave., San Francisco, Cal	150
6KD	Dutton, Kingsley	1447 Salem St., Glendale, Cal	550
6WX	Ebert, Howard W	455 Orchard St., San Jose, Cal.	18
6EK	Eiferle, Chrissie	3016 Boulevard Ave., Fruitville, Cal	450
6TE	Eisenhuth, Thomas V	2138 McKinley St., Berkeley, Cal	500
6ALC	Eriksen, Elwood C	358 Lisbon St., San Francisco, Cal	250
6DL	Espe, Oliver E	4326 S. Grand Ave., Los Angeles, Cal	500
6ST	Evans, Bryan	123 E. Cantonment St., San Francisco,	378
6ABO	Evans, Charles C	Cal. 4835 Idaho St., San Diego, Cal	500
6FI		9805 Russell St. Raphalay Cal	1,000
6UT	Eveleth, Harlan A	2805 Russell St., Berkeley, Cal	440
6UY	Everard, Charles E	895 E. 56th St., Los Angeles, Cal	73
6GF	Everharty, Laurence	2320 E. 3d St., Los Angeles, Cal	
	Farmer, Gordon	Burbank, Cal	1 000
6TR	Farrell, Raymond	2326 Pacific Ave., Alameda, Cal	1,000
6IF	Farwell, Ivyn	2230 9th St., Berkeley, Cal.	500
6ET	Fenner, Paul R	1338 Masonic Ave., San Francisco, Cal	50
6CO	Ferrero, Henry D	43 Vallejo St., Napa, Cal	210
6HV	Ferrill, Herbert E	Bostonia, Cal.	500
6SQ	Fonseca, Arthur	2610 Valdez St., Oakland, Cal	300
6WF	Ford, Walter B	3653 Arnold St., San Diego, Cal	500
6JF	Forsburg, Jos. A	1734 Sonoma Ave., Berkeley, Cal	500

Call signal.	Owner of station.	Location of station.	Powe
			Watt
6NQ	Francis, Ernest R	Mountain View, Cal	5
6FK	Frank, Walter H	465 18th St., San Diego, Cal	50
BUM	Freeman, Elmer D	Nordhoff, Cal	12
8FX	Frizzi, William	Larkspur, Cal	20
BBK	Frost, William H	473 Minor Ave., San Jose, Cal	2
BAAE	Garcia, David	932 B St., Petaluma, Cal	50
BUH	Gates, Howard C	Pomona, Cal	1, 00
BNG	Gerlach, Leonard J	Point Richmond, Cal	85
BUS	Gibson, Walter L	2324 Dennison St., East Oakland, Cal	2
6AAG	Gilbert, Phillip II	387 W. 8th St., Pomona, Cal	1,00
BABB	Gilbert, Samuel A	Altadena, Cal	3
6QK	Gill, Fred M	2715 4th St., Ocean Park, Cal	99
BĂĂH	Gilstrap, L. Frederick	517 N. Curtis Ave., Alhambra, Cal	50
6BM	Godwin, Merle H	19 Grigsby Court, Napa, Cal	2
6UZ ·	Gosmann, Jack L	2389 W. 31st St., Los Angeles, Cal	2
6GÕ	Goes, William M	516 Bath St., Santa Barbara, Cal	50
BVC	Gottwald, Eugene A	404 S St., Eureka, Cal.	2
SLP	Gray, Clifford L	Stevens Creek Rd., San Jose, Cal	18
BAAK		317 E. 49th St., Los Angeles, Cal	5
	Green, Carl V., jr		
SGC	Greene, Harry A	313 Lighthouse Ave., Monterey, Cal	33
SAR	Greenquist, Elmer A	516 W. San Carlos St., San Jose, Cal	2
SAAI	Gregory, Merle M	1011 Orchard St., Santa Rosa, Cal	
SVF	Griffin, Earl E	Pomona, Cal	_:
ELL	Griffith, William M	737 Shrader St., San Francisco, Cal	50
BDH	Grimes, W. Frank	103 N. Pasadena Ave., Pasadena, Cal	1,00
TL	Grow, Frank	232 Lake Shore Ter., Los Angeles, Cal	60
SDP	Grundell, Herbert	285 11th St., San Pedro, Cal	1,00
6DN	Guidotti, William F	745 W. San Fernando St., San Jose, Cal	3
6RI	Hanchett, Robert J	Nestor, Cal	10
6K <b>V</b>	Hankins, Marvin J	448 6th St., San Pedro, Cal	2
SAHR	Hanson, Marion G	1107 72d Ave., Oakland, Cal	50
6 <b>TZ</b>	Harmon, Orville A	2742 35th Ave., Oakland, Cal	50
6AJA	Harris, Howard D	Ogden High School, Ogden, Utah	5
BHG	Hart, Gardner L	422 22d St., San Diego, Cal	50
BCG	Harty, Courtenay E	5167 S. Wilton Pl., Los Angeles, Cal	2
IH I	Hazleton, Ralph L	51 Pryce St., Santa Cruz, Cal	2
UK	Heald's Business College	San Francisco, Cal	5
SAAC	Heaney, Clarence M	374 22d Ave., San Francisco, Cal	5
DB	Heitshusen, Dick	115 Hermina St., Anaheim, Cal	5
SABC	Hellikson, Vivian L	1230 W. 49th St., Los Angeles, Cal	5
BAAB	Hemenway, Clyde C	1407 Vermont St., San Francisco, Cal	5
BCN	Hendrix, Charles F	2214 E. Damon St., Los Angeles, Cal	5
HN	Henrich, Richard W	1 Park Pl., Point Richmond, Cal	1
SVQ	Herup, Vilhelm C	72 Lundy Lane, San Francisco, Cal	10
ŠŮĽ	Herzog, Aurelius	1468 La Playa St., San Francisco, Cal	i î
ABD	Hess, Howard P	302 N. Mentor Ave., Pasadena, Cal	5
SDC	Hibbard, Charles H., jr.	156 Bellefontaine St., Pasadena, Cal	5
cc		2600 E. 2d St., Los Angeles, Cal.	
	Hilleary, Frank J		4
HH	Hollingsworth, D. R	808 Humboldt St., Santa Rosa, Cal	2
EJ	Houtz, Eugene R	1544 Webster St., Oakland, Cal	1
ABE	Hovgaard, Irvin C	18 W. Cedar St., Eureka, Cal.	_
SI	Hoyt, Leander L	248 Main St., Hayward, Cal.	5
ÎH	Hunt, Lloyd F	Lenox, Cal	4
IR	Irey, Earl R	3667 3d St., San Diego, Cal.	5
ELI	Isaacs, Louis R	1200 Regent St., Alameda, Cal	1,0
IJK	Jennings, John W	3427 30th St., San Diego, Cal	1
BBO	Johnson, Albert N	109 Morel St., Los Angeles, Cal	2
3TP	Johnson, Harold M	15 King St., San Jose, Cal	
6MY	Johnston, Robert	734 K Št., Eureka, Cal	5
3VL	Kaiser, Erlin	1665 9th St., San Diego, Cal	

Call signal.	Owner of station.	Location of station.	Power.
			Watts.
6OM	Kaufmann, Irwin L	56 20th Ave., San Francisco, Cal	500
6UF	Kemp, Thomas J	950 Atlantic Ave., Long Beach, Cal	500
6JA	Knight, James B	125 Stanislaus Ave., Modesto, Cal	990
6UE	Kramer, Augustus A	1605 6th St., Coronado, Cal	500
6HK	Krauter, Howard R	850 W. 43d Pl., Los Angeles, Cal	990
6JC	Kulish, John J., jr	Branham Rd., San Jose, Cal	25
6TM	Lee, Howard R	1580 Grove St., San Francisco, Cal	500
6VO	Lee, John A	134 N. Johnston St., Los Angeles, Cal	1,000
6IZ	Leeper, Ernest W	648 4th St., San Bernardino, Cal	1,000
6EL	Le Fevre, Eugene	243 Bonview Ave., San Francisco, Cal	330
6WL	Leland, Wallace H	912 Indian Rock Ave., Berkeley, Cal	1, 000
6EC	Lewis, Harrison E		60
6LE		3299 Buggs Ave., Alameda, Cal	100
	Lewis, Tony D		250
6HL	Linhoff, Harold R	416 Winona Avo., Pasadena, Cal	
6AAJ	Linville, Charles R	307 N. Curtis Ave., Alhambra, Cal	50
6JN	Livesay, J. Russell Logan, Hugh H	Los Altos, Cal	16
6MH	Logan, Hugh H	1519 Grammercy Pl., Los Angeles, Cal	100
	Long Beach Polytechnic		
	School. See Polytech-		
	nic High School.		
6VX	Loos, William V	512-A E. 11th St., Los Angeles, Cal	220
6LO	Lory, C. S	3839 7th St., San Diego, Cal	25
6VD	Loudon, Donald F	3904 Ibis Court, San Diego, Cal	105
6CY	Loudon, Donald F Lundy, Elmer C	592 N. 17th St., San Jose, Cal	150
6AAL	Lyon, John D	1141 Mendocino St., Altadena, Cal	500
6MD	MacFarlane, Thomas R	954 S. Kingsley Drive, Los Angeles, Cal	440
6GM	Mackin, George R	88 Peralta Ave., San Francisco, Cal	550
6MV	MacMullen, Gerald	382 Glorietta Blvd., Coronado, Cal	250
6MN	Maher, Edward T	3409 Grove St., Oakland, Cal	250
6AAD	Mahn, Erich G	29 Saturn St., San Francisco, Cal	30
6WT	Mann, Frank W	Saratoga, Cal	100
6OX	Martin, Andrew W., jr	894 Waller St., San Francisco, Cal	500
6KS	Martin, Neal D	2018 Delaware St., Berkeley, Cal	500
6DY	Mattox, Harry D	260 W. 11th St., Pomona, Cal	550
6UW	Maynes, Walter W	1818 Francisco St., Berkeley, Cal	495
6MJ	McConnell, Emmett W	2703 Forest Ave., Berkeley, Cal	330
6IX	McCreery, Maurice	700 W. 32d St., Los Angeles, Cal	500
6PJ	McDonald, Byron C	85 S. El Molino St., Pasadena, Cal	1,000
6TO	McFern, Arthur L	1652 Berendo St., Los Angeles, Cal	500
6MC	McGown, Dudley B	1247 47th Ave., San Francisco, Cal	500
6HJ	McIntosh, Harold S	249 Bixel St., Los Angeles, Cal.	700
6ABG	McLaren, Alfred	534 W. 49th St., Los Angeles, Cal	400
		595 Rollefontoine Ave Providence ('al	300
6QY	Miley, Jerome	585 Bellefontaine Ave., Pasadena, Cal	550
6RJ	Miller, Roy A	R. F. D., Ione, Cal	30
6KT	Miller, Walter G Mills, Eldon C	18 Hester Ave., San Jose, Cal	15
6KJ	Mills, Eldon U	425 Orchard St., San Jose, Cal	
6BU	Mills, Harry D	245 Lime St., Riverside, Cal	250
6RC	Moelris, Russell	63 N. State St., Murray, Utah	250
6BI	Moore, Ezra	108 11th St., Redlands, Cal	500
6ABF	Moore, Walter	1965 S. Los Angeles St., Los Angeles, Cal.	150
6SS	Morrow, James W Morse, Willard A	389 63d St., Oakland, Cal	1,000
6WM	Morse, Willard A	2409 Valdez St., Oakland, Cal	500
6VY	Morton, J. Walter	610 Bellefontaine Ave., Pasadena, Cal	220
6MT	Mount Tamalpais Mili-	San Rafael, Cal	100
	tary Academy.		
6DK	Mundt, Carlos S	2418 Eagle Ave., Alameda, Cal	250
6QG	Nelson, Martin A	1075 Alverado St., San Leandro, Cal	1,000
6PN	Nesbit, Paul T	R. F. D. No. 1, Acampo, Cal	220
6AHN	Newnan, Harold L	2242 San Jose Ave., Alameda, Cal	500
6NF	Newton, Francis L	334 Pala Ave., Piedmont, Cal	135

AMATEUR RADIO STATIONS—SIXTH DISTRICT—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Power.
	Name of C	Commede Oal	Watts.
BHQ	Newton, Henry G	Coronado, Cal	80
6WK	Nickels, Lee	985 8th St., Oakland, Cal	500
6OR	Nielsen, Fred J	136 Caine Ave., San Francisco, Cal	500
6NA	Nielson, Anders	829 Athens Ave., Oakland, Cal	200
6NI	Nilli, Emil	34 Hester Ave., San Jose, Cal	60
6RN	Norton, Russell	825 1st St., Napa, Cal	30
6PT	Nulsen, William B	545 San Benito St., Los Angeles, Cal	500
BUC	Nusser, George F	309 N. Union Ave., Los Angeles, Cal	350
BEC	Oldham, William G., jr	720 Healdsburg Ave., Santa Rosa, Cal	500
	Olmstead, William H	1433 J St., Eureka, Cal	500
6RO	Ormsby, Russell	1624 Chapin St., Alameda, Cal	100
60E	Ostronik, Rudolph	4071 Budlong Ave., Los Angeles, Cal	350
SPE	Ostrowsky, Arthur P	408 E. 61st St., Los Angeles, Cal	99
6LV	Passage, Raye L	1966 Bonita Ave., Los Angeles, Cal	1,000
BVG_	Patton, Claude W	195 Hill Ave., Pasadena, Cal	1,000
SABH	Peacock, Vernon L Peck, W. Frank	16 S. Curtis Ave., Alhambra, Cal	500
SAV	Peck, W. Frank	569 Orange St., Riverside, Cal	500
SOL	Petersen, Odin T	490 48th St., Los Angeles, Cal	500
6LW	Phelps, Allen G	521 17th St., Santa Ana, Cal	770
6KH	Philippi, Charles	3467 5th St., Los Angeles, Cal	556
6CP	Pickard, Clifford L	631 Huber Ave., Stege, Cal	250
6IV	Pierson, Walter	Walnut Creek, Cal	250
6UO	Polkinghorn, Frank A	180 W. Date St., Riverside, Cal	150
SLN	Polytechnic High School	Long Beach, Cal	1,000
BGP	Post, George W	7151 Lyon St., San Francisco, Cal	100
6CR	Potter, Lee Roy	Maple and Spadra Sts., Fullerton, Cal	990
BF	Powell, Meade W	Warren, Ariz	250
IV8	Pressell, Willis R	City Hall, Reno, Nev	500
6QO	Preston, Harold	Hayward, Cal	250
ŘV	Querolo, Louis	892 Isabella St., Oakland, Cal	250
SUB	Ray, George	318 7th St., San Pedro, Cal	880
SABI	Ray, William	318 7th St., San Pedro, Cal	750
SUV	Reed, Carroll F	683 7th Ave., San Francisco, Cal	49
BUR	Richards, Hugh F	Hughson, Cal	250
SVH		710 Pacific Ave., San Pedro, Cal	330
6ABJ	Root, John Ross, Earl F	711 S. Grand Ave., Pasadena, Cal	50
6GI	Rothe, C. Ernest	86 Viola Ave., San Jose, Cal	440
HR	Royden, Herbert N., jr	311 Ellsworth Ave,, San Mateo, Cal	1,00
6FT	Rugh, Charles	Los Gatos, Cal	55
6FH	Rutzen, Frank E	175-B Fair Oaks St., San Francisco, Cal	100
SAAV	Ryberg, Walter G	116 Virginia Ave., San Francisco, Cal	50
6SC	Ryberg, Walter G Sargent, Edward M	2235 Lake St., San Francisco, Cal	49
6ES	Schaefer, Carl	3118 Stillson Ave., Sacramento, Cal	25
60W	Scheidemantel, Oscar A.	5408 Alvise St., Los Angeles, Cal	55
6VT	Schleicher, Lorenz D	2728 E. 2d St., Los Angeles, Cal	50
6TS	Schneider, Antone	424 20th Ave., San Francisco, Cal	33
6WS	Schneider, William P	2716 E. 22d St., Oakland, Cal	85
6QŽ	Schneider, William P Schwartz, Sylvain A	1726 Sutter St., San Francisco, Cal	1, 00
6ĔA	Seefred, Howard C. and	343 S. Fremont Ave., Los Angeles, Cal	25
erre	Lyndon F.	OCIE Tene Ct. Doubelon Col	
6TF	Seely, Frank	2615 Etna St., Berkeley, Cal	50
6CT	Seidel, William E	2717 Brighton Ave., Los Angeles, Cal	50
6NT	Selby, Charles J	3316 Market St., Oakland, Cal	55
6UU	Shaffner, Lucius L	1320 Illinois St., Los Angeles, Cal	50
6BP	Shannon, Leslie	334 W. Murray St., Eureka, Cal	9
6UN	Shaw, William A	924 26th St., San Diego, Cal	
6SH	Shippam, Cecil H	3049 I St., San Diego, Cal	
6FS	Short, Frank A	846 Walnut St., Riverside, Cal	
6KO	Short, Ralph R		1,00

# Amateur Radio Stations—Sixth District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	l'ower.
			Watts.
6VR	Sisson, Waldo L	229 S. Cummings St., Los Angeles, Cal	550
68K	Skaale, Arthur J	2937 Martinez Ave., Berkeley, Cal	250
6LS	Smelser, Laurel J	318 2d St., Napa, Cal	500
6FN	Smith, Harry T	1030 59th St., Oakland, Cal	1,000
6TV	Soprano, Anthony	245 Clement St., San Francisco, Cal	25
6AS	Soules, Ernest H	75 Bush St., San Jose, Cal	2
6TG	Speir, Godfrey B	2731 Dwight Way, Berkeley, Cal	500
6OJ	Spencer, Oscar J	35 Douglass St., San Francisco, Cal	9
6RS	Spring, Fred R	315 W. 51st Ave., Los Angeles, Cal	330
6ABK	Squires, Harold D	306 S. Pierce Ave., Whittier, Cal	20
6TY	Standiford, Vaughn II	382 Central Ave., Pacific Grove, Cal 601 Broderick St., San Francisco, Cal	550
6JR	Stauffer, John		500
6ABL	Stebbins, Charles L	222 Short St., Long Beach, Cal	500
6PW 6CJ	Stone, Philip B Stowe, Theodore E	Murray, Utah	100
6AB	Street, George	1208 Myrtle St., Oakland, Cal	60 500
6SZ	Strong Stuart E		1,000
6WG	Strong, Stuart E	268 Jayne St., Oakland, Cal	1,000
6FO	Strong, William A Stubbe, Frank A	2629 Mission St., San Francisco, Cal	1,000
6VB	Sundquist, Fred	2153 Albee St., Eureka, Cal	12
6SU	Sutherland, Clarence	2334 94th Ave., Oakland, Cal	990
6AAN	Sykes, Joseph	453 S. Hope St., Los Angeles, Cal	110
6AAT	Szukalski, Joseph P	5610 Mission St., San Francisco, Cal	500
6BW	Taylor, Edwin K	3766 Chamcune Ave., San Diego, Cal	556
6EH	Taylor Frank G	512 Oak St., San Francisco, Cal	100
6NH	Taylor, Frank G Terrell, Edwin	271 8th St., San Pedro, Cal	ii
6HI	Tessien, Henry A	2929 Octavia St. Oakland, Cal.	25
6TX	Thacker, Roy M	2929 Octavia St., Oakland, Cal	1,000
6BY	Thorson, Robert W	3616 Felton Ave., Richmond, Cal	886
6JT	Tibbitts, Jonathan C	1246 St. Charles St., Alameda, Cal	250
6KG	Tripp, Dwight K	933 Grammercy Drive, Los Angeles, Cal	550
6CZ	Tubbs, Ernest A	103 Tribune St., Redlands, Cal	100
6WE	Tulp, Ralph	840 W. 53d St., Los Angeles, Cal	100
6ABR	Turner, Herbert C	1703 Berendo St., Los Angeles, Cal	330
<b>60T</b>	Tyler, Otto B	352 Illinois St., Pomona, Cal	250
6DT	Underwood, Ernest G	903 E. Commercial St., Inglewood, Cal	250
6GL	Van Auken, George L	San Jose, Cal	20
6ML	Van Manning, Harold	34 Hunolt St., Santa Cruz, Cal	100
6DF	Vogeley, Herbert H	341 Chestnut Ave., Long Beach, Cal	22
6AT	Volkmar, George C. T	203 Bellefontaine St., Pasadena, Cal	250
6VU	Vonderheide, Harold H. Wadsworth, Claude E	711 Carson St., Carson City, Nev	180
6BA		168 Matheson St., Healdsburg, Cal	250
600	Walden, Myran	1050 48th St., Oakland, Cal	600
60C	Wallace, Donald C	1431 Linden Ave., Long Beach, Cal	1 440
6IG	Wallace, Edward A Wallace, Forrest P	138 Water St., Santa Cruz, Cal	1,000
6VV	Wallace, Fortest P	120 S. Monterey St., Alhambra, Cal	550
6TJ	Warner, Stafford W	1829 West St., Oakland, Col	1 500
6QW	Waters, John E	2316 Bowditch St., Berkeley, Cal	1,000 750
6CS	Webber, Franklin C	2361 Walnut St. San Iosa Col	100
6WU 6AN	Weddell, Clarence C	236 Walnut St., San Jose, Cal	25
	Waitha Roy	136 S. Lucas St., Los Angeles, Cal	75
6VW 6GW	Weisbart, Ben	2217 Shattuck St., Berkeley, Cal	256
6UX	Whidden Ire P	1246 Liberty St., Santa Clara, Cal	150
6VA	Whidden, Ira P	435 Oakland Ave., Pasadena, Cal	250
6DU	Whitworth, George K	265 Mountain Trail, Sierra Madre, Cal	250
6PY	Wight, Ralph W	201 S. Grevilla Ave., Inglewood, Cal	1
6RL	Wiley, Ralph W	1250 26th Ave., San Francisco, Cal	50
6AAM	Willey, Oscar F	292 King St., Santa Cruz, Cal.	50
6JL	Williams, John	1202 8th St., Oakland, Cal	27

### Amateur Radio Stations—Sixth District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Watts.
6RZ	Williams, Roy D	554 Pine Ave., Long Beach, Cal	250
6NV	Williams, Theodore T	295 California Ter., Pasadena, Cal	100
6UG	Williams, Tom A	328 N. Mesa St., San Pedro, Cal	250
6BH	Williamson, Harry	10 S. Church St., Redlands, Cal	15
60G	Willis, Fred S	2140 California St., Eureka, Cal	70
6QB	Wilmot, Allen G	2114 3d Ave., Los Angeles, Cal	
6NP	Wilson, J. Vernon	Encanto, Cal	450
6VZ	Winser, Lindley	200 22d St., Bakersfield, Cal	440
61T	Winship, Leslie W	4820 Jackdaw St., San Diego, Cal	550
6FW	Wisner, Fred L	1346 30th St., San Diego, Cal	495
6SV	Wright, Harlow	Orange Cove, Cal	1,000
6WY	Young, William H	1937 9th Ave., Oakland, Cal	
6MQ	Zangraft, Thomas J	479 Cypress St., Pasadena, Cal	990

#### ALPHABETICALLY BY CALL SIGNALS.

Call signal.	Owner of station.	Call signal.	Owner of station.
6AA	Aster, Alvin K.	6ABO	Evans, Charles C.
6AAB	Hemenway, Clyde C.	6ABR	Turner, Herbert C.
6AAC	Heaney, Clarence M.	6AC	Capwell, Cebert E.
6AAD	Mahn, Erich G.	6AH	Botts, James.
6AAE	Garcia, David.	6AHN	Newman, Harold L.
6AAF	Collins, Wayne A.	6AHR	Hanson, Marion G.
6AAG	Gilbert, Phillip H.	6AHT	Dunn, Frederick J.
6AAH	Gilstrap, L. Frederick.	6AJ	Bean, James.
6AAI	Gregory, Merle M.	6AJA	Harris, Howard D.
6AAJ	Linville, Charles R.	6AL	Brandis, Fred A.
6AAK	Green, Carl V., jr.	6ALC	Eriksen, Elwood C.
6AAL	Lyon, John D.	6AM	Benn, Julius A.
6AAM	Willey, Oscar F.	6AN	Weisbart, Ben.
6AAN	Sykes, Joseph.	6AO	Bargar, Avery E.
6AAO	Alexander, Willard B.	6AQ	De La Cruz, George.
6AAP	Beal, Ira A.	6AR	Greenquist, Elmer A.
6AAR	Bennett, Dudley W.	6ARD	Dow, Clifford J.
6AAT	Szukalski, Joseph P.	6AS	Soules, Ernest H.
6AAU	Baston, Cyril E.	6AT	Volkmar, George C. T.
6AAV	Ryberg, Walter G.	6AU	Clark, Paul U.
6AAW	Blauvelt, Frank E.	6AV	Peck, W. Frank.
6AAX	Brummeler, John A.	6AWE	Buckingham, Eldridge.
6AAY	Craig, Carl D.	6XA	Anderson, William A.
6AAZ	Carvill, Glenn A.		
6AB	Street, George.	6BA	Wadsworth, Claude E.
6ABA	Connolly, Norman, jr.	6BC	Oldham, William G., jr.
6ABB	Gilbert, Samuel A.	6BF	Powell, Meade W.
6ABC	Hellikson, Vivian L.	6BH	Williamson, Harry.
6ABD	Hess, Howard P.	6BI	Moore, Ezra.
6ABE	Hovgaard, Irvin C.	6BJ	Bunting, Lawrence.
6ABF	Moore, Walter.	6BK	Frost, William H.
6ABG	McLaren, Alfred.	6BM	Godwin, Merle H.
6ABH	Peacock, Vernon L.	6BO	Johnson, Albert N.
6ABI	Ray, William.	6BP	Shannon, Leslie.
6ABJ	Ross, Earl F.	6BU	Mills, Harry D.
6ABK	Squires, Harold D.	6BW	Taylor, Edwin K.
6ABL	Stebbins, Charles L.	6BY	Thorson, Robert W.
6ABM	Bevitt, Edwin R.		,
6ABN	Brunner, Albert W.	6CA	Corby, Grant W.

Amateur Radio Stations—Sixth District—Alphabetically by Call Signals—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
6CC	Hilleary, Frank J.	6GD	Day, Elwin C.
6ČE	Clark, J. R.	6GF	Farmer, Gordon.
6CG	Harty, Courtenay E.	6GI	Rothe, C. Ernest.
6CJ	Stowe, Theodore E.	6GL	Van Auken, George L.
6CL	Cosby, Mark B.	6GM	
6CN		6GO	Mackin, George R.
	Hendrix, Charles F.		Goes, William M.
6CO	Ferrero, Henry D.	6GP	Poet, George W.
6CP	Pickard, Clifford L.	6GW	Werner, George W., jr.
6CR	Potter, Lee Roy.	enn.	Dieles Henry W
6CS	Webber, Franklin C.	6HD	Dickow, Henry W.
6CT	Seidel, William E.	6HG	Hart, Gardner L.
6CU	Bell, Albert E.	6HH	Hollingsworth, D. R.
6CW	Cook, George W.	6HI	Tessien, Henry A.
6CY	Lundy, Elmer C.	6HJ	McIntosh, Harold S.
6CZ	Tubbs, Ernest A.	6HK	Krauter, Howard R.
_ 1		6HL	Linhoff, Harold R.
6DA	Brown, Ralph E.	6HN	Henrich, Richard W.
6DB	Heitshusen, Dick.	6HQ	Newton, Henry G.
6DC	Hibbard, Charles H., jr.	6HR	Royden, Herbert N., jr.
6DF	Vogeley, Herbert H.	∥ 6HV	Ferrill, Herbert E.
6DH	Grimes, W. Frank.		
6DI	Cookson, Howard A.	6IC	Austin, Russell F.
6DK	Mundt, Carlos S.	6IE	Chambers, James.
6DL	Espe, Oliver E.	6IF	Farwell, Jvyn.
6DM	Archer, Robert P.	6IG	Wallace, Edward A.
6DN	Guidotti, William F.	61H	Hazleton, Ralph L.
6DP	Grundell, Herbert.	6IJ	Boehme, Herbert L.
6DT	Underwood, Ernest G.	6IR	Irey, Earl R.
6DÛ	Whitworth, George K.	6IT	Winship, Leslie W.
6DY	Mattox, Harry D.	61 V	Pierson, Walter.
6DZ	Caldwell, Duncan K.	61X 61Z	McCreery, Maurice.
6EA	Seefred, Howard C. and Lyn-		Leeper, Ernest.
	don F.	6JA	Knight, James B.
6EB	Bazzini, Emil M. H.	GIC	Kulish, John J., jr.
6EC	Lewis, Harrison E.	6JD	Binney, John.
6EF	Biddle, Charles J.	6JF	Forsburg, Joe A.
6EG	Aten, Arthur B.	6JK	Jennings, John W.
6EH	Taylor, Frank G.	6JL	Williams, John.
6EJ	Houtz, Eugene R.	6JN	Livesay, J. Russell.
6EK	Eiferle, Chrissie.	6JR	Stauffer, John.
6EL	LeFevre, Eugene.	6JS	Silvershield, Bernhard J.
6EN	deNeuf, Emil A.	6JT	Tibbitts, Jonathan C.
6ES	Schaefer, Carl.		
6ET	Fenner, Paul R.	6KA	Dickey, Herbert A.
		6KD	Dutton, Kingsley.
6FA	Arnberger, Frank, jr.	6KE	Dogan, Kenneth.
6FD	Deardorf, Francis H.	6KG	Tripp, Dwight K.
6FH	Rutzen, Frank E.	6KH	Philippi, Charles.
6FI	Eveleth, Harlan A.	6KJ	Mills, Eldon C.
6FJ	Barnum, Coit L.	6KL	Diehl, Fred.
6FK	Frank, Walter H.	6KO	Short, Ralph R.
6FN	Smith, Harry T.	6KS	Martin, Neal D.
6FO	Stubbe, Frank A.	6KT	Miller, Walter G.
6FS	Short, Frank A.	6KV	Hankins, Marvin J.
6FT	Ruch, Charles.	6KY	Andrews, Harold S.
6FW	Wisner, Fred L.	6KZ	Beaver, Gerald A.
6FX	Wisner, Fred L. Frizzi, William.	3222	
6FY	Buell, Clarence R.	6LA	Blochman, Lawrence G.
<b>-</b> -		6LB	Barton, Larry J.
		11 022	Comins, Frank L.

Amateur Radio Stations—Sixth District—Alphabetically by Call Signals—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
6LE	Lewis, Tony D.	6PO	Drath, Walter J.
6LF	Alexander, Lec.	6PT	Nulsen, William B.
6LH		6PW	Stone, Philip B.
6LI	Hunt, Lloyd F.	6PX	
	Isaacs, Louis R.		Barlow, Roy. Wight, Ralph W.
6ĽĴ	Olmstead, William H.	6PY	
6LL	Griffith, William M.	6PZ	Brown, Robert L.
6LN	Polytechnic High School.		Va
6LO	Lory, C. S.	6QB	Wilmot, Allen G.
6LP	Gray, Clifford L.	6QG	Nelson, Martin A.
6LS	Smelser, Laurel J.	6QJ	Chamberlain, George E.
6LV	Passage, Raye L.	6QK	Gill, Fred M.
6LW	Phelps, Allen G.	6QL	Barker, Waldo W.
6LX	Berlin, Latham.	6Q0	Preston, Harold.
	Deimi, Damam.		Western John F
erra	W-Com Dudley D	6QW	Waters, John E.
6MC	McGown, Dudley B.	6QX	Baird, Maxfield A.
GMD	Macfarlane, Thomas R.	6QY	Miley, Jerome.
6MH	Logan, Hugh H.	6QZ	Schwartz, Sylvain A.
6 <b>MJ</b>	McConnell, Emmett W.		
6MK	Coates, Walton L.	6RA	Brandt, Robert L.
6ML	Van Manning, Harold.	6RC	Moelris, Russell.
6MN	Maher, Edward T.	6RG	Downs, Robert F.
6MQ	Zangraft, Thomas J.	6RI	Hanchett, Robert J.
6MT	Mount Tamalpais Military	6RJ	Miller, Roy A.
		6RL	
eMW	Academy.		Wiley, Ralph W.
6MV	MacMullen, Gerald.	6RN	Norton, Russell.
6MY	Johnston, Robert.	6RO	Ormsby, Russell.
		6RS	Spring, Fred R.
6NA	Nielson, Anders.	6RV	Querolo, Louis.
6NC	Clayberg, William J.	6RY	Bullard, Orlan K, jr.
6ND	Breck, F. Bon.	6RZ	Williams, Roy D.
6NF	Newton, Francis L.		· •
6NG	Gerlach, Leonard J.	6SC	Sargent, Edward M.
6NH	Terrell, Edwin.	6SH	Shippam, Cecil H.
6NI	Nilli, Emil.	6SI	Hoyt, Leander L.
6NJ	Cunnigham, Edward J.	6SK	
6NP		6SO	Skaale, Arthur J.
	Wilson, J. Vernon.		Bunting, Howard S.
6NQ	Francis, Ernest R.		Fonseca, Arthur. Morrow, James W.
6NR	Belden, Marion.	688	Morrow, James W.
6NT	Selby, Charles J.	6ST	Evans, Bryan.
6NV	Williams, Theodore T.	6SU	Sutherland, Clarence.
6NX	Calvert, Paul P.	6SV	Wright, Harlow.
1		6SW	Anderson, Elroy E.
60C	Wallace, Donald C.	6SZ	Strong, Stuart E.
dŏŏ	Cook, John A.		,
6OE	Ostronik, Rudolph.	6TD	Dowling, Thomas L.
6OG		6TE	Eisenhuth, Thomas V.
- 1 2 1	Willis, Fred S.		Sooler Front
60J	Spencer, Oscar J.	6TF	Seely, Frank.
60K	Dillon, Lyle.	6TG	Speir, Godfrey B.
60L	Petersen, Odin T.	6TJ	Warner, Stafford W.
6OM	Kaufmann, Irwin L.	6TL	Grow, Frank.
600	Walden, Myran.	6TM	Lee, Howard R.
6OR	Nielsen, Fred J	6TN	Beckman, Philip E.
TO	Tyler, Otto B.	6TO	McFern, Arthur L.
60W	Scheidemantel, Oscar A.	6TP	Johnson, Harold M.
60X	Martin, Andrew W., jr.	6TR	Farrell, Raymond.
17.72E	Manual, Million W., Jr.	6TS	
OD 4	Darley Stanbar II		Schneider, Anton.
6PA	Besley, Stephen H.	6TU	Barnett, Thomas T.
6PE	Ostrowsky, Arthur P.	6TV	Soprano, Anthony.
6 <b>P</b> F	Allen, Preston D.	6TX	Thacker, Roy M.
6PJ	McDonald, Byron C.	6TY	Standiford, Vaughn H.
6PN	Nesbit, Paul T.	6TZ	Harmon, Orville A.

# AMATEUR RADIO STATIONS—SIXTH DISTRICT—ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
6UA	Asadoorian, Theodore N.	6VI	Pressell, Willis R.
6UB	Ray, George.	6VJ	Barbour, Joseph L.
6UC	Nusser, George F.	6VL	Kaiser, Erlin.
6UE	Kramer, Augustus A.	6VM	Anderson, Herbert E.
6UF	Kemp, Thomas J.	6VN	Dorcy, Ben H., jr.
6UG	Williams, Tom A.	6VO	Lee, John A.
HU6	Gates, Howard C.	6VQ	Herup, Vilhelm C.
6ŬĴ	Delius, Herbert A	6VŘ	Sisson, Waldo L.
6UK	Heald's Business College.	6VT	Schleicher, Lorenz D.
6UL	Herzog, Aurelius.	6VŪ	Vonderheide, Harold H.
6UM	Freeman, Elmer D.	6VV	Wallace, Forrest P.
6UN	Shaw, William A	6VW	Weitfle, Roy.
6UO	Polkinghorn, Frank A.	6VX	Loos, William V.
6UP	Creswell, Frank, jr.	6VY	Morton, J. Walter.
6UR	Richards, Hugh F.	6VZ	Winser, Lindley.
6US	Gibson, Walter L.		
6UT	Everard, Charles E.	6WC	Cornish, Warren D.
6UU	Shaffner, Lucius L.	6WE	Tulp, Ralph.
6UV	Reed, Carroll F.	6WF	Ford, Walter B.
SUW .	Maynes, Walter W.	6WG	Strong, William A.
6UX	Whidden, Ira P.	6WK	Nickels, Lee.
6UY	Everharty, Laurence.	6WL	Leland, Wallace H.
6UZ	Gosmann, Jack L.	6WM	Morse, Willard A.
31	•	6WP	Donelson, William E., jr.
6VA	White, G. Richard.	6WQ	Cowles, John.
6VB	Sundquist, Fred.	6WS	Schneider, William P.
6VC	Gottwald, Eugene A.	6WT	Mann, Frank W.
6VD	Loudon, Donald F.	6WU	Weddell, Clarence C.
6VE	Beraldo, Dewey.	6WX	Ebert, Howard W.
6VF	Griffin, Earl E.	6WY	Young, William H.
6VG	Patton, Claud W.	6WZ	Capps, Delphin J.
6VH	Root, John.		

#### SEVENTH DISTRICT.

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

#### ALPHABETICALLY BY OWNERS OF STATIONS.

Call signal.	Owner of station.	Location of station.	Power.
			Watte.
7EA	Adams, Edison	1131 South E St., Tacoma, Wash	50
7AB	Anderson, Alfred S	1253 Grand Ave., Astoria, Oreg	100
7GB	Andrews, Hiram J	223 Pontius Avo., Seattle, Wash	50
7HA	Andrews, Horton R	2105 45th St. SW., Seattle, Wash	250
7AH	Arnett, Harry	4111 Interlake Ave., Seattle, Wash	50
7PA	Aubel, Percy	169 19th Ave., Seattle, Wash	250
7AL	Austin, Lawrence	1211 Wall St., Everett, Wash	50
7BR	Bach, Roy O	4113 7th Ave. S., Seattle, Wash	400
7BJ	Baillargeon, George J	St. Martin's College, Lacey, Wash	25
7FD	Bancroft, Harvey	3024 Kromer Ave., Everett, Wash	440
7JA	Barnhisel, Howard	505 North I St., Tacoma, Wash	500
7CR	Barns, Charles	322 E. 4th St., Albany, Oreg.	200
7BF	Bay, Frank W	1513 Adams Ave., La Grande, Oreg	
7CB	Bennett, Cecil H	Rainier, Oreg	500
7AS	Bird, Lester F	909 Blewett St., Seattle, Wash	407
7DĴ	Blagen, Henry W		

2457°--15---9

Call signal.	Owner of station.	Location of station.	Pow
			Wat
7SB	Blank, Sydney	581 Commercial St., Astoria, Oreg	5
7PC	Boardwell, Perry L	Camas, Wash	
7DB	Bolstad, Archie L	1832 4th Ave. W., Seattle, Wash	
7FB	Boswell, George	3887 16th St. SW., Seattle, Wash	4
7HB	Breum, Helmer O	3416 S. Madison St., Tacoma, Wash	1, (
WB	Browning, William C	1437 20th Ave., Seattle, Wash	
'GB	Butterfield, George II	815 Kearney St., Portland, Oreg	
BD	Campbell, Arthur C	Near Lewistown, Mont	1,0
wc	Cates, Walter C	1704 Franklin St., Vancouver, Wash	1,
'NA	Charlton, Chase	108 Galer St., Seattle, Wash	
vc	Coburn, William D	Ashland, Oreg	
rĊĞ	Comstock, George I	2031 1st Ave., Seattle, Wash:	
ĚČ	Covey, E. Channing	2429 Baker Ave., Everett, Wash	1,
DĞ	Cowles, Willis M	316 Smith Ave., St. Johns, Oreg	ī,
ĎČ	Crockett, George D	1420 Hawthorne Ave., Portland, Oreg	
CA	Crosby, Edward J	508 E. Sharp Ave., Spokane, Wash	
CC	Crowell, Chester E	1452 E. Couch St., Portland, Oreg	
UN	Curtis, Harry	215 Boston St., Seattle, Wash	
HC			
	Cutting, H. Everett	318 N. Black Ave., Bozeman, Mont	
DA	Dahms, Arthur H	1814 25th Ave. S., Seattle, Wash	
AC	Dailey, Arthur C Dann, Percy W	colf cod Assa CE Daniel Colo	
'DP	Dann, Percy W	6315 63d Ave. SE., Portland, Oreg	
HD	Davis, Hubert A	1904 Canoe Pl., Seattle, Wash	١,
PD	Davis, Percy E	Grass Valley, Oreg.	1,
ED	Dawes, R. Earl	701 W. Main St., Bozeman, Mont	
CD	De Lacy, Clinton	1906 South J St., Tacoma, Wash	
AN	Dolloff, Ralph E	3724 Colby Ave., Everett, Wash	
'AD	Douglas, Alfred E	824 East E St., Grants Pass, Oræg	
TD	Down, Theodore A	Lacey, Wash	
'VD	Du Cette, Victor	4023 Meridian Ave., Seattle, Wash	
'WD	Duncan, Willard	3922 Woodlawn Ave., Seattle, Wash	
MD	Durkee, Mealon	713 St. Helens Ave., Tacoma, Wash	
'CE	Eichelberger, H. Carl	715 N. 9th St., Boise, Idaho	
ME	Elliott, Morton W	635 S. Atlantic St., Dillon, Mont	
BE	Ellis, Bruce	522 Burleigh Ave., Aberdeen, Wash	
CN	Emigh, Charles	355 Grove St., Walla Walla, Wash	
'GU	Evans, G. R	Clarkston, Wash	1,
'IF	Fabris, Ivan M	916 E. Marion St., Seattle, Wash	
FF	Farris, Frank E	1604 Spring St., Olympia, Wash	1
HH	Fee, Lewis H	Everett, Wash	1
ĒF	Ford, Edwin D., jr	Weiser, Idaho	1
SG	Gianelli, Salver	517 E. Sharp Ave., Spokane, Wash	
ĞF	Gibbs, Floyd F	512 E. 4th St., Hood River, Oreg	1
ĞĞ	Goodner, Ernest F	1612 E. 65th St., Seattle, Wash	
ĽĞ	Gottfried, Lavon E	Falls City, Oreg	
МG	Graff, Richard H	714 North D St., Tacoma, Wash	
GR			
	Gratke, Charles E	661 Commercial St., Astoria, Oreg	
JG	Graves, James W	19th St. and Grand Ave., Astoria, Oreg	
CH	Hansen, Carl L	5415 6th Ave. NW., Seattle, Wash.	
KC	Harker, Theodore C	920 Sumner St., Sheridan, Wyo	1
DH	Haskell, Willard D	3732 Hoyt St., Everett, Wash	1
EE	Hawkins, Edward K	1800 27th Ave. S., Seattle, Wash	
OH	Heacock, Orland M	305 Main St., La Grande, Oreg	
HG	Henderson, Paul	Bend, Oreg	
GC	Henny, George C	530 Heights Ter., Portland, Oreg	-
FH	Henriot, Floyd F	2132 N. Steele St., Tacoma, Wash	-
HY	Hicklyn, Harold H	2909 S. Warner St., Tacoma, Wash	
'HI	Higman, Harry H	Hamilton, Mont	
HF	Hoag, Joseph B., jr	R. F. D. No. 1, Warrenton, Oreg	1
7GD	Hoffman, Carl A	1618 Sunset Ave., Seattle, Wash	

# Amateur Radio Stations—Seventh District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	l'ower.
			Watts.
7PH	Hoffmann, Philip	621 S. 1st St., Walla Walla, Wash	220
7GN	Hohlbein, Charles A	3515 Woodlawn Ave., Seattle, Wash	550
7CF	Holdbrook, Charles S	474 E. Broadway, Portland, Oreg	110
7BI	Holm, Frank E., jr	6507 Palatine Ave., Seattle, Wash	660
7AQ	Holm, Paul E	422 Blackstone St. Porltand, Oreg	880
7GI	Horne, Gilbert	422 Blackstone St., Porltand, Oreg. 4130 45th Ave. SW., Seattle, Wash.	22
7MH	Hull, Morris F.	2238 Commercial St., Astoria, Oreg	
7HU	Hursh, Harold H	Medical Springs, Oreg.	800
7CI	Ingwersen, John	3033 W. 71st St., Seattle, Wash	250
7EJ	Jackson, Edgar F	1135 Thurman St., Portland, Oreg	150
70J	Jensen, Otto	3007 Kromer Ave., Everett, Wash	100
	Johnson, Clifford E	1004 N. Adams St., Tacoma, Wash	280
7AI	Johnson, Chilofd 13	1806 25th Ave. S., Seattle, Wash.	
7KG	Johnson, Evald T		250
7GJ	Johnson, Gale H	124 Quoen Anne Ave., Seattle, Wash	660
7NJ	Johnson, Norman	1111 E. Channe St. Coattle, Wash	440
7HJ	Jones, Henry L	1111 E. Cherry St., Seattle, Wash.	250
7CJ	Josephson, Carl L	638 Commercial St., Astoria, Oreg	50
7GK	Kendall, George O	431 Rodney Ave., Portland, Oreg	1,000
7JC	Keyes, John A	1004 North K St., Lacoma, Wash	500
7CK	King, Clement S	1901 W. 70th St., Seattle, Wash	500
7WK	Kleist, Walter A	902 S. Yakima Ave., Tacoma, Wash	1,000
7KA	Klink, Chester A	569 N. Union Ave., Portland, Oreg	45
7KB	Knowles, Earl H	603 Seneca St., St. Johns, Oreg	1,000
7JK	Knowles, Josiah S	2228 2d Ave. W., Seattle, Wash	250
7AK	Koester, Alpha M	Near North Powder, Oreg	450
7KD	Kraft, Vincent I	6519 19th St. NE., Seattle, Wash	75
7LK	Kuhn, Lee Guey	2d and Main Sts., Vancouver, Wash	950
7EL	La Pine, Earl	1747 26th Ave. N., Seattle, Wash	550
7LA	Larson, Walter L	1700 W. 57th St., Seattle, Wash	500
7FW	Lee, Emery H. I	1412 Summit Ave., Seattle, Wash	330
7FL	Ling, Frank Moy	506 Mill St., Portland, Oreg	90
7HL	Longmire, Harold D	408 S. 32d St., Tacoma, Wash	125
7LU	Ludgate, Wallace, jr	2190 Alki Ave., Seattle, Wash	500
7HK	Mahler, Harold E	4730 20th Ave. NE., Seattle, Wash	750
7RM	Marbourg, Roy L	2303 Nob Hill Ave., Seattle, Wash	770
7MQ	Marquis, A. N., jr	618 Spring St., Seattle, Wash	48
7MM	Mathison, Martin J	4102 N. 13th St., Tacoma, Wash	220
7LM	Maybee, Loren C	Weston, Oreg	175
7SA	Maybee, Loren C	Weston, Oreg	495
7AM	Mayne, Alfred J	925 E. Marion St., Seattle, Wash	10
7HM	McCandless, Howard F	204 S. Tacoma Ave., Tacoma, Wash	1,000
7TW	McCord, David T. W	933 Mt. Adams Drive, Portland, Oreg	253
7BC	McGee, Donald E	616 5th St., Hoquiam, Wash	550
7DD	McKinnon, Daniel	Spiketon, Wash	50
7WM	McKinnon, Walter J	609 W. McGraw St., Seattle, Wash	500
7BM	Merrill, Barrett M	2315 S. Madison St., Spokane, Wash	000
7JO		Ronald-by-Roslyn, Wash	12
	Methven, John H	318 N. Black Ave., Bozeman, Mont	1,000
7HC	Michel, R. Henry	504 F. Donublican St. Scottle Week	
7EM	Miller, E. Clarence	504 E. Republican St., Scattle, Wash	130
7JM	Milnor, John W	2705 N. 21st St., Tacoma, Wash	250
7DM	Minkler, Darrell	127 Portland Ave., Medford, Oreg	550
7MI	Minter, John W	610 E. 19th St., Cheyenne, Wyo	50
7AG	Moe, George	4110 N. 10th St., 1acoma, Wash	320
7AF	Moore, Alvin	634 E. 56th St., Portland, Oreg.	50
7GM	Moore, Gale L	4735 58th St. SE., Portland, Oreg	1,000
7TM	Morgan, Tom T	Renton, Wash	50
7WH	Morse, Donald W. H	6308 17th Ave. NE., Scattle, Wash	50
7PM	Murfin, Paul E	2458 6th Ave. W., Seattle, Wash	360
7IN	Nelson, Ivan I	1003 N. 12th St., Boise, Idaho	495
7ON	Nicholson, W. Otto	3115 S. 7th St., Tacoma, Wash	1,000

# Amateur Radio Stations—Seventh District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Pow
			Wat
7SB	Blank, Sydney	581 Commercial St., Astoria, Oreg	5
PC	Boardwell, Perry L	Camas, Wash	
'DB	Bolstad, Archie L	1832 4th Ave. W., Seattle, Wash	
FB	Boswell, George	3887 16th St. SW., Seattle, Wash	4
HB	Breum, Helmer O	3416 S. Madison St., Tacoma, Wash	1,0
WB	Browning, William C	1437 20th Ave., Seattle, Wash	9
GB	Butterfield, George H	815 Kearney St., Portland, Oreg	8
BD	Campbell, Arthur C	Near Lewistown, Mont	1, 0
wc	Cates, Walter C	1704 Franklin St., Vancouver, Wash	1, 0
NA	Charlton, Chase	108 Galer St., Seattle, Wash	
vc	Coburn, William D	Ashland, Oreg	5
ĊĞ	Comstock, George I	Ashland, Oreg	2
ĔČ	Covey, E. Channing	2429 Baker Ave., Everett, Wash	1, 0
ĎĞ	Cowles, Willis M	316 Smith Ave., St. Johns, Oreg	1, 0
ĎČ	Crockett, George D	1420 Hawthorne Ave., Portland, Oreg	1,3
ČĂ	Crosby, Edward J	508 E. Sharp Ave., Spokane, Wash	١,
cc	Crowell, Chester E	1452 E. Couch St., Portland, Oreg	1
ŬN		215 Boston St., Seattle, Wash	
HC	Curting H French	210 N Blook Ave. Regemen Mont	
	Cutting, H. Everett	318 N. Black Ave., Bozeman, Mont	
DA	Dahms, Arthur H	1814 25th Ave. S., Seattle, Wash	1 3
AC	Dailey, Arthur C	3915 Colby Ave., Everett, Wash	{
DP	Dann, Percy W	6315 63d Ave. SE., Portland, Oreg	١.
HD	Davis, Hubert A	1904 Canoe Pl., Seattle, Wash	
PD	Davis, Percy E	Grass Valley, Oreg.	1,
ED	Dawes, R. Earl	701 W. Main St., Bozeman, Mont	1 3
CD	De Lacy, Clinton	1906 South J St., Tacoma, Wash	
'AN	Dolloff, Ralph E	3724 Colby Ave., Everett, Wash	
'AD	Douglas, Alfred E	824 East É St., Grants Pass, Oreg	
TD	Down, Theodore A	Lacey, Wash	
VD	Du Cette, Victor	4023 Meridian Ave., Seattle, Wash	:
'WD	Duncan, Willard	3922 Woodlawn Ave., Seattle, Wash	1
MD	Durkee, Mealon	713 St. Helens Ave., Tacoma, Wash	{
CE	Eichelberger, H. Carl	715 N. 9th St., Boise, Idaho	۱ '
ME	Elliott, Morton W	635 S. Atlantic St., Dillon, Mont	. :
BE	Ellis, Bruce	522 Burleigh Ave., Aberdeen, Wash	1
CN	Emigh, Charles	355 Grove St., Walla Walla, Wash	
'GU	Evans, G. R	Clarkston, Wash	1, 0
IF	Fabris, Ivan M	916 E. Marion St., Seattle, Wash.	l '
FF	Farris, Frank E	1604 Spring St., Olympia, Wash	1
нн	Fee, Lewis H	Everett, Wash	
ĒF	Ford, Edwin D., jr	Weiser, Idaho	
SG	Gianelli, Salver	517 E. Sharp Ave., Spokane, Wash	
ĞF	Gibbs, Floyd F	512 E. 4th St., Hood River, Oreg.	
ĞĞ	Goodner, Ernest F	1612 E. 65th St., Seattle, Wash	
ĽĞ	Gottfried, Lavon E	Falls City, Oreg.	'
MG	Graff, Richard H	714 North D St., Tacoma, Wash	
GR	Gratke, Charles E	661 Commercial St., Astoria, Oreg	
ĬĠ	Graves, James W		
CH		19th St. and Grand Ave., Astoria, Oreg 5415 6th Ave. NW., Seattle, Wash	
KC	Hansen, Carl L	920 Sumner St., Sheridan, Wyo	
	Harker, Theodore C Haskell, Willard D		
DH		3732 Hoyt St., Everett, Wash	
EE	Hawkins, Edward K	1800 27th Ave. S., Seattle, Wash	
OH	Heacock, Orland M	305 Main St., La Grande, Oreg	
HG	Henderson, Paul	Bend, Oreg	1 3
GC	Henny, George C	530 Heights Ter., Portland, Oreg	3
FH	Henriot, Floyd F	2132 N. Steele St., Tacoma, Wash	2
HY	Hicklyn, Harold H	2909 S. Warner St., Tacoma, Wash	]
HI	Higman, Harry H	Hamilton, Mont	2
HF	Hoag, Joseph B., jr	R. F. D. No. 1, Warrenton, Oreg	2
GD	Hoffman, Carl A	1618 Sunset Ave., Seattle, Wash	

# AMATEUR RADIO STATIONS—Seventh District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station	Location of station.	l'ower.
1000			Watts.
7PH	Hoffmann, Philip	621 S. 1st St., Walla Walla, Wash	220
7GN	Hohlbein, Charles A	3515 Woodlawn Ave., Seattle, Wash	550
7CF	Holdbrook, Charles S	474 E. Broadway, Portland, Oreg	110
7BI	Holm, Frank E., jr	6507 Palatine Ave., Seattle, Wash	660
7AQ	Holm, Paul E	422 Blackstone St., Porltand, Oreg.,	880
7GI	Horne, Gilbert	422 Blackstone St., Porltand, Oreg 4130 45th Ave. SW., Seattle, Wash	22
7MH	Hull, Morris F	2238 Commercial St., Astoria, Oreg	200 3 3 3
7HU	Hursh, Harold H	Medical Springs, Oreg	800
7CI	Ingwersen, John	3033 W. 71st St., Seattle, Wash	250
7EJ	Jackson, Edgar F	1135 Thurman St., Portland, Oreg	150
7OJ	Jensen, Otto	3007 Kromer Ave., Everett. Wash	1,00
	Johnson, Clifford E.	1004 N. Adams St., Tacoma, Wash	280
7AI	Johnson, Evald T	1806 25th Ave. S., Seattle, Wash.	
7KG			250
7GJ	Johnson, Gale II	124 Queen Anne Ave., Scattle, Wash	660
7NJ	Johnson, Norman	432 26th St. N., Seattle, Wash	440
7HJ	Jones, Henry L	1111 E. Cherry St., Seattle, Wash	250
7CJ	Josephson, Carl L	638 Commercial St., Astoria, Oreg	50
7GK	Kendall, George O	431 Rodney Ave., Portland, Oreg	1,000
7JC	Keyes, John A	1004 North K St., Tacoma, Wash.	500
7CK	King, Clement S	1901 W. 70th St., Seattle, Wash	500
7WK	Kleist, Walter A	902 S. Yakima Ave., Tacoma, Wash	1,000
7KA	Klink, Chester A	569 N. Union Ave., Portland, Oreg	45
7KB	Knowles, Earl H	603 Seneca St., St. Johns, Oreg	1,000
7JK	Knowles, Josiah S	2228 2d Ave. W., Seattle, Wash	250
7AK	Koester, Alpha M	Near North Powder, Oreg	450
7KD	Kraft, Vincent I	6519 19th St. NE., Seattle, Wash	75
7LK	Kuhn, Lee Guey	2d and Main Sts., Vancouver, Wash	950
7EL	La Pine, Earl	1747 26th Ave. N., Seattle, Wash	550
7LA	Larson, Walter L	1700 W. 57th St., Seattle, Wash	500
7FW	Lee, Emery H. I.	1412 Summit Ave., Seattle, Wash	330
7FL	Ling, Frank Moy	506 Mill St., Portland, Oreg	90
7HL	Longmire, Harold D	408 S. 32d St., Tacoma, Wash.	125
7LU	Ludgate, Wallace, jr	2190 Alki Ave., Seattle, Wash.	500
	Mahler, Harold E	4730 20th Ave. NE., Seattle, Wash	750
7HK	Marbourg, Roy L	2303 Nob Hill Ave., Seattle, Wash	770
7RM	Managia A N in		48
7MQ	Marquis, A. N., jr	618 Spring St., Seattle, Wash. 4102 N. 13th St., Tacoma, Wash	220
7MM	Mathison, Martin J		175
7LM	Maybee, Loren C	Weston, Oreg	
7SA	Maybee, Loren C	Weston, Oreg	495
7AM	Mayne, Alfred J	925 E. Marion St., Seattle, Wash	10
7HM	McCandless, Howard F.	204 S. Tacoma Ave., Tacoma, Wash	1,000
7TW	McCord, David T. W McGee, Donald E	933 Mt. Adams Drive, Portland, Oreg	253
7BC		616 5th St., Hoquiam, Wash	550
7DD	McKinnon, Daniel	Spiketon, Wash	50
7WM	McKinnon, Walter J	609 W. McGraw St., Seattle, Wash	500
7BM	Merrill, Barrett M	2315 S. Madison St., Spokane, Wash	
7JO	Methven, John H	Ronald-by-Roslyn, Wash	12
7HC	Michel, R. Henry	318 N. Black Ave., Bozeman, Mont	1,000
7EM	Miller, E. Clarence	504 E. Republican St., Seattle, Wash	130
7JM	Milnor, John W	2705 N. 21st St., Tacoma, Wash	250
7DM	Minkler, Darrell	127 Portland Ave., Medford, Oreg.	550
7MI	Minter, John W	610 E. 19th St., Cheyenne, Wyo	50
7AG	Moe, George	4118 N. 16th St., Tacoma, Wash	320
7AF	Moore, Alvin	610 E. 19th St., Cheyenne, Wyo	50
7GM	Moore, Gale L	4735 58th St. SE., Portland, Oreg	1,000
7TM	Moore, Gale L	Renton, Wash	50
7WH	Morse, Donald W. H	Renton, Wash	50
7PM	Murfin, Paul E	2458 6th Ave. W., Seattle, Wash	360
7IN	Nelson, Ivan L	1003 N. 12th St., Boise, Idaho	495
		3115 S. 7th St., Tacoma, Wash	11/0

# Amateur Radio Stations—Seventh District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Power
			Watts.
7RE	Nitschke, Erville W	346 E. 34th St., Portland, Oreg	
7LO	O'Brien, Lester E	Wilkeson, Wash	90
7WO	Offutt, William	321 South G St., Tacoma, Wash	50
70W	Ovens, Wallace	169 19th Ave., Seattle, Wash	440
BP	Parenti, Bessie	268 Clay St., Portland, Oreg	
HP	Pennell, Harry R	217 Cornell Rd Portland Oreg	22
7BB		317 Cornell Rd., Portland, Oreg	25
7CP	Pennock, Colman	1000 Deleich St. Postland Over	20
	Peterson, C. Edward	1008 Raleigh St., Portland, Oreg	37
7CW	Peterson, Charles W	2922 3d Ave. W., Seattle, Wash	50
EP	Peterson, Edward T	718 E. Ash St., Portland, Oreg.	4
7FC	Pfeiffer, Charles	319 W. 6th St., Albany, Oreg.	
PB	Philpott, Harley J	Fairview Ave., Caldwell, Idaho	66
7PR	Piercy, Russell II	313 Tillamook St., Portland, Oreg	25
7MP	Pohl, Maxwell A	1651 Franklin Ave., Astoria, Oreg	5
7NG	Pyle, Howard S	3314 York Rd., Seattle, Wash	77
7AA	Race, George A	3335 S. 29th St., Tacoma, Wash	7.
7HR	Reichert, Howard G	1007 E. 31st St., Tacoma Wash	50
7NR	Richey, Nolan C	3425 Broadway, Everett, wasn	49
7GH	Riesland, Edward G	1608 West St., La Grande, Oreg	27
7ĂV	Root, Charles W	905 S. Jersey St., St. Johns, Oreg	25
7AR	Root, Dellmar A	631 Buchanen St., St. Johns, Oreg	
BII	Rose, Bruce H	1502½ 13th Ave., Scattle, Wash	55
7LR	Ross, Lindsley W	590 Main St., Portland, Oreg	93
	Dor James	2000 6th Ave Scottle Week	5
7JQ	Roy, James Rudesill, Elmer F	2028 6th Ave., Seattle, Wash	5
JB ZDD	Rudesiii, Einier F	421 Emerson Ave., Hoquiam, Wash	50
RD	Runyard, A. Don	706 Dakota St., Medford, Oreg	30
7FR	Rush, Floyd M	930 S. 13th St., Salem, Oreg	22
7RR	Rust, Arthur	521 N. Yakima Ave., Tacoma Wash	1,00
7CM	Ruth, Sebastian	Lacey, Wash	1,00
7RJ	Ryan, James T	302 18th Ave., Seattle, Wash	25
7SP	Samms, Philip C	415 S. 9th Ave., Pocatello, Idaho	1,00
7RX	Schaar, Howard J	721 21st Ave., Seattle, Wash	25
7RG	Scott Harbort	3940 Densmore Ave., Scattle, Wash	. 2
7HS	Sherwood, Harley L Shingler, Don G Slewing, Vere T. Small, Vincent	1117 3d Ave., Seattle, Wash	. 5
7DS	Shingler, Don G	208 W. 19th St., Cheyenne, Wyo	15
7US	Slewing, Vere T	531 W. Palm St., Medford, Oreg	1,00
7VS	Small Vincent	2322 Wetmore Ave., Everett, Wash	. 93
7BK	Smead, Earl	490 Morrison St., Portland, Oreg	2
7AJ	Sorenson, Chester J	1031 Quimby St., Portland, Oreg	
7WS	Sparrow William T	932 W. 63d St., Seattle, Wash	55
7BS	Sparrow, William T Spencer, Arthur	2519 Fulton St., Everett, Wash	99
7RS		Follo City Orog	39
	Starr, Eugene	Falls City, Oreg	- 4
7WQ	Stedman, William	Kake, Alaska	- 2
7FA	Steiger, Alfred	6040 38th Ave. NW., Seattle, Wash	- 5
7LV	Stenso, Alvin	1922 South J St., Tacoma, Wash	- 25
7SL	Stinson, Leo	2428 Pacific Ave., Hoquiam, Wash	. 3
7SW	Swan, Émil	1461 Portsmouth Ave., Portland, Oreg.	. 1,00
7JD	Tait, John D	1495 Chemeketa St., Salem, Oreg	. 25
7DR	Thelberg, Raymond D	4230 Brooklyn Ave., Seattle, Wash	- 10
7LT	Thompson, Lloyd S	109 5th St., Hamilton, Mont	. 170
7JR	Tolmie, Jack R	1213 Columbia St., Seattle, Wash	
7JT	Tyler, John L	505 S. 4th St., Hamilton, Mont	. 25
7HV	Vance, Harold C	Pullman Wagh	50
7JV	Vaughan, Joseph A	1324 Yakıma Ave., Tacoma, Wash	. 30
7WR	Walling, Raymond	12th and Gross Sts., Salem, Oreg.,,,	. 22
7KW	Warrens, C. Kenneth	848 Melinda Ave., Portland, Oreg	220
7WG	Welch, Herbert E	505 N. High St., Salem, Oreg.	50
		200 27 2011 Ct. To 7.1.3	1 , 00
7RV	Westcott, Roy	1607 N. 19th St., Boise, Idaho	1,000

# Amateur Radio Stations—Seventh District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Power.
7DW 7GW 7JW 7WW 7LW 7RW 7GA	Wollaston, Arthur L Wright, Raymond F	1022 E. Heron St., Aberdeen, Wash	1,000 700 500 250 440

#### ALPHABETICALLY BY CALL SIGNALS,

Call signal.	Owner of station.	Call signal.	Owner of station.
7AA	Race, George A.	7CP	Peterson, C. Edward.
7AB	Anderson, Alfred S.	7CR	Barns, Charles.
7AC	Dailey, Arthur C.	7CW	Peterson, Charles W.
7A D	Douglas, Alfred E.		
7AF	Moore, Alvin.	7DA	Dahms, Arthur H.
7AG	Moe, George.	7DB.	Bolstad, Archie L.
7AH	Arnett, Harry.	7DC	Crockett, George D.
7A I	Johnson, Clifford E.	7DD	McKinnon, Daniel.
7AJ	Sorenson, Chester J.	7DG	Cowles, Willis M.
7A.K	Koester, Alpha M.	7DH	Haskell, Willard D.
7AL	Austin, Lawrence.	7DJ	Blagen, Henry W.
7AM	Mayne, Alfred J.	7DM	Minkler, Darrell.
7AN	Dolloff, Ralph E.	7DP	Dann, Percy W.
7AQ	Holm, Paul E.	7DR	Thelberg, Raymond D.
7AR	Root, Dellmar A.	7DS	Shingler, Don G.
7AS 7AV	Bird, Lester F.   Root, Charles W.	7DW	Willis, Cecil D.
	11000, 01111105	7EA	Adams, Edison.
7BB	Pennock, Colman.	7EC	Covey, E. Channing.
7BC	McGee, Donald E.	7ED	Dawes, R. Earl.
7BD	Campbell, Arthur C.	7EE	Hawkins, Edward K.
7 <b>BE</b>	Ellis, Bruce.	7EF	Ford, Edwin D., jr.
7BF	Bay, Frank W.	7EJ	Jackson, Edgar F.
7BG	Andrews, Hiram J.	7EL	La Pine, Earl.
7BH	Rose, Bruce H.	7EM	Miller, É. Clarence.
7BI	Holm, Frank E., jr.	7EP	Peterson, Edward T.
7BJ	Baillargeon, George J.		· ·
7BK	Smead, Earl.	7FA	Steiger, Alfred.
7BM	Merrill, Barrett M.	7FB	Boswell, George.
7BP	Parenti, Bessie.	7FC	Pfeiffer, Charles.
7BR	Bach, Roy O.	7FD	Bancroft, Harvey.
7BS	Spencer, Arthur.	7FF	Farris, Frank E.
		7FH	Henriot, Floyd F.
7CA	Crosby, Edward J.	7FL	Ling, Frank Moy.
7CB	Bennett, Cecil H.	7FR	Rush, Floyd M.
7CC	Crowell, Chester E.	7FW	Lee, Emery H. I.
7CD	DeLacy, Clinton.		
7CE	Eichelberger, H. Carl.	7GA	Wurtz, George A.
7CF	Holdbrook, Charles S.	7GB	Butterfield, George H.
7CG	Comstock, George I.	7GC	Henny, Geo. C.
7CH	Hansen, Carl L.	7GD	Hoffman, Carl A.
7CI	Ingwersen, John.	7 <b>GF</b>	Gibbs, Floyd F.
7CJ	Josephson, Carl L.	7GG	Goodner, Ernest F.
7CK	King, Clement S.	7GH	Riesland, Edward G.
7CM	Ruth, Sebastian.	7GI	Horne, Gilbert.
7CN	Emigh, Charles.	7GJ	Johnson, Gale H.

### 134 BUREAU OF NAVIGATION, DEPARTMENT OF COMMERCE.

AMATEUR RADIO STATIONS—SEVENTH DISTRICT—ALPHABETICALLY BY CALL SIGNALS—Continued.

Callsignal.	Owner of station.	Call signal.	Owner of station.
7GK	Kendall, George O.	7LV	Stenso, Alvin.
7GM	Moore, Gale L.	7LW	Wollaston, Arthur L.
7GN		1211	Wonason, Ainui L.
	Hohlbein, Chalres A.	7MD	Durkes Wester
GR	Gratke, Charles E.		Durkee, Mealon.
GU	Evans, G. R.	7ME	Elliott, Morton W.
rGW	Wilson, George D.	7MG	Graff, Richard H.
		7MH	Hull, Morris F.
THA	Andrews, Horton R.	7MI	Minter, John W.
7HB	Breum, Helmer O.	7MM	Mathison, Martin J.
HC	Cutting, H. Everett, and Michel,	7MP	Pohl, Maxwell A.
	R. Henry.	∥ 7MQ	Marquis, A. N., jr.
7HD	Davis, Hubert A.		
7HF	Hoag, Joseph B., jr.	7NA	Charlton, Chase.
HG	Henderson, Paul.	7NG	Pyle, Howard S.
HH	Fee, Lewis H.	7NJ	Johnson, Norman.
HI	Higman, Harry II.	7NR	Richey, Nolan C.
ΉĴ	Jones, Henry L.	11110	Zurinoy, riolais o.
7HK		701	Heacock, Orland M.
	Mahler, Harold E.	70H	
7HL	Longmire, Harold D.	70J	Jensen, Otto.
7HM	McCandless, Howard F.	70N	Nicholson, W. Otto.
7HP	Pennell, Harry R.	70W	Ovens, Wallace.
7HR	Reichert, Howard G.		
7HS	Sherwood, Harley L.	7PA	Aubel, Percy.
7HT	Whelan, Harold J.	7PB	Philpott, Harley J.
7HU	Hursh, Harold H.	7PC	Boardwell, Perry L.
7HV	Vance, Harold C.	7PD	Davis, Percy E.
7HY	Hicklyn, Harold II.	7PH	Hoffman, Philip.
		7PM	Murphin, Paul E.
7IF	Fabris, Ivan M.	7PR	Piercy, Kussell H.
7IN	Nalson, Ivan L.		
	, , ,	7RD	Runyard, A. Don.
7JA	Barnhisel, Howard.	7RE	Nitschke, Erville W.
7JB	Rudesill, Elmer F.	7RG	Scott, Herbert.
7JČ	Keyes, John A.	7RJ	Ryan, James T.
7JĎ	Tait, John'D.	7RM	Marbourg, Roy L.
7JG	Graves, James W.	7RR	Rust, Arthur.
7JK	Knowles, Josiah S.	7RS	Starr, Eugene.
7JM	Milnor, John W.	7RV	Westcott, Roy.
7JO	Methyen, John II.	7RW	Wright, Raymond F.
7JQ	Roy, James.	7RX	Schaar, Howard J.
7 <u>JR</u>	Tolmie, Jack R.		N. 1 7 0
7 <u>JT</u>	Tyler, John L.	7SA	Maybee, Loren C.
7JV	Vaughan, Joseph A.	7SB	Blank, Sydney.
7JW	Wilson, John C.	7SG	Gianelli, Salver.
		7SL	Stinson, Leo.
7KA	Klink, Chester A.	7SP	Samms, Philip C.
7KB	Knowles, Earl H.	7SW	Swan, Émil.
7KC	Harker, Theodore C.		Da Ja
7KD	Kraft, Vincent I.	7TD	Down, Theodore A.
7KG	Johnson, Evald T.	7TM	Morgan, Tom T.
7KW	Warrens, C. Kenneth.	7TW	McCord, David T. W.
	bl i i All		,
7LA	Larson, Walter L.	7UN	Curtis, Harry.
7LG	Gottfried, Lavon E.	7US	Slewing, Vere T.
7LK	Kuhn, Lee Guey.		<b>97</b>
7LM	Maybee, Loren C.	7VC	Coburn, William D.
7LO	O'Brien, Lester E.	7VD	DuCette, Victor.
7LR		7VS	Small, Vincent.
	Ross, Lindsley W.	110	Smail, vincent.
7LT 7LU	Thompson, Lloyd S. Ludgate, Wallace, jr.	7300	D
	Luceale, Wallace, Ir.	7WB	Browning, William C.

Callsignal.	Owner of station.	Call signal.	Owner of station.
7WC 7WD 7WG 7WH 7WK 7WM	Cates, Walter C. Duncan, Willard. Welch, Herbert E. Morse, Donald W. H. Kleist, Walter A. McKinnon, Walter J.	7WO 7WQ 7WR 7WS 7WS	Offutt, William. Stedman, William. Walling, Raymond. Sparrow, William T. Wilson, William F.

#### EIGHTH DISTRICT.

[Headquarters: Customhouse, Cleveland, Ohio. 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 Pennsula).]

#### ALPHABETICALLY BY OWNERS OF STATIONS.

Callsignal.	Owner of station.	Location of station.	Power
8			Watts.
8ABG	Ackerman, Lee D	1316 West St., Homestead, Pa	1,000
8UY	Adams, Lucius O	85 De Russey St., Binghamton, N. Y	18
8AKU	Adams, Miles R	Sanitaria Springs, N. Y	20
BALN	Addis, Roy R.	46 Jones St., Mt. Clemens, Mich.	550
BCE_	Adler, Jerome	5550 Avondale St., Pittsburgh, Pa	1,00
BACE	Ahlheim, Norman L	123 Laurel St., Buffalo, N. Y	2
BDZ	Aker, Ellison E	520 Woodward Ave., Lima, Ohio	1,00
BAJW	Aland, Joseph T	2640 Norwood St., Pittsburgh, Pa	33
BAEQ	Albertson, W. Charles	5400 Stanton Ave., Pittsburgh, Pa	25
SJT	Albrecht, Harvey O	10608 Dupont Ave. NE., Cleveland, Ohio.	2
BALE	Aldridge, George P	12702 Penobscot Ave., Cleveland, Ohio	50
BAAJ	Alexander, Lot	537 Center St., Grove City, Pa	49
RN	Altenberg, Clarence P Altman, Allen	1947 Franklin Ave., Toledo, Ohio	1 1
AJO	Amann, J. C.	6710 Hudson Pl., Pittsburgh, Pa	1,00
ADY	Anderson, Harry M	393 Oak Hill Ave., Youngstown, Ohio	16
GE	Anderson, John M., jr	New Wilmington, Pa	11
JW	Anderson, Joseph D	719 E. 127th St., Cleveland, Ohio	33
BAA	Anderson, Sidney E	710 Commonwealth Ave., Detroit, Mich.	66
AAW	Anderson, Thure C	416 N. Broad St., Ridgway, Pa	00
UB	Andrews, Cecil J	Pittsford, Mich	1
SCJ	Andrews, William S	907 Mellon St., Pittsburgh, Pa	50
KA	Ankerman, Roy E	403 E. Lima St., Wapakoneta, Ohio	50
BAMO	Anson, Charles T	Au Sable Forks, N. Y	27
DW	Apger, Charles O	555 18th St., Detroit, Mich	50
JN	Arthurs, Biddle, jr	3046 Centre Ave., Pittsburgh, Pa	25
RQ	Ashtabula High School	Ashtabula, Ohio	50
TO	Attwood, Brooke	515 W. Spring St., Lima, Ohio	2
FV	Backus, Harry F	1740 E. 31st St., Cleveland, Ohio	70
FF	Baker, Raymond S	39 Steele Ave., Gloversville, N. Y	33
VP	Ball, Alfred	Hubbard, Ohio	2
OM_	Balsley, James I	109 S. Cottage Ave., Connellsville, Pa	12
AEH	Balson, Donald W	243 E. College St., Oberlin, Ohio	10
HI	Barber, Nelson J	77 Cleveland St., Amherst, Ohio	50
VO	Barnard, Earl E	10402 Olivet Ave., Cleveland, Ohio	4
WW	Barnes, Orton S	215 Main St., Binghamton, N. Y	99
BCC	Barnett, Walter J	269 S. Goodman St., Rochester, N. Y	2
AKJ	Barnwell, Albert E	86 Eller Ave., Buffalo, N. Y	75
BAB	Barr, Forrest L.	R. F. D. No. 1, Vickery, Ohio	21
BRX	Barringer, Russ	418 N. Wood St., Fremont, Ohio	1

AMATEUR RADIO STATIONS—EIGHTH DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Powe
BLJ	Baxter, Raymond L	2745 Woodward Ave., Highland Park,	Wette 22
		Mich.	W
BSI BAKD	Beach, Walter R Beam, Francis H	2180 E. 90th St., Cleveland, Ohio 455 W. 4th St., Mansfield, Ohio	99 77
BAFU	Beaman, Paul S	91 Mill St., Binghamton, N. Y	l 'i
JB	Beare, George L	Columbus Ave. and Washington Row, Sandusky, Ohio.	99
TZ	Beasley, Ira E	1451 Clifton Pl., Lakewood, Ohio	30
BAIL	Beaumont, William F	432 Allen St., Jamestown, N. Y	
BAHS JP	Becker, Freeman A	1532 Oakmont St., Toledo, Ohio 885 West Ave., Buffalo, N. Y	
žic	Bedwin, Earl T	209 Lewis St., Charlevoix, Mich	
RI	Beeler, Hughes	379 South D St., Hamilton, Ohio	
BAIF	Bell, Irving	819 Wall St., Port Huron, Mich	
BDO	Bell, Norman W	424 Tarleton Ave., Pittsburgh, Pa	5
RAKA.	Bender, Raymond C Benjamin, Carlisle	2642 Norwood St., Pittsburgh, Pa	4
MM	Benzee, Arthur H., jr	174 Glasgow St., Clyde, N. Y	
SCS	Benzee, Henry J	297 Grider St., Buffalo, N. Y	
KT	Benzee, Joseph M	93 Wex Ave., Buffalo, N. Y	
AE	Berndt, William F	608 Clark Ave., Detroit, Mich	2
BHS	Berry, L. Mack	131 W. Walnut St., Galion, Ohio	9
AGG SC	Berryman, Plimpton S Bidwell, Paul	609 Thomas St., Stroudsburg, Pa 8903 Cedar St., Cleveland, Ohio	4
800	Bird, Harold C	92 S. Johnson Ave., Pontiac, Mich	. 5
PŽ	Bishop, Carryl L	1 North Ave., Binghamton, N. Y	
AGL	Bishop, Robert C	413 Locust St., Lockport, N. Y	7
ACK	Blair, Russell M	3930 Ivanhoe Ave., Norwood, Ohio	
FU	Blattner, E. Herman	73 Pardee St., Rochester, N. Y	4
TA RH	Blum, Louis	777 S. Gilbert St., Columbus, Ohio 157 High St., Buffalo, N. Y	3
LP	Bly, Ralph	1358 Michigan Ave., Niagara Falls, N. Y.	2
AIY	Boastfield, Thomas W	135 4th St. NE., Canton, Ohio	
AGZ	Bohannan, Robert C	226 E. 16th Ave., Columbus, Ohio	4
QJ	Bornman, Frederick D	134 Delaware Ave., Detroit, Mich	8
ALO AIK	Bovee, Charles W Boyd, Donald M	105 Beethoven St., Binghamton, N. Y Cambridge Springs, Pa	6
OU	Boyer, Harry A	89 Kibbie St., Mt. Clemens, Mich	4
HL	Boves, Edwin G	170 Willis Ave., Detroit, Mich	
ADB	Bray, Thomas J., jr	524 Wick Ave., Youngstown, Ohio	4
CQ	Brede, Erwin F	55 Melbourne Ave., Detroit, Mich	3
IV OG	Brehmer, Harry Brink, Frank J	26 Locust St., Battle Creek, Mich Galen, N. Y	9
ΚΪ	Brockway, Earl H	421 E. Court St., Flint, Mich	9
AG	Broome, Donald W	100 Grand Ave., Mt. Clemens, Mich	1,0
AIM	Brothers, Loyd C	Wellington, Ohio	5
KF	Broughton, Harry J	702 N. George St., Rome, N. Y	2
QS VC	Brow, Robert	Rose Hill, N. Y	5
ŬĎ	Brown, Kenneth W	640 Harrison Ave., Scranton, Pa	
NU	Brown, Willard S	2134 E. 77th St., Cleveland, Ohio	5
FR	Brownell, Elmer	2134 E. 77th St., Cleveland, Ohio 1300 Steuben St., Utica, N. Y	
AAU	Brownell, Ralph	854 Prendergast Ave., Jamestown, N. Y	5
AFM AHE	Bruley, Cyril G	Industrial School, Lansing, Mich 2842 Mt. Pleasant Ave., Hamilton, Ohio	
FL	Bruning, Miles F Buchanan, Sutton R	920 Brice Ave., Lima, Ohio	9
SCW .	Bucholz, Herbert C	1014 Bath St., Ann Arbor, Mich.	ľ
SVS	Buck, E. Harold	61 Walker St., Tiffin, Ohio	
BAHU	Buckwalter, Eugene M	1916 Dana St. Wilkagharra Pa	6

# AMATEUR RADIO STATIONS—Eighth District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Power.
0.131	D D' 1 137	000 G M D 1 G 1' Ol'	Watta.
8FI	Burger, Richard W	822 S. McDonel St., Lima, Ohio	493
8ALU	Burkhardt, George E	286 Garson Ave., Rochester, N. Y	500
8AGH	Burns, Herman E	107 W. John St., Martinsburg, W. Va	300
8GA	Burr, Gordon	7209 Clinton Ave., Cleveland, Ohio	550
8RD	Burr, Roy C	68 E. Elm St., Norwalk, Ohio	1,000
BAAM	Burton, Charles A	1485 Winton Ave., Lakewood, Ohio	660
BMH	Bushnell, Clarence E	645 W. Perry St., Buffalo, N. Y	48
8PI	Butcher, W. Byron	Waynesfield, Ohio	1,000
8AID	Butine, Arthur B	1203 N. Rose St., Kalamazoo, Mich	24
BAIA	Cady, Fred L	448 Bowery St., Akron, Ohio	(
BVR	Calvert, George C	5309 Ellsworth Ave., Pittsburgh, Pa	75
8WK	Campbell, George F	831 Woodward Ave., McKees Rocks, Pa	1,000
BUL	Campbell, Henry W	118 S. 5th St., Ironton, Ohio	220
BNH	Candler, Mrs. Charles	203 N. Ash St., St. Marys, Ohio	180
8VY	Caplan, Zola	4821 Centre Ave., Pittsburgh, Pa	50
BAGW	Carlson, Wendell L	37 Maple St., Jamestown, N. Y	650
BAJK	Carmack, Floyd A	Gibsonburg Ohio	4
BAIT	Carpenter, Seara	14234 Detroit Ave., Cleveland, Ohio	4
BMV	Carson, William H	1140 James St., Kalamazoo, Mich	55
SED		4 Warring Ava Ruffala N V	4.1
	Carver, Alfred J	4 Warring Ave., Buffalo, N. Y	55
BVI	Case, Harlow	Benzonia, Mich	44
BUC	Chadde, Walter F	117 Huntington Park, Rochester, N. Y	25
JY	Chamberlain, Oscar A	93 Pasadena Ave., Highland Park, Mich.	
AMA	Champe, Willard A	130 W. Delaware Ave., Toledo, Ohio	1
ADG	Chandler, Merle C	1471 Winton Ave., Lakewood, Ohio	22
VG	Chartener, Ralph R	1110 Grandview St., Pittsburgh, Pa	550
PH	Chick, John B.	217 N. Monroe St., Titusville, Pa	49
AEE	Churchill, Herbert S	913 10th St., Port Huron, Mich	1,00
BSQ	Clarke, John H	1010 Central Ave., Dunkirk, N. Y	900
BIU	Clarke, W. Andrew	Glenshaw, Pa	50
FJ	Clausing, Leroy M. E	406 Nye St., Lima, Ohio	77
AJ	Clough, Bert E	186 N. Washington Ave., Battle Creek, Mich.	1,00
BDV	Cobb, Rupert G	17 E. Alexandrine Ave., Detroit, Mich	50
AHT	Coldewey, Fred W., jr	W. 71st St., Cincinnati, Ohio	30
AET	Cole, Kenneth	45 King St., Oberlin, Ohio	
WY	Coleman, Aaron B	Barker, N. Y	4
SM	Coleman, H. Burr	Savannah, N. Y.	12
FG	Coleman, John B	328 Locust St., Edgewood Park, Pa	10
IM	Collins, Benjamin F	152 N. 4th St., Steubenville, Ohio	12
		601 W. Anglaize St., Wapakoneta, Ohio.	50
KO	Combs, Frayne	2018 Carson St., Pittsburgh, Pa	2
ADI	Conley, S. Dewey	Alexandria Ray N V	2
WD	Conlon, Bernard	Alexandria Bay, N. Y	$\tilde{2}$
AHG	Cook, Paul	3301 Observatory Ave., Cincinnati, Ohio	28
NC	Coolidge, James H., 3d	34 Chapman Ave., East Cleveland, Ohio.	100
KB	Core, Eugene D	53 E. High St., Columbus Grove, Ohio	3
QL	Corey, Harry E	Richmond, Mich	100
AMX	Coroy, Samuel I	39 W. Mulberry St., Springfield, Ohio	
AHK	Couperthwait, George F.	52 Schiller St., Binghamton, N. Y	5
CR	Coven, Allen W	1122 West Ave., Elyria, N. Y.	3
WC	Crabbe, J. E	Glenville High School, Cleveland, Ohio.	99
ADM	Crandall, J. Lee	41 lst Ave., Franklinville, N. Y	55
GZ	Cromey, Leslie D	221 Euclid Ave., Mt. Clemens, Mich	25
KX	Cuff, Harold C	362 Walnut St., Buffalo, N. Y	,
TF	Cunningham, Fred B	Birdville, Pa	1
EW	Current, Warren J	11024 Detroit Ave., Cleveland, Ohio	25
BAEA	Cushman, Robert A	306 Elm St., Ithaca, N. Y	2
BRK	Dalrymple, Clarence F	59 Green St., Fredonia, N. Y	3
8AKE	Daly, James J	28 Pine St., Binghamton, N. Y	4
	Daniels, Worth D		2

Call signal.	Owner of station.	Location of station.	Power
OUE	Daniel Hamista	OOF TO MALE A CO. WITH A CO. T.	Watts.
8CF	Danner, Howard M	225 E. Market St., Wilkesbarre, Pa	250
8ALI	Dauberman, John R	1232 Race St., Sunbury, Pa	27
8FM	Daugherty, Robert J	628 W. Main St., Hamilton, Ohio	250
8BC	Davis, Charles C	Fenton, Mich	886
8AEG	Davis, Ellsworth	Morrice, Mich	440
BAN	Davis, Frank	73 Dakota Ave., Columbus, Ohio	500
BVZ	Davis, Harry R	4917 Washington St., Pittsburgh, Pa	550
BALR	Davis, Paul E., jr	R. F. D., Gross Isle, Mich	27
BPI	Day, James M	Waynesfield, Ohio	1,000
BMQ	Dear, Harry D	636 Preble Ave., Pittsburgh, Pa	20
8 <b>T</b> G	Dehnel, Alfred H	424 Washington St., Sandusky, Ohio	93
BAO	Deighan, Edward L	5415 Herman Ave., Cleveland, Ohio	220
8IX	Dencer, John	1021 Tuscarawas St., Canton, Ohio	5
BWG	Densmore, U. Harry	220 Mitchell St., Petoskey, Mich	24
8AGM	Derr, Paul L	517 Wabash Ave., Akron, Ohio	
8KJ	Des Jardins, Gregory T	2019 Main St., Cincinnati, Ohio	1 (
8AHN	De Tries, Garold G	77 Pleasant Ave., Lancaster, N. Y	2
8KK	Devaney, Richard G	196 Murray St., Binghamton, N. Y	2
BIJ	Diederich, Paul E	915 E. Grand Blvd., Detroit, Mich	1,00
BAAH	Ditto, Earl J	614 State St., Petoskey, Mich	25
8KV	Dobbie, John, jr	700 Buffalo Ave., Niagara Falls, N. Y	50
BAME	Dobson, J. Howard	25 Cornell Ave., Kenmore, N. Y	7
BAEO	Doeright, Gilbert A	145 Illinois Ave., Youngstown, Ohio	19
BAAG		56 Gallatin Ave., Buffalo, N. Y	3
TQ	Dominick, John H Donaldson, William E	2413 Collingwood Ava Tolodo Obio	25
BFS	Donohue, Daniel, jr	2413 Collingwood Ave., Toledo, Ohio	
	Donot Edward I	227 Florida Ave., Lorain, Ohio	1
BEF	Dorst, Edward L	39 Eaton St., Buffalo, N. Y	1 1
BABT	Dotterweich, Edward, jr.	533 Swan St., Dunkirk, N. Y	3
BAAS	Dotterweich, Francis X	523 Dove St., Dunkirk, N. Y	6
BOW	Dotterweich, Joseph H	379 Genesee St., Buffalo, N. Y	50
STL	Dowding, Sidney J	57 Welts St., Mt. Clemens, Mich	22
BDU	Downing, Harry E	689 E. 118th St., Cleveland, Ohio	550
BADH	Drda, Alois P	770 E. 70th St., Cleveland, Ohio	99
KL	Dreifus, Fred B	5621 Hays St., Pittsburgh, Pa	2
3OX	Dreux, Alexander J	48 Garner Avenue, Buffalo, N. Y	1
BBD	Dugan, Charles	316 Laurel Ave., Olean, N. Y	250
BLQ	Dunlap, Orrin E., jr	1029 Cleveland Ave., Niagara Falls, N. Y	250
BAGY	Durham, Harold M	17 Cohasset St., Pittsburgh, Pa	500
BGD	Dutt, Angus	103 W. Willis Ave., Detroit, Mich	30
BAKY	Dyke, S. Eugene	211 Porter Ave., Warren, Ohio	250
BSW	Eames, William F	841 N. St. Clair St., Pittsburgh, Pa,	278
BACD	Eaton, Hamilton A	1145 Taylor Ave., Utica, N. Y	18
VĽ	Edick, Leonard J	89 Forest St., Gloversville, N. Y	330
UK	Egan, James	120 Barton St., Buffalo, N. Y	50
ŠŤŶ	Ehrhardt, Roy C	820 Monroe Ave., Scranton, Pa	990
PĴ	Ehrich, William F	300 Warren St., Bucyrus, Ohio	1,000
BACO	Ekelberger, Charles	834 S. 7th St., Hamilton, Ohio	36
AQ A	Ela, Edward C. and	1320 Woodland Ave., Pittsburgh, Pa	400
wa	William C.	1020 Woodimita 11vo., 11vabulgh, 1 a	1 ***
TPD		742 City Park Ave., Columbus, Ohio	412
ER TS	Elias, Louis W	D F D No 4 Flyria Ohio	80
TS	Eppley, Ervin W	R. F. D. No. 4, Elyria, Ohio	
AEI	Erskine, James	212 Cass Ave., Mt. Clemens, Mich	100
BGG	Eucher, Clarence J	7427 Detroit Ave., Cleveland, Ohio	550
BACS	Evans, Harold T	1745 W. Clencay Ave., Norwood, Ohio	18
BAJD	Evans, Henry S	47 Orchard Ave., Bellevue, Pa	500
BAJG	Evans, Willard M	404 Centre Ave., Aspinwall, Pa	40
BAMR	Ewell, Pearl A	Milan, Ohio	20
SE	Falck, Norman B	1529 Davis Ave., Pittsburgh, Pa	400
BHU	Faroo, Glenn	269 Grand Ave., Rochester, N. Y	440
BADD	Fassett, G. M. Earle	1526 Olivewood Ave., Lakewood, Ohio	44(

Call signal.	Owner of station.	Location of station.	Power.
			Watts.
8HN	Fee, Dean	761 N. West St., Lima, Ohio	1,000
8FA	Fender, Clinton H	28 W. 13th St., Cincinnati, Ohio	495
BLS	Ferris, Warren O	514 Elizabeth St., Petoekey, Mich	250
BCA	Fidler, Sherwood K	173 S. 6th St., Ironton, Ohio	12
BFE	Finch, Brent S	1727 E. McMillan St., Cincinnati, Ohio	385
BMK	Finch, William G. H	521 W. 7th St., Cincinnati, Ohio	500
8AFD	Finley, Chester T	R. F. D. No. 9, Mansfield, Ohio	30
8TR	Fischer, Carol V	811 Harrison Ave., Scranton, Pa	20
8MG	Fish, J. Mulford	307 Collins Ave., Pittsburgh, Pa	20
8KQ	Fisher, Earl U	1505 5th Ave., Pittsburgh, Pa	20
BMY	Fisher, Harold W	906 W. Wayne St., Lima, Ohio	500
BAAZ	Flagg, Lloyd E	158 Anderson Pl., Buffalo, N. Y	250
8TN	Fla Havhan, Harry E., jr.	1813 Termon Ave., N. S., Pittsburgh, Pa	550
BŪM	Flehr, Paul D	106 S. 7th St., Ironton, Ohio	l
8MW	Follet, Louis II., jr	Crafton Pa	1,000
BUA	Foncenon Knight	Crafton, Pa	385
BADK	Ford Elliot	129 Dartmouth St., Rochester, N. Y	36
	Ford, Elliot		
8IQ	Forsberg, William Forshee, Kenneth	1561 S. Limestone St., Springfield, Ohio	
BCU	Foster, Clarence M	South Butler, N. Y	33
BHR		Clarks Summit, Pa	32
BSF	Fowler, Robert J	324 Walnut St., Flint, Mich	500
BAT	France, William	829 Western Ave., Pittsburgh, Pa	500
BHZ	Fraser, John W	102 Garner Ave., Buffalo, N. Y	40
3VX	Fraser, William T	48 Glenwood Ave., Buffalo, N. Y	990
BNB	Frederick, Paul E	215 Clay St., Tiffin, Ohio	490
BTJ	Friedman, Martin	2259 E. 85th St., Cleveland, Ohio	330
8DP	Fritsche, Lewis W	4208 Florida Ave., Cincinnati, Ohio	550
8VA	Frost, August	116 Herman St., Buffalo, N. Y	24
BAU	Frost, Harry E	552 Glenwood Ave., Buffalo, N. Y	220
8AV	Fullwood, William R	1017 Pollock Ave., New Castle, Pa	660
80J	Furlong, Marcie J	711 N. Main St., Clyde, Ohio	250
8KP	Fuss, Chester G	Little Valley, N. Y	990
8TH	Gallo, Tony	Brockwayville, Pa	550
8AEM	Galloway, W. Lyon	110 W. Main St., Xenia, Ohio	1,000
8PK	Gamble, Frederick D	2412 Putnam St., Toledo, Ohio	500
8AMC	Garrette, Milton W Garrity, William D	Hazleton, Pa	250
8IO	Garrity, William D	20 W. Genesee St., Lockport, N. Y	330
8EG	Gebhard, Louis A	1127 Ellicott St., Buffalo, N. Y	550
8VU	Geiser, Roger A	25 Hazelwood Ave., Emsworth, Pa	550
8AX	Gentzech, Leonard H	102 Northampton St., Buffalo, N. Y	18
8AKT	George, Charles G	81 E. Tremaine Ave., Kenmore, N. Y	36
8AEC	Gerhard, David H	R. F. D. No. 3, Hamilton, Ohio	27
BAKW	Giesenberg, Carl	3499 Boudinot Ave., Cincinnati, Ohio	50
BWI	Gillmore, Willard F	10815 Churchill Ave., Cleveland, Ohio	880
8TE	Gilmore, Alden J	3434 Dawson St., Pittsburgh, Pa	250
BSN	Glatzell, Earle D	448 S. 1st St., Ann Arbor, Mich	660
BAIW	Glover, James W	620 Oxford Rd., Ann Arbor, Mich	2
8WF	Goertemoeller, Bernard	3908 Edgewood Ave., Cincinnati, Ohio	500
1	H.	outo Eugen dea 11 (oi) officiality office	"
BRY	Goetz, Carl P	1518 Knowlton St., Cincinnati, Ohio	500
BAW	Gogel, Adelbert J	628 S. Erie St., Toledo, Ohio	500
BOF	Goodwin, Seth A	6032 St. Marie St., Pittsburgh, Pa.	1,000
8VH	Googin, Nicholas L., jr	Cazenovia, N. Y.	250
8EI	Gray Clarence N	74 Ryan St., Buffalo, N. Y	250
	Gray, Clarence N		250 220
8ADT	Greenwald, Hugo	9815 Westchester Ave., Cleveland, Ohio	
8CG	Grieb, Edward J	121 Rose St., Springfield, Ohio	15
AI8	Griffin, John F.	5219 Superior Ave., Cleveland, Ohio	40
8ND	Grigg, Arthur	741 Clinton St., Cincinnati, Ohio	495
8CK	Grinnell, Russell R	Richmond, Mich	275
8AAO	Gritton, Jack	760 Damon Pl., Akron, Ohio	

AMATEUR RADIO STATIONS—EIGHTH DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	l'ower.
8ABM	Grane Harbart F	246 Commonio St. Columbus Obio	Watts.
	Grosse, Herbert F	346 Germania St., Columbus, Ohio	1 400
8QR	Grostick, George E	1605 Wagar Ave., Lakewood, Ohio	1,000
8CO 8BW	Grove City College	Grove City, Pa	1,000
8JA	Gruber, William S Gunn, Ross	260 W. Tomin St. Oborlin Obio	20
8DI		369 W. Lorain St., Oberlin, Ohio	500 200
8RO	Gurnee, Floyd L	Howell, Mich	750
8QB	Gwinner, Frederick, 3d. Haderer, John	330 Fox St., Buffalo, N. Y	500
8MD	Hall, Eldred R	410 Center St., Solvay, N. Y.	750
8GT	Hamel, Arthur	29 Martin St., Amherst, Ohio	550
8ÃĜC	Hamilton, Frank A., jr	4020 Floral Ave., Norwood, Ohio	2
8AJU	Hammerstrom, Amy M.	R. F. D. No. 21, Westfield, N. Y.	ī
8US	Hancock, H. W	337 S. Main St., Charlotte, Mich	1,000
8ÅGT	Hand, Ledyard M	1645 Lyson St. NE., Grand Rapids, Mich.	2
8TB	Handler, Eugene H	924 St. Paul St., Rochester, N. Y	30
8NW	Hankin, John H	30 Schutz Ave., Buffalo, N. Y	250
8AZ	Hansen, Edmund H	31 Deer St., Plymouth, Mich	750
8NO	Hansen, Torvald	7325 Clinton Ave., Cleveland, Ohio	220
8AGE	Hanville, Roy A	North Fairfield, Ohio	30
8WT	Harber, Elwood F	507 Columbia Ave., Rochester, N. Y	18
8NR	Hare, Paul W	Fredericktown, Ohio	30
8AJT	Hart, Harold F	620 Richfield Rd., Flint, Mich	2
8PS	Hart, John R	Duncannon, Pa	440
8AM_	Hartle, Wilbert G	1438 W. 114th St., Cleveland, Ohio	250
8AKH	Hartwich, Harry	Clarks Summit. Pa	30
8AKG	Hassell, Karl E	291 Ridge Ave., Sharpsville, Pa	50
8WP	Hauenstein, Waldo E Hawxhurst, Wilbur F	653 N. West St., Lima, Ohio	886
8WV	Hawkhurst, Wilbur F	719 Church St., Ann Arbor, Mich	550
8SZ	Hay, Russell	31 Auchinvole St., Buffalo, N. Y	11
8FH	Haynes, William	102 N. Florence St., Springfield, Ohio	750
8AIB	Heinrich, Raymond	605 Hanover St., Hamilton, Ohio	500 550
8AAE   8AD	Helbling, William E	36 Marion Ave., Crafton, Pa	25
8EX	Henders, Vernon W Henlein, Carl A	551 E. 114th St., Cleveland, Ohio 2446 Mound Ave., Norwood, Ohio	1,000
8ADP	Henney, Keith	344 Pearl St., Marion, Ohio	220
8GN	Henninger, Alan E	2038 W. 100th St., Cleveland, Ohio	996
ějj	Henze, Jerome C	207 E. Palmer Ave., Detroit, Mich	3
8AKF	Hepner, Earl	450 Morgan St., Pittsburgh, Pa	550
8WB	Herrington, Fred	R. F. D. No. 6, Paw Paw, Mich	18
8KC	Hetherington, H. Paul	21 Rhode Island Ave., Highland Park,	220
	9 .	Mich.	
8WE	Hickler, Walter R	1340 Lakeland Ave., Lakewood, Ohio	27
8PM_	Higgey, Robert C	1072 W. Market St., Lima, Ohio	250
8AMT	Higgins, Orlo M	214 Lake Ave., Elyria, Ohio	
8AIX	Hilf, Alfred J	Mingo and Grotto Sts., Pittsburgh, Pa	500
8AEX	Hill, Emin	1510 4th St. S. E., Canton, Ohio	380
8BA	Hiller, Herbert A	117 Hanover St., Silver Creek, N. Y	120
8KR	Hills, Virgil A	2066 E. 100th St., Cleveland, Ohio	220
8GB	Hill Top Y. M. C. A	Pittsburgh, Pa	270
8ACA	Hisey, Norval W	226 Segus Ave., Toledo, Ohio	49
8AIH 8ADU	Hoehl, Raymond H Hoffman, Donald A	238 Orchard St., Pittsburgh, Pa 50 S. Balch St., Akron, Ohio	i
8GC	Hoffman, Walter R	403 S. 7th St., Ann Arbor, Mich	
8QV	Hogan, James E	26 Lincoln Ave., Crafton, Pa	500
8FC	Holden, Ira S	2920 Vernon Pl Cincinnati Ohio	550
8MC	Holmes, Charles A	2920 Vernon Pl., Cincinnati, Ohio New Berlin, N. Y	1,000
8DR	Holmes, Charles E	310 W. Brown St., Grand Rapids, Mich.	498
8HO	Holt, George W	789 Prospect Ave., Buffalo, N. Y	
8TM	Hoobler, William H	33 Florence Ave., Bellevue, Pa	880

Call signal.	Owner of station.	Location of station.	Power
			Watts
8ABU	Hopkins, Cecil W	812 S. 9th St., Hamilton, Ohio	1
3GQ	Horn, Herbert E	557 E. 117th St., Cleveland, Ohio	1,00
8PT	Hornung, Romey W	Lavelle, Pa	55
BUR	Hott, Loewy	149 S. Main St., Keyser, W. Va	4
BAEV	Houck, Homer D	430 werner St., Ioungstown, Unio	1
BNF	House, Elra E	38 Taft St., Battle Creek, Mich	1.00
BAMZ	Hovey, Carlton F	476 Melville St., Rochester, N. Y	20
8AGF	Howard, Carl G	183 S. Pine St., Newark, Ohio	3
BBB	Howes, Stanley L	515 Eleanor St., Kalamazoo, Mich	25
BALT	Howland, Dwight	Edinboro, Pa	_ i
BAIJ	Huey, Wesley	Middlefield, Ohio	50
BAIN	Hughes, Edward H	Wellington, Ohio	i
8RR	Hull, Earl C	7631 15th St., Niagara Falls, N. Y	55
8WR	Hultgren, Fred F	710 W. 2d St., Eric, Pa	1
8HM	Human, Edward J. L	532 5th St., Niagara Falls, N. Y	l i
BADW	Hume, McKinely	603 Hanover St., Hamilton, Ohio	500
BABA	Hunter, Lafayette D	104 Depew St., Rochester, N. Y	13
BALM	Hunter, Noble A	Canac Mich	
BUI	Hylie, Howard D	Capac, Mich	30
BON		000 Cass Ave. Detroit Wish	1 770
BPU	Ilgenfritz, Lester M	900 Cass Ave., Detroit, Mich	1,000
	Imbt, Russell	324 Braeside Ave., East Stroudsburg, Pa.	660
BRJ	Irvine, Robert P	3501 Storer Ave., Cleveland, Ohio	1,000
8AGB	Jacks, Albert L	6505 Shetland Ave., Pittsburgh, Pa	330
BJK	Jackson, Cotesworth M	St. Clair Rd., Pottsville, Pa	300
8DA	Jackson, Joseph, jr	5915 Broad St., Pittsburgh, Pa	2
BACM	Jacobus, Roger	312 Beakes St., Ann Arbor, Mich	220
BAGK	James, Charles A	32 Marion St., North Tonawanda, N. Y 647 Main St., Wheeling, W. Va	30
BBF_	Jarvis, Roy B	647 Main St., Wheeling, W. Va	1,000
BAJE	Jax, Clarence	343 Parkdale Ave., Buffalo, N. Y	18
BTK_	Jefferys, Paul M	1444 Lauderdale Ave., Lakewood, Ohio	250
BAAF	Jenks, Cyrus C	311 2d St., Ann Arbor, Mich	770
BAGU	Jepson, Mark B	Little Valley, N. Y	550
BEY	Jervis, Thomas E	2325 Reading Rd., Cincinnati, Ohio	250
BGR	Joecken, George I	10310 Joan Ave., Cleveland, Ohio	5
BCN	Johnson, Elmer	455 Willard St., Jamestown, N. Y	18
BANA	Johnston, Dale S	822 9th St., Huntington, W. Va	250
впс	Johnston, S. Paul	201 S. Craig St., Pittsburgh, Pa	27
BACW	Johnstone, Richard S	R. F. D. No. 2, Glenshaw, Pa	32
BUO	Jones, D. Walter	643 Schuyler Ave., Dorranceton, Pa	500
3QK	Jones, Edwin P	1114 Middle Ave., Elyria, Ohio	30
BQM	Jones, Jesse K	200 W. Market St., Pottsville, Pa	24
KV	Justus, William F	273 S. Monroe Ave., Columbus, Ohio	18
AKQ	Kaehni, Francis J	3267 Scranton Rd., Cleveland, Ohio	440
BAIV	Kacstle, Albert	1473 Maple Rd., Cleveland Heights, Ohio.	30
BADO	Kahn, Fred J	1421 Chester Ave., Cleveland, Ohio	18
SQQ	Kampfe, Lorbert J	1241 E. 403d St., Cleveland, Ohio	1,000
AĬQ		413 Robin St., Dunkirk, N. Y	1,000
BG	Karl, Rudolph Kastenberg, Paul G	298 Hurlbut Ave., Detroit, Mich	27
		240 Chartrut St. Liborty N. V.	
BAIU	Kays, George W., jr	242 Chestnut St., Liberty, N. Y	250
NM	Keen, William L	4012 Colerain Ave., Cincinnati, Ohio	440
ADX	Kellogg, Frederic J	Alexandria Bay, N. Y	24
WZ	Kennedy, Duane E	oo Frospect St., Ashtabula, Unio	27
BAEB	Kepler, Newton	Venango, Pa	24
BPC	Kersting, Ferdinand	165 S. Gratiot Ave., Mt. Clemens, Mich.	440
QE_	Kester, Harold P	626 University Ave., Rochester, N. Y	3
BAAV	Kibbe, William H	108 S. Clay St., Coldwater, Mich	1:
BAAP	Kimmel, Leslie	Gilboa, Ohio	500
BAKB	Kinback, Wilbur L	820 Hitchcock Court, Scranton, Pa	1
BIW	King, Joe P	627 3d Ave., Detroit, Mich	20
BH	Kingsbury, Kenneth	24 Chestnut St., Binghamton, N. Y	1,00

Call signal.	Owner of station.	Location of station.	
			Watt
8AMY	Kingsbury, Ralph N	504 E. Main St., Ravenna, Ohio	2
8AAT	Kinman, Carson S	931 Rawson Ave., Fremont, Ohio	78
8EU	Kinne, Laurance W	Frankfort, Mich	12
8QU	Kirly, H. Howard	863 E. 73d St., Cleveland, Ohio	2
BRA	Klager, Oscar C	611 S. Main St., Ann Arbor, Mich	50
3GV	Kleber, Jackson O	1135 Murray Hill Ave., Pittsburgh, Pa	2'
BUT	Klein, Harold H	275 Locust St., Buffalo, N. Y	1 :
3GJ	Kleinhaus, Arthur	162 Conkey Ave., Rochester, N. Y	
8QF	Klinck, Charles C., jr	162 Conkey Ave., Rochester, N. Y 38 W. Parade Ave., Buffalo, N. Y	2
KI I	Klinkner, Alfred J	309 Edmond St., Pittsburgh, Pa	5
BAIZ	Klyne, Arthur B	Canfield Ohio	
BDN		4 Trankla Ave., Grand Rapids, Mich	3
BGS	Knappen, Bert Kneale, C. Kewley	1337 W. 114th St., Cleveland, Ohio	2
		93 Chapin Parkway, Buffalo, N. Y	
BMN	Knoll, Floyd A	26 Joseph Ave. Rechester N V	
BAJM	Kocpke, Elmer A	26 Joseph Ave., Rochester, N. Y	
3KW	Kohler, Harry W	605 E. Middle St., Wapakoneta, Ohio	
BEJ	Kolb, Edwin H	18 Camp St., Buffalo, N. Y	6
GL	Konrad, Henry	750 Ross Ave., Hamilton, Ohio	
AFS	Kovatch, Alexander	1780 Fulton Rd., Cleveland, Ohio	
PD	Krause, Karl A	244 S. Front St., Mt. Clemens, Mich	2
3JV	Kreighbaum, Cyril H	12414 Ingomar Ave., Cleveland, Ohio	(
BAHW	Kremer, Harold E	717 Race St., Pottsville, Pa	
BCV	Kress, Lester P	302 Georgia Ave., Lorain, Ohio	
AMW	Kreuzer, Joseph D	663 Hopkins St., Buffalo, N. Y	
BI	Kroeger, Gustav II	1837 Clarion Ave., Cincinnati, Ohio	1
HY	Kuehner, Roland	1837 Clarion Ave., Cincinnati, Ohio 168 Kinsey Ave., Cincinnati, Ohio	
3OC	Kuelinle, George J	156 Woolper Ave., Cincinnati, Ohio	1
EK	Kumpf, Elmer H	Crittenden, N. Y	
SKY	Kunnar, William	R. F. D. No. 4, Ashtabula, Ohio	
BALD	Lacock, Walter B	235 W. Pike St., Canonsburg, Pa	
3KZ	Landgraff, William J	3718 Parviss St., Pittsburgh, Pa	1
BEL	Langenbach, Leo	186 Riley St., Buffalo, N. Y	
BAIO		Morrice, Mich	
	Lannen, Cecil J	5520 Baywood St., Pittsburgh, Pa	
BBK	Lappe, E. Robert		
RL	Last, George	107 E. Buckeye St., Clyde, Ohio	
BAGS	Lathrop, Fred A. L	516 W. Liberty St., Ann Arbor, Mich	
BUP	Lathrope, Lyman S	63 St. John Ave., Binghamton, N. Y	
BABS	Laurenz, George D	1824 Franklin Ave., Toledo, Ohio	
BTU	Leach, Gardner V	2532 Robinwood Ave., Toledo, Ohio	:
$3\Lambda GQ$	Learmont, Victor	Yale, Mich.	
BAKC	Lee, Harold	436 Allen St., Jamestown, N. Y.	
BEQ	Leighton, Clifford R	128 Eagle St., Utica, N. Y	1,
BAFT	Leighton, Paul A	14 S. 18th St., Columbus, Ohio	
3GY	Leonard, Edwin	10703 Hull Ave., Cleveland, Ohio	1,
3QD	Leonhardt, Carl	14 Olive St., Norwalk, Ohio	1
BĂAB	Letherby, Arthur G., jr.	Mt. Pleasant Ave., Hamilton, Ohio	
BAKM	Lewis, James F	Port Crane, N. Y	
3QG	Lewis, Walter E	273 Pennsylvania Ave., Rochester, N. Y.	
SV	Lilley, Ralph H	273 Pennsylvania Ave., Rochester, N. Y. 16 Oak St., Westfield, N. Y.	1 :
BCD	Lindhorst, Lester	2824 W. 14th St., Cleveland, Ohio	1 :
BAGN	Lindsay, Alexander M., jr		
BE	Lippert, John P	41 Stanwood Rd., East Cleveland, Ohio	
BJO	Little, Donald G	415 Woodward Ave., Kalamazoo, Mich	
BIE	Little, John F. H	35 South St., Lockport, N. Y	
BMR		1825 Michigan Ave., Detroit, Mich	
	Livinggood, Hubert W		1,
8SR	Locke, Benjamin C	1311 Gallia St., Portsmouth, Ohio	
8GU	Lochr, George R	11444 Euclid Ave., Cleveland, Ohio 1215 E. Ludlow St., Hamilton, Ohio	1 2
		LIZIAR LUGIOWSI HOMILION UNIO	
8AAN 8VF	Lohrey, Clarence R Loomis, Ralph M	74 Columbia Ave., Rochester, N. Y	1

Callsignal.	Owner of station.	Location of station.	Power.
			Watts.
8ML	Lovell, Charles L	540 Prospect Pl., Cincinnati, Ohio	550
8PE	Lucas, Clarence E	119 24th St., Detroit, Mich	16
80D	Luedeke, William P., jr.	40 Hodge Ave., Buffalo, N. Y	18
8ACR	Lugibill, Adrian	Columbus Grove, Ohio	250
8ABE	Lund, Daniel B	165 Breckenridge St., Buffalo, N. Y 642 North St., Rochester, N. Y	16
81G	Lusink, C. Irving	642 North St., Rochester, N. Y	18
8BO	Lyons, Henry E	Ripley. N. Y. 351 Jefferson St., Rochester, Pa. 37 Jefferson St., Westfield, N. Y. 40 McGonorn A. Westfield, N. Y.	60
SIX	MacCandless, Lyon H	351 Jefferson St., Rochester, Pa	440
8BP	Macer, Arthur J	37 Jefferson St., Westfield, N. Y	880
8EA	Mack, Clifford J	35 Biccovein Ave., Ashcabula, Onio	770
8UZ	Mack, George	1 Lane Seminary, ('incinnati, Ohio 44 Tremont Ave., Binghamton, N. Y	72
8AFO	MacKnight, J. Donald MacLaren, Wallace E	44 Tremont Ave., Binghamton, N. Y	15
8AKR		2979 Hampshire Rd., Cleveland Heights, Ohio.	200
8UN	MacPherson, William D.	549 A St., Lorain, Ohio	330
8VT	Macrow, Lester E	34 Laird Ave., Bunalo, N. Y	20
811	Maddock, Lewis D	183 Winkles St., Elyria, Ohio	32
880 8PF	Maggs, H. ('arrol	Girard, Ohio	312 117
8ABO	Malbin, Samuel Mann, Frank W. and Orville L.	728 Elm Pl., Kalamazoo, Mich	1,000
8JZ	Manning Alfred J	3315 Monroe Ave., Cleveland, Ohio	990
8MI	Manning, Alfred J Manning, Howard H	298 Prospect Ave., Meadville, Pa	330
8PX	Marsh, Harry H., jr	Park View W. Va	440
8RV	Marshall, Frank J	Park View, W. Va	600
8EN	Marshall, George	2627 Chapline St., Wheeling, W. Va	440
8UV	Marshall, George Marshall, Ronald A	Cazenovia, N. Y	1,000
8QY	Martin, Cecil E	Depew. N. Y	24
8ĚV	Mason, Carl D	R. F. D. No. 3, Oak Grove, Mich	18
8AMU	Mather, Joseph S	2369 Maplewood Ave., Toledo, Ohio	20
8ABR	Mathes, Mont M	222 S. 7th St., Martins Ferry, Ohio	440
8AHA	Matthes, Frank P	14 8th St., Rochester, N. Y	30
8AAQ	Matzinger, Hubel	Frankfort, Mich	12
8NT	Maue, Leon G	Y. M. C. A. Bldg., Hazleton, Pa	330
8MB	Maxon, Harry L	267 Brinkman St., Buffalo, N. Y	30
8EM	Mayer, Joseph R	54 Sellinger St., Rochester, N. Y.	20
8SY	Maynard, Reginald	920 Grandview St., Scranton, Pa	200
8AMH	McCaig, William J	1135 Abbott Rd., Buffalo, N. Y.	20
8WH	McCullough, C. Hax McCutcheon, William A.	5801 Stanton Ave., Pittsburgh, Pa	500
8AED	McCutcheon, William A.	103 Dow St., Falconer, N. Y	700
8UJ	McDade, Henry J		18 385
8CZ 8BS	McDaniel, Donald G McDonell, Donald	17 Colorado St., Ashtabula, Ohio	1,000
8QI	McEniry, Clifford U	Alexandria Bay, N. Y	500
8ÅBI	McGraw, George	3218 W 94th St. Cleveland Ohio	16
8TD	McMillan, Howard F	3218 W. 94th St., Cleveland, Ohio 217 W. High St., Mt. Gilead, Ohio	990
8UW	Meinhold, Albert A	217 W. High St., Mt. Gilead, Ohio	18
8BQ	Menges, William E	6428 Aurelia St., Pittsburgh, Pa	500
8AKS	Meredith, C. Palmer	628 S. Fountain St., Springfield, Ohio	440
8IB	Mielke, Carl E	3619 Grenada St., Pittsburgh, Pa	54
8IR	Miller, Arthur P	628 S. Fountain St., Springfield, Ohio 3619 Grenada St., Pittsburgh, Pa 14 Beuland Ave., Mt. Clemens, Mich	275
8AAX	Miller, Carl E., jr	71 Aurora St., Lancaster, N. Y	12
8AEN	Miller, Lloyd H Miner, Simeon J	663 Yale St. Akron, Ohio	550
8BR	Miner, Simeon J	2253 E. Jefferson St., Detroit, Mich 172 Washington St., Ironton, Ohio 34 Ketchum Pl., Buffalo, N. Y	500
8AES	Mittendorf, Earl D	172 Washington St., Ironton, Ohio	15
8HP	Moershielder, Herbert L.	34 Ketchum Pl., Buffalo, N. Y	18
8EDL	Moler, Charles C	Bakerton, W. Va	300
8UG	Moore, Chester		330
8AFN	Moore, Harold S	1 18 Locust St., Norwich, N. Y	36

Callsignal.	Owner of station.	Location of station.	Power.	
			Watts.	
8AEY	Morrow, Floyd D	184 State St., Fairmont, W. Va	500	
8AAL	Moyer, Gilbert G	1603 Lincoln Ave., Lakewood, Ohio	250	
8AS	Muhlbeyer, Charles W	1603 Lincoln Ave., Lakewood, Ohio State Hospital, Rochester, N. Y	24	
8ST	Muhlheizler, Louis	530 Fernando St., Pittsburgh, Pa	1,000	
8IS	Munch, Ernest A	105 Excelsior St., Pittsburgh, Pa	30	
BVV	Munger, George R	77 Newton St., Fredonia, N. Y	500	
BAIR	Munro, Glenn A	25 Calvert Ave. Detroit, Mich	250	
BEB	Munsell, Robert S	191 Center St., Ashtabula, Ohio	260	
BAFG	Murphy William Y	3425 Oeage Ave Cincinnati Ohio	250	
BAIE	Murphy, William Y Muryne, Leo F. J	3425 Osage Ave., Cincinnati, Ohio 633 W. North St., Kalamazoo, Mich	30	
BHD	Myora Homor R	1210 Huron Rd. Claveland Ohio	20	
	Myers, Homer B	1310 Huron Rd., Cleveland, Ohio 166 E. Perry St., Tiffin, Ohio	300	
BCT	Myers, Raymond W Myers, Walter L	1510 W. Market Ct. Stankardille Obia	24	
8ABD	Myers, watter L	1512 W. Market St., Steubenville, Ohio		
8ALG	Neal, Russell	216 Etna St., Ironton, Ohio	36	
8TP	Nealon, William A	1604 St. Clair St., Cleveland, Ohio	1 1	
8PB	Nealon, William A Nelson, Frank A	8217 Bellevue Ave., Cleveland, Ohio	250	
BWM	Nesbitt, Arthur	1312 W. 2d St., Lorain, Ohio	24	
3MP	Neupert, Robert E	500 Chartiers Ave., McKees Rocks, Pa	55	
BID	Norris, George H	77 Melbourne Ave., Detroit, Mich	96	
BBL	O'Bryan, James W	Ranson, W. Va	27	
$8\overline{\mathrm{BT}}$	Ogle, Harry B	2636 East Blvd., Cleveland, Ohio	44	
8VQ	O'Reilly, J. Bernard	101 Sawyer Ave., Depew, N. Y	4	
8DF	Orrell, Robert W	87 Frederick Ave Detroit Mich	50	
BLO	Ottelin, Conrad	87 Frederick Ave., Detroit, Mich	2	
BSJ		R F D No 4 Cilconburg Obje	2	
	Ottney, James N	R. F. D. No. 4, Gilsonburg, Ohio	2	
BIH	Overbeck, Erwin C	706 W. Liberty St., Ann Arbor, Mich	4	
8AGX	Paasch, Harold	215 W. Front St., Erie, Pa	1 00	
8AAK	Pardridge, Clarence R	521 Nimons St., Saginaw, Mich	1,00	
<b>BAJA</b>	Parmington, Walter O	1151 E. Main St., Rochester, N. Y	1	
BAIG	Parry, Kenneth E	1226 Gillette St., Port Huron, Mich	33	
8AMS	Patchin, Ivan C	Middleford, Ohio	50	
801	Patterson, Grant, jr	35 E. State St., Gloversville, N. Y 596 Bates St., Birmingham, Mich	50	
BCY	Payne, Arthur F	596 Bates St., Birmingham, Mich	99	
8PV	Pearson, Harry	4 W. North Ave., Pittsburgh, Pa	3	
8ADJ	Pease, Harold C	1114 9th St., Lorain, Ohio	3	
8GX	Pentland, Henry B	2053 E. 105th St., Cleveland, Ohio	49	
BAEF	Perry, Ransom, jr	Lisle, N. Y	1	
8SG	Pesek, Myron R	3288 Fulton Rd., Cleveland, Ohio	1,00	
8HT	Petz, Joseph	10 Lowell St., Rochester, N. Y	3	
BLW		Concord Mich		
	Phillipp, Lawrence A	Concord, Mich	1,00	
BDJ OHV	Phillips, Glenn E	Olarla Gummit Da	10	
8HX	Phillips, Stanley	Clark's Summit, Pa.		
8EC	Phillips, Wendell G	2322 E. 85th St., Cleveland, Ohio R. F. D. No. 4, Battle Creek, Mich	2	
8CX	Phippeny, Forrest I	R. F. D. No. 4, Battle Creek, Mich	1,00	
BADZ	Pitzer, Wilbur E	Blanchester, Ohio.	60	
BJF _	Plekenpol, Ernest	7404 W. Madison Ave., Cleveland, Ohio.	. 27	
BAGP	Popky, Charles J Porter, Harry T	212 E. Market St., Wilkesbarre, Pa	50	
8DX	Porter, Harry T	714 Main St., Conneaut, Ohio	1,00	
8QW	Potts, Charles G	726 W. Norwegian St., Pottsville, Pa	25	
8 <b>Ě</b> Q	Poux, Noel J	432 Pine St., Meadville, Pa	44	
$\widetilde{\mathbf{QP}}$	Powell, Ralph C	5236 Westminster Pl., Pittsburgh, Pa	1	
8ŴQ	Poysell, Robert E	839 E. Ridgeway Ave., Cincinnati, Ohio.	1	
8ADS	Price, Leo A	685 Richland Court, Akron, Ohio		
8AKP	Proper Issee R	823 Elizabeth St., Flint, Mich	55	
BAJS	Proper, Jesse B	400 Portor Av., Parala M V	]	
	Raichle, Joe L	400 Porter Ave., Buffalo, N. Y	5	
8IN	Ranger, Arthur	209 Belvedere St., Charlevoix, Mich		
8ADA	Rann, Maurice B	Morrice, Mich	55	
8JL	Raring, William	20 Dinsmore Ave., Crafton, Pa.	44	
8AFW 8DC	Reardon, Joseph	582 Dewey Ave., Rochester, N. Y		
	Reb, Frank		1,00	

# AMATEUR RADIO STATIONS—Eighth District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Power.	
			Watts.	
8ALS	Reed, Arthur J	2633 Norwood Ave., Pittsburgh, Pa	450	
8AHO	Reidenbach, Lester A	510 Sheridan Ave., Pittsburgh, Pa	24	
8AAD	Remington, Otto	R. F. D. No. 1, Bloomingdale, Mich	18	
8FQ	Remorino, L., jr	97 Washington St., Gloversville, N. Y	220	
80P	Reynolds, Charles L	25 Sturges St., Binghamton, N. Y	36	
8AEL	Reynolds, Marion B	353 Birr St., Rochester, N. Y	32	
8LD	Rice, Homer D	150 Livingston St., Buffalo, N. Y	18	
8CI	Richards, Theodore D. and George B.	934 W. North Ave., Pittsburgh, Pa	380	
8IK	Richardson, Norton	70 Davenport St., Detroit, Mich	18	
8TW	Richey, Joseph L	241 E. Center St., Shenandoah, Pa	18	
8AGJ	Ricksecker, Russell E	Lowellville, Ohio	14	
8VD	Riehle J. F	1642 Cedar Ave., Cincinnati, Ohio	1,000	
8AEU	Rippl, Lewis M	1602 2d St. NE., Canton, Ohio	1,000	
8MS	Ritchey, Ole B	Lake City, Mich	12	
8RF	Ritchie, Carl L	305} Minton St., Pittsburgh, Pa	36	
8NQ	Robbins, Melvin G	219 Reynolds St., Kingston, Pa	1,000	
8HB	Roberts, Haydn P	11215 Clifton Blvd., Cleveland, Ohio	250	
8MF	Robie, Milo H	7 Lake Ave., Williamson, N. Y	250	
8HA	Roblee, Judson	7 Lake Ave., Williamson, N. Y	250	
8BN	Rockwell, Donald B	17 Walnut St., Wellsboro, Pa	32	
8WX	Rodd, Herbert C	2047 W. 101st St., Cleveland, Ohio	480	
8DQ	Roener, Hubert J	115 Floyd St., Toledo, Ohio	30	
8DT	Rogers, Grant	2065 McKinley Ave., Lakewood, Ohio	1,000	
8LY	Rose, Herman	77. Johnson St., Buffalo, N. Y	18	
8AJN	Rosenthal, Sydney	124 E. Tupper St., Buffalo, N. Y	15	
8ADC	Roy, Percy W	295 Maple St., Buffalo, N. Y.	24	
8BM	Ruhl, Mark	160 Martin Ave., Columbus, Ohio	495	
8AL	Russell, James L	2125 E. 79th St., Cleveland, Ohio	16	
8AIP	Salter, Albion E	763 Park Ave., Rochester, N. Y.	12	
8AII 8LF	Sanborn, Irwin T	332 14th Ave., Detroit, Mich.	18	
8AKZ	Saunders, Ezra L	141 4th Ave., Gallipolis, Ohio	750	
8AFI	Sayles, Thomas S Scales, Herbert N	1420 14th Ave., Detroit, Mich	440	
8PO	Schaaf, John M	300 Warren St., Bucyrus, Ohio	1. 000	
8JH	Schaefer, George A	96 Martin St., Rochester, N. Y.	20	
8AGI	Schafer, Charles	29 Grant St., Auburn, N. Y.	36	
8AMD	Schaible, Raymond	867 Pennsylvania Ave., Detroit, Mich	18	
8HG	Schardt, Carl M	12813 Marston Ave., Cleveland, Ohio	30	
80K	Scheib, Joseph F	6243 Station St., Pittsburgh, Pa	250	
8FW	Schlegel, Ralph C	Crafton, Pa	440	
8AFA	Schlesinger, Louis	1842 Centre Ave., Pittsburgh, Pa	166	
8RW	Schmidle, Claude	Ebenezer, N. Y. 5600 Forbes St., Pittsburgh, Pa.	250	
8SB	Schmidt, Norman F	5600 Forbes St., Pittsburgh, Pa	250	
8UU	Schmidtz Goorge	750 Ross Ave., Hamilton, Onio	550	
8WR	Schmitt, William R. Schober, William Schorn, Valentine A Schrier, Henry	710 W. 2d St., Erie, Pa	12	
8AJI	Schober, William	182 Van Dyke Ave., Detroit, Mich	500	
8AR	Schorn, Valentine A	338 Antietam St., Detroit, Mich	72	
8ADF	Schrier, Henry	1127 S. Park St., Kalamazoo, Mich	20	
8QU	Schunck, Robert F	407 W. Anglaize St., Wapakoneta, Ohio	20	
8LL	Schwanecamp, Raymond	207 Lemon St., Buffalo, N. Y.	30	
8BY	Schwindt, Horman J	3517 Bevis Ave., Cincinnati, Ohio	60	
8LE	Scott, Hoyt S	North Fairfield, Ohio	36	
8EP	Scovill, Edward H	10528 Park Lane, Cleveland, Ohio	750	
8AGR	Scupholin, Fred J	939 Court St., Port Huron, Mich	495	
8EE	Selden, James M., jr	42 Creighton Ave., Crafton, Pa	1,000	
8HF	Shaney, Aubrey A	5713 Curtiss Ave., Cleveland, Ohio 2109 Eoff St., Wheeling, W. Va	220	
8LZ	Sharbaugh, Wilbur	2051 F. Anglaige St. Wanales at Alli	550	
8PQ	Shaw, Eurcile L	2051 E. Anglaize St., Wapakoneta, Ohio.	100	

2457°—15—-10

# Amateur Radio Stations—Eighth District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	
			Watts.
8AEP	Shedd, Arthur R	302 Main St., Butler, Pa	1:
BAHI	Sheldon, Carew	819 Bird Ave., Buffalo, N. Y	3
BJ	Shelley, Clayton B	Barker, N. Y.	40
BJR	Sherrell, Alvan C	Barker, N. Y	75
BAMN	Shiffer, R. A	338 S. 4th St., Sunbury, Pa	25
BACI	Shively, Norman J	2134 Cameron Ave., Norwood, Ohio	
BAFR	Shurance, Joseph	R. F. D. No. 4, Mansfield, Ohio	4
BLG	Sibert, Richard E	111 E. Benton St., Wapakoneta, Ohio	6
SKS	Sidnell, Robert G	1268 W. 115th St., Cleveland, Ohio	3
BVE	Siedle, William R	5637 Rippey St., Pittsburgh, Pa	33
			22
BACN	Siegfried, Rudolf	58 Center St., Ashtabula, Ohio	1
BCM	Simpson, Joseph N	281 Columbia Ave., Rochester, N. Y	
BUX	Sleeman, Walter R	205 Sagamore St., Pittsburgh, Pa	70
BAHR	Sloyer, Roy E	825 N. Church St., Kalamazoo, Mich	50
8QT	Sly, Edward E	1820 Myrtle St., Erie Pa. 363 Potomac Ave., Buffalo, N. Y.	14
BAJR	Smith, Harold H	363 Potomac Ave., Bunalo, N. Y	1
8RM	Smith, Harold M	Highland Ave., Monticello, N. Y	2
8VK	Smith, Johnny	121 High St., Elm Grove, W. Va	]
BA K	Smith, Russell E	521 2d Ave., Tarentum, Pa	3
BOE	Smith, Verne E	Knox, Pa	4
BADR	Smith, Warren T	Oakdale, Pa	79
8ALA	Snider, Ellwood II	20 Normandy Ave., Rochester, N. Y	]
8AEW	Snyder, Carroll M	Adams, N. Y	10
8FO	Snyder, Norman G	7 Central Ave., Ithaca, N. Y	3
8FT	Spargo, James A., jr	403 N. George St., Rome, N. Y	1,00
8AKX	Spaulding, Claude W	32 Robinson Ter., Plattsburg, N. Y	10
8LN	Spaulding, Ray F	Ripley, N. Y.	2
8DL	Spearman, Monroe	315 National Ave., Detroit, Mich	]
8AMK	Spencer, Elmer II	1145 Niagara St., Buffalo, N. Y	3
8GW	Spencer, J. Edmund	65 Center St., Ashtabula, Ohio	25
8HK	Spiller, Archibald G	211 Strathmore Ave., East Cleveland,	30
OIIIL	opiner, membere circu	Ohio.	00
8SH	Spotts, Ralph T	1633 Lakeview Ave., Cleveland, Ohio	77
8ACT	Staab, H. Herman	41 N. 4th St., Ironton, Ohio	4
		37 1 37 1	90
8BU	Stableford, Vernon	Yale, Mich	
8AKL	Stanley, Clinton B	405 Jersey St., Buffalo, N. Y	1 00
8UE	St. Augustine School	933 Bank St., Cincinnati, Ohio	
80Z	Staten, Arthur	3008 W. 12th St., Cleveland, Ohio	]
BAER	Staud, Cyril J	203 Rutgers St., Rochester, N. Y	22
8LH	Stauft, Jacob L	347 Oakland Ave., Pittsburgh, Pa	25
8DY	Stecher, Harold I	15 Bedferd Ave., Monticello, N. Y	4
8BZ	Steele, Maurice	769 A St., Lorain, Ohio	
BII	Steim, L. Harold	R. F. D. No. 2, Kittanning, Pa	1
8A.DN	Stein, Robert R	Ohio State Armory, Norwalk, Ohio	99
8UQ	Steinkirchner, Fred B	285 Columbia Ave., Rochester, N. Y	
812	Steinman, Dwight H	416 Pine St., Lima, Ohio	99
8WJ	Stelzer, James G	Frankfort, Mich	]
8SL	Stenzel, Arthur W	125 Geary St., Buffalo, N. Y	55
8OL	Stern, Fred W	835 Glenwood Ave., Cincinnati, Ohio	2
8VW	Stevens, Allen C	1821 Humboldt Ave., Cincinnati, Ohio	
8TX	Stevens, Burdett F., jr	333 Ellicott St., Buffalo, N. Y	
8VM	Stevens, William H	78 Mynderse St., Seneca Falls, N. Y	44
8HE	Stevenson, George L	Durand, Mich	1,00
8AGA	Stiles, Willis E	917 North St., Rochester, N. Y.	1,00
8PR	Stiveson, Andrew	223 Alpine Ave., Pittsburgh, Pa	6
8WL	Stone, Dana C	58 Edna Pl., Buffalo, N. Y	
8AAR		15109 Clifton Blvd., Lakewood, Ohio	34
8AKK	Stouffer, Vernon B Straith, Floyd E		
8NY	Straub, John O	80 Pingree Ave., Detroit, Mich	8: 25

Call s <b>ignal.</b>	Owner of station.	Location of station.	
			Watts.
8HW	Strunk, William O	107 Lake St., Ithaca, N. Y	27
8AMO	Supernaw, Jack S	305 Dixon Ave., Charlevoix, Mich	500
BIY	Swain, Herbert N	405 Franklin Ave., Hamilton, Ohio	990
8AMF		18 Alfred St., Binghamton, N. Y	18
	Swingle, Forrest W Taylor, J. L., jr	Darlon N V	
SWS		Barker, N. Y.	18
8DH	Temple, Lemuel M	2358 Auburn Ave., Cincinnati, Ohio	330
8HJ	Terry, James E	1877 E. 90th St. NE.; Cleveland, Ohio	1,000
8CB	Thiessen, H. W. F Thomas, William K	161 E. McMicken Ave., Cincinnati, Ohio.	500
BDE	Thomas, William K	400 Minton St., Pittsburgh, Pa	500
8AMV	Thompson, Charles R	815 Wall St., Port Huron, Mich	49
SAML	Thurn, Alois H	W. Greenlawn Ave., Columbus, Ohio	3
8AAC	Tiffany, Wade R	62 State St., Susquehanna, Pa	550
BADE	Todd, Conway L	62 Berkeley St., Rochester, N. Y	660
		D F D No 2 Consess N V	
8FN	Toland, Gerald H	R. F. D. No. 3, Geneseo, N. Y	100
8VB	Trombley, Clarenco E	145 Washington Ave., Mt. Clemens, Mich.	500
BIP	Trotter, Robert J	214 Amanda Ave., Mt. Oliver, Pa	250
8AMP	Tynes, John P	226 Woodward Ave., Buffalo, N. Y	100
8RT	Ubersax, Delmar G	2248 E. 100th St., Cleveland, Ohio	18
8FB	Ulsh, Chester	451 Summit St., Marion, Ohio	13
8VJ	Umbarger, Harold N	239 W. 5th St., Mansfield, Ohio	1,000
8IF	Urban, Raymond G	Pine Ridge Rd., Buffalo, N. Y.	660
	Vandemielen Mariy	2210 N. Washington Ave. Samuton Do.	
8SX	Vanderveken, Marix Van Hoesen, Claude L	2210 N. Washington Ave., Scranton, Pa	750
BES		206 Frank St., Rochester, N. Y	60
BAFK	Vennum, John E	R. F. D. No. 1, Chester, W. Va	3:
8AKN	Von Behren, William P.	2149 Scottwood St., Toledo, Ohio	30
8GI	Wahl, Edward C	60 Stewart Ave., Buffalo, N. Y	2
8OB	Waldrip, Laurence H	352 Breckenridge St., Buffalo, N. Y	3
8FD	Walker Carl	1626 Potter Pl., Cincinnati, Ohio	1:
8TV	Wallace, L. Gordon	1626 Potter Pl., Cincinnati, Ohio	30
	Waller Por W	927 N 19th St. Cambridge Obio	
8CL	Walter, Roy W	837 N. 12th St., Cambridge, Ohio	1,000
8AGV	Waltz, Roy A Wand, Eugene C	1 Ellicott St., Depew, N. Y	0.0
8FX	Wand, Eugene C	1105 Elmwood Ave., Buffalo, N. Y 18 Brookfield Pl., Lancaster, N. Y	250
8AAY	Wannenmacher, Harvey.	18 Brookfield Pl., Lancaster, N. Y	2
8NA	Waterman, Fred W	116 Broad St., Elyria, Ohio	500
BMU	Watson, Martin L	116 Alice St., Keyser, W. Va	18
8DD	Watts, Felix J	1118 Pearl St., Port Huron, Mich	900
8GII	Weaver, Floyd II	Richmond Mich.	30
8PW	Weaver, Frank M	Richmond, Mich	1,000
BADV	Wedthoff, Guy G	1790 Cth St. Boy City Mich	
		1720 6th St., Bay City, Mich	1,000
BRE	Weeks, Stuart R	Richmond, Mich	880
BRC	Weil, Norman C	231 Riley St., Buffalo, N. Y.	770
8ABK	Weimer, John	271 S. Main St., Mansfield, Ohio	128
8NX	Weiser, Elmer P	284 Brinkman St., Buffalo, N. Y	660
8AEJ	Weiss, Frank J	Amherst, Ohio	550
BHV	Weller, Alvin	1503 Mars Ave., Lakewood, Ohio	450
SOR	Weny, Joseph C	58 Catherine Court, Allegan, Mich	550
BAP	Werner, George	42 E. North St., Buffalo, N. Y	1
BAEZ	West M B		
	West, M. B.	511 W. Eureka St., Lima, Ohio	800
BJS	West Tech Wireless Club.	W. 93d St. and Willard Ave., Cleveland,	1,00
		Ohio.	
BADQ	West, Walter A	617 W. King St., Martinsburg, W. Va	2
8JM	Westfall, Earl J	292 Ontario St., Buffalo, N. Y	2'
RS	Westrick, Leslie	500 4th St., St. Clair, Mich	2
BALW	Weyer, Elliott R	Washington, Pa	2
BDK	Whitmoyer, Ralph E	190 Frederick Ave., Detroit, Mich	2
SLK SLK	Wieneko Edward		2
	Wiehtman E Bussell	128 Peterboro St., Detroit, Mich	
8TC	Wightman, E. Russell	Beach and 3d Sts., Flint, Mich	99
8WO	Wildey, Edwin M Wiley, Violet A	105 Portland Ave., Rochester, N. Y	1
8UH	Wiley, Violet A	159 Northampton St., Buffalo, N. Y	1.
BACU	Willhagen, August G	1294 Concord Ave., Detroit, Mich	1

### 148 BUREAU OF NAVIGATION, DEPARTMENT OF COMMERCE.

### AMATEUR RADIO STATIONS—EIGHTH DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station. Location of station.		Power	
			Watts.	
8AMB	Willhagen, Herman	1245 Joseph Campau Ave., Detroit, Mich.	18	
BIL	Williams, Burton P	2321 Perrysville Ave., Pittsburgh, Pa	500	
BEH	Williams, Claude	820 Brooks St., Ann Arbor, Mich	30	
8KE	Williams, Edward R	Euclid, Ohio	1,000	
BAHD	Wilson, Arthur Y	Euclid, Ohio	49	
BAMI	Wilson, George S	1423 Main St., Buffalo, N. Y	18	
BAFE	Windham, Elwood A	914 Lincoln Ave., Port Huron, Mich	10	
BUF	Wing, Willis K	938 Grand Ave., Toledo, Ohio	26	
BNE	Winglemire, Maurice	Saginaw St., Holly, Mich	1,00	
8AMG	Witzel, Ray	143 Sanford St., Rochester, N. Y	1:	
BAGD	Woehler, Vernon J	508 Blackhoof St., Wapakoneta, Ohio	50	
BAHM	Wolfinger, Ralph W	716 S. State St., Marion, Ohio	2	
BAI	Wonsey, Ray C	302 4th St., St. Clair, Mich	l ī	
8FP	Wood, Corlan E	Allegan, Mich		
8SĀ	Wood, Dewey H	Allegan, Mich	7, 3	
BLM	Wood, John P	Glenwood N Y	Ιī	
BAKO	Woodbury, George F	Glenwood, N. Y	l î	
8SK	Woodcock, William D	496 W. Ferry St., Buffalo, N. Y	1,00	
BAMM	Woodin, Lloyd	15 Lakin Ave., Jamestown, N. Y	1, 3	
BAGO	Woodmansee, Harold W.	214 Morris Ave., Buffalo, N. Y	25	
BAAI	Woodruff, Charles H	48 Woodruff Ave., Columbus, Ohio	33	
BSU	Woodworth, Samuel	DeWitt, N. Y	66	
BOA	Worbass, Raymond K	7410 Carnegie Ave., Cleveland, Ohio	25	
SSS	Wurtz, Francis L	Boston, N. Y.	8	
BWN	Yerigan, George S	632 E. Ludlow St., Hamilton, Ohio	i	
BALK	Young, Joel	717 W. Gray St., Elmira, N. Y	25	
BAEK	Young, Lawrence G	1102 Moyer St., Pittsburgh, Pa	1,00	
BWU		722 N. Washington St., Van Wert, Ohio	1, 82	
8GB	Young, L. Clifford		27	
PGD	Young Men's Christian	Zara and Virginia Sts., Pittsburgh, Pa	41	
8GK	Association.	10 Davies St. Bookseter N. V.	١,	
	Young, Montgomery K	19 Darien St., Rochester, N. Y	1	
BABN	Young, Oliver H	201 Voorhees Ave., Buffalo, N. Y	1	
BAMJ	Zahm, D. F	356 Broadway, Buffalo, N. Y	3	
BIT	Zelenka, Stanley	3546 Carlyle Ave., Cleveland, Ohio	2	
BCH	Zikovsky, Theodore	44 Kingsville Ave., Ashtabula, Ohio	33	
BVN	Zornow, Harry	661 E. 120th St., Cleveland, Ohio	66	

#### ALPHABETICALLY BY CALL SIGNALS.

Call signal.	Owner of station.	Callsignal.	Owner of station.
8AA	Anderson, Sidney E.	8AAQ	Matzinger, Hubel.
8AAB	Letherby, Arthur G., jr.	8AAR	Stouffer, Vernon B.
8AAC	Tiffany, Wade R.	8AAS	Dotterweich, Francis X.
8AAD	Remington, Otto.	8AAT	Kinman, Carson S.
8AAE	Helbling, William E.	8AAU	Brownell, Ralph.
8AAF	Jenks, Cyrus C.	8AAV	Kibbe, William H.
8AAG	Dominick, John H.	8AAW	Anderson, Thure C.
8AAH	Ditto, Earl J.	8AAX	Miller, Carl E., ir.
8AAI	Woodruff, Charles H.	8AAY	Wannenacher, Harvey.
8AAJ	Altenberg, Clarence P.	8AAZ	Flagg, Lloyd E.
8AAK	Pardridge, Clarence R.	8AB	Barr, Forrest L.
8AAL	Moyer, Gilbert G.	8ABA	Hunter, Lafavette D.
8AAM	Burton, Charles A.	8ABD	Myers, Walter L.
8AAN	Lohrey, Clarence R.	8ABE	Lund, Daniel B.
8AAO	Gritton, Jack.	8ABG	Ackerman, Lee D.
8AAP	Kimmel, Leslie.	8ABI	McGraw, George.

Call signal.	Owner of station.	Call signal.	Owner of station.
8ABK	Wimer, John.	8AEL	Reynolds, Marion B.
BABM	Grosse, Herbert F.	8A EM	Galloway, W. Lyon.
BABN	Young, Oliver H.	8AEN	Miller, Lloyd H.
BABO	Mann, Frank W. and Orville L.	8A EO	Doeright, Gilbert A.
BABR	Mathes, Mont M.	8AEP	Shedd, Arthur R.
BABS	Laurenz, George D.	8A EQ	Albertson, W. Charles.
BABT	Dotterwich, Edward, jr.	8AER	Staud, Cyril J.
BABU	Hopkins, Cecil W.	8A ES	Mittendorf, Earl D.
BABW	Straw, R. Clyde.	8AET	Cole, Kenneth.
BACA	Hisey, Norval W.	8AEU	Rippl, Lewis M.
BACD	Eaton, Hamilton A.	8AEV	Houck, Homer D.
BACE	Ahlheim, Norman L.	8AEW	Snyder, Carroll M.
BACI	Shively Norman I	8AEX	
BACK	Shively, Norman J. Blair, Russell M.	8AEY	Hill, Emin.
BACM		8AEZ	Morrow, Floyd D.
	Jacobus, Roger.		West, M. B.
BACN	Siegfried, Rudolf.	8AFA	Schlesinger, Louis.
BACO	Ekelberger, Charles.	8AFD	Finley, Chester T.
BACR	Lugibill, Adrian.	8AFE	Windham, Elwood A.
BACS	Evans, Harold T.	8AFG	Murphy, William Y.
BACT	Staab, H. Herman.	8AFI	Scales, Herbert N.
BACU	Willhagen, August G.	8AFK	Vennum, John E.
BACW	Johnstone, Richard S.	8AFM	Bruley, Cyril G. Moore, Harold S.
8AD	Henders, Vernon W.	8AFN	Moore, Harold S.
SADA	Rann, Maurice B.	8AFO	MacKnight, J. Donald.
BADB	Bray, Thomas J., jr.	8AFR	Shurance, Joseph.
BADC	Roy, Percy W.	8AFS	Kovatch, Alexander.
8ADD	Fassett, G. M. Earle.	8AFT	Leighton, Paul A.
8ADE	Todd, Conway L.	8AFU	Beaman, Paul S.
8ADF	Schrier, Henry.	8AFW	Reardon, Joseph.
8ADG	Chandler, Merle C.	8AG	Broome, Donald W.
8ADH	Drda, Alois P.	8AGA	Stiles, Willis.E.
8ADI	Conley, S. Dewey.	8AGB	Jacks, Albert L.
8ADJ	Pease, Harold C.	8AGC	Hamiltin, Frank A., jr.
8ADK	Ford, Elliott.	8AGD	Woehler, Vernon J.
8ADL	Moler, Charles C.	8AGE	Hanville, Roy A.
8ADM	Crandall, J. Lee.	8AGF	Howard, Carl G.
8ADN	Stein, Robert R.	8AGG	Berryman, Plimpton S.
8ADO	Kahn, Fred J.	8AGII	Burns, Herman E.
8ADP	Henney, Keith.	8AGI	Schafer, Charles.
8ADQ	West, Walter A.	8AGJ	Ricksecker, Russell E.
8ADŘ	Smith, Warren T.	8AGK	James, Charles A.
8ADS	Price, Leo A.	8AGL	Bishop, Robert C.
8ADT	Greenwald, Hugo.	8AGM	Derr, Paul L.
8ADU	Hoffman, Donald A.	8AGN	Lindsay, Alexander M., jr.
8ADV	Wedthoff, Guy G.	8AGO	Woodmansee, Harold W.
8ADW	Hume, McKinley.	8AGP	Popky, Charles J.
8ADX	Kellogg, Frederic J.	8AGQ	Learmont, Victor.
8ADY	Anderson, Harry M.	8AGŘ	Scupholm, Fred J.
8ADZ	Pitzer, Wilbur E.	8AGS	Lathrop, Fred A. L.
8AE	Berndt, William F.	8AGT	Hand, Ledyard M.
SAEA		8AGU	
	Cushman, Robert A.	8AGV	Jepson, Mark B.
SAEB	Kepler, Newton. Gerhard, David II.	8AGW	Waltz, Roy A. Carlson, Wendell L.
8AEC			Paged Hareld
8AED	McCutcheon, William A.	8AGX	Paasch, Harold.
8AEE	Churchill, Herbert S.	8AGY	Durham, Harold M.
8AEF	Perry, Ransom, jr.	8AGZ	Bohannan, Robert C.
8AEG	Davis, Ellsworth.	8AHA	Matthes, Frank P.
8AEH	Balson, Donald W.	8AHD	Wilson, Arthur Y.
8AEI	Erskine, James.	8AHE	Bruning, Miles F.
8AEJ	Weiss, Frank J.	8AHG	Cook, Paul.
SAEK	Young, Lawrence G.	I BAHI	Sheldon, Carew.

Callsignal.	Owner of station.	Call signal.	Owner of station.
ванк	Couperthwait, George F.	8AKJ	Barnwell, Albert E.
BAHM	Wolfinger, Ralph W.	8AKK	Straith, Floyd E.
SAHN	De Tries, Garold G.	8AKL	Stanley, Clinton B.
	Poidonbach Lector A	8AKM	Lewis, James F.
ВАНО	Reidenbach, Lester A.		
BAHR	Sloyer, Roy E.	8AKN	Von Behren, William P.
BAHS	Bechtol, George, jr.	8AKO	Woodbury, George F.
AHT	Coldewey, Fred W., jr.	8AKP	Proper, Jesse B.
BAHU	Buckwalter, Eugene M.	8AKQ    8AKR	Kaehni, Francis J.   MacLaren, Wallace E.
BAHW	Knomer Hereld F	8AKS	Meredith, C. Palmer.
	Kremer, Harold E.	8AKT	Goorge Charles C
BAI	Wonsey, Ray C.		George, Charles C.
BAIA	Cady, Fred L.	8AKU	Adams, Miles R.
BAIB	Heinrich, Raymond.	8AKV	Justus, William F.
BAID	Butine, Arthur B.	8AKW	Giesenberg, Carl.
AIE	Muryne, Leo F. J.	8AKX	Spaulding, Claude W.
AIF	Bell, Irving.	8AKY	Dyke, S. Eugene.
BAIG	Parry, Kenneth E.	8AKZ	Sayles, Thomas S.
AIH	Hoehl, Raymond H.	8AL	Russell, James.
AII	Sanborn, Irwin T.	8ALA	Snider, Ellwood H.
AIJ	Huey, Wesley.	8ALD	Lacock, Walter B.
	Boyd, Donald M.	8ALE	Alexander, Lot.
BAIK	Doyd, Donaid M.		
BAIL	Beaumont, William F.	8ALG	Neal, Russell.
BAIM	Brothers, Loyd C.	8ALI	Dauberman, John R.
BAIN	Hughes, Edward H.	8ALK	Young, Joel.
BAIO	Lannen, Cecil J.	8ALM	Hunter, Noble A.
3AIP	Salter, Albion E.	8ALN	Addis, Roy R.
BAIQ	Karl, Rudolph.	8ALO	Bovee, Charles W.
BAIR	Munro, Glenn A.	8ALR	Davis, Paul E., jr.
BAIS	Burdick, George M. C.	8ALS	Reed, Arthur J.
BAIT		8ALT	Howland, Dwight.
	Carpenter, Sears.	8ALU	
BAIU	Kays, George W., jr.		Burkhardt, George E.
BAIV	Kaestle, Albert.	8ALW	Weyer, Elliott R.
BAIW	Glover, James W.	8AM	Hartle, Wilbert G.
BAIX	Hilf, Alfred J.	8AMA	Champe, Willard A.
BAIY	Boastfield, Thomas W.	8AMB	Willhagen, Herman.
BAIZ	Klyne, Arthur B.	8AMC	Garrette, Milton W.
BAJ	Clough, Bert E.	8AMD	Schaible, Raymond.
ЗАЈЛ	Parmington, Walter O.	8AME	Dobson, J. Howard.
BAJD	Evans, Henry S.	8AMF	Swingle, Forrest W.
MJE	Jax, Clarence.	8AMG	Witzel, Ray.
BAJG		8AMH	
	Evans, Willard M.		McCaig, William J.
BAJI	Schober, William.	8AMI	Wilson, George S.
BAJK	Carmack, Floyd A.	8AMJ	Zahm, D. F.
BAJM	Koepke, Elmer A.	8AMK	Spencer, Elmer H.
BAJN	Rosenthal, Sydney.	8AML	Thurn, Alois H.
ВАЈО	Amann, J. C. Smith, Harold H.	8AMM	Woodin, Lloyd.
BAJR	Smith, Harold H.	8AMN	Shiffer, R. A.
BAJS	Raichle Joe L.	8AMO	Supernaw, Jack S.
BAJT	Hart, Harold F.	8AMP	Tynes, John P.
AJŪ	Hammerstrom, Amy M.	8AMQ	Anson, Charles T.
	Aland Joseph T		
BAJW	Aland, Joseph T.	8AMR	Ewell, Pearl A.
MK.	Smith, Russell E.	8AMS	Patchin, Ivan C. Higgins, Orlo M.
BAKA	Bender, Raymond C.	8AMT	Higgins, Orlo M.
BAKB	Kinback, Wilbur L.	8AMU	Mather, Joseph S.
BAKC	Lee, Harold.	8AMV	Thompson, Charles R.
BAKD	Beam, Francis H.	8AMW	Kreuzer, Joseph D.
BAKE	Daly, James J.	8AMX	Cory, Samuel I.
BAKF	Henner Earl	8AMY	Kingsbury, Ralph N.
SAKG	Hepner, Earl. Hassell, Karl E.	8AMZ	Hovey Carlton F
BAKH	Hassell, Karl E. Hartwich, Harry.	8AN	Hovey, Carlton F. Davis, Frank.
	Klinkner, Alfred J.		
	i Kunkher, Alired J.	∥ 8ANA	Johnston, Dale S.

Amateur Radio Stations—Eighth District—Alphabetically by Call Signals—Continued.

allsignal.	Owner of station.	Call signal.	Owner of station.
AO	Deighan, Edward L.	8CY	Payne, Arthur F.
AP	Werner, George.	8CZ	McDaniel, Donald G.
ÂQ	Ela, Edward C. and William C.	0\2	menumer, Donaid G.
AŘ		8DA	Jackson Joseph is
	Schorn, Valentine A.		Jackson, Joseph, jr.
AS	Muhlbeyer, Charles W.	8DC	Reb, Frank.
AT	France, William.	8DD	Watts, Felix J.
AU	Frost, Harry E.	8DE	Thomas, William K.
AV	Fullwood, William R.	8DF	Orrell, Robert W.
AW	Gogel, Adelbert J.	8DH	Temple, Lemuel M.
ΑX	Gentzsch, Leonard II.	8DI	Gurnec, Floyd L.
AZ	Hansen, Edmund II.	8D <b>J</b>	Phillips, Glenn E.
		8DK	Whitmoyer, Ralph E.
BA	Hiller, Herbert A.	8DL	Spearman, Monroe.
3B	Howes, Stanley L.	8DN	Knappen, Bert.
BC	Davis, Charles C.	8DO	Bell, Norman W.
BD	Dugan, Charles.	8DP	Fritsche, Lewis W.
BE	Lippert, John P.	8DQ	Roener, Hubert J.
F	Jarvis, Roy B.	8DŘ	Holmes, Charles E.
G	Kastenhere Paul G	8DT	Rogers, Grant.
BH	Kastenberg, Paul G. Kingsbury, Kenneth.	8DU	Downing, Harry E.
BI		8DV	
	Kroeger, Gustav H.		Cobb, Rupert G.
BJ DV	Shelley, Clayton B.	8DW	Apger, Charles O.
3K	Lappe, E. Robert.	8DX	Porter, Harry T.
3L	O'Bryan, James W.	8DY	Stecher, Harold I.
BM	Ruhl, Mark.	8DZ	Aker, Ellison E.
BN	Rockwell, Donald B.	l	
30	Lyons, Henry E.	8EA	Mack, Clifford J.
3 <b>P</b>	Macer, Arthur T.	8EB	Munsell, Robert S.
3Q	Menges, William E.	8EC	Phillips, Wendell G.
BR	Miner, Simeon J.	8ED	Carver, Alfred J.
BS	McDonell, Donald.	8EE	Selden, James M., jr.
3T	Ogle, Harry B.	8EF	Dorst, Edward L.
3U	Stableford, Vernon.	8EG	Gebhard, Louis A.
3W	Gruber, William S.	8EH	Williams, Claude.
3Y	Schwindt, Herman J.	8EI	Gray, Clarence N.
$3\bar{\mathbf{z}}$	Steele, Maurice.	8EJ	Kolb, Edwin II.
,,,	200010, 21201100.	8EK	Kumpf, Elmer II.
CA	Fidler, Sherwood K.	8EL	Langenbach, Leo.
B CB	Thiesen, H. W. F.	8EM	Mayer, Joseph R.
ČČ	Barnett, Walter J.	8EN	Marshall, George.
CD CE	Lindhorst, Lester.	8EP	Scovill, Edward H.
E	Adler, Jerome.	8EQ	Leighton, Clifford R.
F	Danner, Howard M.	8ER	Elias, Louis W.
G	Grieb, Edward J.	8ES	Van Hoesen, Claude L
Ħ	Zikovsky, Theodore.	8EU	Kinne, Laurance W.
I	Richards, Theodore D. and	8EV	Mason, Carl D.
	George B.	8EW	Current, Warren J.
J	Andrews, William S.	8EX	Henlein, Carl L.
K	Grinnell, Russell R.	8EY	Jervis, Thomas E.
L	Waller, Roy W.		h, i
M	Simpson, Joseph N.	8FA	Fender Clinton H.
N	Johnson, Elmer.	8FB	Ulah, Chester.
ö	Grove City College.	8FC	Holden, Ira S.
ŏ.	Brede, Erwin F.	8FD	Walker, Carl.
Ř	Coven, Allen W.	8FE	Finch, Brent S.
S	Benzee, Henry J.	8FF	Baker, Raymond S.
T		8FG	Coleman, John B.
	Myers, Raymond W.		Hornes William
U	Forshee, Kenneth.	8FH	Haynes, William.
V	Kress, Lester P.	8FI	Burger, Richard W.
W	Bucholz, Herbert C. Phippeny, Forrest I.	8FJ   8FL	Clausing, Leroy M. E. Buchanan, Sutton R.
X			

Call signal.	Owner of station.	Call signal.	Owner of station.
8FM	Daugherty, Robert J.	8IA	Griffin, John F.
8FN	Toland, Gerald H.	8IB	Mielke, Carl E.
8FO	Snyder, Norman G.	8IC	Hoover, Paul L.
8FP	Wood, Corlan E.	8ID	Norris, George H.
		8IE	Little, John F. H.
8FQ	Remorino, L., jr.		
8FR	Brownell, Elmer.	8IF	Urban, Raymond G.
8FS	Donehue, Daniel, jr.	8IH	Overbeck, Erwin C.
8FT	Spargo, Jamee A., jr.	8II	Steim, L. Harold.
8FU	Blattner, E. Herman.	8IJ	Diederich, Paul E.
8FV	Backus, Harry F.	8IK	Richardson, Norton.
8FW	Schlegel, Ralph C.	8IL	Williams, Burton P.
8FX	Wand, Eugene C.	8IM	Collins, Benjamin F.
°		8IN	Ranger, Arthur.
8GA	Russ Cowlon	810	Garrity William D
	Burr, Gordon.	81P	Garrity, William D.
8GB	Hill Top Y. M. C. A.		Trotter, Robert J.
8GC	Hoffman, Walter R.	8IQ	Forsberg, William.
8GD	Dutt, Angus.	8IR	Miller, Arthur P.
8GE	Anderson, John M., jr.	8IS	Munch, Ernest A.
8GG	Eucher, Clarence J.	8IT	Zelenka, Stanley.
8GH	Weaver, Floyd H.	8IU	Clark, W. Andrew.
8GI	Wahl, Édward C.	8IV	Brehmer, Harry.
8GJ	Kleinhaus, Arthur.	8IW	King, Joe P.
8GK	Young, Montgomery K.	8IX	Dencer, John.
8GL		8IY	Swain, Herbert N.
	Konrad, Henry.	8IZ	
8GN	Henninger, Alan E.	0122	Steinman, Dwight H.
8GQ	Horn, Herbert E.	074	0 5
8GR	Joecken, George I.	8JA	Gunn, Ross.
8GS	Kneale, C. Kewley.	8JB	Beare, George L.
8GT	Hamel, Arthur.	8JC	Bedwin, Earl T.
8GU	Loehr, George R.	8JF	Plekenpol, Ernest.
8GV	Klever, Jackson O.	8JG	Lord, Donald M.
8GW	Spencer, J. Edmund.	8JH	Schaefer, George A.
8GX	Pentland, Henry B.	8JI	Maddock, Lewis D.
8GY	Leonard, Edwin.	811	Henze, Jerome C.
8GŽ	Cromore Loglio D	8JK	Inches Cotomouth M
8G2	Cromey, Leslie D.		Jackson, Cotesworth M. Raring, William.
	Dakler Tellers	8JL	Maring, William.
8HA	Roblee, Judson.	8JM	Westfall, Earl J.
8HB	Roberts, Hayden P.	8JN	Arthurs, Biddle, jr.
8HC	Johnston, S. Paul.	8JO	Little, Donald G.
8HD	Myers, Homer B.	8JP	Becker, Freeman A.
8HE	Stevenson, George L.	8JQ	Lusink, C. Irving.
8HF	Shaney, Aubrey A.	8JŘ	Sherrill, Alvan C.
8HG	Schardt, Carl M.	8JS	West Tech Wireless Club.
8HI	Schardt, Carl M. Barber, Nelson J.	8JT	Albrecht, Harvey O.
8HJ	Terry, James E.	เมีย	Aldridge, George P.
8HK		8JV	
	Spiller, Archibald G.		Kreighbaum, Cyril H.
8HL	Boyes, Edwin G.	8JW	Anderson, Joseph D.
8HM	Human, Edward J. L.	8JX	MacCandless, Lyon H.
8HN	Fee, Dean.	8JY	Chamberlain, Oscar A.
8HO	Holt, George W.	8JZ	Manning, Alfred J.
8HP	Moershielder, Herbert L.	1	
8HQ	Poux, Noel J.	8KA	Ankerman, Roy E.
8HR	Foster, Clarence M.	8KB	Core, Eugene D.
8HS	Berry, L. Mack.	8KC	Hetheringtor, II. Paul.
	Petz, Joseph.	8KD	Roniomin Corlists
8HT	Force Clone		Benjamin, Carlisle.
8HU	Faroo, Glenn.	8KE	Williams, Edward R.
8HV	Weller, Alvin.	8KF	Broughton, Harry J.
8HW	Strunk, William O.	8KI	Brockway, Earl H.
8HX	Phillips, Stanley.	8KJ	Desiardins, Gregory T.
8HY	Kuehner, Roland.	8KK	Devaney, Richard G.
8HZ	Fraser, John W.	8KL	Dreifus, Fred B.

Amateur Radio Stations—Eighth District—Alphabetically by Call Signals—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
8KO	Combs, Frayne.	8NQ	Robbins, Melvin G.
8KP	Fuss, Chester G.	8NQ 8NR	Hare, Paul W.
8KQ	Fisher, Earl U.	8NT	Maue, Leon G.
	Uille Vincil A	8NU	
8KR	Hills, Virgil A.		Brown, Willard S.
8KS	Sidnell, Robert G.	8NW	Hankin, John H.
8KT	Benzee, Joseph M.	8NX	Weiser, Elmer P.
8KV	Dobbie, John, jr.	8NY	Straub, John O.
8KW	Kohler, Harry W.		
8KX	Cuff, Harold C.	80A	Worbass, Raymond K.
8KY	Kunnar, William.	80B	Waldrip, Laurence II.
8KZ	Landgraff, William J.	80C	Kuehnle, George J.
	8 ,	80D	Luedeke, William P., jr.
8LD	Rice, Homer D.	8OE	Smith, Verne E.
8LE	Scott, Hoyt S.	8OF	Goodwin, Seth A.
8LF	Saunders, Ezra L.	8ŬG	Brink, Frank J.
8LG		801	
	Sibert, Richard E.		Patterson, Grant, jr.
8LH	Stauft, Jacob L.	80J	Furlong, Marcie J.
8LJ	Baxter, Raymond L.	80K	Scheib, Joseph.
8LK	Wieneke, Edward.	80L	Stern, Fred W.
8LL	Schwanecamp, Raymond.	8OM	Balsley, James I.
8LM	Wood, John P.	80N	Ilgenfritz, Lester M.
8LN	Spaulding, Ray F.	800	Bird, Harold C.
8LO	Ottelin, Conrad.	80P	Reynolds, Charles L.
8LP	Bly, Ralph.	80R	Weny, Joseph C.
8LQ	Dunlap, Orrin E., jr.	8OU	Boyer, Harry A.
8LS	Ferris, Warren O.	80W	Dotterweich, Joseph H.
8LW	Philipp, Lawrence A.	80X	Dreux, Alexander J.
8LY	Rose, Herman.	80Z	
8LZ	Sharbaugh, Wilbur.	802	Staten, Arthur.
0112	bharbaugh, whour.	8PB	Nelson, Frank A
8MB	Maxon, Harry L.	8PC	Kersting, Ferdinand.
8MC	Holmes, Charles A.	8PD	Krause, Karl A.
8MD	Hall, Eldred R.	8PE	Lucas, Clarence E.
8MF	Robie, Milo H.	8PF	Malbin, Samuel.
8MG	Fish, J. Mulford.	8PH	Chick, John B.
	Duck-all Clarence F	8PI	Day, James M., and Butche
8MH	Bushnell, Clarence E.	011	W Dames M., and Duche
8MI	Manning, Howard II. Finch, William G. 11.	ODT	W. Byron.
8MK	Finch, William G. II.	8PJ	Ehrich, William F.
8ML	Lovell, Charles L.	8PK	Gamble, Fredereick D.
8MM	Benzee, Arthur H., jr.	8PM	Higgey, Robert C.
8MN	Knoll, Floyd A.	8PO	Schaaf, John M.
BMP	Neupert, Robert E.	8PQ	Shaw, Eurcile L.
8MQ	Dear, Harry D.	8PR	Stiveson, Andrew.
8MŘ	Livinggood, Hubert W.	8PS	Hart, John R.
8MS	Ritchey Ole R	8PT	Hornung, Romey W.
8MU	Watson, Martin L. Carson, William II.	8PU	Imbt, Russell.
8MV	Comon William II	8PV	Pearson, Harry.
	Called Tania II in	8PW	Weaver, Frank M.
8MW	Follet, Louis H., jr.		
BMY	Fisher, Harold W.	8PX   8PZ	Marsh, Harry H., jr.
8NA	Waterman, Fred W.	01.21	Bishop, Carryl L.
8NB	Frederick, Paul E.	8QB	Haderer, John.
BNC	Coolidge, James H., 3d.	8QD	Leonhardt, Carl.
8ND	Grigg, Arthur.	8QE	Kester, Harold P.
OME	Winglamina Maurica	8QF	Klinck, Charles C., jr.
8NE	Winglemire, Maurice.	1000	Towie Welton F
8NF	House, Elra E.	8QG	Lewis, Walter E.
8NH	Candler, Mrs. Charles.	8QI	McEniry, Clifford U.
BNI	Daniels, Worth D.	8QJ	Bornman, Frederick D.
8NJ	Bartholomew, William F.	8QK	Jones, Edwin P
8NM	Keen, William L.	8QL	Corey, Harry E.
8NO	Hansen, Torvald.	∥ 8QM	Jones, Jesse K.

Call signal.	Owner of station.	Call signal.	Owner of station.
8Q0	Kirly, H. Howard.	8TD	McMillan, Howard F.
š <b>Q</b> P	Powell, Ralph C.	8TE	Gilmore, Alden J.
		8TF	
SQQ	Kample, Lorbert J.		Cunningham, Fred B.
BQR	Grostick, George E.	8TG	Dehnel, Alfred H.
3QS	Brow, Robert.	∥ 8TH	Gallo, Tony.
3QT	Sly, Edward E.	8 <b>TJ</b>	Friedman, Martin.
BQU ∣	Schunck, Robert F.	8TK	Jefferys, Paul M.
BQV	Hogan, James E.	8TL	Dowding, Sidney J.
BQW	Potts, Charles G.	8TM	Hoobler, William H.
3 <b>Q</b> Y	Martin, Cecil E.	8TN	FlaHavhan, Harry E., jr.
· •	,	8TO	Attwood, Brooke.
RA	Klager, Oscar C.	8TP	Nealon, William A.
RC	Weil, Norman C.	8TQ	Donaldson, William E.
RD			
	Burr, Roy C.	8TR	Fischer, Carol V.
RE	Weeks, Stuart R.	8TS	Eppley, Ervin W.
RF	Ritchie, Carl L.	8TU	Leach, Gardner V.
BRH	Blum, Robert A.	8TV	Wallace, L. Gordon.
BRI	Beeler, Hughes.	8TW	Richey, Joseph L.
Brj	Irvine, Robert P.	8TX	Stevens, Burdett F., jr.
RK	Dalrymple, Clarence F.	8TY	Ehrhardt, Roy C.
RL	Last, George.	8TZ	Beasley, Ira E.
RM	Smith, Harold M.		
RN	Altman, Allen.	8UA	Foncanon, H. Knight.
			Andrews Cooil I
RO	Gwinner, Frederick 3d.	8UB	Andrews, Cecil J. Chadde, Walter F.
RQ	Ashtabula High School.	8UC	Chadde, Walter F.
RR	Hull, Earl C.	8UD	Brown, Kenneth W.
BRS	Westrick, Leslie.	8UE	St. Augustine School.
8RT	Ubersax, Delmar G.	8UF	Wing, Willis K.
8 <b>RV</b>	Marshall, Frank J.	8UG	Moore, Chester.
8RW	Schmidle, Claude.	8UH	Wiley, Violet A. Hylie, Howard D.
8RX	Barringer, Russ.	8UI	Hylie, Howard D.
8RY	Goetz, Carl P.	8Ŭ <b>J</b>	McDade, Henry J.
	door, carr.	8UK	Egan, James.
8SA	Wood Down H	8UL	
	Wood, Dewey H.		Campbell, Henry W.
SSB	Schmidt, Norman F.	8UM	Flehr, Paul D.
SSC	Bidwell, Paul.	8UN	MacPherson, William D.
BSE	Falck, Norman B.	8UO	Jones, D. Walter.
BSF	Fowler, Robert J.	8UP	Lathrope, Lyman S.
8SG	Pesek, Myron R.	8UQ	Steinkirchner, Fred B.
8SH	Spotts, Ralph T.	8UR	Hott, Loewy.
8SI	Beach, Walter R.	8US	Hancock, H. W.
8SJ	Ottney, James N.	8UT	Klein, Harold H.
SŠK	Woodcock, William D.	8UU	Schnidtz, George.
BSL	Stenzel, Arthur W.	8UV	Marshall, Ronald A.
		8UW	Mainhold Albort A
8SM	Coleman, H. Burr.		Meinhold, Albert A. Sleeman, Walter R.
BSN	Glatzell, Earle D.	8UX	Adams Tassins O
8SO	Maggs, H. Carrol.	8UY	Adams, Lucius O.
8SQ	Clarke, John H.	8UZ	Mack, George.
8SR	Locke, Benjamin C.		
BSS	Wurtz, Francis L.	8VA	Frost, August.
BST	Muhlheizler, Louis.	8VB	Trombley, Clarence F.
SU	Woodworth, Samuel.	8VC	Brown, Arthur B.
ssv	Lilley, Ralph H.	8VD	Riehle, J. F
BSW		8VE	Riehle, J. F. Sidele, William R.
	Eames, William F.		Loomis, Ralph M.
8SX	Vanderveken, Marix.	8VF	
8SY	Maynard, Reginald.	8VG	Chartener, Ralph R.
8SZ	Hay, Russell.	∥ 8VH	Googin, Nicholas L., jr.
	N1. 01 .	8VI	Case, Harlow.
8TA	Blam, Louis.	8VJ	Umbarger, Harold N.
8TB	Handler, Eugene H.	8V <b>K</b>	Smith, Johnny.
8TC	Wightman, E. Russell.	8VL	Edick, Leonard J.

### AMATEUR RADIO STATIONS—EIGHTH DISTRICT: ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
8VM	Stevens, William II.	8WG	Densmore, U. Harry.
8VN	Zornow, Harry.	11.7/8	McCullough, C. Hax.
8VO	Barnard, Earl E.	8WI	Gillmore, Willard F.
8VP	Ball, Alfred.	8WJ	Stelzer, James G.
8VQ	O'Reilly, J. Bernard.	8WK	Campbell, George F.
8VŘ I	Calvert, George C.	8WL	Stone, Dana C.
8VS	Buck, E. Harold.	8WM	Nesbitt, Arthur.
8VT	Macrow, Lester E.	8WN	Yerigan, George S.
8VU	Geiser, Roger A.	8WO	Wildey, Edwin M.
8VV	Munger, George R.	8WP	Hauenstein, Waldo E.
8VW	Stevens, Allen C.	WQ 8WQ	Poysell, Robert E.
8VX	Fraser, William T.	8WR	Hultgren, Fred F., and Schmidt
8VY	Caplan, Zola.		William R.
8VZ	Davis, Harry R.	8WS	Taylor, J. L., jr.
	,	8WT	Harber, Elwood F.
8WA	Morgenstern, Ronald.	8WU	Young, L. Clifford.
8WB	Herrington, Fred.	ll 8WV	Hawxhurst, Wilbur F.
8WC	Crabbe, J. E.	8WW	Barnes, Orton S.
SWD	Conlon, Bernard.	8WX	Rodd, Herbert C.
8WE	Hickler, Walter R.	8WY	Coleman, Aaron B.
8WF	Goertemoeller, Bernard H.	8WZ	Kennedy, Duane E.

#### 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.	l'ower.
0017			Watts.
9CK	Abel, Wilson L	Clear Lake, Iowa	18
9NH	Abercrombie, Julius B	2424 Duncan St., St. Joseph, Mo	100
9FN	Abraham, Walter H	1204 W. 5th St., Davenport, Iowa	16
9EX	Adolfson, George S	5229 Colorado St., Duluth, Minn	
9QD	Albach, Henry, jr	618 W. 4th St., Lawrence, Kans	5
9RI	Albrecht, Harry L	837 N. Trumbull Ave., Chicago, Ill	1,000
9FC	Anders, Harry R	4811 West End Ave., Chicago, Ill	495
9TW	Anderson, Axel V	212 N. Florida St., Laurium, Mich	
9KM	Anderson, Oscar L	11815 State St., Chicago, Ill	
9SN	Anderson, Virgil	3614 Rebecca St., St. Louis, Mo	
9MB	Andreas, Gerald T	Bayfield, Wis	550
9AK	Andresen, E. Norman	3512 Medill Ave., Chicago, Ill	60
9GW	Arnold, Ercil	Chapman, Kans	250
9QL	Baldwin, John G	Hope, N. Dak	1,000
9DW	Barrett, Arthur C	208 4th St., Mendota, Ill	600
9OJ	Barry, Daniel	310 W. Grand Ave., Springfield, Ill	
9D <b>Z</b>	Barton, Harold	2336 N. Alabama St., Indianapolis, Ind	25
9IL	Batcher, Ralph	Toledo, Iowa	1,000
9HR	Baulch, Ernest L	509 Eddings St., Fulton, Ky	12
9JE	Baumer, Harry W	5036 Kenmore Ave., Chicago, Ill	825
9CO	Bautz, Ŕussell	395 6th Ave., Milwaukee, Wis	50
9DJ	Beasley, William A	1517 Western Ave., Topeka, Kans	275
9LJ	Becker, Clarence	425 S. College St., Springfield, Ill	330
9QT	Beighley, Emmet R	107 N. 13th St., Fargo, N. Dak	330
9ŘF	Beil, Richard M	1306 Winona Ave., Chicago, Ill	170
9PG	Bergherm, Worth D	1202 N. 1st Ave., Fargo, N. Dak	1,000
9HE	Bergvall, Royal C. and Wesley E.	Stephenson, Wis	20

AMATEUR RADIO STATIONS—NINTH DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Watts.
9JY	Black, Max I	830 W. 3rd Ave., Mitchell, S. Dak	20
9GB	Boess, Murray R	Lake Bluff, Ill	24
9HH	Bohać, Leonard	402 W. 1st Ave., Cedar Rapids, Iowa	880
9RC	Bohnstengel, George	Thornton, Ill.	990
9JO	Bolen, John C., jr	Thornton, Ill. Petersburg, Ky. 5505 Bartmer Ave., St. Louis, Mo.	24
9PF	Bolin, Ray E	5505 Bartmar Ava St Louis Mo	500
9SZ	Bonney Harold H	Louisvilla III	36
9TM	Bonney, Harold H Bonson, George W	Louisville, Ill	
9OP	Pown John F F		1,000
9NJ	Born, John F. F	6649 Champlain Ave., Chicago, Ill	
	Brabender, Carl W	907 Linwood Ave., Evansville, Ind	36
9SA	Brennan, Joseph D	501 Alpine St., Dubuque, Iowa	30
9LD	Brinkerhoff, George II., jr.	6800 Lowe Ave., Chicago, Ill	48
9SD	Broughton, William G	213 S. Court St., Crown Point, Ind	36
9BU	Brown, Clarence L	1022 E. Tabor St., Indianapolis, Ind	500
9IW	Brown, Ellsworth	3425 Holmes St., Kansas City, Mo	220
9CR	Buehner, Howard	381 19th Ave., Milwaukee, Wis	18
9HI	Burchnell, George M	Monroeville, Ind	500
9SH	Burdick, Roy E	Monroeville, Ind	30
9KN	Burg, Harold E	865 S. Maffit St., Decatur, Ill.	1,000
9ED	Burgess, Charles M	Geneva, Ill.	2,000
9KU	Burgy, Charles A., jr	693 Willow St. Winnetka III	220
9RW	Burhop, Harold	693 Willow St., Winnetka, Ill	56
PQH	Busey, James D	Havana N Dok	
9NW		Havana, N. Dak.	500
	Caldwell, Kenneth R	623 W. William St., Decatur, Ill	
9IQ	Call, George R	1529 Pearl St., Sioux City, Iowa	248
9QB	Cannon, Charles B	out w. bin St., Superior, wis	770
9KD	Carll, W. Curtis	918 S. Noble St., Indianapolis, Ind	250
9QW	Carnes, Theodore L Caroll, William H	932 N. Illinois St., Indianapolis, Ind	45
9LR		6334 McPherson Ave., St. Louis, Mo	1,000
9 <b>P</b> C	Carter, George W	Fort Wayne, Ind	600
9LC	Casey, John G	4945 Forrestville Ave., Chicago, Ill	291
9PD	Cassaday, Cecil E	3038 Brooklyn St., Kansas City, Mo	972
9NT	Chapman, Richard C Chaudet, William J	1332 K Street, Lincoln, Nebr	500
9FI	Chaudet, William J	4176-A Delmar Blvd., St. Louis, Mo	500
9JN	Chubb, Jake H	1205 9th St., Burlington, Iowa	27
9OB	Church, Archibald, ir.	4854 Dorchester Ave., Chicago, Ill.	250
9DP	Clark, Bayard H	205 Augusta Ave., De Kalb, Ill	1,000
9PJ	Clark, Robert J	Humboldt, Iowa	1,000
9GU	Clayton, Homer E	680 Arch St., Indianapolis, Ind	1,000
9ÑĂ	Cleaveland, Leroy A	374 Farwell Ave., Milwaukee, Wis	75
9BK	Clemons, G. H	Storm Lake, Iowa	85
9CN	Cobb, Merle	Elkhorn, Wis.	. 27
ocr		61 N Colo St Indiananalia Ind	990
9IF	Cole Jirch D ir	61 N. Gale St., Indianapolis, Ind	
9AN	Cole, Jirah D., jr	810 Vernon Ave., Glencoe, Ill	504
JAN	Cole, Jirah D., jr	Community House, Lincoln St., Winnetka, Ill.	440
9AF	Cole, Walten E., jr	1004 15th St., Sioux City, Iowa	18
9GV	Coles, James A	3637 12th Ave., Minneapolis, Minn	63
9KP	Conner, Claud H	500 Washington Ave., Cairo, Ill	220
ET	Conzelman, J. Wilson	500 Washington Ave., Cairo, Ill	770
9SC	Cooper, Charles H	2126 Elliott St., Indianapolis, Ind	1,000
PT	Corey, Flournoy	1051 20th St., Des Moines, Iowa	440
iôo	Coultas, Charles	950 Beach Ave., St. Louis, Mo	250
BI	Craig, Richard A	1807 N. Meridian St., Indianapolis, Ind	220
HL	Crawford, Robert N., jr	3829 Vincennes Ave., Chicago, Ill	770
TE			
PAE	Cronk, Seymour H Crouch, Haley C	Stafford, Kans. 240 W. 10th St., Wichita, Kans.	550 220
			7.70

# Amateur Radio Stations—Ninth District—Alphabetically by Owners of Stations—Continued.

'all signal.	Owner of station.	Location of station.	Powe
			Watt
EQ	Cruikshank, Charles A., ir.	1000 Bird St., Hannibal, Mo	66
RX	Cummings, Murney	619 Lake Ave., Racine, Wis	44
GN	Curtis, Charles D	Pembina, N. Dak	1,00
TO	Cyr, Darrell, J	109 W. 2d St., Sioux City, Iowa	1,00
FH	Dahm, Henry L	5932 Plymouth Ave., St. Louis, Mo	95
SF	Daugherty, Hugh D	2335 Bellfontaine St., Indianapolis, Ind	ĭ
ĀZ	Davidson, James G	6636 Normal Blvd., Chicago, Ill	3
нм	Davis, Donald W	21 E. Caramillo Ave., Colorado Springs, Colo.	55
EZ	Davis, Richard M	1065 Yuma St., Denver, Colo	4
QG	Davis, T. Harley	2738 Crown Point Ave., Omaha, Nebr	2:
SO	Day, Harold E	209 Gray St., Indianapolis, Ind	
NN	Day, Harold E Deal, Harmon B	6 S. Fountain St., Cape Girardeau, Mo	1,00
EG	Dean, Carl W Debus, George W	3115 N. Capitol Ave., Indianapolis, Ind	46
RH	Debus, George W	1910 Sunnyside Ave., Chicago, Ill	5
ow	Del-Vecchio, Earl	3810 Alta Vista Ter., Chicago, Ill	4
GP	Denny, L. Erle	Sorento, Ill	
UD	Diehl, Grant, jr	699 27th St., Milwaukee, Wis	7.
MS	Dier, Stephen	1305 Court St., Le Mars, Iowa	1,0
TU	Dietterich, Frank E	3340 College Ave., Kansas City, Mo	2
OA	Dilley, Joseph	1067 Ainslee St., Chicago, III	
FE	Dunklan, George	2634 Cottage Grove Ave., Chicago, Ill	2
3C	Dunklan, George Dunlap, Carroll M	Manchester, Iowa	1.
3 <b>T</b>	Duquette, Herbert E	500 Glenn Ave., Council Bluffs, Iowa	2
OF	Dutton, Laurence E	3540 W. 60th Pl., Chicago, Ill	li .
J	Dyson, L. E Egloff, Martin F	1024 Park Ave., Covington, Ky	
W	Egloff, Martin F	2729 W. Barry Ave., Chicago, Ill	4
_V	Ehling, Fritz Eichenberger, Walter	1438 E. 11th St., Indianapolis, Ind	5
I	Eichenberger, Walter	510 N. 5th St., Hannibal, Mo	3
$\Pi$	Eick, Ferdinand	1818 19th St., Superior, Wis	_
D [	Eisele, Edward J	1324 Rutledge St., Madison, Wis	5
OR	Eling, Raymond W	6637 Greenwood Ave., Chicago, Ill	_
On	Elliott, Byron K	1733 N. Meridian St., Indianapolis, Ind	2
B	Erikson, Eben W	1108 Elm St., Winnetka, Ill	2
HY	Erwood, John, jr	4880 Kenmore Ave., Chicago, Ill.	5
AZ	Evans, Walter C	6632 Kimbark Ave., Chicago, Ill	9
[Q	Faber, Peter, jr	302 S. Park St., Madison, Wis	1, 0
OC	Fahrney, Clarence H	Polo, Ill	5
	Fay, Arthur S	4437 Beacon St., Chicago, Ill	5
RO	Fellows, Charles Fels, Thomas W	2105 John St., Fort Wayne, Ind	
ř	Finehout, Fred	1310 E. New York St., Indianapolis, Ind.	
ĝΙ	Kinlay William I	525 Oakwood Ave., Webster Groves, Mo.	7
ом I	Finlay, William J Finley, Cyrus P	339 3d Ave. W., Cedar Rapids, Iowa	5
s l	Fish, John R.	816 E. 11th St., Indianapolis, Ind	2
en l	Fisher, Ralph	918 S. 7th St., Fargo, N. Dak.	3
ŝ	Fisk, Kenneth	1206 Olive St., Indianapolis, Ind	ľ
ŭ	Flanders, Douglas A	1108 N. Blue Ave., Independence, Mo	7
Ň	Flynn, John H., jr	228 E. 5th St., Newport, Ky	1, 0
ix	Foss, H. Marcus	Hatton, N. Dak	
K	Foster, Edwin J	925 Winchester St., Milwaukee, Wis	7
X	Fostrom, Harry	716 N. Alabama St., Indianapolis, Ind	
X	Fowler, Harry A	9 E. Armour Blvd., Kansas City, Mo	9
X	Fox, John E	56 16th St., Newport, Ky	2
F	Fox, Laurence C	231 Lincoln Ave., Crookston, Minn	6
CK	Fox, Laurence C French, Newell E	1722 Maple St., Racine, Wis	2
DL	Friend, Earle M	4815 Vincennes Ave., Chicago, Ill	2
rg		743 Howard Ave., South Bond, Ind	5

# Amateur Radio Stations—Ninth District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	
			Watt
QX	Galpin, John K	2132 Broadway, Indianapolis, Ind	50
osw l	Gammon, Frank E	811 18th St., Ashland, Ky	99
ONV	Gates, Arthur R	613 Arsenal St., St. Louis, Mo	. 24
ÎN	Gates, Preston L	8 7th St., Moorhead, Minn	98
MK	Giltner, L. Wallace	411 S. Holmes Ave., Indianapolis, Ind	2
NM	Glavin, Roland E	748 Lawndale Ave., South Bend, Ind	
OUF	Goerisch, William	3919 Compton Ave., St. Louis, Mo	
9KB	Goodman, Mark	110 E. Prairie St., Jerseyville, Ill	. 5
OAS	Goodnow, Frank E	310 Van Buren St., Joliet, Ill	. 9
9KG	Gore, Harold	6604 Lewgard Ave., Chicago, Ill	. 4
PS	Gosha, Donald	Blooming Prairie, Minn	
RP	Graf, Rudolph	1061 Mulberry St., Rockford, Ill	. 3
PMQ	Graham, Albert I	3033 Park Ave., Kansas City, Mo	
ES	Graham, Walter N., jr	4842 Maffitt Ave, St. Louis, Mo	
FT	Graves, G. G.	Woodstock, Ill	
oic	Greenleaf, Sydine A	708 Clay St., Woodstock, Ill	4
GT		Hill City Kong	
	Grecian, Everett	Hill City, Kans	
PQ	Greenleaf, Burton B	34 Walnut St., Savanna, Ill	
TQ	Griggs, Fred W	441 Tacoma Ave., Indianapolis, Ind	
AB	Groskopf, William L	4816 W. Berteau Ave., Chicago, Ill	
TU	Gruda, Edgar	329 25th Ave., Milwaukee, Wis	
9PX	Gustafson, C. Hjalmar	630 Wallis Ave., Rockford, Ill	
RM	Guthrie, Edwin P	2352 Bellefontaine St., Indianapolis, Ind.	
OGG	Hagen, Edwin N	2330 Banks Ave., Superior, Wis	
MŸ	Haines, Thorvald L	842 Main St., Racine, Wis	
ĀV	Hamel, Walter H	1006 S. 14th St., Lafayette, Ind	
	Hanes, Fred B	Hamilton Ind	
PPO		Hamilton, Ind	
TJ	Hancock, George T	R. F. D. No. 1, Fairfield, Nebr	١.
E	Hansen, Leland II	1123 Herrick Ave., Racine, Wis	2
9GI	Hanson, Frederick, R. A	477 31st Ave., Milwaukee, Wis	١.
9BX	Hantzsch, Ralph E	1161 Island Ave., Milwaukee, Wis	.  9
PIZ	Harris, Ralph G	Gilman, Ill	4
OLK	Harrison, Major P., jr	118 E. Pratt St., Indianapolis, Ind	1 6
ecj	Harry, Charles	Quincy & Douglas Sts., Houghton, Mich.	
KY	Hartwell, Eugene II	R. F. D. No. 28, Salem, Wis	
HF	Hatch, J. Hadley	216 Kedzie St., Evanston, Ill	7
FL		218 Chestnut St., Newport, Ky	
	Hauck, George		
OCX	Haynes, Roy	6939 S. May St., Chicago, Ill	
DV	Hearne, George M	416 N. Adams St., Carthage, Ill	1,0
FR	Heckenkamp, Emile B.	300 E St., Belleville, Ill	7
DLI	Heiser, Walter C	35 E. 33d St., Indianapolis, Ind	. 3
KL	Helms, Elvin E	Petersburg, Ky	1
RV	Henning, William C	4130 Greenview Ave., Chicago, Ill	1 8
KK	Henricks, George	1410 Barth Ave., Indianapolis, Ind	(
010	Henry, Albert L	Bennington, Kansas	
MU	Hess, Merriman	832 Forest Ave., Wilmette, Ill	3
DĞ		1428 Park Ave., Indianapolis, Ind	1 3
	Hill Frederick A	420 W 72d St Chicago III	1 6
KJ	Hill, Frederick A	428 W. 72d St., Chicago, Ill.	'
BP	Holcombe, Ray E	22 Dayton St., Madison, Wis	
01	Holte, Harold O	220 S. Broadway, Crookston, Minn	1.5
QJ	Hood, Kuper, jr	206 Sterrett Ave., Covington, Ky	1,0
JG	Hood, Norman K	1108 Franklin St., Burlington, Iowa	
QS	Hood, Thomas	1149 N. Meridian St., Indianapolis, Ind	
BZ	Hoople, Frank C	3048 Osgood St., Chicago, Ill	
ĬŴ	Howard, Clyde M	Buffalo, Ill	1 4
ñΣ	Hubbard, Clarence	610 Western Ave., Chicago, Ill	1 '
		418 Toylor St Tonobo Konsoa	1 1
MV	Hughes, James C	418 Taylor St., Topeka, Kansas	1,0
9FF 9MJ	Hughes, Walter J Hussner, Helm C	4100 State St., Chicago, Ill	

# AMATEUR RADIO STATIONS-NINTH DISTRICT-ALPHABETICALLY BY OWNERS OF STATIONS-Continued.

Call signal.	Owner of station.	Location of station.	Power.	
	71.0.01.11		Watts	
9GZ	Ihl, G. Sheridan	3834 N. 25th St., St. Louis, Mo	330	
9DA	Irvin, John A	Cannelton, Ind	13	
9SQ	Iverson, Reginald J	422 S. 16th Ave., Maywood, III	660	
9NY	Ivy, John S	Cape Girardeau, Mo	13	
9EW	Jackson, Arved C	910 N. Girard Ave., Minneapolis, Minn.	3	
9AM	Jackson, William C Jansen, Laurence	701 N. Main St., Hannibal, Mo	80	
9NG	Jansen, Laurence	3031 Lexington St., Chicago, Ill.	330	
9DE 9TK	Jensen, Arnold N Jensen, Louis T	334 High School Ave. Council Bluffs, Iowa.	500 330	
9QR	Jewett, Gerald A	1217 Center St., Racine, Wis	30	
9ÅL	Johnson, Arthur F	2706 Mersington Ave., Kansas City, Mo	33	
9CI	Johnson, August R	Houghton Mich	5	
9RD	Johnson, D. Vernet	Houghton, Mich	556	
90L	Johnson, Enoch	1319 Franklin St., Le Mars, lowa	1,000	
9CG	Johnson, Ralph J	628 Marion Ave., Indianapolis, Ind	27	
9KQ	Jones, Frank S	305 La Salle St., Chicago, Ill.	500	
9BS	Jorgenson, Harold	941 Herrick Ave., Racine, Wis	400	
9KO	Joseph, Jarold S	465 Park Ave., Council Bluffs, Iowa	300	
9DR	Juvenal, James B	538 Ann Ave., Kansas City, Kans. 892 3d Street., Milwaukee, Wis. 928 Wright St., Milwaukee, Wis.	1:	
9PM	Kaiser, Bernard O	892 3d Street., Milwaukee, Wis	10	
9AI	Kaufmann, Elmer	928 Wright St., Milwaukee, Wis	18	
9BD	Kecler, Fayette W	634 W. 4th St., Superior, Wis.	1,000	
9LF	Keenan, Charles J Keeley, William F	6445 Emerald Ave., Chicago, Ill	2	
9EH	Kegley, William F	, 2450 Kenwood Ave., Indianapolis, Ind	1,000	
90F	Kellenberger, Harry S	Riverside, Ill	886	
9JL	Keller, Stanley L	602 W. 25th St., Kearney, Nebr	550	
9HT	Kelso, Charles A	4758 Greer Ave., St. Louis, Mo	550	
9BY	Kennan, Richard C	3170 N. Illinois St., Indianapolis, Ind	250	
9JK	Keough, Otis E	4343 Lindell Blvd., St. Louis, Mo	110	
9HC	Keiney, Iden M	725 6th Ave., Council Bluffs, Iowa 6324 Normal Blvd., Chicago, Ill	27	
9AH	Kihlstrom, Harry C	6324 Normal Blvd., Chicago, Ill	2	
9FA	King, Lawrence	416 W. Michigan St., New Carlisle, Ind.	49	
9AP	Kingsley, Raymond (' Kistner, Joseph	1445 W. State St., Rockford, Ill.	440	
9HG	Kismer, Joseph	222 E. Southgate St., Newport, Ky	48	
9AA 9CM	Klentz, Clarence	3809 Vincennes Ave., Chicago, Ill	500	
9BF	Klicpera, Milhart F	1705 Douglas Ave., Racine, Wis. 2650 Fournoy St., Chicago, Ill.	500	
9RB	Klingenhagen, George F.	Ravenna, Nebr	1,000 220	
orn .	Kluge, Arno A Knouf, Ralph	1344 21st St., Des Moines, Iowa	24	
9UG	Koenig, William, jr	3141 Osage St., St. Louis, Mo	i	
90D	Kohl, William	606 St. Clair Ave., Sheboygan, Wis	16	
98G	Komm, Paul M	1116 Wolfram St., Chicago, Ill.	100	
9PA	Korthals, Albert	1116 Wolfram St., Chicago, Ill	22	
9HO	Kossow, Erwin	760 32d St., Milwaukee, Wis	1:	
9KE	Kranzfelder, Leonard J	Bayfield, Wis	1,00	
9TC	Krause, Charles II	4419 Forest Park Blvd., St. Louis, Mo	49	
9 <b>EJ</b>	Kreis, Érwin	542 35th St., Milwaukee, Wis	3:	
9NI	Krug, Eugene C	2249 St. Louis Ave., St. Louis, Mo	250	
9LQ	Kruse, Schiller	1538 Kentucky St., Lawrence, Kans	55	
9FÜ	La Duke, Earl R	1100 S. Josephine St., Denver, Colo	250	
9KR	Lagodzinski, Harry J	2222 N. Maplewood Ave., Chicago, Ill	_1:	
9PR	Laidlaw, Robert F	5443 Wayne Ave., Chicago, Ill	550	
9JD	Laier, James A	2449 Denver Ave., Kansas City, Mo	88	
9TZ	Lamb, Rea M	119 Milwaukee Ave., Kenosha, Wis	250	
9EU	Landis, Clyde L	3020 S. Bryant Ave., Minneapolis, Minn.	250	
9MO	Lange, Harold T	407 Edgar Rd., Webster Groves, Mo	27	
9PL	Langen, George R	103 N. 13th St., Fargo, N. Dak	1,00	
9KT	La Plant, G. L	St. Anthony, Iowa	99	
9TX 9LN	La Rue, Harold	oss fark ave. w., waterloo, lowa	1	

# AMATEUR RADIO STATIONS—NINTH DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	
			Watt
9LX	Leberman, Palmer K	Upper Falls Rd., Sheboygan, Wis	2
PEC	Lebo, Robert B	1306 Main St., Richmond, Ind	70
OKC	Lee, David R	4026 Clarendon Ave., Chicago, Ill	9:
9MN	Leonard, Frank	827 N. Illinois St., Indianapolis, Ind	
DH	Levi, Simeon C	5342 S. Park Ave., Chicago, Ill	
AO	Lipman, Theodore E. K.	5342 S. Park Ave., Chicago, Ill	1,0
LE	Lisle, Waldo E	6612 Lowe Ave., Chicago, Ill	1 '
TH	Liston Earl.	774 S. Grant St. Denver Colo	5
GK	Liston, EarlLobas, John W	635 31st St. Milwaukee Wis	
QF	Lockwood, Charles E	1323 W. 7th St., Waterloo, Iowa	1,0
MR		1340 27th St., Des Moines, Iowa	7,2
	Lorance, George T	212 G 7th Gt. Forms M Dole	l i
EM	Love, Andrew A., jr	812 S. 7th St., Fargo, N. Dak	9
OUC	Loveless, Harry L	137 Griffin Ave., Somerset, Ky	
SI	Lowe, Meredith B	2347 N. Delaware St., Indianapolis, Ind.	1,1
HS	Ludwig, Fred N	Algona, Iowa	. 2
RN	Maibucher, Fred J	2623 Indianapolis Ave., Indianapolis, Ind.	1
QP	Mann, Harold L	1120 Smith St., Burlington, Iowa	
KA	Markowski, Edward T	1468 N. Ashland Ave., Chicago, Ill	
)FB	Martin, John J	2107 Adams St., Chicago Ill	
LZ	Mason, Francis M., jr	9 N. Chicago St., Rossville, Ill	
OC	Masters, Hardin	4853 Kenwood Ave., Chicago, Ill 2406 Wabash Ave., Kansas City, Mo	
RT	Masters, Raymond	2406 Wabash Ave., Kansas City, Mo	
RE	Mathauser, James J	4809 S. Throop St., Chicago, III	1
IK	Mathews, Ralph H. G	5030 Kenmore Ave., Chicago, Ill 2509 Bellefontaine St., Indianapolis, Ind.	1
KX	Mathias, Russell E	2509 Bellefontaine St., Indianapolis, Ind.	
SP	Maxson, Rolland and	Milton, Wis	1,
λG	Charles S. McArdle, Warren C	10 Taylor Ava Wahster Groves Ma	1
RR	McCall, John A	10 Taylor Ave., Webster Groves, Mo	
		Crystal Lake, Ill	
PRG	McCartney, Hugh S	1045 Hollywood Ave., Chicago, III	
)MD	McClintock, William S., jr.	1257 Topeka Ave., Topeka, Kans	
RJ	McCoy, James B	3026 N. New Jersey St., Indianapolis, Ind.	
AC	McGuffage, William J	4418 Wabash Ave., Chicago, Ill	
ER	McGuffage, William J McLoad, Kenneth	3962-A Blaine Ave., St. Louis, Mo	
FZ	McManus, John C	1001 Morgan St., Keokuk, Iowa	
KS	Mehrhof, Alexander R.	1211 Moree Ave. Chicago III	
LY	Melville, Malcolm L	1211 Morse Ave., Chicago, Ill	
OY		1024 Scott St. Covington Vr.	
	Menninger, Joseph F	1034 Scott St., Covington, Ky	
OIA	Mertins, Oscar A	233 S. Lafayette Ave., Racine, Wis 1109 St. Clair Ave., E. St. Louis, Mo	
QZ	Meyer, Otto Meyer, Walter A	1109 N 12th Ct Chalance W:	
ORS	Meyer, waiter A	1832 N. 13th St., Sheboygan, Wis	
NP	Millard, Thomas	817 S. Central Ave., Burlington, Iowa	
JR	Miller, Harry F Miller, Harry P	1024 E. 14th St., Davenport, Iowa 1920 E. 8th St., Duluth, Minn	
PV	Miller, Harry P	1920 E. 8th St., Duluth, Minn	1
HP	Miller, William S	623 E. 8th St., Kansas City, Mo	-
TN	Mirgeler, Robert J	2815 Clyburn St., Milwaukee, Wis	
$\mathbf{DY}$	Mitchell, Len B	4507 Woodlawn Ave., Chicago, Ill	
$CD_{\lambda}$	Moen, Vere M	661 Grande Ave., St. Paul, Minn	1
MH	Moore, William M	3102 N. Capitol Ave., Indianapolis, Ind	
FW	Moreland, Henry F	1009 Washington Ave., Cairo, Ill	
OMG \	Morgan, Henry C	724 E. 24th St., Indianapolis, Ind	
MW	Morrison, Francis S	1376 S. Lincoln St., Denver, Colo	
TI	Morshead, John S.	Culver, Ind	
ŤΒ	Morshead, John S Morthland, George G	Culver, Ind	
9NK	Moss, Frank K	1021 S. York St., Denver, Colo	1
9GF	Mueller, Carl E	1010 S. Pierce St., Milwaukee, Wis	
9BJ	Munchhof, Leo G	2046 N. New Jersey St., Indianapolis, Ind.	
9EL	Murphy, James P.	Broadland, S. Dak	
للاندن	muipuy, vames 1	DIUMIAHU, D. Dak	

# AMATEUR RADIO STATIONS—NINTH DISTRICT—ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

Call signal.	Owner of station.	Location of station.	
			Watts
90E	Meyers, John W	Canton, Ill	1,00
BB	Nattenheimer, Ervin B.	559 Lexington Ave., Newport, Ky	45
BH		137 Brainerd St., Naperville, Ill	1.00
RQ	Neitz, Paul I	792 N 1ot St. Force N Dole	4
BQ	Nelson, Carl H	723 N. 1st St., Fargo, N. Dak	55
	Nelson, Eddie	751 N. 50 St., rango, N. Dak	
9KI	Neuman, Russell A	1129 S. College St., Springfield, Ill	10
9MT	Neumann, Clarence F	1523 S. Ogden St., Denver, Colo	25
ONF	Neumeister, Carl	902 Michigan Ave., Sheboygan, Mich	33
OTL	Newhall, Elwood L	2181 Madison Ave., Covington, Ky	2
PIP	Nicolay, Adolph W	R. F. D. No. 1, Shattue, Ill	2
OSJ	Nolte, Edward F	4955-A Terry Ave., St. Louis, Mo	50
CA	Norene, Raymond E	2558 Avenue A., Council Bluffs, Iowa	25
RK	Norviel, Herbert D	521 Jackson St., Anderson, Ind	22
QN	Oberholtz, Edwin F	935 W. 33d Ter., Kansas City, Mo	55
řK	Oetjen, Richard J	Williams Bay, Wis	50
DK	O'Neil, Donald H. C	5740 Bartmer Ave., St. Louis, Mo	60
TT		3934 Montrose Ave., Chicago, Ill.	4
JS	Ort, Henry M		22
UB	Osborn, Paul I	Milford, Ill	50
FY	Osting, Raymond Pagett, Harry L	2130 S. New Jersey St., Hidianapons, Ind.	
KF	Pagett, Harry L	1027 Fulton St., Keokuk, Iowa	1
	Pardieck, Victor	320 S. 8th St., Richmond, Ind	49
TA	Parnin, Ross	1239 W. Berry St., Ft. Wayne, Ind	27
DB	Paust, Lawrence R	304 E. North St., Whitewater, Wis 320 Julian St., Waukegan, Ill	1,00
IM	Pearce, Charles H	320 Julian St., Waukegan, Ill	25
PW	Peck, Erle M	North Crystal Lake, Ill	56
OH	Pentland, Robert L	5225 Woodlawn Ave., Chicago, Ill	33
BL	Perine, W. B	1728 Hall Pl., Indianapolis, Ind	1,00
LO	Perkins, Albert	4008 W. Prospect St., Kansas City, Mo	1,00
ſΥ	Perkins, Darlton C	1940 N. Halleck St., Kansas City, Kans	7
NU	Perry, William N	805 Lake Ave., Racine, Wis	25
QO	Potomon Wolten	4607-A Natural Bridge Rd., St. Louis, Mo.	3
HW	Petersen, Walter Peterson, Oscar W	705 W.Bancroft Ave., Fergus Falls, Minn.	1.00
NX	Teterson, Oscar W		3
OZ	Phelps, Clyde W	1032 Benton St., Rockford, Ill	
	Phillips, H. Leroy	1108 5th St., Des Moines, Iowa	2
MM	Pickett, Chester H Piersol, Myron D	223 Maple Ave., Waukesna, Wis	33
EV	Piersol, Myron D	223 Maple Ave., Waukesha, Wis. 4546 N. Seeley Ave., Chicago, Ill. Williams Bay, Wis.	50
CC	Pierson, Martin	Williams Bay, Wis	2
PY	Pierson, Stuart W	214 Maple Ave., Carrollton, Ill	55
LL	Plummer, Evans E	2444 N. Alabama St., Indianapolis, Ind	25
TY	Pope, Franklin R	2444 N. Alabama St., Indianapolis, Ind 675 Greenwood Aye., Glencoe, Ill	55
AD	Porwancher, Samuel	402 N. 61st St., Chicago, Ill	2
HD	Prahl, Louis	463 10th Ave., Milwaukee, Wis	3
FM	Preuss, Arthur C	212 E. 9th St., Newport, Ky	]
JM	Putz Anton E	703 25th St., Milwaukee, Wis	36
OU	Putz, Anton E	935 Trumbull Ave., Chicago, Ill	53
ĞĂ	Racke, Arthur L	31 18th St., Newport, Ky	49
CS	Ragan, Tate V	593 Garfield Ave. Kanese City, Mo.	2
PH		696 W. Mason St. Docetur III	1,00
SB	Ranson, Richard R	626 W. Macon St., Decatur, Ill. 2500 Grand Ave., Des Moines, Iowa. 728 Chestnut St., Grand Forks, N. Dak.	
	Rawson, A. Cummins	2000 Grand Ave., Des Moines, Iowa	44
GC	Read, Harry	728 Unesthut St., Grand Forks, N. Dak	25
FO	Rehm, Ralph E	TIUZ N. 3d St., Kansas City, Kans	10
LA	Reichenecker, Frank N.	549 Everett Ave., Kansas City, Kans	3
FS	Reichenecker, Frank N. Reineke, Earl C	1102 N. 3d St., Kansas City, Kans 549 Everett Ave., Kansas City, Kans 1019 S. 5th Ave., Fargo, N. Dak	1,00
BW	Reinhardt, William Remmers, Elmer	3437 Taylor St., Omaha, Nebr	25
DS	Remmers, Elmer	5031 Vernon Ave., St. Louis, Mo	50
OV	Richardson, David W	5711 Blackstone Ave., Chicago, Ill	33
CH	Riggin Benjamin F	2112 Ammie Ave., Kansas City, Mo.	3
NE	Riggin, Benjamin F Riley, Wilson M	2112 Ammie Ave., Kánsas Citý, Mo 4424 St. John St., Kansas City, Mo 1934 Garfield Ave., Lincoln, Nebr	3
444	ANIACY, WILDUIL MI		

Amateur Radio Stations—Ninth District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	
		100 0 10 0 1	Watts.
9KZ	Roach, John M	436 Surf St., Chicago, Ill	500
9GS	Robbins, Donald T Roberts, Mason C	15 W. 58th St., Kansas City, Mo	24
9ND	Roberts, Mason C	1130 Wisconsin St., Racine, Wis	550
9DD	Rogers, Glen B	3134 Gavioru St., Denver, Colo	1,000
9NO	Romberg, Malcolm	6220 University Ave, Chicago, Ill. 1827 John Ave., Superior, Wis	110
9ST	Roth, John	1827 John Ave Superior Wis	22
9PP	Rowley, Burton	005 Wisconsin St. Rocine Wis	44
		790 Dluff Ct. Forms N. Dol-	77
9QU	Rudd, Rudolph	730 Bluff St., Fargo, N. Dak.	
9MP	Ruffer, Earl P	1819 Lynch Ave., East St. Louis, Mo	44
90S	Rutt, Burnice L	Casey, Iowa	64
9PB	Sager, Arthur	941 Superior St., Appleton, Wis	2
9JC	Salter, John R	HUGAAN WIA	33
9RL	Saltmarsh, Eugene P	1215 Newman St., Indianapolis, Ind 1016 Boone St., Newport, Ky	2
9HU	Saner, Robert J	1016 Boone St. Newport, Kv.	1
9FV	Saunders, P. Bushnell.	700 E. 4th St., Delta, Colo	55
	Schof I Charles in	1410 N Dolowore St. Indianopolia Ind	1,00
9DT	Schaf, J. Charles, ir	1410 N. Delaware St., Indianapolis, Ind 4332 Michigan Ave., Chicago, Ill	
9LG	Scheuer, Edward W	4004 Brichigan Ave., Unicago, III	35
9SE	Schmidt, Otto G	4310 Emmet St., Omaha, Nebr	44
9LM	Schowalter, Elmer R	Mountridge, Kans	25
9SS	Schrage, Charles T	Mountridge, Kans	12
9IR	Schricker, J. Raymond	R. F. D. No. 6, Rockingham, Iowa	. 3
9JZ	Schubert, Clarence K. F.	932 Spaight St., Madison, Wis	
9IJ	Schulte, George	5041 Maple Ave., St. Louis, Mo	1,00
9KW	Scott, M. Vernon	2428 Bellefontaine St., Indianapolis, Ind.	
9DN	Sears, Charles L	1322 Bayward Ave., St. Louis, Mo	
9SU	Seese, Thomas G	4355 N. Ashland Ave., Chicago, Ill	75
9IT	Seese, Thomas G Sels, Hollis K	Toledo, lowa	99
900	Semmelmeyer, Herbert.	Toledo, Iowa. 2629 W. Fairfield Ave., Chicago, Ill.	.  2
9GH	Sever, Harold C	Pleasant Plains, Ill	.  4
9BG	Shepherd, Don I	316 N. West St., St. John, Kans	1,00
9MI	Shiel, Merrill	433 S. Warman Ave., Indianapolis, Ind	1
9EF	Shotwell, Harold H	446 W 61st Pl Chicago III	77
9AJ	Siegel, Robert C	446 W. 61st Pl., Chicago, Ill	44
	Gileer Herry A	1500 C Morr Lorson Ct Indiananalia Tnd	55
9EE	Silcox, Harry A	1526 S. New Jersey St., Indianapolis, Ind.	
9GJ	Simpson, Virgil S	1380 Union Ave., St. Louis, Mo.	55
9AQ	Skrainka, R. Nicholas,	4235 Lindell Blvd., St. Louis, Mo	. 22
9AQ	and Walter.	M	
9IX	Smith, Henry M	4454 Monroe St., Chicago, Ill	.  9
9GE	Smith, Hubert A	301 W. Illinois St., Urbana, Ill	. 1,00
9MA	Smith, Lester M	Salem, Wis	1
9BA	Smith, Lester M Smith, Paul C	Mulberry, Ind	
9BR	Smith, Raymond J	Mulberry, Ind	2
9FX	Smith, Wilson	219 Rome Ave., Rockford, Ill	4
	Charles Words 11 Dr	2407 Forget Ave. Des Meines Town	40
9IH	Snyder, Wendell H	3407 Forest Ave., Des Moines, Iowa	1 40
9 <b>J</b> I	Sommer, James M	2338 Talbott Ave., Indianapolis, Ind	. 26
9EI	Spaniol, John T	1324 Harrison St., Superior, Wis	.   2
9OT	Speicher, John B Spencer, Earle W	4155 Grand Blvd., Chicago, Ill	. 2
9QQ	Spencer, Earle W	600 Wingfield St., Anoka, Minn	. 55
9PŬ	Spicer, Verne T	1120 2d St., Perry, Iowa	1,00
90G	Springer, Charles W	9757 Longwood Drive, Chicago, Ill	33
9GM	Sproehnle, John R	5809 Blackstone Ave., Chicago, Ill	2
		1205 Main St. La Mara Tarro	1 2
9PE	Stang, Ray E	1305 Main St., Le Mars, Iowa	. 1
9IB	Stanley, Charles A	3016 E 2d St., Wichita, Kans	.   88
9MF	Stauber, Anthony W	421 Wisconsin Ave., Sheboygan, Wis	
9HK	St. Cyr, Albert	319 Harrison St., Marquette, Mich	. 50
9SX	Steinberg, Alfred F	933 35th St., Milwaukee, Wis	
9CP	Stelloh Henry	495 12th Ave., Milwaukee, Wis.	
9RY	Stephens, Harold R	495 12th Ave., Milwaukee, Wis	93
9AT	Stetson, Donald T	2162 Carrol Ave., St. Paul, Minn.	40
		VALIUL ALVE., DV. LAUI, MIIIII	. 71

# Amateur Radio Stations—Ninth District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	
			Watts.
90X	Stevers, Harold D	6804 Hurlbut Ave., Chicago, Ill	456
9RZ	Stone, Francis E	801 Harrison St., Topeka, Kans	1,000
9LH	Stone, J. McW	5129 Harper Ave., Chicago, Ill	600
9LP	Stover, Peter A	Marengo, Iowa	900
9EA	Stribley, Orris J	511 S. 4th St., Moorehead, Minn	220
9TV	Summers, Cheesman M	R. F. D. No. 6, Kokomo, Ind	30
9SL	Sutcliffe, Ewart L	308 Kearsarge St., Laurium, Mich	150
9DQ	Sutherland, Kenneth L. Swaisgood, Paul B	1411 Harrison St., Topeka, Kans	275
9IV	Swaisgood, Paul B	602 N. Rurai St., Indianapolis, Ind	990
9KV	Swanger, Bertan R	413 S. Martha St., Angola, Ind	660
9ID 9PZ	Swanson, Carl S	450 Foods Asso. Pollogue 77:	24
9FP	Tallentire, Thomas	458 Foote Ave., Bellevue, Ky	440
9HJ	Tawkes, Chas. E	503 Hill St., Dubuque, Iowa	85 500
9IE	Taylor, Forrest	Monroeville, Ind	
90N (	Taynton, Mark Teller, Kedzie	Piverside III	20 605
9QV	Thacher, Safford D	Riverside, Ill	120
9ŘU	Thomas, Herschel	310 Polk St., Topeka, Kans	45
9QI	Thomas, Rex	1248 Reisner St., Indianapolis, Ind	250
9ČV	Thorne, Robert S	7400 Harvard Ave., Chicago, Ill	230
9BM	Throop, Fred I	Gilman, Ill.	440
9TS	Tinling, Ted R. G	6042 Kenwood Ave., Chicago, Ill	150
9EB	Tomann, Orville R	R. F. D. No. 1, Ellsworth, Wis	24
9IU	Tronske, Anthony	4675 Louisiana St., St. Louis, Mo	495
9JW	Trump, Robert K	1254 Van Buren St., Topeka, Kans	385
9QK	Tuckerman, Gustavus, jr.	5821 Pennsylvania Ave., St. Louis, Mo	36
9TR	Turner, Orville H. and	4534 McMillan Ave., St. Louis, Mo	300
9EY	Joseph T. Urquhart, David G	110 S. Irving Ave., Chicago, Ill	32
9SM	Van Hook, Valens	127 Clay St., Topeka, Kans.	36
9BV	Van Hook, Valens Van Slyck, Wellington	127 Clay St., Topeka, Kans	125
9QY	Vehling, Robert	622 N. Rural St., Indianapolis, Ind	250
9GR	Vehling, Robert Wanner, Theodore L	803 S. 7th St., Fargo, N. Dak	1,000
9JT	warner, Kenneth B	402 Washington Ave., Cairo, Ill	440
9DI	Watkins, Chester E	110 Central Ave., Ashland, Ky	1,000
9CU	Watkins, Chester E Watkins, Edwin S	402 Washington Ave., Cairo, Ill	990
9JA	watson, Noble B	529 Warren Ave., Indianapolis, Ind	250
9DO	Weber, Anthony L	1302 Winona Avé., Chicago, Ilí	18
9IG	Weber, George	4123 Shenandoah Ave., St. Louis, Mo	880
9CB	Weiss, Clarence	644 Greenfield Ave., Milwaukee, Wis	56
9SK	Weitz, Rudolph W West, Kenneth A	303 W. 42d St., Des Moines, lows	660
9MC	West, Kenneth A	327 Huron Ave., Sheboygan, Wis 89 13th St., North Chicago, Ill	250
9CT	Wember, Anthony J	89 13th St., North Chicago, III	275
9CQ	Weyant, James E	Shortridge High School, Indianapolis, Ind	350
9QC 9LB	Wheeler, Ted R	1729 Quindaro Blvd., Kansas City, Kans.	550
9CL	Whiteless Hereld P	1040 N. Leclaire Ave., Chicago, III 1004 10th St., Racine, Wis	220
NH	Whitaker, Harold P	1509 Joshan St. Signer City, To-	50
9AY	White, H. S. M	1523 Jackson St., Sioux City, Iowa	936 24
9GQ .	Whitmer, Albert G Wiggin, Parker E	452 W. 60th St., Chicago, Ill.	440
9UÅ	Wigton, Theron W	737 Waverly Ave., Kansas City, Kans 27 N. Anderson St., Aurora, Ill	150
9KH	Wilcox, Leo B	415 W. Park Ave., Angola, Ind	660
9ME	Williams, Archie J	1036 Huntington Ave., Covington, Ky	45
9PN	Williams, Harry B	515 S. Central St., Chanute, Kans.	500
98Y	Williams, Morton B.	2419 S. Calhoun St., Ft. Wayne, Ind	978
9RA	Williams, Norman B	115-117 N. Vermillion St., Streator, Ill	100
90K	Williams, Warren	1210 S. High St., Denver, Colo	250
9NZ	Williams, Norman B Williams, Warren Willing, William P	610 N. Grove Ave., Oak Park, Ill	990
9FG	Wilson, Gilbert M	718 S. 10th St., La Fayette, Ind	495
9EP 1	Wilson, Guy E	3922 Flora Ave., Kansas City, Mo	40

## 164 BUREAU OF NAVIGATION, DEPARTMENT OF COMMERCE.

# Amateur Radio Stations—Ninth District—Alphabetically by Owners of Stations—Continued.

Call signal.	Owner of station.	Location of station.	Power.
ann l	What are Don H	CAO Do Well Asse Greeness III	Watts.
9NR	Winchester, Roy H	840 De Kalb Ave., Sycamore, Ill	990
9TP	Witcraft, Wilbur	1941 Thompson Ave., Kansas City, Kans.	
9MX .	Withington, Charles H	1327 9th Ave., Greeley, Colo	1,000
9AR	Woodruff, Ralph T	737 N. 13th St., East St. Louis, Mo	440
9HA	Woods, William E	4536-A Laclede Ave., St. Louis, Mo	500
9NB	Woolley, Francis L	6222 Greenfield Ave., West Allis, Wis	920
9NC	Woolley, Francis L	69 Park Ave., Glencoe, Ill	900
9CY	Wooster, Stanley W	5531 Lowe Ave., Chicago, Ill	890
9JV	Wright, Kenneth W	418 W. 8th St., Fort Scott, Kans	9:
9QM	Wunderlich, Clarence C.	213 3d St., Cairo, Ill	220
9NL	Wunderlich, Norman	Sedgewick and Division Sts., Chicago, Ill.	500
9FJ	Wyckoff, Ralph R	167 Diamond St., Houghton, Mich	2
9HB	Youker, J. Clayton	Lake Bluff, Ill	2
9QE	Yount, Floyd H	3412 Coleman Rd., Kansas City, Mo	550
9JX	Zeman, Anton	3000 S. Harding Ave., Chicago, Ill	30
9DM	Ziesenis, Harry	700 Mississippi St., Lawrence, Kans	990

## ALPHABETICALLY BY CALL SIGNALS.

Call signal.	Owner of station.	Call signal.	Owner of station.
9AA	Klentz, Clarence.	9BK	Clemons, G. H.
9AB	Groskopf, William L.	9BL	Perine, W. B.
9AC	McGuffage, William J.	9BM	Throop, Fred I.
9AD	Porwancher, Samuel.	9BN	Flynn, John H., jr.
9AE	Crouch, Haley C.	9BO	Fry, Claud.
9AF	Cole, Walten E., jr.	9BP	Holcombe, Ray E.
9AG	McArdle, Warren C.	9BQ	Nelson, Eddie.
9AH	Kihlstrom, Harry C.	9BŘ	Smith, Raymond J.
9AI	Kaufmann, Elmer.	9BS	Jorgenson, Harold.
9AJ	Siegel, Robert C.	9BT	Duquette, Herbert E.
9AK	Andresen, E. Norman.	9BÛ	Brown, Clarence L.
9AL	Johnson, Arthur F.	9BV	Van Slyck, Wellington.
9AM	Jackson, William C.	9BW	Reinhardt, William.
9AN	Cole, Jirah D., jr.	9BX	Hantzsch, Ralph E.
9AO	Lipman, Theodore E. K.	9BY	Kennan, Richard C.
9AP	Kingsley, Raymond C.	9BZ	Hoople, Frank C.
9AQ	Skrainka, R. Nicholas, and		o.
	Walter.	9CA	Norene, Raymond E.
9AR	Woodruff, Ralph T.	9CB	Weiss, Clarence.
9AS	Goodnow, Frank E.	9CC	Pierson, Martin.
9AT	Stetson, Donald T.	9CD	Moen, Vere M.
9AU	Flanders, Douglass A.	9CE	Hansen, Leland H.
9AV	Hamel, Walter H.	9CF	Coffman, Scott.
9AX	Fowler, Harry A.	9CG	Johnson, Ralph J.
9AY	Whitmer, Albert G.	9CH	Riggin, Benjamin F.
9AZ	Davidson, James G.	9CI	Johnson, August R.
	,	9CJ	Harry, Charles.
9BA	Smith, Paul C.	9CK	Abel, Wilson L.
9BB	Nattenheimer, Ervin B.	9CL	Whitaker, Harold P.
9BC	Dunlap, Carroll M.	9CM	Klicpera, Milhart F.
9BD	Kecler, Fayette W.	9CN	Cobb, Merle.
9BE	Myers, Delbert.	9CO	Bautz, Russell.
9BF	Klingenhagen, George F.	9CP	Stelloh, Henry.
9BG	Shepherd, Don I.	9CQ	Weyant, James E.
9BH	Neitz, Paul I.	9CR	Buehner, Howard.
9BI	Craig, Richard A.	9CS	Ragan, Tate V.
9BJ	Munchhof, Leo G.	9CT	Wember, Anthony J.

AMATEUR RADIO STATIONS—NINTH DISTRICT—ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
9CU	Watkins, Edwin S.	9FB	Martin, John J.
9CV	Thorne, Robert S.	9FC	Anders, Harry R.
9CW	Egloff, Martin F.	9FE	Dunklan, George.
9CX		9FF	Hughes Welter I
9CY	Haynes, Roy.		Hughes, Walter J.
901	Wooster, Stanley W.	9FG	Wilson, Gilbert M.
4.00	T	9FH	Dahm, Henry L.
9DA	Irvin, John A.	9FI	Chaudet, William J. Wyckoff, Ralph R.
9DB	Paust, Lawrence R.	9FJ	wyckon, Raiph R.
9DC	Fahrney, Clarence H. Rogers, Glen B.	9FK	Oetjen, Richard J.
9DD	Rogers, Glen B.	9FL	Hauck, George.
9DE	Jensen, Arnold N.	9FM	Preuss, Arthur C.
9DF	Dutton, Laurence E.	9FN	Abraham, Walter H.
9DG	Hilgenberg, Noble C.	9FO	Rehm, Ralph E.
9D <b>H</b>	Levi, Simeon C.	8FP	Tawkes, Chas. E.
9DI	Watkins, Chester E. Beasley, William A. O'Neil, Donald H. C.	9FR	Heckenkamp, Emile B.
9DJ	Beasley, William A.	8FS	Reineke, Earl C.
9DK	O'Neil, Donald H. C.	9FT	Graves, G. G.
9DL	Friend, Earle M.	9FŪ	La Duke, Earl R.
9DM	Ziesenis, Harry.	9FV	Saunders, P. Bushnell.
9DN	Sears, Charles L	9FW	Moreland, Henry F.
9DÔ		9FX	
9DP	Weber, Anthony L. Clark, Bayard H.	9FY	Smith, Wilson.
	Cuthouland Wonnoth T	9FZ	Pagett, Harry L.
9DQ	Sutherland, Kenneth L.	914	McManus, John C.
9DR	Juvenal, James B.	004	Dayles Andhen I
9DS	Remmers, Elmer.	∥ 9GA	Racke, Arthur L.
9DT	Schaf, J. Charles, jr.	9GB	Boess, Murray R.
9DU	Elliott, Byron K.	9GC	Read, Harry.
9 <u>DV</u>	Hearne, George M.	9GE	Smith, Hubert A.
9DW	Barrett, Arthur C.	9GF	Mueller, Carl E.
9DX	Fostrom, Harry.	9GG	Hagen, Edwin N.
9DY	Mitchell, Len B.	∥ 9GH	Sever, Harold C.
9DZ	Barton, Harold.	9GI	Hanson, Frederick R. A.
		9GJ	Simpson, Virgil S.
9EA	Stribley, Orris J.	∥ 9G K	Lobas, John W.
9EB	Tomann, Orville R.	9GM	Sproehnle, John R.
9EC	Lebo, Robert B.	9GN	Curtis, Charles D.
9ED	Burgess, Charles M.	9GP	Denny, L. Erle.
9EE	Silcox, Harry A.	9GQ	Wiggin, Parker E.
9EF	Shotwell, Harold H.	9GŘ	Wanner, Theodore L.
9EG	Dean, Carl W.	9G8	Robbins, Donald T.
9EH	Kegley, William F.	9GT	Grecian, Everett.
9EI	Spaniol, John T.	9GŪ	Clayton, Homer E.
9EJ	Kreis, Erwin.	∥ 9GV	Coles, James A.
9EK	French, Newell E.	9ĞW	Arnold, Ercil.
9EL	Murphy, James P.	9GX	Fox, John E.
9EM	Love, Andrew A., jr.	9GZ	Ihl, G. Sheridan.
9EN	Fisher, Ralph.	8GZ	Im, G. Bilendan.
9EO		9HA	Woods William F
9EP	Rivett, Ralph.		Woods, William E.
9EQ	Wilson, Guy E.	9HB	Youker, J. Clayton.
	Cruikshank, Charles A., jr.	9HC	Kerney, Iden M.
9ER	McLoad, Kenneth.	9HD	Prahl, Louis.
9ES	Graham, Walter N., jr.	9HE	Bergvall, RoyalC.and Wesley E
9ET	Conzelman, J. Wilson.	9HF	Hatch, J. Hadley.
9EU	Landis, Clyde L.	9HG	Kistner, Joseph.
9EV	Piersol, Myron D.	9HH	Bohac, Leonard.
9EW	Jackson, Arved C.	9HI	Burchnell, George M.
9EX	Adolfson, George S.	9HJ	Taylor, Forrest.
9EY	Urquhart, David G.	9HK	St. Cyr, Albert.
9EZ	Davis, Richard M.	9HL	Crawford, Robert.
		9HM	Davis, Donald W.
9FA			

# Amateur Radio Stations—Ninth District—Alphabetically by Call Signals—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
9НО	Kossow, Erwin.	9JZ	Schubert, Clarence K. F.
9HP	Miller, William S.		
9HR	Baulch, Ernest L.	9KA	Markowski, Edward T.
9HS	Ludwig, Fred N.	9KB	Goodman, Mark.
9HT	Kelso, Charles A.	9KC	Lee, David R.
9HÛ	Saner, Robert J.	9KD	Carll, W. Curtis.
9HW	Potomon Occar W	9KE	
	Peterson, Oscar W.		Kranzfelder, Leonard J.
9HX	Foss, H. Marcus.	9KF	Pardick, Victor.
9HY	Erwood, John, jr.	9KG	Gore, Harold.
9HZ	Hubbard, Clarence.	9KH	Wilcox, Leo B.
_		9 <u>KI</u>	Neuman, Russell A.
9IA	Mertins, Oscar A.	9KJ	Hill, Frederick A.
9IB	Stanley, Charles A.	9KK	Hendricks, George.
9IC	Greanleaf, Sydine A.	9KL	Helms, Elvin E.
9ID	Swanson, Carl S.	9KM	Anderson, Oscar L.
9IE	Taynton, Mark.	9KN	Burg, Harold E.
9IF		9KO	
	Cole, Jirah D., jr.		Joseph, Jarold S.
9IG	Weber, George.	9KP	Conner, Claud H.
9IH	Snyder, Wendell H.	9KQ	Jones, Frank S.
9II	Eichenberger, Walter.	9KR	Lagodzinski, Harry J.
9IJ	Schulte, George.	9KS	Mehrhof, Alexander R.
9IK	Mathews, Ralph H. G.	9KT	La Plant, G. L.
9IL	Mathews, Ralph H. G. Batcher, Ralph. Pearce, Charles H.	9KU	Burgy, Charles A., jr.
9IM	Pearce, Charles H.	9KV	Swanger, Bertan R.
9IN	Gates, Preston L.	9KW	Scott, M. Vernon.
ole	Henry, Albert L.	9KX	Mathias, Russell E.
9IP		9KY	Hartwell, Eugene H.
	Nicolay, Adolph W.		
9IQ	Call, George R.	9KZ	Roach, John M.
9IR	Schricker, J. Raymond.	07.4	D 1 1 D 1 1
9 <u>18</u>	Fish, John R.	9LA	Reichenecker, Frank N.
9IT	Sels, Hollis K.	9LB	Whipple, Arthur F.
91U	Tronske, Anthony.	9LC	Casey, John G.
91V	Swaisgood, Paul B.	9LD	Brinkerhoff, George H., jr.
9IW	Brown Ellswo	9LE	Lisle, Waldo E.
9IX	Smith, Henry M.	9LF	Keenan, Charles J.
9IY	Perkins, Darlton C.	9LG	Scheuer, Edward W.
9ĪŽ	Harris, Ralph G.	9LH	Stone, J. McW.
12	maris, marpir G.	9LI	Heiser, Walter C.
OT A	Water Mahla D		Parler Clarence
9JA	Watson, Noble B.	9LJ	Becker, Clarence.
9JB	Erikson, Eben W.	9LK	Harrison, Major P., jr.
9 <u>JC</u>	Salter, John R.	9LL	Plummer, Evans E.
9JD	Laier, James A.	9LM	Schowalter, Elmer R.
9JE	Baumer, Harry W.	9LN	Laughlin, Dale.
9JG	Hood, Norman R.	9LO	Perkins, Albert. Stover, Peter A.
9 <b>JH</b>	White, H. S. M.	9LP	Stover, Peter A.
9JI	Sommer, James M.	9LQ	Kruse Schiller
9 <b>J</b> J	Dyson, L. E.	9LŘ	Kruse, Schiller. Carroll, William H.
9JK		9LS	Fisk, Kenneth.
	Keough, Otis E.		
9JL	Keller, Stanley L.	9LU	Knouf, Ralph.
9JM	Putz, Anton E.	9LV	Ehling, Fritz.
9JN	Chubb, Jake H.	9LW	Howard, Clyde M.
9JO	Bolen, John C., jr.	9IX	Leberman, Palmer K.
9JQ	Bolen, John C., jr. Finlay, William J. Miller, Harry F.	9LY	Melville, Malcolm L.
9JŘ	Miller, Harry F.	9LZ	Mason, Francis M., jr.
9JS	Osborn, Paul I.		<b>,, ,-</b> -
9JT	Warner, Kenneth B.	9MA	Smith, Lester M.
iv		9MB	Andreas, Gerald T.
9 <b>J</b> V	Dietterich, Frank E.	11 :	West Vennet
	Wright, Kenneth W.	9MC	West, Kenneth A.
9JW	Trump, Robert K.	9MD	McClintock, William S., jr.
9JX	Zeman, Anton. Black, Max I.	9ME	Williams, Archie J.
9JY	HIRCK, MAY I.	∥ 9MF	Stauber, Anthony W.

Amateur Radio Stations—Ninth District—Alphabetically by Call Signals—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.
9MG .	Morgan, Henry C.	9ON	Teller, Kedzie.
MH ·	Morgan, Henry C. Moore, William M.	900	Semmelmeyer, Herbert.
MI	Shiel, Merrill.	90P	Born, John F. F.
MJ	Husman Halm C		Coultas, Charles.
	Hussner, Helm C. Giltner, L. Wallace.	90Q	Fling Downerd W
MK		90R	Eling, Raymond W.
ML	Eick, Ferdinand.	908	Rutt, Burnice L.
MM	Pickett, Chester II.	9OT	Speicher, John B.
MN	Leonard, Frank.	9OU	Pye, Harold.
MO	Lange, Harold T.	90V	Richardson, David W.
MP	Ruffer, Earl P.	9OW	Del-Vecchio, Earl.
MQ	Graham, Albert I.	∥ 9OX	Stevers, Harold D.
MR	Lorance, George T.	∥ 9OY	Menninger, Joseph F.
MS	Dier, Stephen.	9OZ	Phillips, H. Leroy.
MT	Neumann, Clarence F.		
ΜŪ	Hees, Merriman.	9PA	Korthals, Albert.
ΜV	Hughes, James C.	9PB	Sager, Arthur.
MW		9PC	
	Morrison, Francis S.		Carter, George W.
XX.	Withington, Charles H.	9PD 9PE	Caseaday, Cecil E.
MY	Haines, Thorvald L.		Stang, Ray E.
MZ	Evans, Walter C.	9PF	Bolin, Ray E.
	a	9PG	Bergherm, Worth D.
NA	Cleaveland, Leroy A.	9PH	Ranson, Richard R.
NB	Woolley, Francis L.	9PI	Finehout, Fred.
ONC	Woolley, Francis L.	9PJ	Clark, Robert J.
ND	Roberts, Mason C.	∥ 9PK	Foster, Edwin
NE	Riley, Wilson M.	9PL	Langen, George R.
9NF	Neumeister, Carl.	9PM	Kaiser, Bernard O.
9NG	Jansen, Laurence.	9PN	Williame, Harry B.
9NH	Abercrombie, Julius B.	9PO	Hanes, Fred B.
9NI	Krug, Eugene C.	9PP	Rowley, Burton.
9NJ	Brabender, Carl W.	9PQ	Greenleaf, Burton B.
NK		9PŘ	Laidlaw, Robert F.
	Moss, Frank K.		Gosha, Donald.
9NL	Wunderlich, Norman.	9PS	Corner Flaurment
MM	Glavin, Roland E.	9PT	Corey, Flournoy.
NN	Deal, Harmon B.	9PU	Spicer, Verne T. Miller, Harry P.
ONO	Romberg, Malcolm.	9PV	Miller, Harry P.
NP	Millard, Thomas.	9PW	Peck, Earle M.
9NQ	Faber, Peter, jr.	9PX	Gustafson, C. Hjalmar.
ONR	Winchester, Roy H.	∥ 9PY	Pierson, Stuart W.
ens	Stevens, Eugene.	9PZ	Tallentire, Thomas.
PNT	Chapman, Richard C.		
NU	Perry, William N.	9QA	Huttig, Charles M.
9NV	Gates, Arthur R.	∥ 9QB	Cannon, Charles B.
NW	Caldwell, Kenneth R.	9QC	Wheeler, Ted R. Albach, Henry, jr.
9NX	Phelps, Clyde W.	9QD	Albach Henry ir
NY	Ivy, John S.	9QE	Yount, Floyd H.
9NZ		9QF	Lockwood, Charles E.
911 Z	Willing, William P.		Davis T Harles E.
	D T	9QG	Davis, T. Harley.
OA OB	Dilley, Joseph	9QI	Thomas, Rex.
OB	Church, Archibald, ir.	9QJ	Hood, Kuper, jr.
90C	Masters, Hardin.	9QK	Tuckerman, Gustavus, jr.
90D	Kohl, William.	9QL	Baldwin, John G.
90E	Myers, John W.	9QM	Wunderlich, Clarence C.
90F	Kellenberger, Harry S.	9QN	Oberholtz, Edwin F.
90G	Springer, Charles W.	∥ 9QO	Petersen, Walter.
90H	Pentland, Robert L.	9QP	Mann, Harold L.
90Î	Holte, Harold O.	9QQ	Spencer, Earle W
9ÔĴ	Barry, Daniel.	9QR	Jewett, Gerald A.
90K	Williams Warren	908	Jewett, Gerald A. Hood, Thomas.
90L	Williams, Warren. Johnson, Enoch.	9QT	Beighley, Emmet R.
90M	Finley Come D		
O CAME	Finley, Cyrus P.	∥ 9QU	Rudd, Rudolph.

Amateur Radio Stations—Ninth District—Alphabetically by Call Signals—Continued.

Callsignal.	Owner of station.	Call signal.	Owner of station.
9QV	Thatcher, Safford D.	980	Day, Harold E.
9QW	Carnes, Theodore L.	9SP	Maxson, Rolland and Charles S.
9QX	Galpin, John K.	9SQ	Iverson, Reginald J.
9QŶ	Vehling, Robert.	988	Schrage, Charles T.
9QŽ	Meyer, Otto.	9ST	Roth, John.
3 Q Z	Meyer, Otto.	98Û	Seese, Thomas G.
9RA	Williams, Norman B.	98V	Fay, Arthur S.
		98W	
9RB	Kluge, Arno A.	98X	Gammon, Frank E.
9RC	Bohnstengel, George.	95A	Steinberg, Alfred F. Williams, Morton B.
9RD	Johnson, D. Vernet.	9SY	WILLIAMS, MORTON B.
9RE	Mathauser, James J.	9SZ	Bonney, Harold H.
9RF	Beil, Richard M.		
9RG	McCartney, Hugh S.	9TA	Parnin, Ross.
9RH	Debus, George W.	9TB	Morthland, George G.
9RI	Albrecht, Harry L.	9TC	Krause, Charles H.
9RJ	McCoy, James B.	9TD	Eisele, Edward J.
9RK	Norviel, Herbert D.	9TE	Cronk, Seymour H.
9RL	Saltmarsh, Eugene P.	9TF	Fox, Laurence C.
9RM	Guthrie, Édwin P.	9TG	Fruit, Lester.
9RN	Maibucher, Fred J.	9TH	Liston, Earl.
9RO	Fellows, Charles.	9TI	Morshead, John S.
9RP	Graf, Rudolph.	9TJ	Hancock, George T.
9RQ	Nelson, Carl H.	9TK	Jensen, Louis T.
9ŘŘ	McCall, John A.	9TL	Newhall, Elwood L.
9RS	Meyer, Walter A.	9TM	Bonson, George W.
9RT	Masters, Raymond.	9TN	Mirgeler, Robert J.
9RŪ	Thomas, Herschel.	9TO	Cyr, Darrell J.
9RV	Henning William C	9TP	Witcraft, Wilbur.
9RW	Henning, William C. Burhop, Harold.	9TQ	Griggs, Fred W.
9RX	Cummings, Murney.	9TŘ	Turner, Orville H. and Joseph'
9RY	Stephens, Harold R.	978	Tinling, Ted R. G.
9RZ		9TT	
avr	Stone, Francis E.	9TU	Ort, Henry M.
004	Duamen Tarank D		Gruda, Edgar.
9SA	Brennan, Joseph D.	9TV	Summers, Chessman M.
9SB	Rawson, A. Cummins.	9TW	Anderson, Axel V.
9SC	Cooper, Charles H.	9TX	La Rue, Harold.
9SD	Broughton, William G.	9TY	Pope, Franklin R.
9SE	Schmidt, Otto G.	9TZ	Lamb, Rea M.
9SF	Daugherty, Hugh D.		
9SG	Komm, Paul M.	9UA	Wigton, Theron W.
9SH	Burdick, Roy E.	9UB	Osting, Raymond.
9SI	Lowe, Meredith B.	9UC	Loveless, Harry L.
9SJ	Nolte, Edward F.	9UD	Diehl, Grant, ir.
9SK	Weitz, Rudolph W.	9UE	Fels, Thomas W.
9ŠL	Sutcliffe, Ewart L.	9UF	Goerisch, William.
9SM	Van Hook, Valens.	9UG	Koenig, William, jr.
9SN	Anderson, Virgil.		, , , , , , , , , , , , , , , , , , , ,

## APPENDIX.

## TRANSMISSION OF TIME SIGNALS 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° 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 Arlington, Key West, and New Orleans. Signals from Arlington and Key West, which reach a zone formerly served by other coast stations, 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 time, and ending at noon.

In case of failure of the Arlington high-power station, the signals are sent out by the small set in the same station, and the stations at Boston, New York, Newport, 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 Mare Island, Eureka, Point Arguello, and San Diego, Cal., and at North Head, Wash. The controlling clock for each station is in the naval observatory at the Mare Island Navy Yard. Signals from Mare Island 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.

To get the maximum clearness of signals, the receiving circuit should be tuned to that of the sending station. Arlington and Mare Island send on a 2500-meter wave length, North Head and San Diego on a 2000-meter wave length, Eureka on a 1400-meter wave length, Key West and New Orleans on a 1000-meter wave length, and Point Arguello on a 750-meter wave length. On the completion of the new radio station at the training station, Great Lakes, time signals will be transmitted from that station for the benefit of shipping on the Great Lakes, as well as the weather reports for that region, now transmitted by Arlington after the Atlantic coast weather bulletin, following the 10 p. m. time signals.

# 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 Arlington, Va., 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 off shore, 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 navel radio station at Arlington, Va., 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.
1 Light air		6. 9
2 Light breeze		11. 3
3 Gentle breeze		15. (
4 Moderate breeze		20.
5 Fresh breeze	28	24.
6 Strong breeze		29.
7 Moderate gale		34.
8 Fresh gale		41.
9 Strong gale	56	48.
10 Whole gale	65	56.
11 Storm		65.
	1/ 00	78.
12 Hurricane	and over.	and over

## 172 BUREAU OF NAVIGATION, DEPARTMENT OF COMMERCE.

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.

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

#### Translation.

United States Weather Bureau.

		Wind.	
Station.	Pressure.	Direction.	Force.
Sydney	29. 64	sw	
Nantucket	29. 16	W	
Delaware Breakwater		NW	
Hatteras		NW	
Charleston	30. 12	N	
Key West	30. 26	NE	
Pensacola	30. 36	N	
Bermuda	30, 00	sw	

¹ See Beaufort scale.

# USWB Du 95826 M 97635 U 00443 G 96046 Ch 95667 L 00644 D 00842 V 01054 F 01656

## Translation.

#### United States Weather Bureau.

		Wind.	
Station.	Pressure.	Direction.	Force.1
Duluth	29. 58	NE	
Marquette	29. 76	E	
Sault Ste. Marie	30. 04	SE	
Green Bay	29. 60	SE	
Chicago	29. 56	sw	
Alpena	30.06	SE	
Detroit	30, 08	l SE I	:
Cleveland		S	
Buffalo	30. 16	S	

¹ See Beaufort scale.

# 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	
$\overset{\text{B}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}{\overset{\text{C}}}{\overset{\text{C}}{\overset{\text{C}}{\overset{C}}{\overset{\text{C}}{\overset{\text{C}}}{\overset{\text{C}}{\overset{\text{C}}}{\overset{\text{C}}{\overset{\text{C}}}{\overset{\text{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{$	Semicolon	
E - · ·	Comma	
G = G	Colon	
Н	Interrogation	
J	Exclamation point	
L	Apostrophe	
N	Hyphen	
P	Bar indicating fraction	
Ř		
<u>r</u> _	Parenthesis	
V	Inverted commas	
W	Underline	
Y _ · ·	Double dash	••-
	Distress Call	
Ä (German)	Attention call to precede every transmission	-:-
A or A (Spanish-Scandinavian)	General inquiry call	-,
	From (de)	• •
CH (German-Spanish)	Invitation to transmit (go ahead)	
É (French)	Warning—high power	<u>-</u>
Ñ (Spanish)	Question (please repeat after	
	)—interrupting long messages	
Ö (German)	Wait	
Ü (German)	Break (Bk.) (double dash)	
	Understand	
1	Error	
2	Received (O. K.)	
4	Position report (to precede all position messages)	
6	End of each message (cross)	
7	Transmission finished (end of	7
9	work) (conclusion of correspondence)	

## LIST OF ABBREVIATIONS TO BE USED IN RADIO COM-MUNICATION.¹

Abbreviation.	Question	Answer or notice.
c Q		Signal of inquiry made by a station desiring to communicate.
тR		Signal announcing the sending of par- ticulars 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.	I am receiving badly. Please send 20.
	for adjustment?	for adjustment.
QRM	Are you being interfered with?	I am being interfered with.
QRN	Are the atmospherics strong?	Atmospherics are very strong.
QRO	Shall I increase power?	Increase power.
QRP	Shall I decrease power?	Decrease power.
QRQ	Shall I send faster?	Send faster.
QRS	Shall I send slower?	Send slower.
QRT	Shall I stop sending?	Stop sending.
QRU	Have you anything for me?	I have nothing for you.
QRV	Are you ready?	I am ready. All right now.
QRW	Are you busy?	I am busy (or, I am busy with

¹ 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.
ORY	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.
1 4	Is my spark bad?	The spark is bad.
QSC	Is my spacing bad?	
QSD	What is your time?	My time is
QSF	Is transmission to be in alternate order or in series?	Transmission will be in alternate order.
QSG	0.40.0.0.4	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.
OSM	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	I am in communication with
	ship or station (or: 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.
Q\$V 1	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	Let us change to the wave length of
QSZ		Send each word twice. I have diffi- culty in receiving you.
QTA		Repeat the last radiogram.

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

## DEPARTMENT OF COMMERCE BUREAU OF NAVIGATION RADIO SERVICE

# RADIO STATIONS OF THE UNITED STATES

**EDITION JULY 1, 1916** 



WASHINGTON GOVERNMENT PRINTING OFFICE 1916 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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## CONTENTS.

Not	ea
	roduction
 T.e.	d radio stations, alphabetically by names of stations.
	p radio stations, alphabetically by names of vessels.
	d and ship radio stations, alphabetically by call signals.
	cial land radio stations, alphabetically by names of stations.
	cial land radio stations, grouped by districts
	ateur radio stations
хщ	First district (headquarters, Boston, Mass.).
	Alphabetically by owners of stations.
	Alphabetically by call signals.
	Second district (headquarters, New York, N. Y.).
	Alphabetically by owners of stations.
	Alphabetically by call signals.
	Third district (headquarters, Baltimore, Md.)
	Alphabetically by owners of stations.
	Alphabetically by call signals.
	Fourth district (headquarters, Savannah, Ga.)
	Alphabetically by owners of stations.
	Alphabetically by call signals.
	Fifth district (headquarters, New Orleans, La.).
6	Alphabetically by owners of stations.
	Alphabetically by call signals.
	Sixth district (headquarters, San Francisco, Cal.)
	Alphabetically by owners of stations.
	Alphabetically by call signals.
	Seventh district (headquarters, Seattle, Wash.)
	Alphabetically by owners of stations.
	Alphabetically by call signals
	Alphabetically by owners of stations.
	Alphabetically by call signals.
	Ninth district (headquarters, Chicago, Ill.).
	Alphabetically by owners of stations.
	Alphabetically by call signals.
	endix
bb	engix
	stations
	Transmission of weather reports by naval radio stations
	International Morse code and conventional signals.
	List of abbreviations to be used in radio communication

## 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 Radio telegraph 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 vear.

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.

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## 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 pro- | CQA to CQZ...Monaco. tectorates.

B..... All to Great Britain.

CAA to CEZ...Chile.

CFA to CMZ...Not yet assigned.

CNA to CNZ. . Morocco.

COA to COZ...Not yet assigned.

CPA to CPZ...Bolivia.

CRA to CTZ...Portugal and colonies.

CUA to CUZ...Not yet assigned.

CVA to CVZ...Roumania.

CWA to CWZ...Uruguay.

CXA to CZZ...Not yet assigned.

D..... All to Germany and protectorates.

EAA to EGZSpain and colonies.	QReserved for code abbre-					
EHA to EZZ Not yet assigned.	viations.					
F All to France and colonies.	RAll to Russia.					
GAll to Great Britain.	SAA to SMZSweden.					
HAA to HFZ. Austria-Hungary and Bos-	SNA to STZBrazil.					
nia-Herzegovina.	SUA to SUZEgypt.					
HGA to HHZSiam.	SVA to SZZGreece.					
HIA to HIZDominican Republic.	TAA to TMZTurkey.					
HJA to HKZColombia (Republic).	TNA to TZZGermany and protecto-					
HLA to HZZNot yet assigned.	rates.					
IAll to Italy and colonies.	UAA to UMZFrance and colonies.					
JAll to Japan and posses-	UNA to UZZAustria-Hungary and Bos-					
sions.	nia-Herzegovina.					
KAA to KCZGermany and protecto-	VAA to VGZCanada (British).					
rates.	VHA to VKZ Australian Federation					
KDA to KZZ United States.	(British).					
LAA to LHZ Norway.	VLA to VMZNew Zealand (British).					
LIA to LRZArgentine Republic.	VNA to VNZ South African Union					
LSA to LWZNot yet assigned.	(British).					
LXA to LZZBulgaria.	VOA to VOZNewfoundland (British).					
MAll to Great Britain.	VPA to VSZBritish colonies not au-					
NAll to the United States.	tonomous.					
OAA to OFZNot yet assigned.	VTA to VWZBritish India.					
OGA to OMZ Austria-Hungary and Bos-	VXA to VXZ Newfoundland (British).					
nia-Herzegovina.	VYA to VZZGreat Britain.					
ONA to OTZBelgium and colonies.	WAll to the United States.					
OUA to OZZDenmark.	XAA to XDZMexico.					
PAA to PIZNetherlands.	XEA to XMZ_Not yet assigned.					
PJA to PJMCuração (Dutch).	XNA to XSZ China:					
PJN to PJZSurinam (Dutch).	XTA to XZZNot yet assigned.					
PKA to PMZ Dutch East Indies.	Y All to Great Britain.					
PNA to PZZBrazil.	ZAll to Great Britain.					
DITRI ICLEED VICE STATIONS						

#### 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.
- 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.
- 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

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. 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 transoceanic 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 aignal.	Wave lengths.	Berv-	Hours of operation.	Station controlled by—
Akron, Ohio	woi	300, 600, 2070.	PR	8 a. m. to	Goodyear Tire & Rubber Co.
Akutan, Alaska	KMW	300, 525, 600	PR	4.30 p. m. X	North Pacific See Products Co.
Albina, Oreg. See Portland, Oreg. (KGN).					2
Alockanok River, Alaska	KML	300, 500, 600	P	X	North Alaska Sal- mon Co.
Anchorage, Alaska	NZY	300, <i>600</i> , 750, 1000.	0	x	Alaska Engineering
Anderson (steam- ship), Fort Mon- roe, Va.	WZM		0		U. S. Army.
Annapolis, Md	NAK		0	8 a. m. to 10 p. m.	U. S. Navy.
Arlington, Radio, Va. See Washington, D. C.					
Ashtabula, Ohio	WSA	300, 550, 600	PG	(1)	Marconi Co.
Astoria, Oreg	KPC	300, <i>600</i> , 1800 3100, 3800.	PG	} N	Marconi Co.
Avalon, Cal	KPI	300, 530, 600	PR	7 a. m. to	Marconi Co.
	NTDT			8 p. m.	
Balboa, Panama Baltimore, Md	NPJ WBS	600	PG PG	6 s. m. to	U. S. Navy. Marconi Co.
<b>Date</b> 1222010, 2421111		000,000,000	1 - 4	midnight.	
Beaufort, N. C	NAN		0	N	U. S. Navy.
Belmar, N. J Benton Harbor,	WII	300, 500, 600	PR	X	Marconi Co. Graham & Morton
Mich.					Transp. Co.
Binghamton, N. Y	WBT	1610	PR	X	D., L. & W. R. R.
Bolinas, Cal	KET	6100	PR	N	Marconi Co.
Boston, Mass	WCH	300, 600, 1610, 2000, 2400, 2800.	P	X	Nat. Elec. Signal ing Co.
Boston, Mass	WBF	300, 600	PG	N N	Marconi Co.
Boston, Mass Bremerton, Wash. See Puget Sound.	NAD		0	N	U. S. Navy.
Brooklyn, N. Y	WCG	300, 550, 600, 1650, 2600.	PG	} (2)	Nat. Elec. Signal- ing Co.
Brooks, Alaska	KIZ	300, 600	PR		Alaska Wireles
Decementile Te-	wuz	1000	0	x	Telegraph Co.
Brownsville, Tex Buckroe (steam-ship), Fort Mon-roe, Va.	WZL	1000		<b>^</b>	U. S. Army. U. S. Army.

^{1 7.30} a. m. to 11.30 a. m.; 12.30 p. m. to 5 p. m.

¹4 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	(1)	Marconi Co.
Burrwood, La	WBW	300, 600, 2200.	PG PR	(2)	Tropical Radio Telegraph Co.
Calumet, Mich	WCM	300, 500, 600	PG	(2)	Marconi Co.
Canton, Ohio Cape Blanco, Oreg Cape Cod, Mass. See North Truro, Mass.	WQP NPF	600	PPG	(3) X N	Henry L. Ley. U. S. Navy.
Cape Hatteras (Bux- ton), N. C.	WHA	300, 550, 600	PG PR	} N	Marconi Co.
Cape May, N. J Cape St. Elias, Alaska.	WCY NLQ	300, 550, 600 600, 800, 1000, 1200.	PG PG	N X	Marconi Co. U. S. Bureau of Lighthouses.
Cavite, P. I Charleston, S. C	NPO NAO	600	PG	N N	U. S. Navy. U. S. Navy.
Chicago, Ill	WGO	300, 500, 600	{ PG PR	(4)	Marconi Co.
Chignik, Alaska	KHC	300, 500, 600, 1610.	PR	X	Alaska Packers' Association.
Circle City, Alaska Clarks Point, Alaska.	WVA KHG	600, 1400 300, 400, 500, 600.	O PR	x	U. S. Army. Alaska Packers' Association.
Cleveland, Ohio	WCX	300, 500, 600	PG	(s)	Marconi Co.
Colorado Springs, Colo.	NAX KIY	600 300, 425	PG PR	X	U. S. Navy. Herbert C. Col- burn.
Conneaut Harbor, Ohio.	WEV	300, 475, 540, 600.	PR	X	Marquette & Bessemer Dock & Nav. Co.
Cordova, Alaska Corregidor Isld., P.I. See Fort Mills.	NPA	600	PG	N	U. S. Navy.
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 Davao, Mindanao Isld., P. I.	NBA WVO	600, 1200	O PG	N 7 a. m. to 6 p. m.	U. S. Navy. U. S. Army.
Davenport, Iowa	WPT	500	PR	X	Western Flour Mill Co.
Denver, Colo Detroit, Mich. (WDR). See River Rouge, Mich.	KIX	300, 575	PR	x	William H. Smith.
Detroit, Mich	WOK	300, 600, 2160.	PR	8.30 a. m. to 4.30	Goodyear Tire & Rubber Co.
Diamond Shoals Lightship (off Cape Hatteras,	NLB		0	p. m. 6 a. m. to 10 p. m.	U. S. Navy.
N. C.). D., L. & W. R. R. limited train.	WBI				D., L. & W. R. R. Co.

<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. 16: 1 a. m. to 6 a. m.; 7 s. m. to noon; 1 p. m. to 6 p. m.; 7 p. m. to midnight.
² 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.
³ 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.
⁴ 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.
⁵ 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.</sup> 

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

Station.	Call aignal.	Wave lengths.	Serv- ice.	Hours of operation.	Station controlled by—
Douglas, Ariz	KDC	300, 600	P	(1)	Copper Queen Consolidated
Dover, N. J	WBX				Mining Co. D., L. & W. R. R. Co.
Duluth, Minn Dutch Harbor, Alaska.	WDM NPR	300, 500, 600 600	PG PG	N (2)	Marconi Co. U. S. Navy.
East San Pedro, Cal	KPJ	300, 500, 600	PR PG	} и	Marconi Co.
Egegak, Alaska	KMF	300, 500, 600	PR	, x	North Alaska Sal- mon Co.
Ensenada, P. R	WPR	300, 600, 1610.	{ PR PG	} (²)	Guanica Centrale.
Eureka, Cal	KPM	300, 600	PG	N (a)	Marconi Co.
Eureka, Cal Fairbanks, Alaska	NPW WVB	600, 1400	PG PG	N	U. S. Navy.
Farallons, Cal	NPI	000, 1100	o	N	U. S. Army. U. S. Navy.
Fire Island, N. Y	NAG		0	N	U. S. Navy.
Fort Adams, R. I	WUU	1200	0	6 a. m. to 10 p. m.	U. S. Army.
Fort Andrews, Mass.	WUA		0	6 a. m. to 10 p. m.	U. S. Army.
Fort Barrancas, Fla.	WZD	1200	0	6 a. m. to 10 p. m.	U. S. Army.
Fort Caswell, N. C	WUT	825	0	6 a. m. to	U. S. Army.
Fort Constitution, N. H.	WZE	825	0	10 p. m. 6 a. m. to	U. S. Army.
Fort Crockett, Tex.	WUX	1200	0	10 p. m. 6 a. m. to	U. S. Army.
Fort Dade, Fla	WZK	825	0	10 p. m. 6 a. m. to	U. S. Army.
Fort De Russy, Honolulu, Hawaii.	WZG		0	10 p. m. 6 a. m. to 10 p. m.	U. S. Army.
Fort Drum, El Fraile Isld., Manila Bay, P. I.	WVP		0	6 a. m. to 10 p. m.	U. S. Army.
Fort Egbert, Alaska.	WVC	600, 1400	0		U. S. Army.
Fort Frank, Carabao Isld., Manila Bay,	WVL		0	6 a. m. to 10 p. m.	U. S. Army.
P. I. Fort Gibbon, Alaska.	WVD	1600, 2000	0		U. S. Army.
Fort Hancock, N. J.	WUB		ŏ	8 a. m. to	U. S. Army.
Fort H. G. Wright, N. Y.	WUC		0	10 p. m. 6 a. m. to	U. S. Army.
Fort Howard, Md	WZB	1200	0	10 p. m. 6 a. m. to	U. S. Army.
Fort Hughes, Caballo Isld., Manila Bay, P. I.	WVM		0	10 p. m. 6 a. m. to 10 p. m.	U. S. Army.
Fort Leavenworth, Kans.	WUD	1800	0		U. S. Army.
Fort Leavenworth, Kans. (Army Sig- nal School).	wuv		0		U. S. Army.

^{1 10} a. m. to 11 a. m.; 4 p. m. to 5 p. m.
2 1 a. m. to 7 a. m.; 8 a. m. to noon; 1 p. m. to 7 p. m.; 8 p. m. to midnight
3 Week days, 8 a. m. to noon; 2 p. m. to 5 p. m.; 8 undays, 9 a. m. to noon.
4 8.30 a. m. to 6 p. m.; 7.30 p. m. to 5 a. m.

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

Station.	Call	Wave lengths.	Serv-	Hours of	Station controlled by
Otsum.	signal.	Wave lengths.	ice.	operation.	
Fort Levett, Me	WUE		0	6 a. m. to	U. S. Army.
Fort Mills, Corregidor Isld., Manila	WVN		PG	10 p. m. 6 s. m. to 10 p. m.	U. S. Army.
Harbor, P. I. Fort Mills, Corregider Islands, Manila Bay, P. I.	wvz	600, 825	0	6 a. m. to 10 p. m.	U. S. Army.
Fort Monroe, Va	WUF		0	6 a. m. to 10 p. m.	U. S. Army.
Fort Monroe, Va. (Coast Artillery School).	WUG		0	6 a. m. to 10 p. m.	U. S. Army.
Fort Morgan, Ala	WFM	300, 445, 600	∫PR FG	} (¹)	Marconi Co.
Fort Morgan, Ala	WUR	1200	0	6 a. m. to 10 p. m.	U. S. Army.
Fort Moultrie, S. C	WZF	825	0	6 a. m. to 10 p. m.	U. S. Army.
Fort Riley, Kans Fort Rosecrans, Cal.	WUI WUS	1200	0	6 a. m. to	U. S. Army. U. S. Army.
Fort Sam Houston,	WUJ	650	0	10 p. m.	U. S. Army.
Tex. Fort San Jacinto, Tex.	WUY	1200	0	6 a. m. to 10 p. m.	U. S. Army.
Fort Screven, Ga	WZA	1200	0	6 a. m. to 10 p. m.	U. S. Army.
Fort Stevens, Oreg	WUK		0	6 a. m. to 10 p. m.	U.S. Army.
Fort St. Michael,	WVE	600, 1200	PG	9 a. m. to 9 p. m.	U. S. Army.
Fort Terry, N. Y	wuw	1200	0	6 s. m. to 10 p. m.	U. S. Army.
Fort Totten, N. Y	WUL		0	6 a. m. to 10 p. m.	U. S. Army.
FortWhitman, Wash.	WZC	1200	0	6 a. m. to	U. S. Army.
Fort Winfield Scott,	wuo		0	10 p. m. 6 a. m. to 10 p. m.	U.S. Army.
Fort Wint, Grand Isld., Manila Bay, P. I.	WVR		0	6 a. m. to 10 p. m.	U. S. Army.
Fort Wm. McKinley, Luzon Isld., P. I.	wvQ	600	0		U.S. Army.
Fort Wood, N. Y Fort Worden, Wash	WUM WUN		O PG	6 a. m. to	U.S. Army. U.S. Army.
Frankfort, Mich Frying Pan Shoals Lightship(off Cape Fear, N. C.).	WFK NLC	800, 500, 600	PG O	10 p. m. (2) 6 a. m. to 10 p. m.	Marconi Co. U. S. Navy.

¹ 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 6.20 p. m.; 6.10 p. m. to 4.20 p. m.; 6.10 p. m. to 4.20 p. m.; 6.10 p. m. to 6.20 p. m.; 5.40 p. m. to 8.50 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 8.10 p. m.; 5.30 p. m. to 5.40 p. m.; 6 p. m. to 8.10 p. m.; 5 p. m. to 8.40 p. m.; 6 p. m.; 6 p. m. to 8.40 p. m.; 6 p. m.; 6 p. m.; 6 p. m. to 8.40 p. m.; 6 p. m. to 8.40 p. m.; 6 p. m. to 8.40 p. m.; 6 p. m. to 8.40 p. m.; 6 p. m. to 8.40 p. m.; 6 p. m. to 8.40 p. m.; 6 p. m. to 8.40 p. m.; 6 p. m. to 8.40 p. m.; 6 p. m. to 8.40 p. m.; 6 p. m.; 6 p. m. to 8.40 p. m.; 6 p. m. to 8.40 p. m.; 6 p. m. to 8.40 p. m.; 6 p. m. to 8.40 p. m.; 6 p. m. to 8.40 p. m.; 6 p. m. to 8.40 p. m.; 6 p. m. to 8.40 p. m.; 6 p. m. to 8.40 p. m.; 6 p. m. to 8.40 p. m.; 6 p. m. to 8.40 p. m.; 6 p. m. to 8.40 p. m.; 6 p. m. to 8.40 p. m.; 6 p. m. to 8.40 p. m.; 6 p. m. to 8.40 p. m.; 6 p. m. to 8.40 p. m.; 6 p. m. to 8.40 p. m.; 6 p. m. to 8.40 p. m.; 6 p. m. to 8.40 p. m.; 6 p. m. to 8.40 p. m.; 6 p. m. to 8.40 p. m.; 6 p. m. to 8.40 p. m.; 6 p. m. to 8.40 p. m.; 6 p. m. to 8.40 p. m.; 6 p. m. to 8.40 p. m.; 6 p. m. to 8.40 p. m.; 6 p. m. to 8.40 p. m.; 6 p. m. to 8.40 p. m.; 6 p. m. to 8.40 p. m.; 6 p. m. to 8.40 p. m.; 6 p. m. to 8.40 p. m.; 6 p. m.

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

Station.	Call signal.	Wave lengths.	Berv- ice.	Hours of operation.	Station controlled by—
Galveston, Tex	WGV	300, 500, 600	PG	(2)	Marconi Co.
Grand Haven, Mich.	WGH	300, 500, 600	PG	(2)	Marconi Co.
Great Lakes, Ill	NAJ	300, 600, 1000.	0	N	U. S. Navy.
Guam, Marianne Islds.	NPN	300, 600	PG	N	U. S. Navy.
Guantanamo Bay, Cuba.	NAW	800	PG	N	U. S. Navy.
Hales Creek, Alaska.	KMT	300, 600, 2000.	P	X	North Alaska Salmon Co.
Hatteras, N. C. See					
Cape Hatteras. Heald Bank Lightship, off Galveston, Tex.	NLP	300, 600	0	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 X X	Marconi Co.
Hoboken, N. J	WBU	2240	PR	X	Marconi Co.
Hollister, Cal Honolulu, Hawaii. See Pearl Harbor, Hawaii.	KGH	300, 600, 1850.	PR	X	Palmer B. Hewlett
Iditarod, Alaska	KIV	500	PR	9 a. m. to	Alaska Wireless Tel- egraph Co.
Indianhead, Md	NBG	300, 600, 750	0	7 p. m. X	U. S. Navy.
Inglewood, Cal	KFZ	300, <i>600</i> , 3300, 4000,	PR	9 a. m. to 6 p. m.	Federal Telegraph Co.
Isle Royal, Mich	WRO	300, 600			Marconi Co.
Jackson ville, Fla	WJX	300, 450, 600,	PG	(3)	Marconi Co.
Jolo, Jolo Isld., P. I.	wvs	600.	PG	7 a. m. to	Insular Govt., Phil
		1		5.15 p. m.	ippine Islds.
Jualin, Alaska	KJA	300, 500, <i>600</i> , 1980.	PG	(4)	Marconi Co.
Juneau, Alaska	KDU	300, <i>600</i> , 1800, 3100.	PG	N	Marconi Co.
Jupiter, Fla Kahuku, Hawaii. See Koko Head.	NAQ		0	N	U. S. Navy.
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, <i>600</i> , 1800, 3100.	PG	N	Marconi Co.
Key West, Fla	NAR	600	PG	N N X	U. S. Navy.
Kodiak, Alaska	NP8	600	PG	N	U.S. Navy.
Koggiung, Alaska	KHB	300, 400, 500,	PR	X	Alaska Packers' As
Koggiung, Alaska	kvv	300, 450, 600	PG	6.30 p. m. to 9.30	sociation. Alaska Fishermen's Packing Co.
Koko Hood Hame!	KHJ	Select survivarial	PR	p. m.	Marconi Co.
Koko Head, Hawaii.	KIE	6200	PR	N	Marconi Co.
Koko Head, Hawaii. Kotlik, Alaska	WVF	600	PG		U. S. Army.
Kvichak, Alaska	KMT	300, 600, 2000.	PR	( <u>%</u>	North Alaska Sal-
		1 500, 500, 2000.	- 14		mon Co.

¹⁷ a. m. to 12 noon; 1 p. m. to 2 a. m.
27 a. m. to 11 a. m.; 8 p. m. to 11 p. m.
86 a. m. to 8 a. m.; 10 a.m. to 1 p. m.; 4 p. m. to 7 p. m.
8.30 a. m. to 8.46 a. m.; 1.30 p. m. to 1.45 p. m.; 7.30 p. m. to 7.45 p. m.
7 a. m. to noon; 1 p. m. to 6.30 p. m.
8 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.	Serv- ice.	Hours of operation.	Station controlled by-
Kvichak, Alaska	KML	300, 500, 600	P	x	North Alaska Sal-
Lahaina, Hawaii	KHL	300, 575, 600	PR	(1)	mon Co. Mutual Telephone Co. (Ltd.).
Larsen Bay, Alaska	KHA	300, 500, <i>600</i> , 1610.	PR	x	Alaska Packers' Association.
Lents, Oreg Lihue, Hawaii	KFU KHM	300, 575, 600	PR PR	(¹)	Federal Tel. Co. 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 Mackinac Island, Mich.	WLD WHQ	300, 500, 600 300, 500, 600	PG PG	(3)	Marconi Co. Marconi Co.
Malabang, Mindanao Isld., P. I.	WVT	600, 1200	PG	7 a. m. to 7.30 p. m.	Insular Govt., Phil- ippine Islds.
Manila, P. I	WVU WMX WMW	300, 500, 600 300, 500, 600	PG PG	(5)	U. S. Army. Marconi Co. Marconi Co.
Cal. Marshall, Cal. See Bolinas, Cal. Marshfield, Oreg	KPX	300, 600	PG	8 a. m. to	Marconi Co:
Metha Nelson (steam- ship), Bristol Bay,	KMP	300, 500, 600	PR	6 p. m.	Alaska Packers' Association.
Alaska. Miami, Fla Milwaukee, Wis	WST WME	300, 450, 600 300, 500, 600	PG PG	N (*)	Marconi Co. Marconi Co.
Mobile, Ala	WMB	300, 445, 600	{PG PR	(7)	Marconi Co.
Mount Vernon, Ohio Naknek, Alaska	WQV KHT	500 300, 500, <i>600</i> ,	PR	X	Bunyan J. Hyatt. Alaska Packers' As-
Naknek, Alaska	KMK	1610. 300, 500, <i>600</i>	P	x	Naknek Packing
Nantucket Shoals Lightship (off Newport, R. I.).	NLA		0	4 a. m. to midnight.	Co. U. S. Navy.
Navassa Island, West Indies. New Brunswick, N. J. See Bel- mar, N. J.	WQN				Snare & Triest Co.

mar, N. J.

17 a. m. to noon; 1 p m. to 5.30 p. m.

27 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.

8 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.

8 a. m. to 11 a. m.; 2 p. m. to 5 p. m.; 7 p. m. to 9 p. m.

8 a. m. to 11 a. m.; 2 p. m. to 5 p. m.; 7 p. m. to 8 a. m.; 8.10 a. m. to 8 a. m.; 2.30 p. m. to 6 p. m.; 7.30 p. m. to 8.30 p. m.

8 a. m. to 10 a. m.; 10.10 a. m. to 5 p. m.; 7.00 a. m.; 7.40 a. m. to 8 a. m.; 8.10 a. m. to 8.20 a. m.; 11.49 a. m. to 12 noon; 2.10 p. m. to 10.30 a. m.; 10.40 a. m. to 11 a. m.; 11.10 a. m. to 11 a. m.; 11.49 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 6.0 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. \$30 a. m. to 8.40 a. m.; 12 noon to 12.10 p. m.; 2 p. m. to 2.10 p. m.; 2.30 p. m. to 8.10 p. m.; 3.10 p. m. to 3.10 p. m.; 3.30 p. m.; 3.30 p. m. to 3.40 p. m.; 4 p. m. to 4.10 p. m.; 4.20 p. m. to 4.40 p. m.; 5 p. m. to 3.10 p. m.; 6.30 p. m. to 5.40 p. m.; 6.30 p. m.; 6.30 p. m. to 6.40 p. m.; 6 p. m. to 6.10 p. m.; 6.30 p. m. to 6.40 p. m.; 6 p. m. to 6.10 p. m.; 6.30 p. m. to 6.40 p. m.; 6 p. m. to 6.10 p. m.; 6.30 p. m. to 6.40 p. m.; 6 p. m. to 6.10 p. m.; 6.30 p. m.; 6.30 p. m.; 6.30 p. m.; 6.30 p. m.; 6.30 p. m.; 6.30 p. m.; 6.30 p. m.; 6.30 p. m.; 6.30 p. m.; 6.30 p. m.; 6.30 p. m.; 6.30 p. m.; 6.30 p. m.; 6.30 p. m.; 6.30 p. m.; 6.30 p. m.; 6.30 p. m.; 6.30 p. m.; 6.30 p. m.; 6.30 p. m.; 6.30 p. m.; 6.30 p. m.; 6.30 p. m.; 6.30 p. m.; 6.30 p. m.; 6.30 p. m.; 6.30 p. m.; 6.30 p. m.; 6.30 p. m.; 6.30 p. m.; 6.30 p. m.; 6.30 p. m.; 6.30 p. m.; 6.30 p. m.; 6.30 p. m.; 6.30 p. m.; 6.30 p. m.; 6.30 p. m.; 6.30 p. m.; 6.30 p. m.; 6.30 p. m.; 6.30 p. m.; 6.30 p. m.; 6.30 p. m.; 6.30 p. m.; 6.30 p. m.; 6.30 p. m.;

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

Station.	Call signal.	Wave lengths.	Serv- ice.	Hours of operation.	Station controlled by—
New London, Conn New London, Conn	NRZ WLC	300, 600	¹ O PG	X 8 p. m. to	U. S. C. G. T. A. Scott Co. (Inc.).
New Orleans, La	NAT		0	4 a. m. 8 a. m. to	U. S. Navy.
New Orleans, La	WHK	300, 600	PG	10 p. m.	Marconi Co.
New Orleans, La	WNU	300, <i>600</i> , 1800, 1850.	P PR PG	N	Tropical Radio Tel- egraph Co.
Newport, R. I Newport, R. I	NAF WCI	300, 550, 600	PG	N 7 p. m. to	U. S. Navy. Nat. Elec. Signal-
New Prague, Minn	WPU	500	PR	5 a. m. X	ing Co. New Prague Flour
Newton, Mass	WLN	300, <i>600</i> , 1650, 2000.	P	x	Milling Co. Ralph C. Emery.
New York, N. Y New York, N. Y New York, N. Y New York, N. Y	NAH WHB WHI WNT	300, 600, 1610. 300, 600 300, 600	O PG PG PG	N N N (³)	U. S. Navy. N. Y. Herald Co. Marconi Co. Atlantic Communi- cation Co.
Nome, Alaska Norfolk, Va North Head, Wash North Truro, Mass Nulato, Alaska Nushagak, Alaska	WVG NAM NPE NAE WVH KMG	600, 2000	PG O PG O O PR	N N N N	U. S. Army. U. S. Navy. U. S. Navy. U. S. Navy. U. S. Army. North Alaska Sal-
Oakland, Cal Olongapo, P. I Passagrille, Fla Pearl Harbor, Ha-	KGI NPT WRG NPM	300, 500, 600	P O PG O	X N X N	mon Co. Ellery W. Stone. U. S. Navy. C. A. Brown. U. S. Navy.
waii. Peking, China Pensacola, Fla Petersburg, Alaska	NPP NAS WVI	600	O PG PG	N N 9 a. m. to	U. S. Navy. U. S. Navy. U. S. Army.
Philadelphia, Pa	WHE	300, 600, 1650.	PG	9 p. m. 9 a. m. to 5.30 p. m.	Marconi Co.
Philadelphia, Pa Phoenix, Ariz	NAI KHQ	3000, 3400	O PR	8 a. m. to	U. S. Navy. Federal Telegraph
Point Arguello, Cal Point Isabel, Tex Port Arthur, Tex Portland, Me	NPK NAY WRU NAB	300, 600	PG PG O	6 p. m. N (4) 8 a. m. to	Co. U. S. Navy. U. S. Navy. Marconi Co. U. S. Navy.
Portland, Oreg	KGN	300, 600, 1700.	PR	10 p. m. X	Northwestern Elec-
Portland, Oreg	KDP	200, 300, 425,	PR	x	tric Co. Charles L. Austin.
Port Moller, Alaska	KWR	550, 600. 300, 450, 600, 1610.	PG	6.30 p. m. to 9.30	Pacific - American Fisheries.
Port Royal, S. C Portsmouth, N. H	NAV NAC		0	p. m. N N	U. S. Navy. U. S. Navy.

This station will accept general public service in emergencies when open.
 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 8.30 p. m.; 8 p. m. to 8.55 p. m.; 10 p. m. to 11 p. m.
 9 a. m. to 5 p. m., except Sundays and holidays.
 6.30 a. m. to noon; 12.30 p. m. to 6 p. m.; 6.30 p. m. to 8.30 p. m.

54257°--16---2

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

Station.	Call signal.	Wave lengths.	Serv- ice.	Hours of operation.	Station controlled by-
Providence, R. I Puerto Princesa, Paragua, P. I.	WPF WVV	300, 425, 600	PR PG	X 7 a. m. to	Dutee W. Flint. Insular Govt.,Phil- ippine Islds.
Puget Sound, Wash Relief Lightship No. 66 or No. 85.	NPC NLD	300, 600	O PG	6 p. m. N	U. S. Navy. 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 Califor- nia Edison Co.
River Rouge, Mich	WDR	300, 500, 600	{ PG PR	(1)	Marconi Co.
Roche Harbor, Wash.	KRW	300, 600, 1800.	`PG	(2)	Tacoma & Roche Harbor Lime Co.
Sagaponack, N. Y San Diego, Cal	WSK KSD	300, 600 300, 600, 1800, 2800.	PG PG PR	X }4 a. m. to 8 p. m.	Marconi Co. Federal Telegraph Co.
San Diego, Cal	NPL NPH	600	PG		U. S. Navy. U. S. Navy.
San Francisco, Cal San Francisco, Cal	KFS	300, <i>600</i> , 1800, 3000, 3500.	$\left\{egin{array}{l} \mathbf{PR} \\ \mathbf{PG} \end{array}\right.$	7 a. m. to 7 p. m.	Federal Telegraph
San Jose, Mindoro Isld., P. I.	wvy	600	PĞ	7 a. m. to 6.15 p. m.	Insular Govt.,Phil- ippine Islds.
San Juan, P. R San Pedro, Cal. See East San Pedro. Sault Ste. Marie,	NÁU	600	PG	N N	U. S. Navy.
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 N	(3)
Scranton, Pa	WTP				D., L. & W. R. R.
Sea Gate, N. Y	WSE	300, 600	PG	N	Marconi Co.
Seattle, Wash	KPA	300, 540, <i>600</i> , 1700, 3100.	PG PR	N	Marconi Co.
Seattle, Wash	KPE	300, 525, 600	PR	(4)	City of Seattle (Harbor Dept.).
Siasconset, Mass	WSC	300, 600	PG	N	Marconi Co.
Sitka, Alaska Snag Point, Alaska.	NPB KHF	600 300, 400, 500, 600.	PG PR	N X	U. S. Navy. Alaska Packers' Association.
South San Francisco, Cal.	KSS	300, 600, 1800, 5000, 8000, 10000.	PR PG	} N	Federal Telegraph
South Wellfleet, Mass.	wcc	300, 600, 2100.	PG	x	Marconi Co.
St. Augustine, Fla St. George, Pribilof	NAP NPY	600	PG O	N X	U. S. Navy. U. S. Navy.
Islds., Alaska. St. Paul, Pribilof Islds., Alaska.	NPQ	600	PG	N	U. S. Navy.

¹⁷ 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. 48 a. m. to 10 a. m.; 3 p. m. to 5 p. m.; 8 p. m. to 10 p. m. 3 station owned by Atlantic Communication Co. and operated temporarily by the U. S. Navy. 48 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 N	U. S. Navy.
Teller, Álaska	KWT		PR		Max R. Hirsch- berg.
Tuckerton, N. J	WGG	8600	PR	N	(8)
Tutuila, Samoa	NPU	600	PG	0.0000.000	U. S. Navy.
Ugashik, Alaska	KMU	300, 500, 600	PŘ	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	300, 575, 600	{ PG PR	) N	Mutual Telephone Co. (Ltd.).
Washington, D. C. (Arlington).	NAA		. 0	N	U. S. Navy.
Washington, D. C. (Navy Yard).	NAL	••••••	0	N	U. S. Navy.
Washington, D. C. (Capitol).	NZW	250, 650, 1000.	0	X	Supt. U. S. Capi- tol Building and Grounds.
Washington, D. C. (Army Signal Corps Laboratory).	WUP		0		U. S. Army.
Washington, D. C. (Bureau of Stand- ards).	WUQ		0		U. S. Army.
Vrangell, Alaska	WVJ	300, 600	PG	9 a. m. to 9 p. m.	U. S. Army.
čerba Buena, Cal	NPG		0	N	U. S. Navy.
amboanga, Minda- nao Isld., P. I.	wvw	600, 1200	PG	7 a. m. to 7.30 p. m.	Insular Govt., Phil- ippine Islds.

 ¹⁸a. m. to 11a. m.; 1 p. m. to 5 p. m.: 7.30 p. m. to 8 p. m.
 26a. m. to 8a. m.; 10a. m. to 1 p. m.; 4 p. m. to 7 p. m.
 25tation owned by Atlantic Communication Co, and operated temporarily by the U. S. Navy.
 29a. m. to 11.30a. m.; 7.30 p. m. to 11 p. m.

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

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Abangarez	KDI	300, 600	PG	Abangarez S. S. Corp.	Tropical Radio Tele
Abarenda	NOB	600	PG	Government	graph Co. U. S. Navy.
Achilles	KPT	300, 600		Maryland Steel Co	
Acme	KIJ	300, 600	PG	Standard Transp. Co.	Marconi Co.
Acushnet	NRU	300,600	PĞ	Government	U. S. C. G.
Adeline Smith	WHS	300, 600	PĞ	Inter-Ocean Transp.	· Marconi Co.
Admiral Dewey	WAY	300, 600	PG	Co. Pacific-Alaska Nav.	Vessel owner.
Admiral Evans	WAB	300, 600	PG	Co.	Vessel owner.
Admiral Farragut	WAF	300,600	PG.	do	Vessel owner
Admiral Schley	WAZ	300, 600	PĞ	do	Vessel owner.
Admiral Watson	WAW	300, 450,	PG	do	Vessel owner
Aumirai Wateon	WAW	550, 600.	10		vesser owner
Advance	KMV	300, 450, 550, 600.	PG	Panama R. R. Co	Vessel owner.
Ajax	NBH	300,600	PG	Government	U. S. Navy.
	WFB		PG	Goodrich Transit Co.	Marconi Co.
Alabama		300, 600			
Alabama	KUN	300, 600	PG	The Texas Co	Marconi Co.
Alabama	NBI	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,	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	PĞ	do	U. S. Navy.
Alberta	KŽA	300, 600,	PĞ	F. G. Bourne	Marconi Co.
Alert	NBL	1800. 300, 600	PG	Government	U. S. Navy.
Algonquin	KVG	300,600	PĞ	Clyde S. S. Co	Marconi Co.
	NRA		PG		U. S. C. G.
Algonquin		300,600		Government	
AliciaAl-Ki	KZB WNK	300, 600 300, 600	PG PG	Alfred I. du Pont Border Line Transp.	Vessel owner Marconi Co.
Alliança	KMA	300, 450,	PG	Co. Panama R. R. Co	Vessel owner.
•		600.			
Alliance	WRV	300, 600	PG	North Pacific S. S. Co.	Marconi Co.
Almirante	KLD	300, 600	PG	Almirante S. S. Corp.	Tropical Radio Tele- graph 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,	PG	R. Lawrence Smith,	Marconi Co.
		600.		(Inc).	

#### RADIO STATIONS OF THE UNITED STATES.

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
AmmenAmphitriteAncon	NBP NHG KMS	300, 600 300, 600 300, 400,	PG PG	Governmentdo	U. S. Navy. U. S. Navy. Vessel owner.
Androscopgin Annapolis Ann Arbor No. 3 Ann Arbor No. 4	NRD NBR WDN WDO	600. 300, 600. 300, 600. 300, 600. 300, 600.	PG PG PG PG	GovernmentdoAnn Arbor R. R. Codo.	
Ann Arbor No. 5 Anne W Antilla.	WDP WMU KWD	300, 600 300, 600 300, 450, 600.	PG PG	Hosford Transp. Co New York & Cuba Mail S. S. Co. (Ward Line).	Marconi Co.  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.
ApacheArapahoe	NRP KVB	300, 600 300, 450, 600.	PG PG	Government Clyde S. S. Co	U. S. C. G. 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.
ArethusaArgyll	NBU WTB	600 300, 600, 1800.	PG PG	Government Union S. S. Co. (Union Oil Co.).	U. S. Navy. Federal Tele- graph Co.
Arizona	WFG WKB	300, 600 300, 600	PG PG	Goodrich Transit Co. American - Hawaiian S. S. Co.	Marconi Co. Vessel owner
ArkansasAroline	NBV WRJ	300, 600 300, 600	PG PG	Government Pacific-Alaska Nav. Co.	U. S. Navy. Marconi Co.
Artisan	WKW	300, 450, 600.	PG	American - Hawaiian S. S. Co.	Marconi Co.
Ashtabula	WEZ	300, 600	PG	Pennsylvania & On- tario Nav. Co.	Marconi Co.
Astral	KIQ	300, 450, 600.	PG	Standard Transporta- tion ('o.	Marconi Co.
Asuncion	WTX	300, 600	PG	Standard Oil Co. of Cal.	Marconi Co.
Atenas	KDK	300, 600	PG	Atenas S. S. Corp	Tropical Ra- dio Tele- graph Co.
Atlanta	KGR	300, 600		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 NLO	300, 600	PG	Government	U. S. Navy. U. S. Dept. of Labor.
AztecBache	KZC WWQ NLK	300, 600 300, 400, 600.	PG O	A. C. Burrage	Marconi Co. U. S. Dept. of Commerce.

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	PĞ	do	U. S. Navy.
Balch	NII	300, 600	PĞ	do	II S Marr
Baltimore	NCH	300, 600	PĞ	do	U. S. Navy. U. S. Navy.
Bantu	KLM	300, 600	PG	U. S. Steel Products	Marconi Co.
Baton Rouge	KSG	300, 600	PG	Co. 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	Marconi Co.
Bayway	KSR	300, 600	PĞ	Standard Oil Co. of N. J.	Vessel owner.
Beale	NCL	300,600	PG	Government	U. S. Navy.
Bear	NRB	300,600	PG	do	Ŭ. S. C. G.
Beaver	wwb	300, 600	PG	San Francisco & Port- land S. S. Co.	Marconi Co.
Belfast	KRD	300, 600	PG	Eastern S. S. Corp	Marconi Co.
Benham	NIJ	300, 600	PG	Government	U. S. Navy.
Berkshire	KQB	300, 600	PG	Merchants & Miners Transp. Co.	
Berlin	WRB	300, 600	PG	Alaska - Portland Packers' Assn.	Marconi Co.
Beverly	KND	300, 600	PG	Colonial Nav. Co	Nat. Elec. Sig- naling Co.
Birmingham	NCN	300, 600	PG	Government	U. S. Navy.
Boston	KXA	300, 550,	PG	New England S. S.	Nat. Elec. Sig-
		600.		Co.	naling Co.
Brabant	KUU	300, 450, 600.	PG	The Texas Co	Marconi Co.
Bradford	KNG	300, 450, 600.	PG	Standard Oil Co. of N. J.	Marconi Co.
Bramell Point	KRO	300, 600	PG	Vacuum Oil Co	Marconi Co.
Brazos	KEZ	300, 600	PG	Mallory S. S. Co	Marconi Co.
Breakwater	WBK	300, 600	PG	Southern Pacific Co	Marconi Co.
Brilliant	KTI	300, 600	PG	Standard Transporta- tion Co.	Marconi Co.
Brindilla	KTZ	300, 600	PG	Standard Oil Co. of N. J.	Marconi Co.
Brockton	KNH	300, 600	PG	Colonial Nav. Co	Nat. Elec. Sig- naling Co.
Brooklyn	NFA	300, 600	PG	Government	U. S. Navy.
Brunswick	Kos	300, 600	PĞ	Gulf & Southern S. S. Co.	Marconi Co.
Brutus	NNA	300, 600	PG	Government	U. S. Navy.
Buccaneer	KFO	300, 600		Freeport & Tampico Fuel Oil Transp.	Marconi Co.
Buenaventura	KWA	300, 600	PG	Co. U. S. Steel Products Co.	Marconi Co.
Buffalo	NCU	300, 600	PG	Government	U. S. Navy.
Buford	WXA	600	PĞ	do	U.S. Army.
Bunker Hill	KJB	300,600	PĞ	Eastern S. S. Corp	Marconi Co.
Burnside	WXR	600	ŏ	Government	U. S. Army.
Burrows	NCV	300, 600	PG	do	U. S. Navy.
Cabrillo	WBV	300, 500,	PG	Wilmington Transp.	Marconi Co.
				I_ W	
C. A. Canfield	WIH	300, 600	$\mathbf{PG}$	Petroleum 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—
Caddo	KSK	300, 450, 600.	PG	Standard Oil Co. of	Marconi Co.
Caesar	NCY KLC	300, 600 300, 600	PG PG	Government Calamares S. S. Corp.	U. S. Navy. Tropical Ra- dio Tele- graph Co.
CaliforniaCaliforniaCaliforniaCaliforniaCaliforniaCalifornian	KYQ NCZ WOR WKC	300, 600 300, 600 300, 600 300, 600	PG PG PG	Mrs. Clara B. Stocker Government John A. Hooper American - Hawaiian	U. S. Navy. Marconi Co. Vessel owner.
Caloria	KSP	300, 600	PG	Standard Off Co. of	Marconi Co.
Calvin Austin Camaguey	KRN KWI	300, 600 300, 450, 600.	PG PG	N. J. Eastern S. S. Corp New York & Cuba Mail S. S. Co. (Ward Line).	Marconi Co. Marconi Co.
Camden Camino Campana	KRC WQC KOM	300, 600 300, 600 300, 450, 600.	PG PG PG	Eastern S. S. Corp Barber & Co Standard Oil Co. of N. J.	Marconi Co. Marconi Co. Marconi Co.
Cape Cod Captain A. F. Lucas	KPW WTV	300, 600 300, 450,	PG PG	F. H. Ely Standard Oil Co. of	Marconi Co. Marconi Co.
Captain A. M. Wetherill.	WYT	400	0	Cal. Government	U. S. Army.
Captain Gregory Barrett.	WYP	400	0	do	U. S. Army.
Captain Chas. W. Rowell.	WYI	400	0	do	U. S. Army.
Captain James Fornance.	WYM	400	0	do	U. S. Army.
Captain T. M. Mor-	WYZ	1200	0	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.	Vessel owner.
Carolina	WFE KGB	300, 600 300, 450, 600.	PG PG	Goodrich Transit Co. New York & Porto Rico S. S. Co.	Marconi Co. Marconi Co.
Carolinian	KJF	300, 600	PG	Export Leaf Tobacco	Marconi Co.
Carrillo	KDE	300, 600	PG	Carrillo S. S. Corp	Tropical Radio Tele- graph Co.
Cartago	KDD	300, 600	PG	Cartago S. S. Corp	Tropical Ra- dio Tele- graph Co.
Casiana	KYE NIK NDA WTI	300, 600 300, 600 300, 450, 600.	PG PG PG	Edw. L. Doheny Governmentdo Huasteca Petroleum Co.	U. S. Navy. U. S. Navy. Marconi Co.
Celilo	WMF NDB WSN KKC	300, 600 300, 600 300, 600 300, 450,	PG PG PG PG	Celilo S. S. Co	Marconi Co. U. S. Navy. Marconi 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 KLU	300, 600 300, 600	PG PG	Government U. S. Steel Products Co.	U. S. Navy. Marconi Co.
Chattanooga Cherokee	NGI KVK	300, 600 300, 600	PG PG	Government	U. S. Navy. Marconi Co.
Chester	NDG	600	PĞ	Government	U. S. Navy.
Chester W. Chapin.		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. (Savannah Line).	Marconi Co.
City of Augusta	KFJ	300, 450, 600.	PG	Ocean S. S. Co. (Savannah Line).	Marconi Co.
City of Bangor	KRH	300,600	PG	Eastern S. S. Corp	Marconi Co.
City of Benton	WDV	300, 600	PG	Graham & Morton	Marconi Co.
Harbor. City of Buffalo	WFQ	300, 600	PG	Transp. Co. Cleveland & Buffalo Transit Co.	Marconi Co.
City of Cleveland	WEA	300, 600	PG	Detroit & Cleveland Nav. Co.	Marconi Co.
City of Columbus	KFA	300, 450, 600.	PG	Ocean S. S. Co. (Savannah Line).	Marconi Co.
City of Detroit II	WEC	300, 450, 500, 600.	PG	Detroit & Cleveland Nav. Co.	Vesselowner.
City of Detroit III	WEF	300, 600	PG	do	Marconi Co.
City of Erie	WFP	300, 600	PG	Cleveland & Buffalo Transit Co.	Marconi Co.
City of Everett	KTQ	300, 600	PG	Standard Oil Co. of N. Y.	Atlantic Com- munication Co.
City of Grand Rapids.	WDS	300, 600	PG	Graham & Morton Transp. Co.	Marconi Co.
City of Lowell	KXB	300, 550, 600.	PG	New England S. S. Co.	Nat. Elec.Sig- naling Co.
City of Mackinac II.	WEB	300, 450, 500, 600.	PG	Detroit & Cleveland Nav. Co.	Vessel owner.
City of Memphis	KFD	300, 600	PG	Ocean S. S. Co. (Savannah Line).	Marconi Co.
City of Montgom- ery.	KFY	300, 450, 600.	PG	do	Marconi Co.
City of Para	WWF	300, 600	PG	Pacific Mail S. S. Co.	Marconi Co.
City of Puebla	WGQ	300, 600	PĞ	Pacific Coast Co	Marconi Co.
City of Rockland	KRI	300, 600	PĞ	Eastern S. S. Corp	Marconi Co.
City of St. Ignace	WEG	300, 450 500, 600	PG	Detroit & Cleveland Nav. Co.	Vessel owner.
City of St. Joseph	WDT	300, 600	PG	Graham & Morton Transp. Co.	Marconi Co.
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SHIP RADIO STATIONS, ALPHABETICALLY BY NAMES OF VESSELS-Continued.

Vessel.	Call signal.	Wave lengths.	Berv- ice.	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,	PG	do	Marconi Co.
City of Seattle	WGA	600. 300, 600	PG	Pacific Coast S. S. Co.	Marconi Co.
City of South Ha-	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.Sig- naling 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		Clinchfield Nav. Co	•
Coalinga	WOT	300, <i>600</i> , 1800.	PG	Union S. S. Co	Federal Tele graph 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. Armis- tead.	WYG	600	0	Government	U. S. Army.
Colombia	WBH	300, 600		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.	0	Government	U. S. Dept. o. 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 Transpor- tation Co.	Marconi Co.
Commonwealth	KXC	300, 550, 600.	PG	New England S. S. Co.	Nat. Elec. Sig- naling Co.
Communipaw	KOE	300, 600		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. Sig- naling Co.
Congress	WGT	300, 600	PG	Pacific Coast S. S. Co.	Marconi Co.
Conneaut	wcu	300, 600		Wyandotte Transp.	Marconi Co.
Connecticut	NDQ	300,600	PG	Government	U. S. Navy.
Coppename	KBF	300, 600	PĞ	Coppename S.S.Corp.	
					graph 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		Coronado Co	Marconi Co.
Corsair	KYC	300,600		J. P. Morgan estate	Marconi Co.
Corwin	WNN			Direction Devices and	

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

Vessel.	Call aignal.	Wave . lengths.	Berv- ice.	Owner of vessel (line).	Station controlled by—
Costa Rica	WQI	300, 600	PG	Bristol Bay Packing	Vessel owner.
Craster Hall	KLK	300, 600	PG	U. S. Steel Products	Marconi Co.
Creole	KKR	300, 450,	PG	Co. Southern Pacific Co	Marconi Co.
Cretan	KQC	300, 450,	PG	Merchants & Miners'	Marconi Co.
Cristobal	KMD	600. 300, 450,	PG	Transp. Co. Panama R. R. Co	Vessel owner.
Crofton Hall	KLR	600. 300, 450,	PG	U. S. Steel Products	Marconi Co.
Croole	WXB	600.	PG	Co.	TT 0 4
Crook Cubadist:	KNV	300, 600	PG	Government	U. S. Army
Outradust	TCTA A	300, 450, 600.	IG	Cuba Distilling Co	Marconi Co.
Culgoa	NDU	300, 600	PG	Government	U. S. Navy.
Cummings	NIL	300, 600	PG	do	U. S. Navy.
Curação	WGK	300,600	PĞ	Pacific Coast Co	Marconi Co.
Currier	KNU	300, 600	PĞ	Cuba Distilling Co	Marconi Co.
Cushing	KSC	300, 600	PĞ	Standard Oil Co. of N. J.	Marconi Co.
Cushing	NIM	300, 600	PG	Government	U. S. Navy.
Cyclops	NDY	300, 600	PĞ	do	U. S. Navy.
Cypress	NLM	600, 750, 1000.	o	do	U. S. Dept. o Commerce.
Сургия	KYD	300,600	PG`	Daniel C. Jackling	Vessel owner.
Dade	KXU	300, 450, 600.	PĞ	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	Vessel owner.
				Boat Co.	
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	PĞ	do	Marconi Co.
Decatur	NJC	300, 600	PĞ	Government	U. S. Navy.
Defiance	WRP	300,600	PĞ	Ship Owners' &	Vessel owner.
				Merchants' Tug Boat Co.	
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.	Marconi Co.
Diana	KZM	200000000		C. Ledyard Blair	Marconi Co.
Dix	WXC	600	PG	Government	U. S. Army.
Dixie	NEP	300, 600	PĞ	do	U. S. Navy.
D. N. Luckenbach.	KGW	300, 600		Edgar F. Lucken- bach.	Marconi Co.
Dochra	KGL	300, 600	PG	La Plata S. S. Co	Marconi Co.
Dolphin	WAU	300, 600	PĞ	Alaska S. S. Co	Vessel owner.
Dolphin	NEQ	300, 600	PĞ	Government	U. S. Navy.
Dora	WAH	300, 600	PĞ	Alaska S. S Co	Vessel owner.
Dorchester	KQD	300, 600	PG	Merchants & Miners'	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—
, 1	Dorothy Bradford	KNA	300, 600	PR	Cape Cod S. S. Co., trustees.	Vessel owner.
1	Downes	NIN	300, 600	PG	Government	U. S. Navy.
	Drayton	NET	300, 600	PĞ	do	U.S. Navy.
-	Dubuque	ÑĒŪ	300, 600		do	U. S. Navy
	Duncan	NIR	300, 600	PG	do	U S. Navy.
	E-1	NXS	300, 600	PĞ	do	U. S. Navy.
	E-2	NXT	300, 600	PĞ	do	U. S. Navy.
	Eagle	NFC	300, 600	PĞ	do	U. S. Navy.
	Eastern States	WEE	300, 600	PĞ	Detroit & Cleveland Nav. Co.	Marconi Co.
]	Ecuador	WBN	300, 600		Pacific Mail S. S. Co.	
1	Edgar F. Lucken- bach.	KGK	300, 450, 530, 600.	PG	Luckenbach Co.	Vessel owner.
]	Edward L.Doheny.	WIE	300, 475, 600.	PG	Petroleum Transp.Co.	Marconi Co.
1	El Alba	KKL	300, 450, 600.	PG	Southern Pacific Co	Marconi Co.
1	Elcano	NFD	300,600	PG	Government	U. S. Navy.
	El Capitan	WNB	300, 600	PG	Standard Oil Co. of N. J.	Marconi Co.
1	El Cid	KKT	300, 600	PG	Southern Pacific Co	Marconi Co.
	El Dia	KKY	300, 450, 600.	PG	do	Marconi Co.
1	Ellington	NLN	300, 600	0	Government	U. S. Dept.
1	El Mundo	KKU	300, 600	PG	Southern Pacific Co	Marconi Co.
	El Norte	KKN	300, 450, 600.	PG	do	Marconi Co.
1	El Occidente	KKX	300,600	PG	do	Marconi Co.
	El Oriente	KKV	300. 450, 600.	PG	do	Marconi Co.
1	El Rio	KKZ	300,600	PG	do	Marconi Co.
	El Segundo	WTQ	300, 600	PG	Standard Oil Co. of Cal.	Marconi Co.
1	El Siglo	KKS	300, 600	•PG	Southern Pacific Co	Marconi Co.
	Ei 801	KKB	300, 450, 600.	PG	do	Marconi Co.
1	El Sud	KKQ	300, 450, 600.	PG	do	Marconi Co.
1	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			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	0	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—
F-1	NXU	300, 600	PG	Government	U. S. Navy.
F-2	NXV			do	
		300, 600	PG		U. S. Navy.
<u>F</u> –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	PĞ	do	U. S. Navy.
Favorite	WCF	300, 600	PG	Great Lakes Towing	Marconi Co.
Fearless	WRP	300, 600	PG	Co. Ship Owners' & Merchants' Tug Boat	Vessel owner.
Finland	KSF	300, 600	PG	Co. International Mercantile Marine Co. (Panama-Pacific	Marconi Co.
Florence Lucken- bach.	WNM	300, 600	PG	Line). 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.
				G. R. Hanify Co	Marconi Co.
Francis Hanify	KRA	300,600	PG		
Frank H. Buck	WTO	300, 600	PG	Associated Oil Co	Federal Tele graph Co.
Fred'k Lucken- bach.	KGV	300, 600	PG	Edgar F. Lucken- bach.	Marconi Co.
G-1	NXY	300,600	PG	Government	U. S. Navy.
G-2	NXZ	300, 600	PG	do	U. S. Navy.
Ğ-3	NYA	300,600	PĞ	do	U. S. Navy.
	NYB		PĞ	do	U. S. Navy.
G-4		300, 600			
Galatea	WGF	300, 600	PG	E. L. Ford	Marconi Co.
Galveston $\dots$	NGD	300, 600	PG	Government	
Gargoyle	KRK	300, 450, 600.	PG	Vacuum Oil Co	Marconi Co.
General A. M. Randol.	WYJ	400	0	Government	U. S. Army.
General E. O. C. Ord.	WYF	600	0	do	U. S. Army.
General George H. Weeks.	WZT	1200	0	do	U. S. Army.
General G. W. Getty.	WYS	1200	0	do	U. S. Army.
General Harvey Brown.	WYK	400	0	do	U. S. Army.
General Henry J. Hunt.	WYD	600	0	do	
General Henry Knox.	WYE	600	0	do	U. S. Army.
General J. M. Brannan.	wzv	1200	0	do	U. S. Army.
General John M. Schofield.	wxw	600	0	do	U. S. Army.
General Nathanael Greene.	WZR	1200	0	do	U. S. Army.
General R. B. Ayres.	WYL	600	0	do	U. S. Army.
General R. H. Jackson.	WYW	400	0	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	WYY	1200	0	Government	U. S. Army.
General R. N. Batchelder.	WZW	1200	0	do	U. S. Army.
General Robert Anderson.	WYH	400	O	do	U. S. Army.
General Robert Swartout.	WYU	400:	0	do	U. S. Army.
General Royal T. Frank.	WYA	600	0	do	U. S. Army.
General S. B. Holabird.	WYV	400	0	do	U. S. Army.
General S. N. Mills. General Timothy	WYB WZQ	600 1200	0	do	U. S. Army. U. S. Army.
Pickering. George E. Paddle-	WIV	300, 450,	PG	Petroleum Transp.	Marconi Co.
ford. Geo. W. Elder	WRT	600. 300, 600.	PG	Co. North Pacific S. S.	Marconi Co .
				Co.	
Georgia	KUR.	300, 450, 600.	PG	Texas Co	Marconi Co.
Georgia	WFA NGF	300, 600. 300, 600.	PG PG	Goodrich Transit Co. Government	Marconi Co. U. S. Navy.
Georgian	WKG	300, 600	PĞ	American-Hawaiian S. S. Co.	Marconi Co.
Georgiana	KJE	300, 600			Marconi Co.
Gettysburg	WCK	300, 600		Moore & McCormick Co. (Inc.).	
GlacierGlenpool	NGH KOH	300, 600 300, 450, 600.		Government Standard Oil Co. of N. J.	U. S. Navy. Vessel owner.
Gloucester	KQG	300, 450, 600.	PG	Merchants & Miners' Transp. Co.	Marconi Co.
Gloucester	NSL	300, 600		Government	
Goldsborough Gold Shell	NGJ WIB	300, 600 300, 450,	PG PG	Gold Shell S. S. Co	U. S. Navy. 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 Great Northern	WSF WIR	300, 600 300, 450,	PG PG	Grace Dollar S. S. Co. Great Northern Pa- cific S. S. Co.	Marconi Co. Marconi Co.
Grecian	KQR	600. 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-	Vessel owner.
Gulfcoast	KUE	300, 600	PG	graph Co. Gulf Refining Co	Marconi Co.
Gulflight	KUA	300, 600.	PĞ	do	Marconi Co.
Gulfoil	KTG	300, 600	PĞ	do	Marconi Co.
Gulfstream	KTB	300, 600 . I		l <b>. d</b> o	

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

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
H-1	NYC	300, 600	PG	Government	U. S. Navy.
<b>H-</b> 2	NYD	300, 600	PG	do	U. S. Navy.
H-3	NYE	300, 600	PG	do	U. S. Navy.
Halcyon	KZL	300, 425,	P	Dutee W. Flint	
Hamilton	KOA	600. 300, 450, 600.	PG.	Old Dominion S. S.	Marconi Co.
Hancock	NHI	300, 600	PG	Government	U. S. Navy.
Hannibal	NGU KGX	300, 600 300, 450,	PG PG	do Edgar F. Luckenbach	U. S. Navy. Marconi Co.
Harvard	WRH	600. 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	<b>300,</b> <i>600</i>	•••••	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	
Henry M. Flagler	KOX	300, 600	PĞ	Florida East Coast Ry.	
Henry T. Scott	WRA	300, 600,	PĞ	California S. S. Co	
Henry Wilson	WZS	1200.	ŏ	Government	U. S. Army.
Herbert G. Wylie	WIF	300, 600	PG	Petroleum Transport	Marconi Co.
Hercules	WRP	<b>300</b> , <i>600</i>	PG	Co. Ship Owners' & Merchants' Tug Boat Co.	Vessel owner.
Heredia	KDH	<b>300,</b> <i>600</i>	PG	Heredia S. S. Corp	dio Tele-
Herman Frasch	KFH	<b>300,</b> <i>600</i>	PG	Union Sulphur Co	graph Co. Atlantic Com- munication Co.
Hermosa	WBP	300, 500, 600.	PR	Wilmington Transp.	Marconi Co.
Hewitt H. H. Rogers	KIL KSI	300, 600 300, 450, 600.	PG PG	Union Suplhur Co Standard Oil Co. of N. J.	Vessel owner. Marconi Co.
Hilonian	WMM	300,600	PG	Matson Nav. Co	Marconi Co.
Hiram B. Everest	KRS	300,600	PĞ	Vacuum Oil Co	
Holland	WDW	300, 600	PĞ	Graham & Morton Transp. Co.	
Honolulan	WKH	300, 600	PG	American-Hawaiian S. S. Co.	Marconi Co.
Hopkins Howard	NHC KQH	300, 600 300, 450,	PG PG	Government Merchants & Miners'	U.S. Navy. Marconi Co.
Howick Hall	KLT	600. 300,600	PG	Transp. Co. U. S. Steel Products	Marconi Co.
ш.,11	NHE	200 600	PG	Co.	II S Name
Hull	NHE WHX	300,600	_ ~	Government	U. S. Navy. Marconi Co.

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

Vessel.	Call signal.	Wave lengths.	Berv- ice.	Owner of vessel (line).	Station controlled by—
Huron	кун	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	PĞ	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		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, <i>600</i> , 1800.	PG	Associated Oil Co	Federal Tele- graph Co.
Jacob Jones	NKG	300,600		Government	U.S. Navy
Jamestown	KOC	300, 450, 600.	PG	Old Dominion S. S.	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	,
Jefferson	KOD	300, 600	PG	Nav. Co. Old Dominion S. S.	Marconi Co.
Jefferson	WAJ	300,600	PG	Co. Alaska 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	PĞ	John A. Hooper Co.	Marconi Co.
John D. Archbold.	KTK	300, 600	PĞ	Standard Oil Co. of N. J.	Marconi Co.
John D. Rockefeller.	кто	300, 600	PG	do	Marconi Co.
Joseph Henry	WXT	600	0	Government	U. S. Army.
Josephine Joseph Pulitzer	KZU WPZ	300, 450,	PG	Joseph Widener Port of Portland,	Vessel owner.
Tourset	MII	525, 600.	PO	Oreg.	77 0 37
Jouett Juniata	NIE KQJ	300, 600 300, 450,	PG PG	Government Merchants & Miners'	U. S. Navy. Marconi Co.
Juniata	<b>WCB</b>	600. 300, 600.	PG	Transp. Co. Erie & Western	Marconi Co.
				Transp. Co (An- chor Line).	

	Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlle by—
1	Jupiter	NNC	300,600	PG	Government	U. S. Navy.
		NNJ		PĞ		U. S. Navy.
	ustin		300,600		do	
	K-1	NYF	300,600	PG	Government	U.S. Navy.
]	K-2	NYG	300,600	PG	do	U.S. Navy.
i	K-3	NYH	300,600	PG	do	U.S. Navy.
		NYI				
	K-4		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.
j	Kansan	WKK	300, 600	PG	American-Hawaiian S. S. Co.	Vessel owne
	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	Marconi Co.
	Kentuckian	WKE	300, 600	PG	Co. American-Hawaiian	Vessel owne
					S. S. Co.	
	Kentucky	NIQ	300, 600	PG	Government	U.S. Navy.
	Kershaw	KQK	300, 450, 600.	PG	Merchants & Miners' Transp. Co.	Marconi Co.
•	[7:14-i-1-	WXD	600	PG	Government	TT C A
	Kilpatrick					U. S. Army.
	Klamath	WSX	300, 600	PG	Klamath S. S. Co	Marconi Co.
	Korea	WWK	300,600	PG	Atlantic Transport	Marconi Co.
	Kroonland	KSH	300, 600	PG	International Mercan- tile Marine Co. (Pan-	
	Kukui	NLF	300, 600	О	ama-Pacific Line). Government	U.S. Dept.
	Kvichak	WNS	300, 600	PG	Alaska Packers' Asso-	Commerce Vessel owne
,	La Brea	WON	300, 600,	PG	ciation. Union Oil Co	Federal Tel
	Lakeland	WDL	1800. 300, 600	PG	Port Huron & Du-	graph Co. Marconi Co.
		****		<b>D</b> G	luth S. S. Co.	36 . 0
	Lakeport	MDI	300, 600	PG	do	Marconi Co.
	Lakewood	WDK	300,600	PG	do	Marconi Co.
	Lampasas	KEP	300, 450,	PG	Mallory S. S. Co	Marconi Co.
		ATTATE	600.	DO	C	TT C M
	Lamson Lansing	WTC	300, 600	PG PG	Government Union S. S. Co	U. S. Navy. Federal Te
		TZED A	000 000	DO	Could De Cation Co	graph Co.
	Larimer	KTA	300, 600	PG	Gulf Refining Co	Marconi Co.
	Latouche	WAI	300, 600	PG	Alaska S. S. Co	
	Lawrence	NIY	300,600	PG	Government	U. S. Navy.
	Lebanon	NIZ	300, 600	PG	do	
	Lenape	KVL	300, 450,	PG	Clyde S. S. Co	
	•		600.			1000
	Leonidas	NNH	300, 600	PG	Government	U.S. Navy.
	Lewis Luckenbach.	WNH			Luckenbach Co.(Inc.)	Marconi Co.
	Lexington	KNB	300, 550,	PG	Colonial Nav. Co	Nat. Elec.8
	Lieut. Geo. M.	WYR	600. 400	0	Government	naling Co U.S. Army.
	Harris.					
	Ligonier	KTD	300, 600	PG	Gulf Refining Co	Marconi Co.
	Liscum	WXE	600	PG	Government	
	Logan	WXF	600	PG	do	
	LIVE GLESSON SON SON SON SON SON SON SON SON SON	AA NFT.		A U		
	Los Angeles	WOL	300, 600,	PG	Union Oil Co	Federal Te

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

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Louisiana	KUL	300, 450, 600,	PG	The Texas Co	Marconi Co.
L. Roscoe	NJB NZX	300, 600 300, 600, 750.	PG O	Government	U. S. Navy. Alaskan Engi- n e e r i n g C o m m i s - sion.
Lurline	WML	300, 450, 600.	PG	Matson Nav. Co	Marconi Co.
Lydonia	WDY WTL	300, 600 300, 600, 1800.	PG PG	W. A. Lydon Union Oil Co	Federal Tele- graph Co.
Lysistrata Macdonough Machias	KYL NJH NQL	300, 600 300, 600 300, 600	PG PG PG	James G. Bennett Governmentdo	Vessel owner. U. S. Navy. U. S. Navy.
Mackinaw	WHW KFC	300, 600	PG	George & James Flood. Barber & Co. (Inc.)	Vessel owner.
Macona	KOG	300, 450, 600. 300, 450,	PG	Old Dominion S. S.	Marconi Co.
Maine	KXD	600. 300, 450, 500, 550,	PG	Co.  New England S. S.  Co.	Nat. Elec. Sig.
Maine	NJL WYQ	600. 300, 600 1200	PG O	Governmentdodo	
Major Evan Thomas.	WYO	300	0	do	U. S. Army.
Major Samuel Ringgold.	WYC	300	0	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 Manoa	NRN WMQ	300, 600 300, 450, 600.	PG PG	Government Matson Nav. Co	U. S. C. G. Marconi Co.
Maracaibo	KDM	300, 450, 600.	PG	Atlantic & Caribbean Steam Nav. Co. (Red D Line).	Marconi Co.
Marblehead	NGK NJQ WEW	300, 600 300, 600 300, 425, 540, 600.	PG PR	GovernmentdoMarquette & Bessemer Dock & Nav. Co.	U. S. Navy. Vessel owner.
Marquette & Bes- semer No. 2.	WEX	300, 425, 540,600.	PR	do	Vessel owner.
MarsMarylandMascotte	NJR NJS KOW	300, 600 300, 600 300, 600	PG. PG PG	Governmentdo	
Massachusetts Massachusetts Matinicock	KJM NJT KID	300, 600 300, 600 300, 600	PG PG PG	dental S. S. Co. Eastern S. S. Corp Government Standard Oil Co. of	Marconi Co. U. S. Navy. Marconi Co.
Matsonia	WMP	300, 450,	PG	N. J. Matson Nav. Co	Marconi Co.
Maverick	WTW	600.		Standard Oil Co. of Cal.	

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Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Mayfower	NJV	300, 600	PG	Government	U. S. Navy.
Mayflower			PG		
Mayrant	NJU	300, 600		do	U. S. Navy.
McCall	NJW	300, 600	PG	do	U. S. Navy.
McClellan	MXH	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	IX.M	600	PG	Government	U. S. Army.
Metapan	KLF	300, 600	PG	Metapan S. S. Corp	Tropica
wetapan	KLF	300, 800	10	Metapan S. S. Corp	Radio Tele
Marrian-	71.1.1	200 000	PG	American Hawaiian	graph Co. Vessel owner.
Mexican	WKL	300, 600		American-Hawaiian S. S. Co.	
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 & Occidental S. S. Co.	Marconi Co.
Miami	NRQ	300, <i>600</i> , 750.	PG	Government	U. S. C. G.
Michigan	NJZ	300, 600	PG	do	U. S. Navv.
Mielero	KNT	300,600	-1711	Cuba Distilling Co	Marconi Co.
Millinocket	KNM	300, 600	PG	A. H. Bull S. S. Co	Marconi Co.
Mills	KRR	300, 600	PG	Ogden Mills	Marconi Co.
Milwaukee	NFB	300, 600	PG	Government	U. S. Navy.
			PG		U. S. Navy.
Minneapolis Minnesota	NGB WEK	300, 600	PG	Lake Michigan	Marconi Co.
Minnesota	WMI	300, 600	PG	Transp. Co. 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	WKX	300, 600	PG	American-Hawaiian S. S. Co.	Vessel owner.
Mohawk	KVM	300, 450,	PG	Clyde S. S. Co	Marconi Co.
Mohawk	KXE	600. 300, 550, 600.	PG	New England S. S.	Nat. Elec.Sig naling Co.
Mohawk	KYU	300	P	Ralph E. Barry	Vessel owner.
	NRM		PG	Government	U. S. C. G.
Mohawk	KXM	300, 600 300, 550,	PG	New England S. S.	Nat. Elec. Sig
Momus	KKM	600. 300, 450, 600.	PG	Co. Southern Pacific Co	naling 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	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	Vessel owner.
4 TOHICAHAII	11 1511	500,000	10	S. S. Co.	Cooci on ha

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

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
New York	KSN	300, 600	PG	International Mercantile Marine Co. (American Line).	Marconi Co.
New York New York	NCC KUW	300, <i>600</i> 300, 450,	PG PG	Government The Texas Co	U. S. Navy. Marconi Co.
Niagara	KYN	600. 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 Norman Bridge	KYO WIG	300,600	PG PG	Vincent Astor   Petroleum Transp.	Marconi Co. Marconi Co.
Morman Dridge		300, 600		Co.	Marcom 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 Norwood	KYB WSG	300. 300, 450,	PG	Charles Martin Clark.   Pacific - American	Vessel owner.
		525, 600.		Fisheries Co.	
Nueces Nushagak	WNE	300, 600 300, 400, 500, 600.	PG PG	Mallory S. S. Co Alaska Packers' Association.	Marconi Co. Vessel owner.
O'Brien	NIV	300, 600	PG	Government	U. S. Navy.
Octorara	WCD	300, 600	PG	Erie & Western Transp. Co. (An- chor Line).	Marconi Co.
Ohio	NMW	300, 600	PG	Government	U. S. Navy.
Ohioan	WKQ	300, 600	PĞ	American-Hawaiian S. S. Co.	Vessel owner.
Old Colony	KJO	300, 600	PG	Eastern S. S. Corp	Marconi Co.
Oleum	WTD	300, <i>600</i> , 1800.	PG	Union Oil Co	Federal Tele- graph Co.
Olivette	KOV	300, 450, 600.	PG	Peninsular & Occidental S. S. Co.	Marconi Co.
Onega	KGU	300, 600	PG	Barber & Co. (Inc.).	
Oneida	KYP	300, 550, 600.	P	E. C. Benedict	Vessel owner.
Oneonta	WPX	300, 600	PG	Port of Portland, Oreg.	Marconi Co.
Onondaga	NRO	300, 600, 750.	PG	Government	U. S. C. G.
Ontario	KQO	300,600	PG	Merchants & Miners'	Marconi Co.
Ontario	NTA	300, 600	PG	Transp. Co. Government	U. S. Navy.
Oregon	NMZ	300, 600	PĞ	do	U. S. Navy.
Oregon	WOU	300, 600		Crowley Launch &	Marconi Co.
Oregonian	wko	300, 600	PG	Tugboat Co. American-Hawaiian S. S. Co.	Vessel owner.
Orion	NOC	300, 600	PG	Government	U. S. Navy.
Orleanian	KON	300, 600	PĞ	R. Lawrence Smith	Marconi Co.
		1		(Inc.).	1

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, <i>600</i> , 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	кйн	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	KTT	300,600	PG	Sun (%	Marconi Co.
Paraiso	WRI	300, 600	PG	Craig Shipbuilding	Marconi Co.
Parismina	KDG	300,600	PG	Parismina S. S. Corp.	Tropical Radio Telegraph Co.
Parker	NIX KLA	300, 600 300, 600	PG PG	Government	U.S. Navy. Tropical Ra- dio Tele-
<b>.</b> .					graph Co.
Patapeco	NOL	800 300, <i>600</i>	o	Governmentdodo	U.S. Navy. U.S. Dept. of
Patterson	NLH	300, 600	o	do	Commerce. U. S. Dept. of
Dattoman	NOK	200 600	PG	do	U. S. Navy.
Patterson	NOM	300, 600	PG	do	U. S. Navy.
Patuxent		300, 600	PG	do	U. S. Navy.
Paul Israe	NOM NOP	300, 600	PG	do	U.S. Navy.
Paul Jones	WIC	300,600	10	Pearl Shell S. S. Co	Marconi Co.
Pearl Shell	WWI	300, 600	PG	Pacific Mail S. S. Co.	Marconi Co.
Pennsylvania Pennsylvanian	WKP	300, 600	PG	American-Hawaiian S. S. Co.	Vessel owner.
Passis	NOW	200 600	PG	Government	U. S. Navy.
Pequonnock	KXP	300, 600 300, 550,	PG	New England S. S.	Nat. Elec. Sig- naling Co.
Pere Marquette	WDA	300, 600	PG	Pere Marquette R. R. Co.	Marconi Co.
Pere Marquette 17. Pere Marquette 18	WDC WDD	300, 600 300, 500,	PG PG	do	Marconi Co. Marconi Co.
Pere Marquette 19	WDB	300, 500,	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 Petoskey	WDH WWJ	300, 600 300, 600	PG PG	Pacific Mail S. S. Co Chicago & South Haven S. S. Co.	Marconi Co. Marconi Co.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
PetrelPetrolite	NOZ KIF	300, 600 300, 425,	PG PG	Government Standard Oil Co. of	U. S. Navy. Vessel owner.
Philadelphia	KDA	600. 300, 450, 600.	PG	N. J. Atlantic & Carib- bean Steam Nav.	Marconi Co.
Philadelphia	KSM	300, 600	PG	Co. (Red D Line). International Mer- cantile Marine Co.	Marconi Co.
Pioneer	KJG	300, 600	PG	(American Line). Standard Oil Co. of N. J.	Vessel owner.
Pioneer	WPN	300,600	PG	Puget Sound Tug Boat Co.	Vessel owner.
Pittsburgh Platuria	NOT KSE	300, 600 300, 600	PG PG	Government Standard Oil Co. of N. J.	U. S. Navy. Marconi Co.
Pleiades	WNP	300, 600	PG	Edgar F. Lucken- bach.	Marconi Co.
Plymouth	KXH	300, 550, 600.	PG	New England S. S.	Nat. Elec. Sig- naling Co.
Polarine	KOI	300, 450, 600.	PG	Standard Oil Co. of N. J.	Vessel owner.
Pompey Ponce	NQF KGP	300, 600 300, 450, 600.	PG PG	Government New York & Porto Rico S. S. Co.	U. S. Navy. Marconi Co.
Portland Potomac.: Powhatan	WNV NQK KQY	300, 600 300, 600 300, 450, 600.	PG PG PG	Nyno Line (Inc.) Government Merchants & Miners' Transp. Co.	Vessel owner. U. S. Navy. Marconi Co.
PrairiePreblePresident	NQM NQN WGP	300, 600 300, 600 300, 600	PG PG PG	Governmentdo	U. S. Navy. U. S. Navy. Marconi Co.
Preston Princess Anne	NQO KOB	300, 600 300, 450, 600,	PG PG	Co. Government Old Dominion S. S. Co.	U. S. Navy. Marconi Co.
Princeton	KST	300,600	PG	Standard Oil Co. of N. J.	Marconi Co.
Princeton Priscilla	NQP KXI	300, 600 300, 550, 600.	PG PG	Government New England S. S. Co.	U. S. Navy. Nat. Elec. Sig- naling Co.
Prometheus Proteus	NQR KKP	300, 600 300, 450, 600.	PG PG	Government Southern Pacific Co	U. S. Navy. Marconi Co.
Proteus Providence	NNG K <b>XJ</b>	300, 600 300, 550, 600.	PG PG	Government New England S. S. Co.	U. S. Navy. 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 Radiant	WGX KTR	300, 600 300, 600	PG PG	Pacific Coast S. S. Co. Standard Transporta- tion Co.	Marconi Co. Marconi Co.
RainbowRaleighRangerRavalli	NTD NTE NFU WGI	300, 600 300, 600 300, 600	PG PG PG PG	GovernmentdododoPaçific Coast S. S. Co.	U. S. Navy. U. S. Navy. U. S. Navy. 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	MexicanTelegraphCo.	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	0	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.
Reuce	WSR	300, 525, 600.	PG	Columbia River Packers' Assn.	Vessel owner.
Rhode Island	NTX	300, 600	PG	Government	U. S. Navy.
Richard	WLG KXR	300,600	PG	Richard Hulett&Son. New England S. S. Co.	Not Plea Sia
Richard Pock	KAK	300, 450 500, 550, 600.	14	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 KZN	300, 600 300, 450,	PG PG	Mallory S. S. Co State of Florida	Marconi Co. Vessel owner.
Rochester	KDY	600. 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	0	do	U.S. Dept. of
Rose City	wwr	300, 600	PG	San Francisco & Portland S. S. Co.	Commerce. Marconi Co.
Royal Arrow	KSW	300, 450,	PG	Standard Transp. Co.	Marconi Co.
Sabine	KEB	600. 300, 450, 600.	PG	Mallory S. S. Co	Marconi Co.
Sacramento	NQV	300,600	PG	Government	U. S. Navy.
Salem	NŤP	300, 600	PG	do	U. S. Navy.
Samson	WQS	300,600	PG	Columbia Contract	Vessel owner.
San Francisco	KRT	300, 600	PG	Co. U. S. Steel Products Co.	Marconi Co.
San Francisco	NTQ	300, 600	PG	Government	U. S. Navy.
San Jacinto	KEŠ	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,	PG	New York & Porto	Marconi Co.
San Juan	wwm	600.	PG	Rico S. S. Co. Pacific Mail S. S. Co.	Margari Ca
San Marcos	KEK	300, 600 300, 600	PG	Mallory S. S. Co	Marconi Co.   Marconi Co.
San Mateo	KLV	300, 600	PG	San Mateo S. S. Corp.	Tropical Ra-
					dio Tele-
~ <b>~</b>	******				graph Co.
San Ramon	WNW	300, 600	PG	Parr-McCormick S.	Marconi Co.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	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.	PĠ	Atlantic & Pacific S. S. Co.	Marconi Co.
Santa Catalina	WBC	<b>300</b> , <i>600</i>	PG	do	Marconi Co.
Santa Cecilia	WBB	300, 600	PG	do	Marconi Co.
Santa Clara	WBA	<b>300</b> , <i>600</i>	PG	do	Marconi Co.
Santa Cruz	WBD	300, 600	PG	<b>d</b> o	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	PĞ	U. S. Steel Products	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 Radio Tele-
Saratoga	KWS	300, 450,	PG	N. Y. & Cuba Mail	graph Co. Marconi Co.
		600.		S. S. Co. (Ward Line).	
Saratoga	NTR	300, 600	PG	Government	U. S. Navv.
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	PĞ	Government	U. S. Navy.
Sayonara	KYJ	300, 600	10	A. J. Drexel:	Vessel owner.
Scorpion	NTT	300, 600	PG	Government	U. S. Navy.
Sea Rover	WRP	300, 600	PĞ	Ship Owners' & Mer- chants' Tug Boat	Vessel owner.
Security	KSJ ·	300, 600	PG	Co. 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	PĞ	Government	U. S. C. G.
Senator	WGS	300, 600	PĞ	Pacific Coast Co	Marconi Co.
Senator Bailey	KĞŠ	300, 450, 600.	PĞ	Gulf Refining Co	Marconi Co.
Seneca	NRE	300, <i>600</i> , 750.	PG	Government	U. S. C. G.
Seward	WAV	300, 600	PG	Alaska S. S. Co	Vessel owner.
Shenango	KTC	300, 600	PĞ	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
Sibiria	KVS	300, 600	PG	Bay S. S. Co. Of	Co. Marconi Co.
1				America (Ltd.).	
Sierra	WHJ	300, 600,	PG	Oceanic S. S. Co	Federal Tele-

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

Vessel.	Call signal.	Wave lengths.	Serv- ice.	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.
8. 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 Com- munication 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 Tele- graph 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. Oreg. Transp. Co.).	Marconi Co.
Spokane	WGE	300, 600	PG	Pacific Coast Co	Marconi Co.
Sprigg Carroll	WZU	1200	0	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	PĞ	do	U. S. Navy.
St. Francis	WHH	300, 600	PĞ	Alaska Fishermen's Packing Co.	Vessel owner.
St. Louis	KSL	300, 600	PG	International Mer- cantile Marine Co. (American Line).	Marconi Co.
St. Louis	NTF	300, 600	PG	Government	U. S. Navy.
St. Nicholas	WSS	300, 600	PĞ	Columbia River Packers' Associa-	Vessel owner.
		1		tion.	
St. Paul	KSO	300, 600	PG	International Mer- cantile Marine Co.	Marconi Co.
Stranger	NSR	300, 600		(American Line).	
MILATIVEE	NOK	1 3UU. 000.		Government	

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Sumner	WXL	600	PG	Government	U. S. Army.
Sun	KTU	300, 600	PĞ	Sun Co	Marconi Co.
				Standard Oil Co. of	
Sunlite	KPQ	300, 600	PG	N. J.	Marconi Co.
Supply	NTK	300, 600	PG	Government	U. S. Navy.
Suriname	KLI	300, 600	PG	Suriname S. S. Corp	Tropical Ra-
				-	dio Tele
_					graph Co.
Suruga	KGD	300, 450, 600.	PG	Barber & Co	Marconi Co.
Suwannee	KQZ	300, 450.	PG	Merchants & Miners'	Marconi Co.
		600.		Transp. 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,	PĞ	do	U. S. C. G.
Tallapooda	11101	750, 1000.	- 4		0. b. c. d.
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.	dio Tele
σ	<b></b>		Da		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	Vessel owner
Texas	KUM	300, 450, 600.	PG	S. S. Co. The Texas Co	Marconi Co.
Texas	NCD	300,600	PG	Government	U. S. Navy.
The Harvester	WCR	300, 600	PĞ	Wisconsin Steel Co	Marconi Co.
The Limit	WCV		PĞ	Whitney Bros. Co	Marconi Co.
		300,600			
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
A.1				- I	dio Tele-
m 1. 1.	TEMPT	000 000	TO C	0	graph Co.
<u>T</u> oledo	KTV	300,600	PG	Sun Co	Marconi Co.
Tonopah	NUN	<b>300,</b> 600	PG	Government	U.S. Navy.
Topila	KKE	300, 600	PG	Southern Pacific Co	Marconi Co.
Tormenter	KFN	300, 600	•••••	Freeport & Tampico Fuel Oil Transp. Co.	Marconi Co.
Trinidadian	KNO	300, 600	PG	Gulf Refining Co	Marconi Co.
Trippe	NUQ	300, 600	PĞ	Government	U. S. Navy.
Truxton	NUS	300, 600	PĞ	do	U. S. Navy.
Turrialba	KDT	300, 600	PG	Turrialba S. S. Corp.	Tropical Ra
					dio Tele-
			700	١	graph Co.
Tuecarora	NPT.	300 600	Pi	(invernment	1 1 8 4 45
Tuscarora	NRL KPO	300, 600 300, 600	PG PG	Government Standard Oil Co. of	U. S. C. G. Marconi Co.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	Owner of vessel (line).	Station controlled by—
Гуее	WPC	300, 600	PG	Puget Sound Tug Boat Co.	Vessel owner.
Ulysses	KPU	300, 600		Panama Canal	
Umatilla	WGU	300,600	PG	Pacific Coast S. S. Co.	Marconi Co.
Unalga	NRX	300, <i>600</i> , 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		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 ('o,	Marconi Co.
Vestal	NMC	300, 600	PG	Government	U. S. Navy.
Vesuvius	NVM	300, 600	PG	do	U. S. Navy.
	NVN		PG	do	U. S. Navy.
Vicksburg	WAD	300, 600	PG	Alaska S. S. Co	Vessel owner
Victoria Vigilancia	KWV	300, 600	PG	Gaston, Williams &	Marconi Co.
Vigilant	KPG	300, 600	PG	Wigmore. Clinchfield Nav. Co. (Inc.).	Marconi Co.
Villalahaa	NVP	200 600	PG	Government	U. S. Navy.
Villalobos Virginia	KFR	300, 600 300, 600	PG	Gaston, Williams &	Marconi Co.
V::-:-	WEU	200 000	PG	Wigmore S. S. Corp.	Margani Ca
Virginia	WFH	300,600		Goodrich Transit Co.	Marconi Co.
Virginia Virginian	NVR WKV	300, 600 300, 600	PG PG	American-Hawaiian	U. S. Navy. Vessel owner.
Vi	NSU	200 600		S. S. Co. Government	U. S. Navy.
Vixen	NVT	300,600	PG	do	U. S. Navy.
Vulcan	KYI	300, 600	PG	H. S. Harkness	Marconi Co.
Wakiva		300, 600	PG	~ .	U. S. Navy.
Walke	NWL	300,600	PG	Government	Marconi Co.
Wallula	WPY	300, 600	P	Port of Portland, Oreg.	Marconi Co.
Wana	KYX	300,600	PG	George C. Sherman.	Marconi Co.
Wapama	WMG	300, 600	PG	Wapama S. S. Co Government	U. S. Army.
Warren	WXN	600	PG	do	U. S. Navy.
Warrington	NWD	300, 600	PG	do	U. S. Navy.
Washington	NWE	300, 600	PG	do	U. S. Navy.
Wasp	NSV	300, 600	10	Alfred G. Vanderbilt.	U. D. Mavy.
Wayfarer W. B. Flint	KYW WHG	300, 600	PG	Alaska Fishermen's	Vessel owner
W. B. Keene	KWK	300, 600	PG	Packing Co. Hilton Dodge Transp.	Marconi Co.
Westoil	KJT	300, 600		Standard Oil Co. of	
Western States	WED	300, 450,	PG	N. J. Detroit & Cleveland	
Woot Vinci	NITTO	500, 600.	DC	Nav. Co.	U. S. Navy.
West Virginia Westwego	NWG KGE	300, 600 300, 450,	PG PG	Government Union Petroleum S.	Vessel owner.
	ATTETE	600.	PC	S. Co.	II & Nove
Wheeling	NWH	300, 600	PG	Government	U. S. Navy.
Whipple	NWI	300, 600	PG	do	U. S. Navy.
Whittier	WHT	300, 600,	PG	Union Transp. Co	Federal Tele
		1800.			graph Co.
Wico	KNN	300, 600	PG	Standard Oil Co. of	Marconi Co.

## 44 BUREAU OF NAVIGATION, DEPARTMENT OF COMMERCE.

Vessel.	Call signal.	Wave lengths.	Serv- ice.	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, <i>600</i> , 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	WPO	300,600	PG	Booth Fisheries Co	Vessel owner.
Zealandia	KNŘ	300, 600	PG	Fiske Trading Co	Nat. Elec. Sig- naling Co.
Zulia	KDZ	300, 450, 600.	PG	Atlantic & Carribbean 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 KDB	Philadelphiab Caracasb	KEN	
KDC KDD KDE	Douglas, Ariz	KEO KEP	Lampasasb
KDF KDG	Coppenameb Parisminab	KEQ	
KDH KDI	Herediab Abangarezb	KER KES KET	San Jacintob Bolinas, Calc
KDJ KDK	Atenasb	KEU	
KDL KDM	Maracaibob	KEV	
KDN		KEW KEX	Los Angeles, Calc
KDO KDP	Portland, Oregc	KEY KEZ KFA	Brazos. b City of Columbus. b
KDQ		KFB KFC	City of Atlantab Maconab
KDR KDS KDT	Sixoalab Turrialbab	KFD KFE	City of Memphisb
KDU	Juneau, Alaskac	KFF	
KDV		KFG	
KDW KDX KDY KDZ	Bayamonb Rochesterb Zuliab	KFH KFI KFJ KFK	Herman Frasch
KEA KEB KEC	Sabineb Conchob	KFL KFM	
KED KEE	Nechesb	KFN KFO KFP	Tormenterb Buccaneerb Nacoocheeb
KEF KEG KEH KEI KEJ KEK	Rio Grande       b         Nueces       b         Medina       b         Alamo       b         San Marcos       b	KFQ KFR KFS KFT KFU KFV	Virginia b San Francisco, Cal c Tasco b Lents, Oreg c
KEL KEM	Comal b	KFW KFX	City of St. Louisb

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

Call signal.	Station.	Call signal.	Station.
KFY	City of Montgomery b	KHU	
KFZ	Inglewood, Calc	11110	
		KHV	
KGA KGB	Carolina b	KIIV	
KUD	Catonia	KHW	
KGC		KHX	Heeia Point, Hawaii
KGD	Surugab	111121	Trocks I cant, his wall
KGE	Westwego b	KHY	
KUL	Westwego		
KGF		KHZ	
		KIA	Ardmore
KGG		KIB	Muskogee
KGH	Hollister, Calc	KIC	Standard
KGI	Oakland, Cal	KID	Matinicock
KGJ	San Juan b	KIE	Koko Head, Hawaii
KGK	Edgar F. Luckenbach b	KIF	Petrolite
KGL	Dochrab	KIG	Pioneer
KGM	Morrisons b	KIH	Corning
	Mexicanob	KII	Evangeline
KGN KGO	Albina, Oreg	Kij	Acme
KGP	Underwood, Washc Ponceb	KIK	Atlantic
ZG1	Tonce	KIL	Hewitt
KGQ		1112	
KGŘ	Atlantab	KIM	
KGS	Senator Baileyb		122222222222222222222222
KGT	J. L. Luckenbachb	KIN	
KĞÜ	Onegab		
KGV	Fred'k Luckenbachb	KIO	
KGW	D. N. Luckenbach b		
KGX	Harry Luckenbachb	KIP	
		KIQ	Astral
KGY		KIR	
KGZ		7770	
KHA	Larsen Bay, Alaskac	KIS	
KHB	Koggiung, Alaskac	KIT	
KHC	Chignik, Alaskac	KII	•••••
KHD		KIU	
	200000000000000000000000000000000000000	KIV	Iditarod, Alaska
KHE		KIW	Victor, Colo
KHF	Snag Point, Alaskac	KIX	Denver, Colo
KHG	Clarks Point, Alaska c	KIY	Colorado Springs, Colo
		KIZ	Brooks, Alaska
KHH		KJA	Jualin, Alaska
777		KJB	Bunker Hill
KHI	Value Hand Hamil		
KHJ	Koko Head, Hawaiic	KJC	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
KHK	Wahiawa, Hawaii	KJD	North Land
KHL		KJE	Georgiana
KHM	Lihue, Hawaiic	KJF	Carolinian
KHN	Kawaihae, Hawaii		l
КНО КНР		KJG	Eurana
KHP KHQ	Phoenix, Arizc	KJH	
rmA	I noema, Ama	KJI	Satsuma
KHR		KJJ	
KHS			
KHT	Naknek, Alaskac	KJK	I

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

Call signal.	Station.	Call signal.	Station.
KJL KJM	Massachusettsb	KLF KLG KLH	Metapanb Santa Martab Saramaccab
KJN KJO	Old Colonyb	KLI	Surinameb
KJP		KLJ KLK	Craster Hallb
KJQ	•••••	KLL KLM	Bantub
KJR	Rialto, Calc	KLN	Kentrab
KIS	North Starb	KLO	Santa Rosaliab
KJT KJU	Westoilb Bacoib	KLP	
KJV		KLQ KLR	Crofton Hallb
KJW		KLS KLT	Los Angeles, Cal
KJX		KLU	Charlton Hallb
KJY		KLV	San Mateob
KJZ		KLW	
KKA KKB	Antillesb El Solb	KLX	
KKC KKD	Chalmetteb	KLY	
KKE	Topilab	KLZ KMA	Alliançab
KKF	•••••	кмв	
KKG		KMC	Clincherb
KKH		KMD	Cristobalb
KKI		KME KMF	Egegak, Alaskac
KKJ		KMG KMH	Nushagak, Alaskac Panamab
KKK KKL	El Albab	KMI	Tivivesb
KKM	Momusb	KMJ	
KKN KKO	El Norteb	KMK KML	Naknek, Alaskac Alockanok River, Alaskac
KKP	Proteusb	KMM	Panucob
KKQ	El Sudb		I divine a suppose a suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the suppose of the
KKR KKS	Creoleb	KMN	
KKT	El Cidb	KMO	
KKU	El Mundob	KMP	Metha Nelsonc
KKV KKW	El Orienteb	KMQ	
KKX KKY	El Occidenteb	TMD	
KKZ	El Diab	KMR KMS	Anconb
KLA	Pastoresb	KMT	Hales Creek, Alaskac
KLB	Tenadoresb	KMU	Ugashik, Alaskac
KLC	Calamaresb	KMV	Advanceb
KLD KLE	Almiranteb	KMW KMX	Akutan, Alaskac
TLE	· Zacapa	MMA	. соющ

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

		1	
Call signal.	Station.	Call signal.	Station.
KMY		KOU	
773.677		KOV	Olivette
KMZ	Danaha Bas Idaal	KOW	Mascotte
KNA	Dorothy Bradfordb	KOX	Henry M. Flagler
KNB	Lexingtonb	77.032	
KNC	Concordb	KOY	Winni
KND	Beverlyb	KOZ	Miami
L ME		KPA	Seattle, Wash
KNE		KPB KPC	Ketchikan, Alaska
KNF		KPU	Astoria, Oreg
KNG	Bradfordb	****	
KNH	Brocktonb	KPD	***************************************
KNI	De Sotob	KPE	Seattle, Wash
KNJ	Sandy Hookb		
KNK	New Yorkb	KPF	
KNL	Nelson b	KPG	Vigilant
KNM	Millinocketb	KPH	Hillcrest, Cal
KNN	Wicob	KPI .	Avalon, Cal
KNO	Trinidadianb	KPJ	East San Pedro, Cal
KNP	Daytonb	KPK	Starlite
WIII	Daycon	KPL	Moonlite
KNQ		KPM	Eureka, Cal
KNŘ	Zealandiab	KPN	William O'Brien
KNS	Sucrosab	KPO	Twilite
KNT	Mielerob	KPP	Dawnlite
KNU	Currier b	KPQ	Sunlite
KNV	Cubadistb	KPR	Daylite
TETA A	Oubacist	KPS	Satellite
KNW		KPT	Achilles
KNX	Morenib	KPU	Ulysses
KNY		KPV KPW	Cape Cod
		KPX	Marshfield, Oreg
KNZ		KIA	Marsimerd, Oreg.
KOA	Hamiltonb	KPY	
KOB	Princess Anneb	KFI	
KOC '	Jamestownb	77707	Maria San Carlos
KOD	Jeffersonb	KPZ	
KOE	Communipawb		
KOF	Healdtonb	KQA	
KOG KOH	Madisonb		ľ
KOI	Glenpoolb Polarineb	KQB	
KOI	1 Glarine	KQC	Cretan
KOJ		KQD KQE	Dorchester
KOK			
KOL	Mount Hopeb	KQF	
KOM	Campanab	KQG	Gloucester
KON	Orleanianb	KQH	Howard
KÖÖ	Amazoniab	1	
KOP		KQI KQJ KQK	Juniata Kershaw
KOQ		TAIL	and the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of th
KOŘ	Navahoeb	KQL	
KOS	Brunswick b	ROM	Merrimack
TOD	DI UIISWICE	KON	Nantucket
кот		KQO	Ontario
		LWU	. OHOMIU

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

Call signal.	Station.	Call signal.	Station.
KQP		KSI	H. H. Rogers
T O	Constitution 1	KSJ	
KQQ	Quanticob		Security
KQR	Grecianb	KSK	Caddo
KQS	Somersetb	KSL	St. Louis
		KSM	Philadelphia
KQT		KSN	New York
		KSO	St. Paul
KQU		KSP	Caloria
	115000000000000000000000000000000000000	KSQ	Charles Pratt
KQV		KŠŘ	Bayway
		KSS	South San Francisco, Cal
KQW	Colored Constitution of the Color	KST	Princeton
	Bandan k	KSU	
KQX	Persianb		Somerset
KQY	Powhatanb	KSV	Standard Arrow
KQZ	Suwanneeb	KSW	Royal Arrow
KRA	Francis Hanifyb		
KRB	Governor Cobbb	KSX	
KRC	Camdenb		
KRD	Belfastb	KSY	1
KRE	Bay Stateb	100	
KILL	Day State	KSZ	
TDD	1		
KRF		KTA	Larimer
		KTB	Gulfstream
KRG		KTC	Shenango
KRH	City of Bangorb	KTD	Ligonier
KRI	City of Rocklandb	KTE	Winifred
KRJ	Reliefb	KTF	J. M. Guffey
KRK	Gargoyleb	KTG	Gulfoil
		KTH	Illinois
KRL	Market and the second of the	KTI	Brilliant
		KTJ	Comet
KRM		KTK	John D. Archbold
KRN	Calvin Austinb	KTL	D. Archoold
			Rayo
KRO	Bramell Pointb	KTM	Eocene
KRP	Rescueb	KTN	Perfection
		KTO	John D. Rockefeller
KRQ			I am the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second
KRR	Millsb	KTP	
KRS	Hiram B. Everestb	KTQ	City of Everett
KRT	San Franciscob	KTŘ	Radiant
		KTS	Vesta
KRU	1.	KTT	•Paraguav
KRV	Governor Dingleyb	KTU	
	Deals Hashes West		Sun
KRW	Roche Harbor, Washc	KTV	Toledo
		KTW	Delaware Sun
KRX		KTX	Socony
KRY		KTY	
KRZ		KTZ	Brindilla
KSA	Standard IIb	KUA	Gulflight
KSB	Motanob	ROA	
		TITO	1
KSC	Cushingb	KUB	
KSD	San Diego, Calc	*****	
KSE	Platuriab	KUC	•••••
KSF	Finlandb	V _ 1	
KSG	Baton Rougeb	KUD	
KSH	Kroonlandb	KUE	Gulfcoast

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

Call signal.	Station.	Call signal.	Station.
KUF KUG	Munplaceb	kvx	
KUH	Munwoodb	KVY	
KUI	Munamarb	KVZ	Relayb
KUJ	,	KWA	Buenaventurab
KUK	Munsomob	KWB	
KUL	Louisianab	KWC	Morro Castleb
KUM	Texasb	KWD	Antillab
KUN	Alabamab	KWE	Santiagob
KUO	Northwesternb	KWF	
KUP		KWG	Sommon
KUI	***************************************	KWH	Segurancah
KUQ		KWI	Camaguey
KUŘ	Georgiab	22112	Camagaey
KUS	Floridab	KWJ	
KUT	Pan Americanb	KWK	W. B. Keene
KUU	Brabantb		
KUV		KWL	
KUW	New Yorkb	KWM	
KUW	New Tork	KWN	Guantanamol
KUX		15.011	Guantananio
727732		KWO	
KUY		KWP	
KUZ			
KVA	Apacheb	KWQ	
KVB	Arapahoeb	KWR	Port Moller, Alaskal
KVC	Comancheb	KWS KWT	Saratoga
KVD			
KVE		KWU KWV	Vigilancial
KVF	Iroquoisb	77.11	Vigilalicia
KVG.	Algonquinb	KWW	
KVH	Huronb	KWX	Mexicol
		KWY	Monterey
KVI		KWZ	Esperanza
		KXA	Bostonl
KVJ		KXB	City of Lowelll
KVK	Cherokeeb	*****	
KVL	Lenapeb	KXC	
KVM	Mohawkb	KXD	Maine
KVN		KXE KXF	Mohawkl
KVO		KXG KXH	Plymouth
KVP		KXI	Priscilla
		KXJ	Providencel
KVQ KVŘ-	Sarniab	KXK	
KVS-	Sibiriab	KXL	City of Taunton
		KXM KXN	Mohegan
KVT			1
KVU		KXO	
KVV	Koggiung, Alaskac	KXP	Pequonnock
KVW		KXQ	Chester W. Chapin
4/ 1/11/		KXR	Richard Peck

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

	•		
Call signal.	Station.	Call signal.	Station.
KXS		KZH	
KXT KXU	Dadeb	KZI	
KXV		KZJ	
KXW.		KZK	~ · · · · · · · · · · · · · · · · · · ·
KXX		KZL KZM KZN	Halcyonb Guianab Roamerb
KXY		KZO	Twamer
KXZ	•••••	KZP	
KYA KYB	North Windb	KZQ	
KYC	Corsairb	KZŘ	Remlikb
KYD	Cyprusb	KZS	Santantab
KYE	Casianab		Cantaires
KYF		KZT	
KYG KYH	Wild Duck b	KZU	Josephineb
KYI KYJ KYK	Wakiva b Sayonara b Kismet b	KZV	
KYL	Lysistratab	KZW	
KYM KYN	Niagarab	KZX	
KYO KYP	Nomab Oneidab	KZY	
KYQ KYR	Californiab Karinab	KZZ	
KYS		NAA NAB	Washington, D. C
KYT	Vanadisb	NAC	Portland, Mec Portsmouth, N. Hc
KYŪ	Mohawkb	NAD	Boston, Massc
	110111111111111111111111111111111111111	NAE	North Truro, Massc
KYV		NAF	Newport, R. I
KYW	Wayfarerb	NAG	Fire Island, Long Island, N.Y.c
KYX	Wanab	NAH	New York (Brooklyn), N. Yc
1000		NAI	Philadelphia, Pac
KYY	•••••	NAJ NAK	Great Lakes, Illc Annapolis, Mdc
KYZ		NAL	Washington, D. C
KZA	Albertab	NAM	Norfolk, Vac
KZB	Aliciab	NAN NAO	Beaufort, N. C
KZC	Aztecb	NAP NAQ	St. Augustine, Flac Jupiter, Flac
KZD		NAR NAS	Key West, Flac Pensacola, Flac
KZE		NAT NAU	New Orleans, Lac San Juan, P. Rc
ĶZF		NAV NAW	Port Royal, S. C
		NAX	Colon, Panamac
KZG	1	NAY	Point Isabel, Tex

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

Call signal.	Station.	Call signal.	Station.
NAZ NBA	Darien, Panamac	NCK NCL	Bealeb
NBB	•••••	NCM NCN	Birmingham b
NBC	•••••	NCO	
NBD	••••••	NCP	
NBE		NCQ	
NBF		NCR	
NBG	Indianhead, Mdc		
NBH NBI	Ajaxb Alabamab	NCS	
NBJ NBK	Albanyb	NCT NCU NCV	Buffaloh Burrowsb
NBL	Alertb	NCW.	
NBM	••••••••••••	NCX	
NBN		NCY NCZ	Caesar
NBO NBP	Ammenb	NDA NDB	Castine
NBQ NBR	Annapolisb	NDC	
NBS		NDD	
NBT NBU NBV	Arethusa b Arkansas b	NDE NDF NDG NDH	Chester b Cheyenne b
NBW	•••••	NDI	Chicagob
NBX		NDJ	
NBY		NDK NDL	Cincinnatib
NBZ	••••••	NDM NDN	Cleveland
NCA	•••••	NDO	
NCB NCC NCD	New York b Texas b	NDP NDQ	Connecticutb
NCE NCF	Baileyb	NDR	
NCG		NDS	
NCH NCI	Baltimoreb	NDT NDU	Culgoab
NCJ		NDV	·

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

Call signal.	Station.	Call signal.	Station.
NDW		NFH	
NDX NDY	Cyclopsb	NFI	
NDZ	, yesepan	NFJ	
NEA		NFK	
NEB		NFL NFM	Fanningb
NEC		NFN	
NED		NFO	
NEE		NFP	
NEF		NFQ NFR	Floridab
NEG	•••••	NFS	Flusserb
NEH	••••	NFT NFU	Ranger b
NEI		NFV	
NEJ NEK	Delawareb	NFW	
NEL NEM NEN	Denverb Des Moinesb	NFX NFY	
NEO NEP NEQ	Dixieb Dolphinb	NFZ NGA NGB	Columbiab Minneapolisb
NER	•••••	NGC NGD	Galvestonb
NES NET NEU	Drsyton b Dubuque b	NGE NGF	Georgia b
NEV		NGG NGH	Glacierb
NEW		NGI NGJ	Chattanooga b Goldsborough b
NEX		NGK	Marbleheadb
NEY		NGL	
NEZ NFA NED	Brooklynb Milwaukeeb	NGM	
NFB NFC NFD NFE	Eagleb Blcanob Charleston.b	NGN NGO	
NFF	Charleson	NGP	• (
NFG		NGQ	

Call signal.	Station	Call signal.	Station.
NGR		NIF	
NGS		NIG	
NGT		NIH NII	AylwinBalch
NGU	Hannibalb	NIJ	Benham
NGV		NIK NIL	Cassin
NGW	1	NIM NIN	Cushing. Downes
NGX	Hectorb	NIO	Kansas.
NGY	Helenab	NIP	Kearsarge
NGZ		NIQ	Kentucky
NHA	Henleyb	NIŘ	Duncan
NHB		NIS	
NHC	Hopkinsb	NIT NIU	McDougal
NHD	Monadnockb	NIV	O'Brien
NHE	Hullb	NIW	Lamson
NHF	L	NIX	Parker
NHG	Amphitriteb	NIY	Lawrence
NHH	Ozarkb	NIZ NJA	Lebanon
NHI	Hancockb	NJB	Louisiana
NHJ		NJC	Decatur
NHK		NJD	,
NHL		NJE	
MHM		NJF	
NHN		NJG	
ОНИ	Illinoisb	NJH	Macdonough
NHP		NJI	
NHQ	Indianab	1401	
		NJJ	
NHR	***************************************	NJK	
NHS		NJL	Maine
NHT	Iowab		
NHU	Irisb	NJM	
NHV	Iroquoisb	NJN	
NHW		NJO	
XHN			
NHY		NJP NJQ	Marietta
<b></b>		NJR	Mars.
NHZ NLA	Bainbridgeb	NJS NJT	MarylandMassachusetts
NIA NIB	Jarvisb	NJU	Mayrant
.,,,,		NJV	Mayflower
NIC		NJW	McCall
NID	Jenkinsb	,,,	
NIE	Jouettb	NJX	I

Call signal.	Station.	Cull signal.	Station.
NJY		NLQ	Cape St. Elias, Alaskac
NJZ	Michiganb	NLR	Rooseveltb
NKA	•••••	NLS	•••••
NKB	•••••	NLT	
NKC NKD	Minnesotab	NLU	
NKE		NLV	•••••
NKF NKG	Missourib Jacob Jonesb	NLW	
NKH	SACON GOLDS	NLX	
		NLY	
NKI		NLZ	
NKJ		NMA NMB	Nebraskab Nerob
NKK NKL	Monaghan b	NMC	Vestalb
NKM NKN	Montanab Montereyb	NMD NME	New Hampshireb
NKO	Montgomery b	NMF NMG	New Jerseyb New Orleansb
NKP		NMH	Newportb
NKQ		NMI	
NKR		NMJ	
NKS		NMK	
nkt		NML	
nku	<b></b>	NMM NMN	North Carolinab
nkv		NMO	North Dakotab
nkw		NMP	
NKX	N. V. 20.	NMQ	
NKY NKZ	Nashvilleb Navajob	NMR	
NLA NLB	Nantucket Shoals Lightshipc Diamond Shoals Lightshipc	NMS	Neptuneb
NLC	Frying Pan Shoals Lightship.c	NMT	
NLD NLE	Relief Lightship 66 or 85b Relief Lightship 71 or 72b	NMU	
NLF	Kukuib Relief Lightship 94 or 53b		
NLG NLH	Relief Lightship 94 or 53b Pattersonb	NMV NMW	Ohiob
NLI NLJ	Explorerb Pathfinderb	NMX	
NLK	Bacheb		
NLL NLM	Columbineb	NMY NMZ	Oregonb
NLN	Ellingtonb	NNA	Brutusb
NLO	Heald Bank Lightshipc	NNB	Jasonb
NLP	Heald Bank Lightshipc	NNC	Jupiterb

Call signal.	Station.	Call signal.	Station.
NND		NOO	
NNE NNF	Nereusb	NOP NOQ	Paul Jones
NNG NNH	Proteusb Leonidasb	NOR	••••
NNI NNJ NNK	Justinb Nanshanb	NOS NOT	Pittsburgh
NNL		NOU	
NNM	Saturnb	NOV NOW	Peoriat
NNN		NOX NOY	Perkins
NNO		NOZ NPA	Petrelb Cordova, Alaskab
NNP		NPB NPC	Sitka, Alaska
NNQ		NPD NPE	Tatoosh, Wash
•		NPF	Cape Blanco, Oreg
NNR	••••••	NPG NPH	Yerba Buena, Cal
NNS	•••••	NPI NPJ	Farallons, Cal
NNT	•••••	NPK NPL	Point Árguello, Cal
NNU		NPM NPN	Pearl Harbor, Hawaii
NNV		NPO NPP	Cavite, P. I
NŃW		NPQ NPR	St. Paul, Pribilof Islds., Alasks. o Dutch Harbor, Alaska
NNX		NPS NPT	Kodiak, Alaska
NNY		NPU	Olongapo, P. I
NNZ NOA NOB	Osceolab Abarendab	NPV NPW	Eureka, Calc
NOC	Orionb	NPX	G. Come Bibliof Tolds
NOD		NPY	St. George, Pribilof Islds.,
NOE		NPZ	
MOR		NQA	
NOF NOG	Paducahb	NQB	
NOH		NQC	
NOI	Danah	NQD	
NOJ NOK NOL	Pantherb Pattersonb Patapecob	NQE .	Pompeyb
NOM NON	Patuxentb Pauldingb		

Call signal.	Station.	Call signal.	Station.
NQH		NSF	
NQI		NSG	
NQJ NQK	Isla de Luzonb Potomacb	NSH	
NQL NQM	Machiasb	NSI	
NQN NQO	Prestonb	NSJ	
NQP NQQ	Princetonb Monocacyb	NSK NSL	Yanktonb Gloucesterb
NOR NOS	Prometheusb Paloeb	NSM	
NQT	Pampangab	NSN	
NQU NQV	Sacramento b	NSO	
NQW		NSP	
NQX NQY	Yorktown b   Albatross b	NSQ NSR	Smith
	Albauross		
NQZ NRA	Algonquinb	NSS NST	Solaceb
NRB NRC	Bearb	NSU NSV	Vixenb Waspb
NRD	Androscogginb	NSW	South Carolinab
NRE NRF	Senecab	NSX	South Dakotab
NRG NRH	Greshamb	NSY	
NRI NRJ	Itaecab	NSZ NTA	Ontariob
NRK		NTB NTC	Sterrettb
NRL	Tuscarorab	NTD	Rainbow
NRM NRN	Mohawkb Manningb	NTE NTF	Raleighb
NRO	Onondagab	NTG	Sonoma
NRP NRQ	Apacheb Miamib	NTH	
NRR NRS	Pamlicob Seminoleb	NTI	
NRT	Thetisb	NTJ	
NRU NRV	Acushnetb Tallapoosab	NTK	Supplyh
NRW	Comancheb	NTL	Sylpht
NRX NRY	Unalgab Yamacrawb	NTM	
NRZ	New London, Connc	NTN	
NSA			
NSB		NTO NTP	Salem
NSC		NTQ NTR	San Francisco
NSD		NTS	
NSE	L	NTT NTU	Scorpion

Call signal.	Station.	Call signal.	, Station.
NTV		NVG	
NTW NTX	Rhode Islandb	NVH	
NTY	20000 100000	NVI	
NTZ NUA	Roeb Tacomab	NVJ NVK	Vermont
NUB NUC	Tallahasseeb	NVL NVM	Vesuvius
NUD		NVN	Vicksburg
NUE		NVO NVP	Villalobos
NUF NUG	Tennesseeb	NVQ NVR	Virginia
NUH NUI	Terryb	NVS NVT	FarragutVulcan
NUJ		NVU	
NUK		NVV	
NUL		NVW	
NUM NUN	Tonapahb	NVX	
NUO		NVY	
NUP		NVZ	
NUQ	Trippeb	NWA	
NUR NUS	Truxtonb	NWB NWC	
NUT		NWD NWE	Warrington
NUU		NWF	
NUV		NWG NWH	West Virginia.
NUW NUX	Sotoyomob	NWI	Whipple
NUY		NWJ NWK NWL	WilmingtonWalke
NUZ		NWM	Wisconsin
NVA		NWN	
NVB		NWO NWP	Worden
NVC		NWQ	Wyoming
NVD NVE	Utahb	NWR	
NVF	Uncasb	NWS	1

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

Call signal.	Station.	Call signal.	Station.
NZN		WBD	Santa Cruz
		WBE	Cacique
NZO		WBF	Boston, Mass
NZP		WBG WBH	Venezuela
NZF		WBI	Colombia
NZQ		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	train
		WBJ	Santa Barbara
NZR		WBK WBL	Breakwater
NZS		WBM	Buffalo, N. Y
120		WBN	Ecuador.
YZT		WBO	Nann Smith
TOTT	the second of the second of the second of	WBP	Hermosat
VZU		WBQ	
VZV		*****	
NZW NZX	Washington, D. Cc El Roscoeb	WBR WBS	Baltimore, Md
NZY	Anchorage, Alaskac	WBT.	Binghamton, N. Y
1221	Tracionago, Traciana	WBU	Hoboken, N. J.
NZZ		WBV	Cabrillo
WAA	Alamedab	WBW	Burrwood, La
WAB	Admiral Evansb	WBX	Dover, N.J
WAC WAD	Chicagob	WBY	
VAE	Admini Domonia	WBZ	me
WAF	Admiral Farragutb	WCA WCB	Tionestab
WAG		WCC	South Wellfleet, Mass
WAH	Dorab	WCD	Octorarab
WAI	Latoucheb		
WAJ	Jeffersonb	WCE	
WAK	Valdezb	WCF	Favoriteb
WAL	Santa Anab	WCG WCH	Brooklyn, N. Y
WAM		WCI	Newport, R. I
WAN	Northwesternb	., 02	
		WCJ	
WAO		WCK	Gettysburgb
WAP		WCL	Mooremackb
WAP		WCM WCN	Calumet, Mich
WAQ		11021	Moral Dand
VAR	Cordovab	wco	
WAS		WCP	
WAT		WCQ.	
WAU	Dolphinb	WCR	The Harvesterb
WAV	Sewardb		
WAW	Admiral Watsonb	WCS	
D7 A W	And the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second s	WCT	Theodore Rooseveltb
XAX	Admiral Downy	WCV	Conneautb The Limitb
WAY	Admiral Deweyb	WCV	
WAZ	Admiral Schleyb	WCW	Nokomisb
WBA	Santa Clarab	WCX	Cleveland, Ohio
WBB	Santa Ceciliab	WCY	Cape May, N. J.
WBC -	Santa Catalinab	WCZ	Illinoisb

signal.	Station.	Call signal.	Station.
WDA	Pere Marquetteb	WEU	
WDB	Pore Marquette 10	WEV	Connecut Harbon Ohia
	Pere Marquette 19b		Conneaut Harbor, Ohio
WDC	Pere Marquette 17b	WEW	Marquette & Bessemer No. 1.b
WDD	Pere Marquette 18b	WEX	Marquette & Bessemer No. 2.b
WDE	Pere Marquette 20b	WEY	Alvinab
		WEZ	Ashtabulab
WDF		WFA	Georgiab
	A TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA TANADA	WFB	Alabamah
WDG		WFC	Indianab
WDH	Petoskeyb	WFD	Nevadab
WDI	City of South Havenb	WFE	Carolinab
WDJ	Lakeportb		Calonina
WDK	Lakewoodb	WFF	
WDL	Lakelandb	WFG	Arizonab
WDM	Duluth, Minnc	WFH	Virginiab
WDN	Ann Arbor No. 3b	WFI	Chicagob
WDO	Ann Arbor No. 4b	WFJ	Christopher Columbusb
WDP	Ann Arbor No. 5b	WFK	Frankfort, Mich
WDQ	ha she periodal had been universed that	WFL	Michael Statement Statement of the
WDŘ	Detroit, Michc	WFM	Fort Morgan, Ala
WDS	City of Grand Panida	14 1 24	Tott Morgan, Ala
	City of Grand Rapidsb	MILENT	
WDT	City of St. Josephb	WFN	
WDU	Puritanb		
WDV	City of Benton Harborb	WFO	
WDW	Hollandb	WFP	City of Erieb
		WFQ	City of Buffalob
WDX		WFR	State of Ohiob
WDY	Lydoniab	WFS	Seeandbeeb
WDZ		WFT	
WEA	City of Cleveland IIIb		
WEB	City of Mackinac IIb	WFU	l
WEC	City of Detroit IIb		
WED	Western Statesb	WFV	
WEE			Manifest
	Eastern Statesb	WFW	Manitoub
WEF	City of Detroit IIIb	WFX	Missourib
WEG	City of St. Ignaceb	WFY	Sialiab
WEH	City of Alpena IIb	WFZ	
WEI		WGA	City of Seattleb
WEJ		· WGB	
WEK	Minnesotab	עטיי ן	
WEL	minnesota	WOO	
WEL		WGC	
	The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon	WGD	
WEM			
WEN	North Americanb	WGE	Spokaneh
WEO	South Americanb	WGF	Galateah
"120	South American	WGG	Tuckerton, N. J
WEP		WGH	Grand Haven, Mich
WEF	h	WGI	Ravallib
WEQ		WGJ	100000000000000000000000000000000000000
	1	WGK	Curaçãob
WER		WGV	Cmakao
	La company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the company of the com		
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WES		WGL	

Call signal.	Station.	Call signal.	Station.
WGN		WIM	Northern Pacificb
WGO	Chicago, Illc	WIN	Colusab
WGP	Presidentb	****	Corusa
		7777	
WGQ	City of Pueblab	WIO	<b></b>
WGR	Governorb		1
WGS	Senatorb	WIP	L
WGT	Congressb	*****	
WGU	Umatillab	7777.0	
WGV	Galveston, Texc	WIQ	
	G	WIR	Great Northernb
WGW		WIS	E. R. Sterlingb
WGX	Queenb	WIT	
WGY	City of Topekab	WIU	Restorerb
WGZ	Guardianb		Company D. Daddleford
WHA	Cape Hatteras (Buxton), N.C.c New York, N. Yc	WIV	George E. Paddlefordb
WHB	New York, N. Yc	WIW	J. N. Danzigerb
WHC	Columbiab	WIX	St. Petersburg, Flac
	001		-
WHD		WIY	1.30 0.00 0.00 0.00 0.00 0.00 0.00 0.00
WHE	Philadelphia, Pac	Wiz	Benton Harbor, Michc
WHE	r madeipma, ra	WJA	Gov. Forbesb
*******		WJA	Gov. Fordes
WHF		****	
WHG	W. B. Flintb	WJB	
WHH	St. Francesb		1
WHI	New York, N. Yc	WJC	
WHJ	Sierrab		
WHK	New Orleans, Lac	WJD	
WHL	Venturab		
WHM	Sonoma	WJE	
** 1177	Sonoma		
WHN		WJF	1
	1	1191	1
WHO	Colonb	WIG	
WHP	Mariposab	WJG	
$\mathbf{WHQ}$	Mackinac Island, Michc		
4		WJH	
WHR			
WHS	Adeline Smithb	WJI	
WHT	Whittierb		Pri A
	1	WJJ	
WHU	<b>.</b>	500	
		WJK	
WHV			
WHW	Mackinawb	WJL	
WHX	Humboldtb	"""	
WILK	Humboldt	WJM	
3071737	1	AA DIRT	• • • • • • • • • • • • • • • • • • • •
WHY	•••••	337737	1
		WJN	
WHZ			
WIA	Gold Shellb	MJO	
WIB	Silver Shellb		le .
WIC	Pearl Shellb	WJP	
WID	Charles E. Harwoodb		
WIE	Edward L. Dohenyb	WJQ	
WIF	Herbert G. Wylieb		
	Norman Bridgeb	WJR	
	C. A. Canfieldb	Mar	
WIG		77770	
WIH			
	Belmar, N. J	WJS	
WIH	Belmar, N. Jc		
WIH WII WIJ	Belmar, N. Jc	WJT	
WIH	Belmar, N. Jc		

Call signal.	Station.	Call signal.	Station.
MIA		WLQ	
WJW	Hoboken N I c	WLŘ	Floridianb
WJX	Hoboken, N. J	WLS	Arboreanb
WJY		WLT	
WJZ		WLU	
WKA WKB	Alaskanb Arizonanb	WLV	
WKC WKD	Californianb Dakotanb	WLW	
WKE WKF	Kentuckianb	WLX	
WKG	Georgianb		
WKH WKI	Honolulanb Isthmianb	WLY	·····
WKJ	Iowanb	WLZ	
WKK	Kansanb	WMA	Multnomahb
WKL	Mexicanb	WMB	Mobile, Ala
WKM WKN	Minnesotanb	MMC	Santa Ritab
WKO	Oregonianb	WMD	
WKP	Pennsylvanianb	WME	Milwaukee, Wis
WKQ	Ohioanb	WMF	Celilob
WKŘ	Panamanb	WMG	Wapamab
WKS	Columbianb		· upunu
WKT	Texanb	WMH	
WKU	Hawaiianb	WMI	Minnesotab
WKV	Virginianb	******	NIMITOO CO.
WKW	Artisanb	WMJ	
WKX	Missourianb	WMK	Hvadesb
WKY	Rockingham b	WML	Lurlineb
WKZ	Alamance b	WMM	Hilonianb
		WMN	Enterprise
WLA		WMO	Wilhelmina
		WMP	Matsonia
WLB		WMQ	Manoa
WLC	New London, Connc	Ĭ	
WLD	Ludington, Michc	WMR	
WLE		WMS	
WLF		WMT	1
WLG	Richardb	WMU	Anne Wb
WLH		WMV	4
WLI	Iaquab	WMW	Manitowoc, Wis
1077 -		WMX	Manistique, Mich
WLJ		WMY	Yucatant
WLK		WMZ	
WLL		WNA	El Capitan
WLM		WNB WNC	Carlos
WLN		WND WNE	Windberh Nushagakh
100		WNF	Hattie Luckenbach
MIO		WNG	
WLP		WNH	Lewis Luckenbach

Call signal.	Station.	Call signal.	Station.
WAI		Woz	
WNI		WUZ	• • • • • • • • • • • • • • • • • • • •
WNJ	Navajob		
WNK	Al-Kib	WPA	
WNL	Diamond Headb		10.0
	Florence Luckenbachb	WDD	
WNM		WPB	- <u>-</u>
WNN	Corwinb	WPC	Tyeeb
WNO	Pavlofb	WPD	Tyeeb Tampa, Flab
WNP	Pleiadesb	WPE	Tatooshb
** 111	1 Iclades	"12	1400001
WNQ		WPF	
		WPG	Goliahb
WAID		WPH	S. M. Fischer
WNR		WIT	S. M. FISCHER
WNS	Kvichakb		
WNT	New York, N. Yc	WPI	
WNU	New Orleans, Lac		
WNV	Portlandb	WPJ	L
		WIJ	
WNW	San Ramonb		
		WPK	
WNX		WPL	Seafarerb
			1
WNY		WPM	
		WPN	Pioneerb
WNZ			
WOA	Despatchb	WPO	
WOA	Despace	WIG	•••••
TIZO D		TUDD	
WOB		WPP	•••••••
		WPQ	Zaporab
WOC		WPŘ	Zaporab Ensenada, P. R
	1	WPS	Starrb
WAD			
WOD		WPT	Davenport, Iowa
		WPU	New Prague, Minn
WOE		, , , , , , , , , , , , , , , , , , ,	1
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WOF		WDW	
		WPW	
WOG		WPX	Oneontab
WOH	Expansionb	WPY	Wallulab
WOI	Akron, Ohioc	WPZ	Joseph Pulitzer h
"" ОТ	Tikion, Omo	WQA	Joseph Pulitzer
WOJ		11.67	1000 110. 1
WOK			1
	Detroit, Michc	WQB	
WOL	Los Angelesb	WQC	Caminob
WOM		WQD	L
WON	La Breab	42	
*****	La Dioa	WOD	
woo		WQE	
****			
WAD	A CONTRACTOR OF STREET	WQF	<b></b>
WOP			
		· WQG	
WOQ			
WOR	Californiab	WQH	
wos	Samsonb	M ATT	
		WQI	Costa Rica
WOT	Coalingab		
wou	Oregonb	107∩T	
WOV	Venetiab	MOI	
wŏw	Henry J. Biddleb		
*** • ***	Tomy v. Diaulo	WQK	
WOR		4.4	
wox		TT7.0.T	
WOY		WQL WQM	Navassa Isd., W. I

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

Call signal.	Station.	Call signal.	Station.
<b>W</b> QN		WRZ	
wQo		WSA	Ashtabula, Ohio
WQP	Canton, Ohioc	WSB	
WQQ		WSC	Siasconset, Mass
WQR		WSD	Seagate, N. Y
wQs	Speedwellb	WSF WSG	Grace Dollar
WQT	•••••		1101 WOOd
WQU		WSH WSI	Sault Ste. Marie, Mich
WQV	Mt. Vernon, Ohioc	WSJ WSK	John A. Hooper
<b>WQW</b>		WSL	Sayville, Long Island, N. Y.
WQX		WSM	
VQY	Yosemiteb	WSN WSO	Centralia
WQZ WRA	Henry T. Scottb	WSP	
WRB	Berlinb		
VRC	J. B. Stetson b	WSQ WSR	Reuce
VRD VRE	J. A. Moffettb	WSS WST	St. Nicholas
VRF		Wsu	
VRG	Passagrilla, Flac	WSV	Savannah, Ga
VRH VRI	Harvardb Paraisob	WSW WSX	Willamette
VRJ	Arolineb	WSY	Virginia Beach, Va
VRK		WSZ	
VRL		WTA WTB	Erskine M. Phelps
	72	WTC	Lansing
VR.M		. WTD WTE	Oleum
VRN		WTF	Santa Maria
VRO	Isle Royal, Michc Dauntlessb	WTG	Santa Rita
	Defianceb	WTH	
VRP	Fearlessb	WTI	Catania
	Sea Roverb	WTJ	
VRQ		WTK WTM	J. A. Chanslor
VRR		WTN WTO	Wm. F. Herrin Frank H. Buck
		WTP	Scranton, Pa
VRS		WTQ	El Segundo
RT	Geo. W. Elderb	WTR	Richmond
VRU	Port Arthur, Tex	WTS	Col. E. L. Drake
VRV	Allianceb	WTT	Atlas
VRW	r. A. KIIUIIII	WTU WTV	S. O. Co. No. 91
VRX		WTW	Maverick
VRY	Yaleb	WTX	Asuncion

Call signal,	Station.	Call signal.	Station.
WTY	S.O. C. No. O.	WWD	
	S. O. Co. No. 93b	WWD	
WTZ	S. O. Co. No. 95b	WWE	Manchuria
WUA	Fort Andrews, Massc	WWF	City of Para
WUB	Fort Hancock, N. Jc	WWG	City of Sydneyl
WUC	Fort H. G. Wright, N. Yc	WWH	Newportl
WUD	Fort Leavenworth, Kansc	wwi	Pennsylvania1
WUE	Fort Levett, Mec	WWJ	Peru
WUF	Fort Monroe, Vac	WWK	Korea
WUG	Fort Monroe, Vac	WWL	San Jose
• •	2 010 22022 00, 14,11111111111111111111111111111111	WWM	San Juan
WUH		WWN	Mongolia.
		AA AA TA	Mongona
WUI	Fort Riley, Kansc	TUTTO	
WUJ	Fort Sam Houston, Texc	wwo	
WUK	Fort Stevens, Oregc Fort Totten, N. Yc		
WUL	Fort Totten, N. Yc	WWP	
WUM	Fort Wood, N. Y	WWQ.	Aztec
WUN	Fort Worden, Washc	WWR	Rose City
WUO	Fort Winfield Scott, Calc	wws	Alaska
WUP	Washington, D. C c	******	1111020
WUQ.	Washington, D. C	WWT	
		** ** 1	
WUR	Fort Morgan, Alac	33733777	
wus	Fort Rosecrans, Calc	WWU	
WUT	Fort Caswell, N. Cc		
WUU	Fort Adams, R. Ic	wwv	
WUV	Fort Leavenworth, Kansc		THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE S
WUW	Fort Terry, N. Yc	www	
WUX	Fort Crockett, Texc		
WUY	Fort San Jacinto, Texc	wwx	
WŬŹ	Brownsville, Texc		
WVĀ	Circle City, Alaskac	WWY	
WVB	Fairbanks, Alaskac	** ** 1	
wvc		wwz	
	Fort Egbert, Alaskac		
WVD	Fort Gibbon, Alaskac	WXA	Buford
WVE	Fort St. Michael, Alaskac	WXB	Crook
WVF	Kotlik, Alaskac	WXC	Dix
WVG	Nome, Alaska	WXD	Kilpatrick
WVH	Nulato, Alaskac	WXE	Liscum
WVI	Petersburg, Alaskac	WXF	Logan
WVJ	Wrangell, Alaskac	WXG	Meade
	windson, management	WXH	McClellan.
WVK		WXI	Merritt
	Ford Frank D I	WXJ	
WVL	Fort Frank, P. Ic		Sheridan
WVM	Fort Hughes, P. Ic	WXK	Sherman
WVN	Fort Mills, P. Ic	WXL	Sumner
wvo	Davao, P. I	WXM	Thomas
$\mathbf{W}\mathbf{P}$	Fort Drum, P. Ic	WXN	Warren
WVQ	Fort Wm. McKinley, P. Lc		
WVŘ	Fort Wint, P. Ic	wxo	
WVS	Jolo, P. I.		
ŴŸŤ	Molebong P I	WXP	design of the second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second se
wvū	Manile D T	WAI	•••••
	Malabang, P. I	WYO	
WVV	Puerto Princesa, P. I	WXQ	
wvw	Zamboanga, P. Ic	WXR	Burnside
WVX	Cuyo, P. I		
WVY	San Jose, P. I	WXS	
WVZ	Fort Mills, P. Ic	WXT	Joseph Henry
WWA	Chinab	WXU	Navesink
WWB	Beaverb		
	~~~~~ D	wxv	
	1		

Call signal.	Station.	Call signal.	Station.
wxx.		WZC	Fort Whitman, Wash
		WZD	Fort Barrancas, Flac
WXY		WZE WZF	Fort Constitution, N. Hc
WVA		WZG	Fort Moultrie, S. C
WXZ WYA	General Royal T. Frankb	WZG	Fort De Russey, Hawaii
WYR	General S. N. Millsb	WZH	V
WYC	Major Samuel Ringgoldb	WZD	
WYD	General Henry J. Huntb	WZI	h
WYE	General Henry Knoxb	WZI	
WYF	General E. O. C. Ordb	WZJ	4
WYG	Colonel Geo. Armisteadb	WZK	Fort Dade, Flac
WYH	General Robert Andersonb	WZL	Steamship Buckroe
WYI	Captain Chas. W. Rowellb	WZM	Steamship Anderson
WYJ	General A. M. Randolb	*** 231	Dicamonip independent
WYK	General Harvey Brownb	WZN	1.0000000000000000000000000000000000000
WYL	General R. B. Avresb		
WYM	Captain James Fornanceb	wzo	
WYN	Renob		1
WYO	Major Evan Thomasb	WZP	
WYP	Captain Gregory Barrettb	WZQ	General Timothy Pickeringb
WYQ	Major Albert G. Forseb	WZŘ	General Nathanael Greeneb
WYŘ	Lieutenant Geo. M. Harrisb	WZS	Henry Wilsonb
WYS	General G. W. Gettyb	WZT	General George H. Weeksb
WYT	Captain A. M. Wetherillb	WZU	Sprigg Carrollb
WYU	General Robt. Swartoutb	WZV	General J. M. Brannanb
WYV	General S. B. Holabirdb	WZW	General R. N. Batchelderb
WYW	General R. H. Jacksonb		
	1	WZX	
WYX			
WYY	General Richard Arnoldb	WZY	
WYZ	Captain T. M. Morrison b	,,,,,,,	
WZA	Fort Screven, Ga	WZZ	1
\mathbf{WZB}	Fort Howard, Md		1

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.	Serv- ice.	Hours.	Station controlled by—
Agricultural Col- lege, 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.
Athens, Ohio	8YP	300, 425	P	x	Arts. Ohio Univ.
Auburn, Ala		1625, 1800	P	x	Ala. Polytechnic Inst.
Auburn, N. Y	8YA	300, 440, 500, 600	P	(1)	Edward L. Colby (Colby's Teigh. School).
Bakersfield, Cal	6ZW	200, 425	P	x	Lindley Winser.
Battle Creek, Mich	8ZC	200, 425	P P	X	Bert E. Clough.
Beeville, Tex	5ZN	200, 450	P	X	Ed. Nettleton.
Beloit, Wis		900*	P	X	Beloit College.
Berkeley, Cal		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	1X0	300, 600*	P	x	General Radio Co.
Cambridge, Mass	1XP	300, 550, 600	P P	X	George W. Pierce.
Cambridge, Mass	1XU	600*	P	X	Cutting & Washing- ton (Inc.).
Cambridge, Mass	1YH	300, 550, 600*	P	X	Harvard Univ.
Canal Dover, Obio	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	9Y8	300, 375	P	X	Univ. of Missouri (School of Engi- neering).
Columbia, Mo	9XQ	425, 800	P	x	Univ. of Missouri.
Columbus, Ohio		400	P P	ΙÏ	Ohio State Univ.
Dallas, Tex		200, 300, 425	P	X	Frank M. Corlett.
Davenport, Iowa		300	P	l x	William H. Kirwan.

 $^{^1\,9}$ 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.

${\bf Special \ Land \ Radio \ Stations, Alphabetically \ by \ Names \ op \ Stations--Continued}.$

[Variable wave lengths authorised for experimental purposes are indicated by an asteriak (*).]

Station.	Call signal.	Wave lengths.	Serv- ice.	Hours.	Station controlled by—
Denver, Colo	9ZA	<i>450</i> , 500, 750	P	Х	Capt. E. A. Smith (Co. A, Signal Corps, Colo. N. G.).
Denver, Colo Denver, Colo	9ZD 9ZF	200, 425 425, 550, 800	P	X	Edward C. Stockman. 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 Fargo, N. Dak	1ZF	200, 300, 425, 600	P	X	Harold C. Bowen.
Fargo, N. Dak	9YF	300, 600	P	X	Theo. L. Wanner.
Farmington, Conn	1 ZZ	200, 300, 425, 600	P	X	David Lyon Moore.
Fayetteville, Ark Friendship Heights, Md.	5YM 3ZF	200, 400 200, 250	P P	X X	Univ. of Arkansas. John V. Purssell.
Fruitvale, Cal	6XN	300, 600*	P	Х	National Wireless Telph. & Telgh. Co.
Gloucester, Mass	1XI	300, 600 th	P	X	John Hays Ham- mond, jr.
Grand Coteau, La Grand Forks, N. Dak.	5ZQ 9XN	450	P P	X	St. Charles College. Univ. of North Da- kota.
Hamilton, Ohio	8ZU	200, 300, 425	P	X	Doron Bros. Electric
Hartford, Conn	1ZM	200, 300, 425, 600	P	(1)	Hiram Percy Maxim.
Hartford, Conn	1ZT	200, 300, 425, 600	P	(¹) 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
Iowa City, Iowa	9YA	500, variable under 600 and over 1600.	P	x	School). State Univ. of Iowa.
Ironton, Ohio Ithaca, N. Y	8ZG 8XT	200, 425	P P	X	Henry W. Campbell. 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 Kansas City, Mo	9XK 9YU	(*)	P P	X	Robert R. Moore. Field Co. A, Signal
Key West, Fla	4XA	200, 600	P	X	Corps, Mo. N. G. George W. Almour.
Lacey, Wash	7Y8	300, 450, 600	P	X	St. Martin's College.
La Grande, Oreg Lake Geneva, Wis	7ZH 9YW	200, 300, 425 300, 425	P P	X X	Orland M. Heacock. 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.
Lawrence, Kans Lewiston, Mont	7ZC	200, 425	P	X	Arthur C. Campbell.
Lexington, Ky	9YL	500, 1800	P	X	Otto Holstein (Co. A, Signal Corps, Ky.
Tonington 35	177	000 000 407 000	n	v	N. G.). Samuel W. Dean.
Lexington, Mass	1ZD 8YL	200, 300, 425, 600 200, 425	P	X	J. E. Collins.

¹⁷ p. m. to 10.80 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	Ϊ́х	Ed Cornish.
Los Angeles, Cal		600*	PPPPPPPP	X X X	Y M C A
Los Angeles, Cal	6YL	000	Ď	Χ̈́	Y. M. C. A. High School.
Los Angeles, Cal	071	200, 425	Ď	1 1	Cooil Dridges
Louisville, Ill Madison, Wis	9ZL 9XM	4000, 420	T D	(¹) X X X	Cecil Bridges.
Madison, Wis	9AM	2000, 2200	F	♀	Univ. of Wisconsin.
Marion, Ohio		200, 425	F	1 4	Keith Henney.
Marlboro, Mass	1X8	300, 600*	ř	<u>A</u>	Louis W. Stevens.
Media, Pa Memphis, Tenn	3XO 5XC	300, 400, 600 425, variable to	P	X	Simon Delbert, jr. Christian Bros. Col
v 1: m	-00	600	-	₹ .	lege.
Memphis, Tenn	5ZD	296	P P P	X X X X	C. B. De La Hunt.
Minneapolis, Minn	9ZE	(*)	P	I X	Philip E. Edelman.
Minneapolis, Minn	9ZM	200, 425	P	<u> X</u>	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	2 Z I	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 (ls
Morgantown, W. Va.	8XG	650	P	x	Field Co., Signa Corps, Ala. N. G.) C. W. Waggoner (W Va. Univ.).
New Bedford, Mass	1ZN	200, 300, 425, 600	· P	(2)	Milton A. Baylies.
New Braunfels, Tex.		200, 450	P	(2) X	Arthur E. Mollen hauer.
New Castle, Pa	8ZN	200, 425	P	x	R. L. Patch.
New Orleans La	5XM	300, 600	P	Ϊ́Ϋ́	Marconi Co.
New Orleans, La New Rochelle, N. Y.	2ZK		b	l 🕏	George C. Cannon.
New York, N. Y	2XG	280, 425 300, 350, 600, 850, 1800, 2500.	P	X X X 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. Morecrof (Columbia Univ.).
New York, N. Y	2XN	300, 600	P	x	Alfred N. Goldsmitt (College of the City of N. Y.).
New York, N. Y	2XR	(*)	P	l 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 Polic
Northampton, Mass.	1ZL	200, 300, 425, 600	P	x	Dept. Dean A. Lewis and Glen C. Sabin.
Nutley, N. J	2ZH	300, 450, 600	P	l x	Arthur A. Hebert.
Oil City, Pa	8YW	200, 450		X	Clarence M. Wicke
Omaha, Nebr	9XU	800	P	x	(Electra Club). Union Pacific R. R Co.
Orono, Me	1XK	280, 590, 800	P	X X X	Univ. of Maine.
Oakland, Cal	I 6XC	300, 550, 600* 300, 600, 800*	P	X	Lewis M. Clement.
Oakland, Cal	437CD	1 000' 000'	P	1 30	Howard H. Tremble

¹ 11.55 a. m. to 1 p. m.; 6.30 p. m. to 11 p. m. ² 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 aignal.	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 P P	Ϊ́х	Howard S. Bunting.
Philadelphia, Pa	3XJ	300, 500, 600	P	Ϋ́	St. Joseph's College.
Philadelphia Pa	3XC	300, 480, 600*	P	Ϋ́	Frank B. Chambers.
Philadelphia, Pa Philadelphia, Pa	3XP	300, 400, 600	P	Ϋ́	Simon Delbert, jr.
Pierre, S. Dak	9ZP	200, 425	P P	Ϋ́	Dana McNeil.
Pittsburgh, Pa	8XC	1800, 2100, 3000	P	X X X X X	Carnegie Inst. of Tech- nology.
Pittsburgh, Pa	8XK	450, 2000*	P	X	Frank Conrad.
Pitteburgh, Pa	8YI	300, 425	P P	Ϊ́Т	Univ. of Pitteburgh.
Pittsburgh, Pa	8ŸZ	200, 450	P	X X X	Charles C. Dunning (Peabody High School).
Pittsfield, Mass	1XG	1600, <i>3000</i> , 6000	P	X	General Electric Co.
Pittefield, Mass Port Chester, N. Y	2ZP	200, 300, 425, 600	P P P	X	John W. Hubbard.
Pottsville, Pa	8ZR	200, 425	P	X X X	Cotesworth M. Jack-
					son.
Providence, R. I Pullman, Wash	1ZP 7YI	200, 300, 425, 600 500, 1750	P	X	Ralph C. Watrous. State College of Wash-
Rapid City, S. Dak.	9XA	(*)	P	x	claude C. Van Nuys (S. Dak. School of Mines).
Panid City & Dak	9ZR	enn 495	P	T I	S. R. Halley.
Rapid City, S. Dak. Richmond, Va		200, 425 500*	P P	X	Emple C. Culett /Cia
richmond, va	3ZK	000*	_ F	Λ.	Frank S. Splatt (Sig- nal Corp., Va. N.G.). Alfred H. Grebe.
D2.1 3 TEN N 35	0/737	000 0500	D	~	Maicorp. va.N.G.).
Richmond Hill, N.Y	2ZV	300, 3500	P P	XX	Allred H. Grebe.
Ridgway, Pa	8XO	300, 425	r	^	W.P.Osterhout(Pitts- burgh Wireless
Dinardala Ma	0.11		ъ	v	Equipment Co.).
Riverdale, Md Rockford, Ill	9YB	200	P	X	Frank A. DeGroot. Rockford School of
Rock Island, Ill	9XR	300, 500*	P	x	Engineering. Robert K. Karlowa (Tri-City Radio
					Lab.).
Rockland, Me	1ZR	200, 300, 425, 600	P	X	Edward L. Norton.
Rockland, Me Salt Lake City, Utah	6ZI	200, 425	P	X	Edward L. Norton. Stephen H. Besley.
Salt Lake City, Utah	6ZV	200, 300, 425	P	X X X	Julian G. McCollom.
San Antonio, Tex	5ZF	300, 450, 600	P	(1)	Sidney Friedrich.
Salt Lake City, Utah San Antonio, Tex San Antonio, Tex	5ZR	200, 300, 450	P	15	John C. Rodriguez.
San Diego, Cal	6YS	300, 500, 600	P P P P	X	Southern Electrical Co.
San Francisco, Cal	6XA	300, 600*	P P	X	Howard G. Aylsworth.
San Francisco, Cal	6XH	300 <i>600</i> #	P	X	Wm. W. Hanscom.
San Francisco, Cal	6XI	300, 600*	P	Ϊ́х	Clarence W. Smith.
San Francisco, Cal	6XO	300, 600* 300, 600*	P	X X X	Nat. Wireless Telph. & Telgh, Co.
San Jose, Cal	6XF	300, 600*	P	v	Charles D. Herrold.
Savannah, Ga	4XL	300, 460, 560, 600	P	X	Claude A. Lewis and Manning White.
Schenectedy N V	2XA	500, 800*	P	x	E. M. Kinney.
Schenectady, N. Y Schenectady, N. Y	2XI	1600 to 10000*	P	l 🕏 ∣	General Electric Co.
Schenectady, N. Y.	2YU	300, 2000	P P	X X X	Walter L. Upson (Union College).
		200, 300, 400, <i>500</i>	P P	XX	
Schenectady, N. Y Seattle, Wash					Wallace L. Brooks.

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.	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.
	6YL		P	X	High School.
Los Angeles, Cal	9ZL	200 495	P	(1)	
Louisville, Ill	9XM	200, 425	P	(¹) X	Cecil Bridges.
Madison, Wis		2000, 2200	P	X	Univ. of Wisconsin.
Marion, Ohio	8ZD	200, 425		A V	Keith Henney.
Marlboro, Mass	1XS	300, 600*	P	X	Louis W. Stevens.
Media, Pa Memphis, Tenn	3XO 5XC	300, 400, 600 425, variable to 600	P P	XX	Simon Delbert, jr. Christian Bros. Col-
Momphia Tonn	5 Z D		P	X	c. B. De La Hunt.
Memphis, Tenn		296	P	X	
Minneapolis, Minn	9ZE	(*)	P	x	Philip E. Edelman.
Minneapolis, Minn.	9ZM	200, 425	P	X	Marc Frazer.
Mobile, Ala	5ZM	200, 300, 450	P	♣	Ben W. Martin.
Montauk, Long Island, N. Y.	2XE	300, 600*	_	X	Western Electric Co.
Montclair, N. J	2 Z I	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	XX	Wm. H. Amerine (1st
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		, , ,	_		Field Co., Signal
					Corps, Ala. N. G.).
Morgantown, W. Va.	8XG	650	P	X	C. W. Waggoner (W.
morganiowin, vv. va.	0210	000	1	11	Va. Univ.).
New Bedford, Mass	1ZN	200, 300, 425, 600	P	(2)	Milton A. Baylies.
New Braunfels, Tex.	5ZB	200, 450	P	(2) X	Arthur E. Mollen-
New Diadmens, 1ex.	JUD	200, 400	1	A	hauer.
Now Coatle De	8ZN	900 425	P	v	R. L. Patch.
New Castle, Pa		200, 425	P	X	
New Orleans, La	5XM	300, 600	P	v	Marconi Co.
New Rochelle, N. Y.	2ZK	280, 425		X	George C. Cannon.
New York, N. Y	2XG	300, 350, <i>600</i> , 850, 1800, 2500.	P		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,	P	X	Peter Cooper Hewitt
		40000.*			
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
Nuslass N. T	0777	200 450 200	n	v	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. Wicke
			_		(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		300, 550, 600*	P	X	Lewis M. Clement.
Oakland, Cal		300, 600, 800*	P	Î	Howard H. Tremble.
1. N. 1. 1.11.1.15 (A. I.)	UAL	. 200, 000, 000		. 1	HOWAIG II. ITEMOTE

^{111.55} a. m. to 1 p. m.; 6.30 p. m. to 11 p. m.
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 aignal.	Wave lengths.	Serv- ice.	Hours.	Station controlled by—
Oxford, Ohio	8YR	200, 425	P	v	Miami Univ.
Pacific Grove Cal	67D	200, 420	b	♀	
Pacific Grove, Cal Philadelphia, Pa	6ZB	300, 500, 600	P P	1 4 1	Howard S. Bunting.
Philadelphia, Pa	3XJ	300, 500, 600	P	I X I	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 X X X X	Carnegie Inst. of Tech- nology.
Pittsburgh, Pa	8XK	450, 2000*	P	l v l	Frank Conrad.
Pittsburgh, Pa		300, 425	P P P	X X X	Univ of Dittahungh
Dittaburgh Da	0V7		, p	♀	Univ. of Pittsburgh.
Pitteburgh, Pa	8YZ	200, 450	r	^	Charles C. Dunning (Peabody High School).
Pittsfield, Mass	1XG	1600, <i>3000</i> , 6000	P	v	General Electric Co.
Don't Charten N V	070		4	X X X	
Port Chester, N. Y	2ZP	200, 300, 425, 600	P	1 4 1	John W. Hubbard.
Pottsville, Pa	8ZR	200, 425			Cotesworth M. Jackson.
Providence, R. I	1ZP	200, 300, 425, 600	P	X	Ralph C. Watrous.
Pullman, Wash	7YI	500, 1750	P	XX	State College of Washington.
Rapid City, S. Dak.	9XA	(*)	P	x	Claude C. Van Nuys (S. Dak. School of Mines).
Rapid City, S. Dak.	9ZR	200, 425	P	l x l	S. R. Halley.
Richmond, Va	3ZK	500*	P	X	Frank S. Splatt (Sig-
Dishmond Hill M W	0/737	000 0800	ъ		nalCorp., Va.N.G.). Alfred H. Grebe.
Richmond Hill, N.Y Ridgway, Pa	8X0	300, 3500 300, 425	P	XX	W.P.Osterhout(Pitte- burgh Wireless
n			_		_ 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 X X	Edward L. Norton.
Salt Lake City, Utah	6ZI	200, 425	P	Ϋ́	Stephen H. Besley.
Solt Lake City, Utah	6ZV		Ď	🗘	
San Assertion (Com		200, 300, 425	÷.	m 1	Julian G. McCollom.
Salt Lake City, Utah San Antonio, Tex San Antonio, Tex	5ZF	300, 450, 600	I.	1 255	Sidney Friedrich.
San Antonio, Tex San Diego, Cal	5ZR 6YS	200, 300, 450 300, 500, 600	P P P P	X	John C. Rodriguez. Southern Electrical
	6XA	300, 600*	P		Co.
San Francisco, Cal	CVII	900 600#	P	X X X	Howard G. Aylsworth.
San Francisco, Cal	6XH	300, 600* 300, 600*	ī	1 <u>4</u> . i	Wm. W. Hanscom.
San Francisco, Cal San Francisco, Cal	6XI 6XO	300, 600*	P P P	X	Clarence W. Smith. Nat. Wireless Telph.
9 7 6-1	0373	000 000		- T	& Telgh, Co.
San Jose, Cal Savannah, Ga	6XF 4XL	300, 600* 300, 460, 560, 600	P P	XX	Charles D. Herrold. Claude A. Lewis and
Schangered N. W.	OVA	F00 900#	ъ	I	Manning White.
Schenectady, N. Y Schenectady, N. Y	2XA	500, 800*	P	₩	E. M. Kinney.
Schenectady, N. Y Schenectady, N. Y	2XI 2YU	1600 to 10000* 300, 2000	P	X X X	General Electric Co. Walter L. Upson
		1	_		(Union College).
Schenectady, N. Y Seattle, Wash	2ZB	200, 300, 400, <i>500</i>	P P	X	Wallace L. Brooks. Marconi Co.



 ${\bf Special \, Land \, Radio \, Stations, \, Alphabetically \, by \, Names \, of \, Stations-Continued.}$

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

Station.	Call signal.	Wave lengths.	Serv- ice.	Hours.	Station controlled by—
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
Seattle, Wash	7XZ	600, 680*	P P	x	Univ. of Washington
Shreveport, La	5 Z 8	200, 425		X	Willis E. Antony.
Slingerlands, N. Y.	2XD	300, 400, <i>550</i> , 600, 1000.	P		C. F. and B. V. Dietz
Springfield, Ill	9 Z 8	600, 1800	P	X X X	Illinois Watch Co.
Springfield, Mass	1ZS	200, 300, 425, 600	P P P	X	Geerge U. Readio.
Springfield, Ohio	8ZM	200, 300, 450	P	A A	Ross McGregor.
Stillwater, Minn	9YM	200, 300, 425	χ =	X	Co. K, 3d Infantry Minn. N. G.
St. David's, Pa	3Z8	425, 500	P	X	Charles H. Stewart.
St. Louis, Mo	9XC	700, 825		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) X	Pa. State College.
Summit, N. J	2XW	305, 450, <i>600</i> , 700, 1000.	P	X	Frank N. Waterman
Takoma Park, Md	3XB	500, 2000	P	X	Bliss Electrica School.
Tiffin, Ohio	8ZT	200, 425	P	(1)	John J. Grossman.
Trinidad, Colo	9ZB	450, 500, 750	P P	X	E. A. Smith (Co. A Signal Corps, Colo
University Place, Nebr.	9YD	300, 468	P	x	N. G.). Nebraska Wesleya Univ.
Upper Montclair, N. J.	2ZE	200, 325	P	x	Paul F. Godley.
Valparaiso, Ind	9XD	300, 600*	P	x	Dodge's Institute of
Vancourer Wash	7ZN	200, 300, 425, 600.	P	v	Telgh. George H. Wallace.
Vancouver, Wash Waco, Tex	5YG	200, 300, 600, 1625.	P	X	E. T. Genheime (Waco High Schoo
Washington, D. C	3 YM	200, 300, 400	P	x	Radio Club). McKinley Manua Training School.
Washington, D. C	.3YN	200, 400, 1800	P	x	James E. Smith (Na tional Radi
Washington D.C.	3ZH	Colony of the Colony of the	P	l v	School). H. B. De Groot.
Washington, D. C Washington, D. C	3ZW	200, 425	P	X X X	Walther A. Parks.
Watchaug Pond, R.I.	ixw	200, 300, 425, 600	P P	l 🛣	Ralph C. Watrous.
Wayne, Nebr	9ŶT	300, 425	P	X	U. S. Conn, pres dent, State Norms School.
Westbrook; Me	120	200, 300, 425, 600	P	x	Wm. H. Rocheleau.
Wheeling, W Va	8ZW	200, 450	P	X	John C. Stroebel, ir.
Wheeling, W. Va Wichita, Kans	9YE	1700	P	X	Walter S. Ezell.
Wilkes-Barre, Pa	8ZS	200, 425	P	X	Walter S. Ezell. John H. Stenger, jr.
Worcester, Mass		(*)	P	X X X	Worcester Polytech nic Inst.
Worcester, Mass	1ZW	200, 425	P	l x	Wm. H. Allison.

^{1 7} p. m. to 10.30 p. m.

SPECIAL LAND RADIO STATIONS, GROUPED BY DISTRICTS.

Calleignal.	District and station.	Callsignal.	District and station.
	First district:		Third district—Continued.
1XC	Chelses, Mass.	3XO	Media, Pa.
1XG	Pittsfield, Mass.	3XP	Philadelphia, Pa.
1XI	Gloucester, Mass.	3XR	Hyattsville, Md.
IXK	Orono, Me.	3YM	Washington, D. C.
IXO	Cambridge, Mass.	3YN	Washington, D. C.
1XP	Cambridge, Mass.	3ZD	Riverdale, Md.
1X8	Marlboro, Mass.	3ZF	Friendship Heights, Md.
1XU	Cambridge, Mass.	3ZH	Washington, D. C.
XW	Watchaug Pond, R. I.	3ZK	Richmond, Va.
1YH	Cambridge, Mass.	3Z8	St. Davids, Pa.
1YK	Worcester, Mass.	3ZW	_ Washington, D. C.
1ZD	Lexington, Mass.		Fourth district:
1ZF	Fall River, Mass.	4XA	Key West, Fla.
1ZH	Beverly Farms, Mass.	4YZ	Charleston, S. C.
1ZL	Northampton, Mass.		Fifth district:
1ZM	Hartford, Conn.	5XC	Memphis, Tenn.
1ZN	New Bedford, Mass.	5XF	Little Rock, Ark.
1ZP	Providence, R. I.	5XN	New Orleans, La.
1ZQ 1ZR	Westbrook, Me.	5XO	Little Rock, Ark.
1ZR	Rockland, Me.	5YA	<u>Auburn, Ala.</u>
1Z8	Springfield, Mass.	5YG	Waco, Tex.
1ZT	Hartford, Conn.	5YM	Fayetteville, Ark.
1ZW	Worcester, Mass.	5ZB	New Braunfels, Tex.
1ZZ	Farmington, Conn.	5ZC	Dallas, Tex.
	Second district:	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. New York, N. Y.	5ZM	Mobile, Ala.
2XH	New IOFK, N. I.	5ZN	Beeville, Tex.
2XI	Schenectady, N. Y.	5ZQ	Grand Coteau, La.
2XL	Alden, N. J. New York, N. Y.	5ZR	San Antonio, Tex.
2XM	New York, N. I.	5 Z 8	Shreveport, La.
2XN	New York, N. Y. New York, N. Y.	OVA	Sixth district:
2XR 2XU	New York, N. 1.	6XA	San Francisco, Cal.
	New York, N. Y.	6XB 6XC	Berkeley, Cal.
2ŶM	Summit, N. J.	6XE	Oakland, Cal.
2Y8	New York, N. Y. New York, N. Y.	6XF	Monterey, Cal.
2YU	Schenectady, N. Y.	6XH	San Jose, Cal.
2ZA	New York, N. Y.	6XI	San Francisco, Cal.
2ZB	Schenectady, N. Y.	6XL	San Francisco, Cal.
2ZE	Upper Montclair, N. J.	6XN	Los Angeles, Cal. 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	New Rochelle, N. Y. Port Chester, N. Y.	6YL	Los Angeles, Cal.
	Richmond Hill, N. Y.	6YS	San Diego, Cal.
	Third district:	6ZB	Pacific Grove, Cal.
3XB	Takoma Park, Md.	6ZI	Salt Lake City, Utah.
	Philadelphia, Pa.	6ZV	Salt Lake City, Utah.
3XC			

SPECIAL LAND RADIO STATIONS, GROUPED BY DISTRICTS-Continued.

Call signal.	District and station.	Call signal.	District and station.
	Seventh district:		Ninth district:
7XE	Seattle, Wash.	9XA	Rapid City, S. Dak.
7XK	Scattle, Wash	9XB	Beloit, Wis.
	Seattle, Wash.	9XC	Deloit, W.B.
7XM	Seattle, Wash.		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.
7 Z D	Bozeman, Mont.	9XN	Grand Forks, N. Dak.
7ZH	La Grande, Oreg.	9XP	Lawrence, Kans.
7ZN		9XQ	Columbia, Mo.
12N	Vancouver, Wash.		
. 77. 4	Eighth district:	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. Ithaca, N. Y.	9YF	Fargo, N. Dak.
8YA	Auburn N V	9YG	Agricultural College,
8YC	Auburn, N. Y.	81 G	N. Dak.
8YI	Ithaca, N. Y.	9YH	Jacksonville, Ill.
	Pittaburgh, Pa.		
8YL	Lima, Ohio.	9YI	Ames, Iowa.
8YO	Columbus, Ohio.	9YK	Indianapolis, Ind.
8YP	Athens, Ohio.	9YL	Lexington, Ky.
8YR	Oxford, Ohio.	∥ 9YM	Stillwater, Minn.
8YW	Oil City, Pa.	∥ 9YO	Lamoni, Iowa.
8YZ	Pittsburgh, Pa.	9YS	Columbia, Mo.
8ZB	Buffalo, N. Y.	9YT	Wayne, Nebr.
8ZC	Battle Creek, Mich.	9YU	Kansas City, Mo.
8ZD	Marion, Ohio.	∥ 9ŸŴ	Lake Geneva, Wis.
8ZE	Elmira, N. Y.	∥ ŠŸX	Lake Geneva, Wis.
8ZF		9ZA	Denver, Colo.
	Cincinnati, Ohio.	9ZB	
8ZT	Ironton, Ohio.		Trinidad, Colo.
8ZH	Cincinnati, Ohio.	9ZD	Denver, Colo.
8ZM	Springfield, Ohio.	9ZE	Minneapolis, Minn.
8ZN	New Castle, Pa.	9ZF	Denver, Colo.
8ZR	Pottsville, Pa.	9ZI	Eldora, Iowa.
8ZS	Wilkes-Barre, Pa.	9ZL	Louisville, Ill.
8ZT	Tiffin, Ohio.	∥ 9ZM	Minneapolis, Minn.
8ZŪ	Hamilton, Ohio.	9ZP	Pierre, S. Dak.
8ZW	Wheeling, W. Va.	9ZR	Rapid City, S. Dak.
8ZX	Canal Dover, Ohio.	9ZS	Springfield, Ill.
OUA	Canal Dover, Onto.	<i>62</i> 15	opringueid, in.

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.	Powe
			Kw.
EAI	Abels, Charles A	43 Nicollet St., Lowell, Mass	0.
US .	Achin, Horace, ir	30 Smith St., N. Attleboro, Mass.	
FT	Ackley, Edward P.	Peaks Island, Maine	
ANH	Aldrich, George E	9 Simonds Rd., Melrose, Mass	
8I	Alger, James W	Reading, Mass	
UL	Allen, Edwin B	Westerly, R. I	
KG	Allen, Franklin	125 Sycamore St., New Bedford, Mass	
JQ.	Allen, George H	16 Bacon St., Waltham, Mass	
GM	Allen, J. Wyman	236 Hale St., Beverly, Mass	
AAT	Allen, Laurence H	60 Dean St., Attleboro, Mass	
PQ	Allen, Percival R	147 Hancock St., Auburndale, Mass	
TF	Allenson, George T	12 Railroad Ave., Valley Falls, R. I.	
EV	Almquist, Fritz A	333 Franklin St., Quincy, Mass	
	American Radio Association.		
	See Fowle, Herbert L.		
KR	Anderson, Andrew R	29 Lewis St., Lynn, Mass	
HN	Anderson, Daniel H	40 Oliver St., Everett, Mass	
DK	Anderson, Herlbert	833 Norman St., Bridgeport, Conn	
EID	Anderson, James H	17 Bartlett Rd., Belmont, Mass	
NA	Andonegui, Lane	27 Linnaen St., Cambridge, Mass	
ME	Angell, Otis P	20 Trowbridge St., Cambridge, Mass	
OA	Anthony, Richard L	336 College St., Lewiston, Me.	
KQ	Armstrong, James B	15 Bradford Rd., Newton Highlands, Mass	
E8	Armstrong, Leroy W Ashland, Homer B	135 Point St., Providence, R. I.	
ESV	Ashland, Homer B	76 N. Union St., Burlington, Vt	
JL	Ayres, Richard T	10 Common St., Charlestown, Mass	
ANB	Bacuinka, Peter L	137 Dorchester St., Worcester, Mass	
ANJ	Bailey, Charles E	51 Chestnut St., New Britain, Conn	1
WW	Bailey, Philip A	64 Washington St., Middletown, Conn	
ANX RJ	Balley, William M	38 Menlo Ave., Lynn, Mass.	~
FC	Dokor C Hall	Torrington Point, Peaks Island, Me.	
EMI	Bailey, Willard L. Bailey, William M. Baker, C. Hall. Baker, J. Stannard	40 Sunset Ave., Amherst, Mass	
AAE	Baker, Warren F.	2 Baker Pl., Dorchester, Mass	
DN	Balcom, Loris L.	Noroton Heights, Conn	
WE	Baldwin, James P.	66 Forest St., New Britain, Conn.	1
LG	Ballon, Willis H	82 Winthron St Medford Mass	
EA	Barker, Gullan D.	19 Channing St., Newport, R. I.	1
ENU	Barney, George C	R. F. D. No. 7. Bangor, Me.	
LF	Barrett, Bradford L	19 Channing St., Newport, R. I. R. F. D. No. 7, Bangor, Me. 47 Forest St., Springfield, Mass.	
WJ	Barrett, John H	84 Lafavette Pl Greenwich Conn	
ENF	Barth, Norbert E	548 W Main St New Britain Conn	
JK	Batchelder, Hugh M	92 Lake Ave., Melrose, Mass	
AAZ	Bates, Roger E	184 Pine St., Wollaston, Mass	
EMA	Bauer, Paul 8	169 Lynn Shore Drive, Lynn, Mass	1
GU	Baumann, Howard	24 Hale Ave., South Medford, Mass	
IY	Baxter, Horace M	160 Foster St., Brighton, Mass	
CZ	Bean, Harold W	82 S. Main St., Penacook, N. H.	1
8L	Bearse, Edwin W	43 Cutter St., Somerville, Mass	
ABA	Beattle, Robert Beebe, William J	21 County Rd., Everett, Mass.	
AED	Beebe, William J	42 Ridgewood Pl., Springfield, Mass	
VZ	Becker, Carl W	56 Brookside Ave., Boston, Mass	
IW	Beckvold, Melvin P	87 Callender St., Dorchester, Mass.	
OJ	Beecher, George E	416 Allen St., Springfield, Mass	
KW	Beering, Herbert A	61 South St. Jamaica Plain, Mass	
VL	Belknap, Edward L	91 Vine St., Hartford, Conn	
HY	Bennett, Lawrence 8	2 Lawrence St., Everett, Mass	

FIRST DISTRICT-Continued.

Call signal.	Owner of station.	Location of station.	Powe
			Kw.
1ABK	Bent, Arthur E	84 Commonwealth Ave., Boston, Mass	
ENQ	Berger, Sherwood Bergmann, Malcolm P	Naugatuck, Conn	0.
HO EAH	Berry, Gerald D	28 N Central Ave Wolleston Mass	
iFI	Bernier, Walter J.	7 River St., Sanford, Me.	
lUG	Berry, Gerald D. Bernier, Walter J. Bigelow, Fred C. Billotte, Louis C. Bishop, Donald S. Bixby, Harold O. Biack, Oliver M. Biack, William R. Biack, Norman E. Biake, Sidney S. Biake, Sidney S. Biake, William F. Bianchard, Chester T. Bianchard, Ralph N Blanchard, Raymond C.	Naugatuck, Conn. 50 Jaques St., Somerville, Mass 28 N. Central Ave., Wollaston, Mass 7 River St., Sanford, Me 123 Chapel St., Saylesville, R. I. 10 Centennial Ave., Revere, Mass 21 Washington St., North Attleboro, Mass 65 Hillside Ave., Arlington Heights, Mass	
IJN	Billotte, Louis C	10 Centennial Ave., Revere, Mass	1
iIQ 1EF	Bishop, Donald S	211 Washington St., North Attleboro, Mass	
1ATJ	Black Oliver M	10 Charles St. Lawrence Mass. Mass	
IOK	Black, William R.	19 Charles St., Lawrence, Mass 32 Jefferson St., Newton, Mass	
IQK IKE	Blackie, Norman E	110 Norfolk St., Dorchester, Mass	
lKJ	Blake, Sidney S	110 Noriolk St., Dorchester, Mass. 25 Elm St., Westerly, R. I. 104 Rutherford Ave., Charlestown, Mass. 25 Ashmont St., Dorchester Center, Mass. 12 Harvard St., Whitman, Mass. 14 Leonard St., North Attleboro, Mass.	
EAK	Blake, William F	104 Rutherford Ave., Charlestown, Mass	
IEO INB	Blanchard Ralph N	12 Harvard St. Whitman Mass	
HA	Blanchard, Raymond C	14 Leonard St., North Attleboro, Mass	
1WV	Blanchard, Raymond C Blank, Donald C Bliss, Donald H	14 Leonard St., North Attleboro, Mass. Greenwich, Cohn. 12 Dean St., Attleboro, Mass. 682 2d St., Fall River, Mass. 9 Adams St., Holyoke, Mass. 8 Upham St., Revere, Mass. 77 Linwood St., New Britain, Cohn. 194 Elm St., Everett, Mass. 164 Rawson Road, Brookline, Mass. 168 Belmont Ave., Fall River, Mass.	1
LAB8	Bliss, Donald H	12 Dean St., Attleboro, Mass	
EMC	Bloom, Harry	682 2d St., Fall River, Mass	
EH	Bloom, Philip H	9 Adams St., Holyoke, Mass	
LB IVH	Bollerer, Alexander V	77 Linwood St., New Britain, Conn	
MB	Boudette, Clayton M	194 Elm St., Everett, Mass	
QN	Bliss, Jonaid H. Bloom, Harry Bloom, Philip H. Blume, Carl T. Bollerer, Alexander V. Boudette, Clayton M. Bowditch, Frederic C., jr.	164 Rawson Road, Brookline, Mass	
1KO		168 Belmont Ave., Fall River, Mass. 13 Belmont Ave., Camden, Me. 6 Samoset St., Dorchester, Mass. Reading, Mass. (portable station).	
1EAP	Bowers, Maurice A Bowers, William K	13 Belmont Ave., Camden, Me	
IEAU 1KS	Boy Scouts of America,	Reading Mass (nortable station)	
18X	Tracer 1		
	Boy Scouts of America, Troop 2. Brackett, Walter F. Bradbury, Lawson E. Bradin, Jack H.	24 Wanla St Stansham Mass	
IRB IGJ	Bradbury Lawson E	24 Maple St., Stoneham, Mass. 138 Endicott Ave., Revere, Mass. 30 Highland St., Hartford, Conn. 56 Elm St., Putnam, Conn. 16 Centre St., New London, Conn.	
iwz	Bradin, Jack H	30 Highland St., Hartford, Conn.	1
IESP	Bradshaw, Norwood V Bradshaw, Wesley B	56 Elm St., Putnam, Conn	
IAEJ	Bradshaw, Wesley B	16 Centre St., New London, Conn	1
IEAJ	Brassill, James J Brennan, Edward G	East Providence, R. I. Bedford St., Stamford, Conn. 94 Walnut Pl., Brookline, Mass. 91 Marion St., Brookline, Mass.	
IESM IUR	Briggs, Stuart M	94 Walnut Pl., Brookline, Mass.	N
118	Briggs, Stuart M	91 Marion St., Brookline, Mass	1
1LR		46 Church St., Hudson, Mass	
1ABJ	Brigham, Everett K. Brockington, Harry G. Brogan, Arthur R. J. Brothers, George W. Brown, Irving M.	69 Lincoln St., Laconia, N. H	
IATW	Brogan, Arthur R. J	78 Central St. Hudson Mass	1
IASU	Brown, Irving M	269 Northrup St., Providence, R. I.	
iTX	Brown, Louis Brown, Randolph B Buck, Richard C Bueb, John J., Jr. Buffington, William H	209 Blackstone St., Providence, R. I	
10R	Brown, Randolph B	Dana, Mass	
1ANT	Buck, Richard C	44 Linden St., Reading, Mass	1
IWA IRG	Buen, John J., Jr	226 Manla St Fall River Mass	
iHI	Burke, Alan W	40 Pollock Ave., Pittsfield, Mass.	1
1LH	Burke, Henry M	59 Chatham Rd., Everett, Mass	1
IAAL ISV	Burke, Alan W. Burke, Henry M. Burt, Jairus F.	66 Pine St., Pittsfield, Mass	11
	Burton, H. R. Bushee, Ward H.	60 Cummings Ave., Wollaston, Mass	
1HH	Bushee, ward H	249 County St., Attleboro, Mass	1110
IJE IAAQ	Bushway, George F	311 Broadway, New Haven, Conn	15.0
IIR	Butterfield, George W	14 Birch Hill Ave., Wakefield, Mass	1130
1R8	Buzzelle, Alfred R	89 Kinnaird St., Cambridge, Mass	1.
1ESB	Byron, Myles	52 W. Liberty St., Waterbury, Conn	
1MV	Caldwell, George W	52 Cherry St., Lynn, Mass	
IUF INU	Comphell Harold C	26 Kanwood St. Dorchaster Mass	1
110	Campbell, James S.	94 Walnut Pl., Brookline, Mass 91 Marion St., Brookline, Mass 46 Church St., Hudson, Mass. 69 Lincoln St., Laconia, N. H. 12 Grigg St., Greenwich, Conn. 78 Central St., Hudson, Mass. 269 Northrup St., Providence, R. I. 209 Blackstone St., Providence, R. I. 209 Blackstone St., Providence, R. I. 209 Blackstone St., Providence, R. I. 209 Rackstone St., Providence, R. I. 209 Rackstone St., Providence, R. I. 209 Blackstone St., Providence, R. I. 209 Blackstone St., Providence, R. I. 209 Country St., Pittsfield, Mass. 40 Pollock Ave., Pittsfield, Mass. 60 Cummings Ave., Wollaston, Mass. 209 Country St., Attleboro, Mass. 87 Glen Rock Ave., Malden, Mass. 88 Glen Rock Ave., Malden, Mass. 89 Kinnaird St., Cambridge, Mass. 89 Kinnaird St., Cambridge, Mass. 52 W. Liberty St., Waterbury, Conn. 52 Cherry St., Lynn, Mass. 18 Morton St., Providence, R. I. 86 Kenwood St., Porchester, Mass. Northbridge, Mass.	1
IABL	Campbell, John A	9 Fairlee St., Somerville, Mass	
INV	Campbell, Margaret L	14 High St., Rockport, Mass.	
LATO	Butler, James T Butterfield, George W Buzzelle, Alfred R Byron, Myles Caldwell, George W Caldwell, Raymond P Campbell, Harold G Campbell, James S Campbell, John A Campbell, Margaret L Carleton, Francis J Carr, Albert H	34 Concord St., Charlestown, Mass	
1ABY	Carr, Albert H	686 Massachusetts Ave Roston Mass	1
1AAV 180	Carter, George T., jr. Cash, Wilson H. Caswell, Carlton T.	3 Prospect St., Nantucket, Mass.	
1MD	Caswell, Carlton T	106 Franklin St., Framingham, Mass.	
10E	I ('haca Mivron I)	7 NOTWOOD St. WOTCHSTAT MARS	
IĞC ITY	Chadwick, Gilbert L Champlin, Albert R Chase, Frank H	19 11th Ave., Haverhill, Mass	
100			

FIRST DISTRICT—Continued.

Call ignal.	Owner of station.	Location of station.	Power	
	Marine I		Kw.	
HC	Cheetham, Henry R	81 Avon St., Somerville, Mass. 6 Aldersey St., Somerville, Mass. 54 High St., Mystic, Conn. Squantum, Mass. 67 Church St., Swanton, Vt. 160 College Ave., Waterville, Me. 25 Pierre Ave., Reyerly, Mass.	0.	
AAO	Cheever, Walter G	6 Aldersey St., Somerville, Mass		
EIC	Chesbro, Everett L	54 High St., Mystic, Conn		
JV	Chiaholm, Chaglaigh C	Squantum, Muse		
HV	Chutter, George A	67 Church St., Swanton, Vt	1.	
AQ	Claim, Harold M	160 College Ave., Waterville, Me		
ABC WG	Clark, Charles V. Clark, Bradford J. Clark, Lyman J. Clark, Wesley C. Clark, Wesley C.	25 Pierce Ave., Beverly, Mass. 49 Oak St., Hartford, Conn. Cuttyhunk Light Station, Goswold, Mass. 34 Cluf St., Arlington, Muss.		
MZ	Clark Lymon I	Cuttybunk Light Station Coswold Mans		
QR	Clark Waslaw C	34 Cliff St. Arlington, Muse	1	
ASN	Clark Wooley C	High School Agington Mass		
TS	Clarkson, Charles N	High School, Arlington, Mass. 17 Gibbs Ave., Newport, R. I Providence, R. I 1422 Washington St., Canton, Ohio.		
UP	Clarkson, Charles N	Providence, R. I.		
PT	Clayton, Henry C	1422 Washington St., Canton, Ohio		
RM	Clements, William B	29 Pemberton Sq., Boston, Mass 33 Homer St., Newton Center, Mass 350 Piedmont St., Waterbury, Conn 193 Clapp St., Milton, Mass 177 Wethersfield Ave., Hartford, Conn		
A8K	Coggins, Paul P	93 Homer St., Newton Center, Mass		
DJ	Cole, George E	350 Piedmont St., Waterbury, Conn		
NE	Coleman, Benj. B. B	193 Clapp St., Milton, Mass		
WC	Coleman, William F	177 Wethersfield Ave., Hartford, Conn		
1D	Collins, W. Lovejoy			
ASP	Colson, Helen B	Watertown High School, Watertown, Mass	1	
BN	Coggins, Paul P. Cole, George E. Coleman, Benj. B. B. Coleman, William F. Collins, W. Lovejoy. Colson, Helen B. Colton, Robert H. Conner, John A. Cook, Lewis W. Cook, Witter T. Cooke, Grover C. Coolikof, Jack.	Watertown High School, Watertown, Mass. 768 North St., Pittsfield, Mass. 7 Sellick St., Stamford, Conn. 9 Pleasant St., Ansonia, Conn.		
WQ DH	Cook Landa W	40 Pleasant St. Amania Conn		
DO	Cook Witten T	460 W. Main St., Norwich, Conn.		
10	Cooke Grover C	10 Cornes St. L.vvn Mass	1	
ART	Cooke, Grover C. Coolikof, Jack. Coombs, George T. Copeland, Sylvester W. Copeland, H. Depew. Corcoran, Thomas A. Corliss, Raymond B. Cornwell, William J. Cosgrove, Fred J. Cosgrove, Roland D. Cosman, Howard E. Cote, Armand E.	19 Carnes St., Lynn, Mass. 1 Chestnut St., Chelsea, Mass.	l *	
ABT	Coombs. George T	Castine Ve		
EMH	Copeland, Sylvester W			
08	Copeland, H. Depew	656 2d St., Fall River, Mass. 42 Huron Ave., Cambridge, Mass. 21 Putnam Ave., Cambridge, Mass. 53 Allen Ave., Lynn, Mass. 24 Clark St., Cambridge, Mass. 57 Cedar St., Taunton, Mass. 14 Wright St., Cambridge, Mass. 190 Summer St., Fitchburg, Mass. 184 Harrison St., Pawtucket, R. 1 1 Monument St., Portland, Me. 98 W. Springfield St., Boston, Mass. 94 W. Main St., Plainville, Conn.		
SB	Corcoran, Thomas A	21 Putnam Ave., Cambridge, Mass		
PA	Corliss, Raymond B	53 Allen Ave., Lynn, Mass		
PA	Cornwell, William J	24 Clark St., Cambridge, Mass		
EC	Cosgrove, Fred J	57 Cedar St., Taunton, Mass		
ON	Cosgrove, Roland D	14 Wright St., Cambridge, Mass		
ENE	Cosman, Howard E.	190 Summer St., Fitchburg, Mass		
OU	Cote, Armand E Couri, Arthur N	184 Harrison St., Pawtucket, R. I		
AR	Court, Arthur N	1 Monument St., Portland, Me		
EAD	Courtney, Roger D. Cowles, Willard B. Crie, Oscar H.	04 W. Moin St. Plainville Conn.	-	
DE	Cria Occar H	Cartina Ma		
FD EP	Crocker, Edmund P	Swains Wharf, Nantucket, Mass.	1	
Q8	Crie, Oscar H. Crocker, Edmund P. Croft, Theodore C. Crosby, Carlton R. Crosby, Legla W.	94 W. Main St., Plainville, Conn Castine, Me Swains Wharf, Nantucket, Mass 10 Winthrop St., Everett, Mass East Harwich, Mass 12 Elmwood Rd., Swampscott, Mass 13 Vine St., Titon, N. H. Prides Crossing, Mass 44 Faxon Rd., Atlantic, Mass 24 Clark St., Cambridge, Mass 69 Oakland Ave., Arlington Heights, Mass 25 Sargent St., Cambridge, Mass	1 ^	
PW	Crosby, Carlton R.	East Harwich, Mass.	,	
ABQ	Crosby, Leslie W Cross, Leon F. Cummings, Francis H	12 Elmwood Rd., Swampscott, Mass	,	
AEY	Cross, Leon F.	3 Vine St., Tilton, N. H.		
GT	Cummings, Francis H	Prides Crossing, Mass		
NL	Curtis, Samuel. Custeau, Harry G Dallin, Edwin B Danehy, Edward J David, Harold E	44 Faxon Rd., Atlantic, Mass		
AAJ	Custeau, Harry G	24 Clark St., Cambridge, Mass		
ASD	Dallin, Edwin B	69 Oakland Ave., Arlington Heights, Mass		
QZ KD	Danehy, Edward J			
KD	Davida Oral E	201 Main St. Packland Ma	1	
AX	Davies, Orel E. Davis, Clifton D.	8 Ceder Court Wakefield Moss		
ASL	Davis Emery W	1045 Reacon St. Nawton Highlands Mass	l	
ATO	Davis, Emery W. Davis, Everett E. Davis, Harold W.	16 St Lawrence St Portland Me		
ASX	Davis, Harold W	R F D No 2 Keens N H	1	
NO		124 Pearl St., Somerville, Mass.		
NO LY	Davkin, Leo H.	339 Beacon St., Somerville, Mass.		
EMV	Dean, J. Marshall	46 Alderman St., Springfield, Mass		
ATX	Daykin, Leo H. Dean, J. Marshall Dean, Reginald L. Dean, Samuel W.	23 Grove Ave., Westerly, R. I		
LE	Dean, Samuel W	Quincy St., Cambridge, Mass	1	
vw	Delage, George C	24 Belchertown Rd., Amherst, Mass 301 Main St., Rockland. Me. 8 Cedar Court, Wakefield, Mass 1045 Beacon St., Newton Highlands, Mass 1045 Beacon St., Newton Highland, Mass 108 St. Lawrence St., Portland, Me R. F. D. No. 2, Keene, N. H. 124 Pearl St., Somerville, Mass 339 Beacon St., Somerville, Mass 46 Alderman St., Springfield, Mass 23 Grove Ave., Westerly, R. I. Quincy St., Cambridge, Mass 221 Greenwich Ave., Greenwich, Conn. Hampton, N. H.		
EMJ	De Lancey, Clyde P	Hampton, N. H. 76 Hancock St., Stoneham, Mass 43 Vine St., Lawrence, Mass 4 Church St., Simsbury, Conn.	1	
EMD	De Lano, Raiph B	/o Hancock St., Stonenam, Mass		
AEA	Demory Venneth C	4 Church St., Lawrence, Mass		
IDM IFRE	Delage, George C. De Lancey, C'lyde P. De Lancey, C'lyde P. De Lanc, Ralph B. de Mars, Paul A. Dewey, Kenneth C. Dibbins, Samuel A. Dickson, William E. Dieter, Dean C. Dock, Luther Dodge, Joseph B.	Fuerett Mass	1	
ESK	Dickson William F	Everett, Mass		
AEE	Dietor Dean C	216 Lunn Falls Way Malroca Mace		
EMK	Dock, Luther	By Hamden Circle, Quincy, Mass. 216 Lynn Fells Way, Melrose, Mass. 59 Granite St., Westerly, R. 1 26 School St., Manchester, Mass.		
ET	Dodge, Joseph R	26 School St., Manchester, Mass		
		Deventy Mose		
ESW	Dodge, William E			
IESW IOZ ICF	Dodge, Joseph B. Dodge, William E. Doe, Charles B. Dole, Arthur M. Donahue, Frank J.	Beverly, Mass. 291 Reesdale Rd., Milton, Mass 55 Buell St., Burlington, Vt. 32 Whittier St., Lynn, Mass.		

FIRST DISTRICT—Continued.

Call signal.	Owner of station.	Location of station.	Pov
			Kı
1ABO 1EIZ	Donnelly, George F Donovan, Arthur B	South Meriden, Conn	
IEIZ	Donovan, Arthur B	49 Bigelow Ave., Rockland, Mass	
1AE 1VG	Dow, Harrison L	of Uliver St., Rockland, Me	
IVG	Dow, Harrison L. Dow, John A. Downes, George H.	20 Woburn St., Reading, Mass	
IEAQ IUO	Downes, George H	323 Edgewood Ave., New Haven, Conn	
LATIT	Doyle, John B	20 Washington St. New Pritein Conn	
IATU IPC	Droke Fruin T is	40 Holyaka House Cambridge Mass	
IATI	Droke Nothan I.	202 Mt Auburn St Watertown Mass	
IAAF	Doyle, John B. Doyle, Walter J. Drake, Ervin T. jr. Drake, Nathan L. Drew, William E.	824 Central St. Auburndala Mass	
IRP	Duchemin, Albert W	26 Pond St. Greenfield, Mass	100
HZ	Duncan, Harrie E	34 Foster St., Newtonville, Mass.	1300
IATB	Dunham, Carroll S	Berlin, Conn	17.7
1 A M	Durette, Adolard J	2 High St., Derry, N. H.	
1AE	Duchemin, Albert W Duncan, Harrie E Dunham, Carroll S Durette, Adolard J Durham, Wilson N Dwight, Harrison W Eastman, Damon L	Near Oakland, Me	
lLI	Dwight, Harrison W	24 Milwood St., Dorchester, Mass	
IPK IEIN	Eastman, Damon L	Norfolk, Mass	
EIN		165 Belmont St., Brockton, Mass	
IEST	Eaton, Richard E	59 Lovett St., Beverly, Mass	
HQ	Eaton, Richard E Eberlein, George H	303 Mt. Auburn St., Watertown, Mass 224 Central St., Auburndale, Mass. 26 Pond St., Greenfield, Mass. 34 Foster St., Newtonville, Mass. Berlin, Conn 2 High St., Derry, N. H. Near Oakland, Me 24 Milwood St., Dorchester, Mass. Norfolk, Mass. 165 Belmont St., Brockton, Mass. 59 Lovett St., Beverly, Mass. 15 Hastings St., Greenfield, Mass. 489 Common St., Belmont, Mass. Kensington, Conn.	
IID	Edgy, James C	Voncington Comm	
DT	Edison Corold H., Jr	Aensington, Conn	
IENZ	Eberlein, George H Eddy, James C Edgerly, Albert H., jr Edison, Gerald H Edmester, Earle C. Edwards, Ralph E Ege, John F Ehler, Irwin H Ekwall, George O Eldredge, Clarence R Elllott, Thomas H., jr Engel, Richard B Entwistle, Guy R Entwistle, Guy R Entwistle, Guy R Erteson, Arthur E Erwin, William C Estabrooks, Roland W Etter, Earle F Fabbri, Alessandro	489 Common St., Belmont, Mass. Kensington, Conn. 38 Bushnell St., Hartford, Conn. 23 Beacon St., Everett, Mass. 214 Bacon St., Waltham, Mass. 153 Crest Ave., Revere, Mass. 33 S. Water St., New Haven, Conn. "The Standish," Waltham, Mass. 41 Lawrence St., Wakefield, Mass. 41 Lawrence St., Wakefield, Mass. 104 Claremont Ave., Arlington Heights, Mass. 35 5th St., Medford, Mass. Medford, Mass. Everett, Mass. 41 C St., Lowell, Mass. Manchester, Mass.	
lQG IKB	Edwards Ralph E	214 Bacon St., Waltham, Moss	
RN	Ege John F	153 Crest Ava . Ravera Mass	
IENM	Ehler, Irwin H	33 S. Water St., New Haven, Conn.	
INC	Ekwall, George O	"The Standish," Waltham, Mass	1
OF	Eldredge, Clarence R	41 Lawrence St., Wakefield, Mass	
HR	Elliott, Thomas H., jr	104 Claremont Ave., Arlington Heights, Mass	
IABD	Engel, Richard B	35 5th St., Medford, Mass	
1JJ	Entwistle, Guy R	Medford, Mass	
IAER IMF	Entwistle, Guy R	LVerett, Mass	
IRD	Friegon Arthur F	Monohester Moss	
IANI	Erwin William C	50 Reachwood Ave Watertown Mass	
1EIO	Estabrooks, Roland W	33 Parkland Ave. Lynn. Mass.	
IAAY	Etter, Earle F	25 Bickerstoff St., Boston, Mass	
IAAY IAJ	Fabbri, Alessandro	Manchester, Mass. 50 Beechwood Ave., Watertown, Mass. 33 Parkland Ave., Lynn, Mass. 25 Bickerstoff St., Boston, Mass. Bar Harbor, Me.	
	Fall River State Allinoiv.		
1.770	See Norwell, Joseph C. Farmer, Edward E.	15 Codding Ch. Madford Many	
IJT IEQ	Farmer, Edward E	21 Welter St. Comerville Mess	
IIJ	Faccitt Andrew I ir	27 Walden St. Cambridge Mass	
IANF	Fav Arthur N	257 Broadway, Chiconea Falls, Mass	
IESF	Feeney, Elton O	181 Allen Ave., Portland, Me.	
IEAT IESU	Feeney, Paul F	80 Crest Ave., Revere, Mass.	
ESU	Fenno, Stanley W	Revere High School, Revere, Mass	
LATE	Ferguson, Arthur W	52 Linden St., Everett, Mass	
RO_	Fernald, Wilder A	238 Hale St., Lowell, Mass	
LABF	Fitch, Clinton	15 Cotting St., Medford, Mass. 21 Walter St., Somerville, Mass. 27 Walden St., Cambridge, Mass. 28 Broadway, Chicopee Falls, Mass. 181 Allen Ave., Portland, Me. 80 Crest Ave., Revere, Mass. Revere High School, Revere, Mass. 52 Linden St., Everett. Mass. 238 Hale St., Lowell, Mass. 22 Cottage Pl., Waterbury, Conn. 321 Hammond St., Newton, Mass. 129 Essex St., Marlborough, Mass. 9 Norway St., Boston, Mass.	
ITJ	Floberty Horold I	120 Facer St. Marlharough Mass	
OH	Flanders Fred F	O Norway St Roston Mass	
AEB	Flint Arthur W	9 Norway St., Boston, Mass. 4 Green St., Wakefield, Mass. 4 High St., Westerly, R. I Peaks Island, Me	
TI	Flint, Carl O.	4 High St., Westerly, R. I.	
ITL	Flint, Edward R	Peaks Island, Me.	
lTW	Fogg, George F	52 Upham St., Melrose, Mass.	
NI	Folin, George G	133 Buckminster St., Brookline, Mass	
PD	Folsom, Owen E	89 Hewlett St., Boston, Mass	
PV	Folsom, Rolle A	76 Rockland Ave., Malden, Mass	
EMZ	Fortler, Kalph L	Woodward Are Booding Moss	
LAAK	Forula Harbort L	R Coder Court Welcofold Mass	
VJ	Frank Louis C	Peaks Island, Me 52 Upham St., Melrose, Mass. 133 Buckminster St., Brookline, Mass. 89 Hewlett St., Boston, Mass. 76 Rockland Ave., Malden, Mass. 248 Fort Pleasant Ave., Springfield, Mass Woodward Ave., Reading, Mass. 8 Cedar Court, Wakefield, Mass. 21 Summit Ave., Brookline, Mass. 47 Varnum St., Lowell, Mass. 48 Sheffield, Penperall, Mass.	
GX	French, Walter B	47 Varnum St., Lowell, Mass	
lUJ	Frost, Edgar W	2 Sheffield, Pepperell, Mass	
IDU	See Norwell, Joseph C. Farmer, Edward E. Farnum, Willis H. Fassitt, Andrew J., jr. Fay, Arthur N. Feeney, Elton O. Feeney, Paul F. Fenno, Stanley W. Ferguson, Arthur W. Fernald, Wilder A. Fitch, Cinton Fitch, Conover. Flaherty, Harold J. Flanders, Fred F. Flint, Arthur W. Flint, Carl O. Flint, Edward R. Fogg, George F. Folin, George G. Folsom, Owen E. Folsom, Owen E. Folsom, Rolfe A. Fortier, Ralph L. Fowle, Herbert L. Fowle, Herbert L. Frank, Louis G. French, Walter B. Frost, Edgar W. Frost, Russell S. Fruch, Frederick G. Fruller, Clarence C.	49 Winthrop St., New Britain, Conn.	
IKT IIH	Fruch, Frederick G	962 South St., Roslindale, Mass	
HII	Fuller, Clarence C	50 High St., Mansfield, Mass	
1KP	Fuller, Perry D	14 Conson St., Dorchester, Mass	
ICS	Furlong, Joseph	85 Glen Rd., Boston, Mass	
1EAZ 1ESC	Gage Poger W	47 Varnum St., Lowell, Mass. 2 Sheffield, Pepperell, Mass. 49 Winthrop St., New Britain, Conn. 962 South St., Roslindale, Mass. 50 High St., Mansheld, Mass. 14 Conson St., Dorchester, Mass. 85 Glen Rd., Boston, Mass. 19 Tudor St., Lynn, Mass. 133 Princeton St., Lowell, Mass. 16 Appleton St., Atlantic, Mass. 11 Spring Hill Ter., Somerville, Mass.	
LEDU	Cago, Ruger W	100 I HILCELOH Dt., LOWEII, MASS	
IRZ			

FIRST DISTRICT—Continued.

Call signal.	Owner of station.	station. Location of station.	
			Kw.
18F 1UD	Garrett, John D	645 Farmington Ave., Hartford, Conn	1.
LUD	Gates, Harold 8	281 Washington Ave., Providence, R. I	
1BF	Gates, Paul H. Gavill, Wilbur W. Gavin, Thomas H. Gawler, H. C. Gawler, Leonard M.	261 Washington Ave., Providence, R. I. Franklin, Vt. West Chelmsford, Mass. 49 Lyon St., Fall River, Mass. Boston, Mass. 53 Heath St., Somerville, Mass. Berlin, N. H. 211 Arsenal St., Watertown, Mass. 14 Pleasant St., Arlington, Mass. 64 First St., Melrose, Mass. 63 Chestnut St., Chelsea, Mass. 55 Homes Ave., Dorchester, Mass. 117 Park St., West Roxbury, Mass. 1 Lyy St., Boston, Mass. 17 Crystal Ave., Derry, N. H. R. F. D., Fairhaven, Mass. 123 Hamilton Ave., Lynn, Mass. 45 Masonic St., Rockland, Me. Eastport, Me.	- 3
IGV	Cardy Charge H	40 Luon St. Foll Pierre Mayer	
IEAA IRI	Gawler H C	Roston Mass	
188	Cawler Lamard M	53 Heath St. Somerville Mass	******
18K		Berlin, N. H.	
IANA NQ	George, Eldridge B	211 Arsenal St., Watertown, Mass,	
INQ	Getchell, Melvm D	14 Pleasant St., Arlington, Mass	
IAAG	George, Eldridge B. Getchell, Melvin D Ghen, Melville W	64 First St., Melrose, Mass	
AEF	Gilman, Samuel	63 Chestnut St., Chelsea, Mass	
CO	Godfray, Carlton T	55 Homes Ave., Dorchester, Mass	
ANG	Godfrey, Warren	11/ Park St., West Roxbury, Mass	
PR	Gordon Everett V	17 Cecutal Ava Darry N H	
AH	Coulerte Wanual I.	R F D Fairbayen Mass	
AAB	Gould Clyde S	123 Hamilton Ave., Lynn, Mass	
FA	Gould, Charles D	45 Masonic St., Rockland, Me	1
FA	Gould, Ralph W. B	Eastport, Me	
ESA	Gowell, Bert W	217 Randolph St., North Abington, Mass	
WI	Grant, Alfred A	571 Washington St., Brighton, Mass	
ABG	Graves, William 8	Sunapee, N. H.	
IAA	Gray, Arthur	59 Regent St., Roxbury, Muss	
SR ENX	Gray, Hollis L	45 Masonic St., Mockland, Me Eastport, Me 217 Kandolph St., North Abington, Mass. 571 Washington St., Brighton, Mass. Sunapee, N. H 59 Regent St., Roxbury, Mass. 29 Vine St., Medford, Mass.	
CI	Gray Walter B	Orono, Me. 47 Leonard St., Rochester, N. H. 50 Church St., Hudson, Mass.	
NJ UV ENH FX UA	Greeley Francis R	50 Church St., Hudson, Mass.	
UV	Greim, Arthur M	24 Amory Ave., Boston, Mass	1
ENH	Grenier, Leonard J	43 Hamlet Ave., Woonsocket, R. 1	1
FX	Griffin, Stephen A	l'eaks Island, Me	
UA	Guilmette, Edward J	343 Mason St., Woonsocket, R. I.	
BQ IT	Hackett, Harry 8	White River Junction, Vt	
IT	Hahn, P. Francis	St. Anselms College, Manchester, N. H	1
KY	Getchell, Melvim D Ghen, Melville W Gliman, Bamuel . Godfray, Carlton T Godfrey, Warren Golder, John Gordon, Everett P Goularte, Manuel L Gould, Clyde B Gould, Charles D Gould, Charles D Gould, Ralph W Grant, Alfred A Graves, William B Gray, Hollis L Gray, Hollis L Gray, Hollis L Gray, Walter B Greeley, Francis B Greeley, Francis B Greim, Arthur M Grenier, Leonard J Griffin, Stephen A Guilmette, Edward J Hackett, Harry B Hahn, H Francis Hallett, Charles E Halligan, William J Ham, Earle G Ham Millis F	30 Church St., Hudson, Mass. 24 Amory Ave, Boston, Mass. 24 Amory Ave, Boston, Mass. 34 Humlet Ave., Woonsocket, R. I. Peaks Island, Me. 343 Mason St., Woonsocket, R. I. White River Junction, Vt. 8t. Anselms College, Manchester, N. H. 28 Norcross Ter., Lynn, Mass. 23 Devens St., Charlestown, Mass. 25 Chestnut St., Portland, Me. 21 Crosby St., Augusta, Me. 7 Pomona St., Springfield, Mass. 4 Blue Hill Ave., Roxbury, Mass. 107 Grove St., Fall River, Mass. 17 Crosby St., Augusta, Me. Vineyard Haven, Mass. Littleton, Mass.	
AEH	Ham, Earle G	55 Cheetnut St. Portland Ma	
EH W	Ham Miles F	21 Crosby St., Augusta, Me	1
FH OE	Hamilton, Charles F Hammett, Herbert M Hampton, William G	7 Pomona St., Springfield, Mass	
HM	Hammett, Herbert M	4 Blue Hill Ave., Roxbury, Mass	
ESG	Hampton, William G	107 Grove St., Fall River, Mass	1
ENC	Hanks, Ruel C	17 Crosby St., Augusta, Me	1
JR	Hanks, Ruel C	Vineyard Haven, Mass	
PE	Hardy, Jack	10 Parkman St. Douten Mass	
EAC ED	Hardy, Raiph	28 Craw St. Arlington, Mass	
EIS	Harrington Charles B	Newtonville Mass	
ASJ	Harris Nathan G	94 Hudson St., Hartford, Conn	
AF	Hart, Emery A	80 Melborne St., Portland, Me	
PM	Hartwell, E. G	High School, North Attleboro, Mass	
E8Q	Hasbrouck, Louis	130 N. Pleasant St., Amherst, Mass	_
vo	Hardy, Jack Hardy, Ralph Hardy, Rodney C Harrington, Charles B Harris, Nathan G Hart, Emery A Hartwell, E. G Hasbrouck, Louis Haskell, Shirley D Haskins, Frederic C Hatch, James F Hatch, Roland J	Vineyard Haven, Mass Littleton, Mass Littleton, Mass 19 Parkman St., Boston, Mass 38 Gray St., Arlington, Mass Newtonville, Mass 41 Hudson St., Hartford, Conn 80 Melborne St., Portland, Me. High School, North Attleboro, Mass 130 N. Pleasant St., Amherst, Mass Essex, Mass 220 Lexington St., Belmont, Mass 86 Elm St., Portland, Me. 171 Oxford St., Portland, Me. 80 Pleasant St., Arlington, Mass 126 Atlantic Ave., Marblehead, Mass 44 Chester Ave., Winthrop, Mass. 47 Pembroke St., Newton, Mass. 48 Hudster St., Pittsfield, Mass 52 Warner St., Springfield, Mass 52 Warner St., Springfield, Mass Rochester, Vt.	1
LK	Haskins, Frederic C	220 Lexington St., Belmont, Mass	
AY FK	Hatch, Roland J.	171 Oxford St. Portland Mo	
ATD	Hatfield Samuel I	80 Pleasant St. Arlington Mass	
ATP	Hathaway, Samuel D	126 Atlantic Ave., Marblehead, Mass	
AEV	Hayden, Kenneth L	44 Chester Ave., Winthrop, Mass,	
ANY	Hayward, Edward E., jr	4 Pembroke St., Newton, Mass	
EIH	Heffernan, Edmund J	369 Main St., New Britain, Conn	1
EMQ	Heidel, Edward O	29 Hollister St., Pittsfield, Mass	
ASZ	Hendrick, E. Allen	52 Warner St., Springfield, Mass	
OC IY	Henry, Hugh M	AS Druck Hill Dd. Mottanan Mass	
SW S	Harony Rainh II	Rochester, Vt. 48 Brush Hill Rd., Mattapan, Mass. 2 Harborview Ave., Salem, Mass.	1
ARTI	Hertz, William F. C., ir	57 S. Water St., New Haven, Conn	
ov	Heyman, Harry	15 Congress St., Springfield, Mass.	
QV E8S	Hatch. Roland J. Hatfield, Samuel J. Hathaway, Samuel D. Hayden, Kenneth L. Hayward, Edward E. jr. Heffernan, Edmund J. Heidel, Edward O. Hendrick, E. Allen. Henry, Hugh M. Herland, John N. Hersey, Ralph H. Hertz, William F. C., jr. Heyman, Harry R.	2 Harborview Ave., Salem, Mass. 57 8. Water St., New Haven, Conn. 15 Congress St., Springfield, Mass. Rock Hill, Conn. Penikese, Mass	
ENW	Hicks, George B.	Penikese, Mass	
GI	Hicks, George B. Higgins, Charles A	17 Pond St., Waltham, Mass	
FV	Hill, Harold F	171 Auburn St., Cambridge, Mass	
OK VT	Hill, Harold F. Hill, William J.	236 Chestnut St., Cambridge, Mass	
VT	Hill. William J	236 Chestnut St., Cambridge, Mass. 691-A Columbia Rd., Dorchester, Mass. 301 Hanover St., Fall River, Mass. 661 Maple St., Fall River, Mass. 17 Asylum St., Norwich Conn.	
NH CJ	Hilliard, Dana S Hillson, Robert E. Himes, Norman E.	661 Maple St. Fall River, Mass	

FIRST DISTRICT—Continued.

Call signal.	Owner of station.	Location of station.	Powe
			Kw.
1W8	Hitchcock, Howard A	1647 Boulevard, West Hartford, Conn	0.
1LP	Hitchcock, Richard C	11 Waller Court, New London, Conn	1.
1CD	Hitchcock, William H Hoeffner, Frank A Hodgdon, Milo L Hoffmann, Harry J Hoggson, Wallace Holbrook, Frank L Holcomb, Herbert A	106 Arlington St., Manchester, N. H.	1.
IPB IMN	Hoeffner, Frank A	28 Armstrong St., Jamaica Plain, Mass	
IMN IUU	Hodgdon, Milo L	24 Wachusett St., Worcester, Mass	
IWY	Hoggeon Wallace	Greenwich Conn	
IANN	Holbrook, Frank L.	36 Moody St., Portland, Me.	
IANN IATY	Holcomb, Herbert A	117 Spring St., Windsor Locks, Conn	
1KX	Holt, Clarence J	26 Trenton St., Melrose, Mass	
1AET	Holmes, Phillip B	21 Rockledge Rd., Newton Highlands, Mass	
1FW	Holt, Clarence J. Holmes, Phillip B. Holton, Albert M. Hoopes, Thomas T.	11 Florida St., Springheid, Mass	
1EMT 1RA	Hood Polph S	7 Ach St Danvers Moss	
ITI	Horgan, T. Francis	239 Broadway, Newport, R. I.	O.
ivQ	Horsfall, George W	Unionville, Conn	
1JB	Hovenden, Herbert C	42 Austin St., Newtonville, Mass	
1QT	Hovey, Arthur T	74 Woodcliff St., Boston, Mass	
1ESO	Howard, Frank W	38 Main St., Dexter, Me	
1GL	Howe, Bradiord L	04 School St. Voone N. H.	
1BX 1BU	Hoopes, Thomas T Hood, Raiph S Horgan, T. Francis Horsfall, George W Hovenden, Herbert C Hovey, Arthur T Howard, Frank W Howe, Bradford L Howe, Reginald F Hoyt, Lowell P Hudder, Paul B Hull, Elliott B Hunk ins, Fred L Hunt, Albert M Hunt, Alfred W Huntington, Charles E Huston, Robert D Hutchins, Albert G, jr	1647 Boulevard, West Hartford, Conn. 11 Waller Court, New London, Conn. 106 Arlington St., Manchester, N. H. 28 Armstrong St., Jamaica Plain, Mass. 24 Wachusett St., Worcester, Mass. 24 Wachusett St., Worcester, Mass. 25 Estrella St., Jamaica Plain, Mass. 36 Teenwich, Conn. 36 Moody St., Portland, Me. 117 Spring St., Windsor Locks, Conn. 26 Trenton St., Melrose, Mass. 21 Rockledge Rd., Newton Highlands, Mass. 11 Florida St., Springfield, Mass. 11 Florida St., Springfield, Mass. 11 Shigh St., Newburyport, Mass. 239 Broadway, Newport, R. I. Unionville, Conn. 42 Austin St., Newtonville, Mass. 239 Main St., Dexter, Me. 11 Fair Oaks Ave., Newtonville, Mass. 24 School St., Keene, N. H. 22 Eastern Ave., Gloucester, Mass. 28 44 Hope St., Providence, R. I. 27 Center St., Laconia, N. H. 28 Madison Ave., Newtonville, Mass. 30 Cange St., Newburyport, Mass. 31 Orange St., Newburyport, Mass. 32 Orange St., Newburyport, Mass. 33 Orange St., Portland, Me. 24 Illinois St., Central Falls, R. I. 11 Fearless Ave., Lynn, Mass. 39 Glenwood Ave., Pittsfield, Mass. 37 Holten St., Danvers, Mass. 38 Corinna, Me. 39 Stridgewater, Mass.	
iEIP	Hudder, Paul B	222 Eastern Ave., Gloucester, Mass	
iŭx	Hull, Elliott B	484 Hope St., Providence, R. I	
1AEP	Hunkins, Fred L	17 Center St., Laconia, N. H	
1QY 1ATH	Hunt, Albert M	42 Madison Ave., Newtonville, Mass	
1ATH	Hunt, Alfred W	137-A Belmont St., Everett, Mass	
1AU	Huntington, Charles E	10 Navons St. Portland Ma	******
1ASB 1ABX	Hutching Albert G ir	42 Illinois St., Central Falls, R. I.	
IANP	Hyde, Charles E	11 Fearless Ave., Lynn, Mass	
INS	Hyde, Irving B.	59 Glenwood Ave., Pittsfield, Mass	
1NN	Ingalls, George A	7 Holten St., Danvers, Mass	
1EMO	Ireland, Wilbur E	Corinna, Me.	
1MA	Irwin, Samuel D	West Bridgewater, Mass	
1LD 1TM	Isherwood, William L	Though St., Danvers, Mass. Corinna, Me. West Bridgewater, Mass. 69 Winsor St., New Bedford, Mass. 15 School St., Newport, R. I. 52 Newton St., Marlboro, Mass. 57 Jaques St., Somerville, Mass. 89 Sewell Woods Rd., Melrose Highlands, Mass. 17 Mt. Vernon St., Providence, R. I. 3 Parking St. Mairose, Mass.	
1EAR	Jacques, Arthur E	52 Newton St., Marlboro, Mass.	
1GB	Jaques, Louis A	57 Jaques St., Somerville, Mass	
1II	Jennings, W. Francis, jr	89 Sewell Woods Rd., Melrose Highlands, Mass	
1TP	Jensen, Leonard C	17 Mt. Vernon St., Providence, R. I. 3 Perkins St., Meirose, Mass. 161 Summer St., Central Falls, R. I. Cromwell, Conn. 198 Randolph Ave., Milton, Mass 135 Pleasant St., Brunswick, Me. 63 Trinity St., New Britain, Conn. 75 Ontario St., Providence, R. I. 123 Winthrop St., Winthrop, Mass. 22 Baldwin St., Cambridge, Mass. 1474 Pawtucket Ave., Rumford, R. I. 148 Tremont St., Newton, Mass. 568 Union St., New Bedford, Mass. 4-A Pleasant Ave., Somerville, Mass. 35 Saunders St., Allston, Mass. 8 O St., South Boston, Mass. Ivoryton, Conn. Presque Isle, Me. 45 Parker St., Lexington, Mass. 81 Sherman St., Portland, Me. 71 School St., Sanford, Me. 75 Selmont St., Sanford, Me. 75 Selmont St., Sanford, Me.	
1KA	Jepson, Warren F	3 Perkins St., Meirose, Mass	******
IUE	Jette, George E	Cromwell Conn	
1DA 1HJ	Johnson Edward C. ir	198 Randolph Ave., Milton, Mass	1
IENB	Johnson, George E	135 Pleasant St., Brunswick, Me	
1ENS	Johnson, George W	63 Trinity St., New Britain, Conn	
1AEM	Johnson, Gilbert W	75 Ontario St., Providence, R. I	
1MK	Johnson, Thurston A	123 Winthrop St., Winthrop, Mass	
1ASF 1MJ	Jordan, Richard	1474 Pawtucket Ave Rumford R I	
iLL	Justice Francis C	148 Tremont St., Newton, Mass.	
iHU	Karl, Henry J	568 Union St., New Bedford, Mass	100
IIC ICY	Keller, Adrian C	4-A Pleasant Ave., Somerville, Mass	
1CY	Kelley, Lawrence E	35 Saunders St., Allston, Mass	
1MI	Kelley, Richard P	8 O St., South Boston, Mass	
1DF 1ATA	Kempton Polph I	Presque Isla Ma	44
1A8A	Kenison Arthur C	45 Parker St., Lexington, Mass.	1
IENQ	Kennedy, Jack A., ir	81 Sherman St., Portland, Me	1
1EX	Keyes, Perley E	71 School St., Sanford, Me	
1EX 1ANC	Killam, Phineas 8	25 Belmont St., Reading, Mass	
1QP 1NZ	Kilton, James A., jr	21 Lasell St., Auburndale, Mass	1000
IEIR	Whight Hugh C	122 Melrose St. Melrose Mass	
LEIR	Huntington, Charles E Huston, Robert D Hutchins, Albert G, jr Hyde, Charles E Hyde, Irving B Ingalls, George A Ireland, Wilbur E Irwin, Samuel D Isherwood, William L Jackson, Edward A Jacques, Arthur E Jaques, Louis A Jennings, W. Francis, jr Jensen, Leonard C Jepson, Warren F Jette, George E Johnson, Arthur A Johnson, Edward C, jr Johnson, George E Johnson, George E Johnson, George E Johnson, George W Johnson, Thurston A Jordan, Richard Jukins, Nathaniel B Justice, Francis C Karl, Henry J Keller, Adrian C Kelley, Lawrence E Kelley, Richard P Kelsey, Philip C Kennedy, Jack A, jr Keyes, Perley E Killam, Phineas B Kilton, James A, jr Knight, George W Knight, Maurice E Knight, Montgomery Knight, Wonfeld W Knight, Montgomery Knight, Winfield W	3 Edwin St., Boston, Mass.	
1PI	Knight, Montgomery	475 Appleton St., Holyoke, Mass	1.
1PI 1LZ	Knight, Winfield W	105 Chestnut St., Camden, Me	
1LZ 1EIJ		48 Congress St., Belfast, Me	1
1EIJ 1FN	Knowlton, Dean W		
1LZ 1EIJ 1FN 1ASM	Knowlton, Dean W	554 Broadway, Everett, Mass	
1LZ 1EIJ 1FN 1ASM 1ENP	Knowlton, Dean W Koetter, Max W Kollen, Henry T	554 Broadway, Everett, Mass	
1LZ 1EIJ 1FN 1ASM 1ENP	Knowlton, Dean W Koetter, Max W Kollen, Henry T Kraus, William L	554 Broadway, Everett, Mass 996 Eddy St., Providence, R. I 13 Fountain Ave., Somerville, Mass	
1LZ 1EIJ 1FN 1ASM 1ENP 1ATT 1ANK	Knowlton, Dean W. Koetter, Max W. Kollen, Henry T. Kraus, William L. Kurth, Henry L. R.	554 Broadway, Everett, Mass. 996 Eddy St., Providence, R. I 13 Fountain Ave., Somerville, Mass. 126 Columbia St., Cambridge, Mass. 70 George St. Attleboro. Mass	
1LZ 1EIJ 1FN 1ASM 1ENP	Knowlton, Dean W Koetter, Max W. Kollen, Henry T Kraus, William L Kurth, Henry L. R La Marche, Harold E Landick, Robert E.	81 Sherman St., Portland, Me 71 School St., Sanlord, Me 25 Bellmont St., Reading, Mass 21 Lasell St., Auburndale, Mass 22 Central St., Manchester, Mass 132 Melrose St., Melrose, Mass 132 Melrose St., Melrose, Mass 145 Appleton St., Holyoke, Mass 105 Chestnut St., Camden, Me 48 Congress St., Belfast, Me 554 Broadway, Everett, Mass 986 Eddy St., Providence, R. I 13 Fountain Ave., Somerville, Mass 120 Columbia St., Cambridge, Mass 77 Park St., Lynn, Mass 77 Park St., Lynn, Mass 78 S. Water St., New Haven, Conn 12 Lincoln St., North Adams, Mass	

FIRST DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS-Continued.

Call ignal.	Owner of station.	Location of station.	Power
			Kw.
IKU	Lamb, Claude M	244 Federal St., Greenfield, Mass	0.
GD	Lane, Frederic A	7 Madison Ave., Gloucester, Mass	
GK	Lamb, Claude M Lane, Frederic A Lang, Stanley W	7 Marlson Ave., Gloucester, Mass 799 Tyler St., Pittsfield, Mass 27 Barnett St., New Britain, Conn	1.
EIV	Lawver, Lauphere K	27 Barnett St., New Britain, Conn	
FL	Larrabee, Charles W	176 Prospect St., Portland, Me. 101 Broadway, Newport, R. 1. 76 Camp St., Providence, R. 1. 78 Bay State Ave., Somerville, Mass. 20 Lafayette St., Portland, Me.	
UH	Learnee, Alpha A Leathers, John W Leavitt, Vernal A Lefave, Stanley J Lefel, Ralph J Lefeld, March Harold M	101 Broadway, Newport, R. I.	
UZ JA	Leathers John W	78 Bay State Ave. Somerville Mass	
FQ	Leavitt. Vernal A.	26 Lafavette St., Portland, Me.	
WF	Lefave, Stanley J.	130 Tremont St., Melrose, Mass.	
EIE	Leidel, Ralph J	284 Warren St., Providence, R. I.	
IF	Leighton, Harold M	23 Walnut St., Lynn, Mass.	
MR	Leonard, Frederick D	853 8. Main St., Mansheld, Mass	
ANL	Leighton, Harold M. Leonard, Frederick D. Leonard, James A. Leonard, Theodore Lessard, Walter Lewis, George B. Lewis, Kenneth P.	26 Lafayette St., Portland, Me. 130 Tremont St., Metrose, Miss. 28 Warren St., Providence, R. I. 25 Walnut St., Lynn, Mass. 25 Walnut St., Lynn, Mass. 30 Newhall St., Lynn, Mass. 1188 State St., Bridgeport, Conn. 636 Broad St., Central Falls, R. I. North Heven Conn.	
ESR	Lecurd Walter	636 Broad St. Central Falls R I	
E8H VV	Lawis George B	North Haven, Conn. 124 Maplewood Ave., Gloucester, Mass.	
EIM	Lewis, Kenneth P.	864 Million (1942 24 40.) (110/HCLD101, 31/100	
AAR	Lewis, William H., jr	226 Upland Rd., Cambridge, Mass	
BB	Lindsay, Alexander M., Jr	Manomet, Mass	1. 1.
8C	Lawis, William H., jr. Lindsay, Alexander M., jr. Lipson, Edward. Lisker, William Little, Noel C. Lohed, William J., jr. Lomnitzer, Frank W. Loomis, George A. Loomis, Harold C. Loring, Wilfred B. Lovis, Donald B. Loveloy, Julian	Manomet, Mass. 38 Overlea Ave., Fast Saugus, Mass. 141 Chester Ave., Providence, R. 1. 8 College St., Brunswick, Me.	1.
8P	Lisker, William	9 College St. Description Ma.	
AEL	Labord William I in	8 College St., Brunswick, Me	
EIL BM	Lompitzer Frank W	1365 E. Main St., Bridgeport, Conn	
EÏY	Loomis, George A	119 S. Main St., St. Albans, Vt.	
WU	Loomis, Harold C	18 Oakland Ter., Hartford, Conn.	
KI	Loring, Wilfred B	Plympton, Mass	
NY	Lovis, Donald B	2 Clifton Ave. Campello, Mass. 1365 E. Main St., Bridgeport, Conn. 119 B. Main St., St. Albans, Vt. 18 Oakland Ter., Hartford, Conn. Plympton, Mass. 26 Adelaide St., Jamaica Plain, Mass. Littleton, Mass.	1.
EMB	Lovejoy, Julian	Littleton, Mass.	1
FF	Lovejoy, Julian Lowell, Philip E Ludgate, Roswell V	Portland Pier, Portland, Me. 239 Broadway, Cambridge, Mass. 205 Peck Ave., West Haven, Conn.	
ASR ENJ		205 Peck Ave., West Haven, Conn	
ESD	Lyman, Charles F., ir.	Dover, Mass	
ANE	Lyman, Charles F., jr. Lyman, Edward W. Lyman, Reginald P.	100ver, Mass. 25 Pine St., Pittsfield, Mass. 27 S. Main St., Rutland, Vt. 200 Geneva Ave., Dorchester, Mass. High School, Beverly, Mass. 20 Abbott St., Beverly, Mass. 20 Clock Ter., Newtonville, Mass. Highland Square, Lynn, Mass.	
ASH	Lyman, Reginald P	27 S. Main St., Rutland, Vt	
NT_	Lynch, John l'	200 Geneva Ave., Porchester, Mass	
EAE	Lyman, Reginald P. Lynch, John P. Lynch, Sherman W. Lynch, Sherman W. Lynde, Kenneth R. Lynn English High School Lynn, Harold W. Lyon, William H.	26 Abbott St. Rayarly Muss	
SJ HE	Lynch, Sherman W	20 Chelia Ter. Newtonville Mass	1.
VK	Lynn English High School	Highland Square, Lynn, Mass	1.
MW	Lynn, Harold W	107 Alden St., Whitman, Mass	
ML	Lyon, William II	East Lexington, Mass. 28 Chester St., Watertown, Mass.	:
ATS	Macurdy, Ernest H. MacLeod, Charles M. Mahoney, Charles J. Man, Edward H. Manchester, Arthur W. Manchester, Edwin F.		
RE	MacLeod, Charles M	11 St. Stephens Court, Lynn, Mass	:
TN	Manoney, Charles J	North Stonington Conn	
TG	Manchester Arthur W	31 Newport Ave., Newport, R. I	
cw	Manchester, Edwin F	4 Park Place, Portland, Me.	
TH	Manuel, Lloyd	6 Nichol Ter., Newport, R. I	1
UT	Marcroft, Jesse	Warwick, R. I.	
EY	Manuel, Lloyd Marcroft, Jesse Marcroft, William Marden, Frank O	11 St. Stepnens Court, Lynn, Mass 18 Pond Ave., Newport, R. I North Stonington, Conn. 31 Newport Ave., Newport, R. I 4 Park Place, Portland, Me. 6 Nichol Ter., Newport, R. I Warwick, R. I 250 Elm St., South Portland, Me.	
AB	Marden, Frank U	11 Heard St., South Fortland, Me	
GP			
NG	Marshall, Robert E. Marshall, T. Stanley. Martin, Paul S. Massachusetts Institute of	1 Hobart St., Danvers, Mass	1
ENA	Martin, Paul B	79 7th St., Turners Falls, Mass.	i.
LC	Massachusetts Institute of	Boston, Mass	1
	Technology.		
AAB	Massey, John C.	3 Whitwell Avo., Newport, R. I.	
MT	Mathewson, Oliver W	34 Corona St., Porchester, Mass	
AEX	Mayer Arthur W	34 Corona St., Dorchester, Mass. 32 Arlington St., West Haven, Conn. 7 Chestnut St., Jamaica Plain, Mass.	
EAY	McCarthy, George E.	20 Bolden St., New Britain, Conn.	
ER	Maurer, Frank T. Mayer, Arthur W. McCarthy, George E. McCurdy, Bruce H.	81 Parade St., Providence, R. I	
NW			
END	McElroy, George A McGrath, Joseph L McHenry, Albert T McIntosh, Harold W	88 Forest Ave., Portland, Me	
IQQ ITZ	McGrath, Joseph L	206 Fayette St., Wollaston, Mass	
ITZ	Meletry, Albert T	04 Cutter St., Metrose, Mass	
ICX IASC	McKay John & R	259 Pond St., Roston, Mass	
iCU	McKay, John S. R. McKay, Preston L. McKinhey, Roscoe H. McLane, Henry R.	54 Plymouth St., Carver, Mass	1
LABV	McKinney, Roscoe H.	54 Plymouth St., Carver, Mass. Thomaston, Me. 342 Union Ave., Laconia, N. H.	
1CM	Maxama Daner D	240 Union Ave. Locopio N. H.	1.

54257°-16-8

FIRST DISTRICT—Continued.

Call signal.	Owner of station.	Location of station.	Powe
			Kw.
1VD	McMahon, John F., jr	56 West Ave., South Norwalk, Conn	0.
1LX	McMahon, John F., jr McMahon, William G	6 Rockland St., Melrose Highlands, Mass	
1AAN	McNamara, Frederick W	23 Alpine St., Arlington, Mass	
1ESX	Meader, Raymond B	R. F. D. No. 1, Rochester, N. H.	
1EZ	Medbery, Chester H Meggison, Forrest L Meggison, Wilbur P Mellor, Joseph W. Melvin, Arthur W. Merer, W. Roy. Merritt, Hyland E. Merrow, Ernest W. Meynell, Louis C.	7 Sprague Ave., Cranston, R. I	
1FM	Meggison, Forrest L	82 Central St., Westbrook, Me	
1FJ	Meggison, Wilbur P	13 Mechanic St., Westbrook, Me	
1UC	Mellor, Joseph W	D. F. D. No. 1 Chalmoford Mass	
1QH	Meivin, Artnur W	R. F. D. No. 1, Chelinslord, Mass	
ISA IUY	Mercer, W. Roy	18 Lowdon Ave Comerville Macs	
101 1ASI	Morrow Franct W	18 Lowden Ave., Somerville, Mass 21 Houghton St., Worcester, Mass 49 Waban Hill Rd., Newton, Mass	
1ATM	Meynell, Louis C	49 Wahan Hill Rd Newton Mass	
BB	Mills Rruca M	48 Crescent St., Rutland, Vt	
IATZ	Mills, Bruce M	48 Crescent St., Rutland, Vt	
IND	Mix. Donald G	1 Kensington Heights, Worrester, Mass. 144 Lawton Ave., Lynn, Mass. 424 Wethersfield Ave., Hartford, Conn.	
IABH	Mooradian, Arom P Morrill, Donald H	144 Lawton Ave., Lynn, Mass	
IESJ	Morrill, Donald If	424 Wethersfield Ave., Hartford, Conn	
ESI.	Morris, Joseph A	56 Cedar St., New Britain, Conn. 137 Ingham St., Willimansett, Mass.	1
ISQ	Morrison, II. R	137 Ingham St., Willimansett, Mass	
EME	Morrison, Raymond D	1 17 Mallione 4 ve Newbort R I	1
VU	Morse, Harold J	10 Clark St., Hartlord, Conn	
IBK	Morse, Walter J	10 Clark St., Hartford, Conn 24 Terrill St., Rutland, Vt. 79 Lonsdale St., Dorchester, Mass 6 Francis Ave., Pittsfield, Mass	1
IQO	Morton, Adelbert R	G Francis Ava PittsGold Noss	
IGO	Morse, Hardid J Morse, Walter J Morton, Adelbert R Morton, Sidney Mosher, Albert E Mosher, Clifton E	25 Forget St. Laurence Mass	
AEX	Mosner, Albert E	35 Forest St., Lawrence, Mass. 11 Jenny Lind St., New Bodiord, Mass. Bartlett & Clinton Sts., Portsmouth, N. II.	
011	Mosner, Chiton F		
IENO ITB	Muehl, Gottfried Mulvihill, Francis A. Munroe, Henry W. T. Murphy, Charles F.		1.
HW	Munroe Honry W T	38 Beacon St., Everett, Mass	
EIU	Murphy Charles F	1 51 Fecay St Mariboro Muce	
PX	Murphy Harry J.	Florence, Mass	
MC	Murphy, Harry J. Murray, Albert F. Murray, James J.	Florence, Mass. 21 Norway St., Boston, Mass.	
AAM	Murray, James J	28 Wensley St., Boston, Mass. 64 Fairmont Ave., Newton, Mass.	
QF	Nash, Paul	1 04 Fall Holle Ave., Newton, Mass	
IFS	Nash, Paul Nash, William A	43 Granite St., Biddelord, Me	
AAD	Needham, Raymond W Neuhaus, Theodore F	10 Grove St., l'ittsfield, Mass	
AAD WN	Neuhaus, Theodore F	Windsor, Conn	1.
RY	Newcomb, Roland D Newton Technical High School. See Harrington, Charles B.	16 Wehster St., Atlantic, Mass	
1T ()	Newton Raymond C	292 California Ave., Providence, R. I.	
EB	Newton, Raymond C Nichols, John S	60 Edward Ave., Pittsfield, Mass	1.
FR FU	Nicholson, James H	119 Washington Ave., Portland, Me	1.
GH	Nickerson Arthur B	33 Radeliffa Rd., Somerville, Mass	
SG	Nickerson, Edgar W Noble, Lewis C	16 Atlantic Ave., Beverly, Mass	
OJ	Noble, Lewis C	35 Woodlawn Ave., Wellesley Hills, Mass	
ŘU	Norcross, Warren	16 Atlantic Ave., Beverly, Mass. 35 Woodlawn Ave., Wellesley Hills, Mass Needham, Mass Fall River, Mass	
EAF	Norwell, Joseph C	Fall River, Mass	
QA	Nyguist, Norman A	107 Chestnut Ave., Jamaica l'Iain, Mass	11
SU	Notle, Lewis U. Norcross, Warren. Norwell, Joseph C. Nyquist, Norman A. O'Brien, David W. O'Brine, Daniel J. O'Connor, Cornelius T.	107 Chestnut Ave., Jamaica Plain, Mass. 178 Second St., Pittsfield, Mass. 152 Bridge St., Manchester, Mass.	
OB	O'Brine, Daniel J	10 Comparthweits St. Combridge Moss.	
BB	O'Hore John F	66 Rossatt St. Lynn Mass	
ANZ	O'Hara, John F. Ohlson, Olof. Oliver, H. E. Oliver, Herbert W.	10 Cowperthwaite St., Cambridge, Mass. 66 Bassett St., Lynn, Mass. 472 Crafts St., Newton, Mass. 235 Springside Ave., Pittsfield, Mass.	
IX	Oliver H F	235 Springside Ave., Pittsfield, Mass	
TH	Oliver Herbert W	164 Allen Ave., Lynn, Mass.	
SD ESE	O'Neill, John D		
ANO	Osborne, Roger W	15 Olney Pl., East Lynn, Mass	
MO	Ostan Jan Engamon I in	15 Olney Pl., East Lynn, Mass. 73 Charles St., Springfield, Mass. 57 Wollaston Ave., Arlington Heights, Mass.	
GN	Ostrander, Freeman J., Jr. Palmer, Charles A. Palmer, Russell S. Palmquist, Walter N. Park, Francis E., jr.	57 Wollaston Ave., Arlington Heights, Mass	
WK	Palmer, Rae C	320 Wethersheld Ave., Hartlord, Conn	1
PC	Palmer, Russell S	02 Control St. Somerville Mace	
ANQ	Palmquist, Walter N	701 Cranston St., Providence, R. I	
VY	Park, Francis E., jr	701 Cranston St., Providence, R. I. 359 Main St., Stoneham, Mass. 246 Broadway, Somerville, Mass.	
JC	Parker, John A. Parker, Leighland F. Parker, Wesley G.	246 Broadway, Somerville, Mass	W .
BY	Parker, Leighland F	Island Pond, Vt. 37 Cherry St., New Britain, Conn. Reading, Mass. 613 California St., Newtonville, Mass. 11 Holmes St., Malden, Mass.	1.
EAB	Parker, Wesley G	37 Cherry St., New Britain, Conn	
SH	l'armelee, Albert U	Keading, Mass	
IE	Paton, Raymond	11 Holmes St. Wolden Mass	19.
	Fratian, Ernest L. U	11 110tilles of , Maidell, mass	
IG	Dawson Cilbort D :-		
IG IOM	Patten, Ernest L. O. Payson, Gilbert R., jr.	545 Belmont St., Belmont, Mass	
IIG IOM IUB IUN	Payson, Gilbert R., jr Pease, Reginald M	11 Hollies St., Marten, Mass. 545 Belmont St., Belmont, Mass. 5 W. Park St., Providence, R. I. Middletown, R. I. Chatham, Mass.	

FIRST DISTRICT—Continued.

Call ignal.	Owner of station.	Location of station.	Powe
			Kw.
RF	Pennypacker, Thomas R	6 Chauncy St., Cambridge, Mass	0.
DB	Perry, Horace R Petersen, Hans C. W	74 Winter St., Portland, Me	
ATL	Peterson, Robert M	3 Blodgett Pl. Wornester Mass	
EMP	Petrie Andrew L.	6 Chauncy St., Cambridge, Mass	
KK	Pettey, Raymond A Pettipas. William P Phelan, Harold	Dartmouth, Mass. 14 Friend Street Pl., Lynn, Mass. 35 Cedar St., Wakefield, Mass. 102 Rodman St., Fall River, Mass.	
PN	Pettipas, William P	14 Friend Street Pl., Lynn, Mass	- 2
ESI EW	Phelan, Lawrence T	102 Rodman St., Wakeheld, Mass	-
WB	Philbrook, Robert G	Greenwood, Mass	
SE	Philbrook, Robert G Phillips, Henry D Pickles, Joseph A	Greenwood, Mass. 11 Haskell St., Cambridge, Mass. 38 Emery St., Saniord, Me.	
AO	Pickles, Joseph A	38 Emery St., Santord, Me	
EN IL	Pierce, Frederick H	High School Bldg., Lewiston, Me	
ENL	Pierce, Robert. Pierson, George B. Pinkham, Everett C. Pinnington, William	70 Westland Ave., Boston, Mass. 173 Howard Ave., New Haven, Conn. 92 Franklin St., Waterlown, Mass. 71 Jouvett St., New Bedford, Mass.	
ATC	Pinkham, Everett C	92 Franklin St., Waterlown, Mass	
HAA	Pinnington, William	71 Jouvett St., New Bedford, Mass	
EMG	Plaisted, Frank II. Polleys, William V., jr. Poole, Willard II. Poole, Willard H. Poor, Stearns.	142 Davis Ave., Brookline, Mass	
EMR	Poole Willard H	229 Relmont St. Full River Mass	
EMR EMS	Poole, Willard H	229 Belmont St., Fall River, Mass. Durfle High School, Fall River, Muss. 100 Valentine St., West Newton, Mass.	
ASE	Poor, Stearns	100 Valentine St., West Newton, Mass.	
ABP		2 Winthrop, Danvers, Mass	
ATN WX	Powell Mim Cool	88 Feemington Ava. Huettord Conn	1
JS	Potter, Robert G. Powell, Miss Cecil. Powers, Leonard S.	2 Winthrop, Danvers, Muss. 50 Garfield St., Watertown, Muss. 86 Farmington Ave., Hartford, Conn. 431 Plymouth St., Carver, Muss. 266 Fairview St., New Britain, Conn.	
DR	Prinitis, George	266 Fairview St., New Britain, Conn	1
JG	Pratt, Fearing. Pratt, Phinehas W. Pratt, Rahma W. Pratt, Walter L.	120 Main St., Hingham, Mass.	
ABM AN	Pratt, Phinehas W	100 Harvard St., Everett, Muss. 207 Longfellow St., Westbrook, Me 50 Hartsuff St., Rockland, Mass. 6 Lincoln St., Stoneham, Mass.	
PJ	Pratt. Walter L.	50 Hartsuff St., Rockland, Mass	
RK	Prescott, Earle M	o Lincom St., Stonenam, Mass	
AAC	Prinz, Julius C	5 Charles St., Newport, R. I	1
QM PY	Proulx, George II	147 Pemberton St., Cambridge, Mass.	
MP	Pulley, Lester A. Purssell, Clarence V	33 Portor St., Melrose, Mass	
ASO			
PZ	Ranlett, Frederick J., jrRay, Charles H. Redfield, Kendall A. Redick, Kenneth T. Reed, Coleman C.	357 Central St., Auburndale, Mass	
IK	Ray, Charles H.	R. F. D. No. 2, Auburn, Me.	
AEO DY	Redield, Kendall A	Navington Conn	,
CQ	Reed, Coleman C	672 Marlboro St., Keene, N. H.	1
PO		61 Chestnut St., New Bedford, Mass	1
ANV	Reed, Parker C. Reed, Sherman A. Reeves, Clarence E.	37 Norway St., Boston, Mass	
BO EAG	Reed, Sherman A	19 Dunbar St., Keene, N. H	
HS	Reese, Lauren A	181 Woodlawn Ave., Pittsfield, Mass.	
SZ	Reid, Ralph A	8 Cedar St., Wakefield, Mass	
EAM	Remington, Frederick II	260 St. Botolph St., Boston, Mass	
	Revere High School. See Fenno, Stanley W.		
ST	Reynolds, J. Louis Reynolds, Walter W Reynolds, Walter W Reynolds, William B Rhodes, Clarence A Rice, Alonzo H., jr Richmond, Harold B	20 Cordon St., Framingham, Mass	
CP	Reynolds, Walter W	19 Marlboro St., Belmont, Mass. 37 State St., Framington Center, Mass. 50 Sedgewick St., Bridgeport, Conn.	
GE	Reynolds, William B	37 State St., Framington Center, Mass.	
DI ANR	Rhodes, Clarence A	SU Sedgewick St., Bridgeport, Conn	
IA	Richmond Harold B	12 George St., Medford, Mass	
JX	Rinaldi, Henry L	34-A Ibbetson St., Somerville, Mass	
CC	Rinaldi, Henry L. Robert, Fortuna Robillard, Paul M. Robinson, B. C.	12 George St., Medford, Mass. 12 George St., Medford, Mass. 34-A Ibbetson St., Somerville, Mass. 458 Lowell St., Manchester, N. H. 149 State St., New London, Conn.	
DD BR	Robillard, Paul M	149 State St., New London, Conn	
GR			1
FE	Robinson, Laurence B	R. F. D. No. 2. Gorham, Me.	
EJ	Robinson, Laurence B Robinson, Philip F Rogers, Harold A	R. F. D. No. 2, Gorham, Me. 149 Hollis Ave., Braintree, Mass. 39 Paulena St., West Somerville, Mass.	
EMU	Rogers, Harold A		
ENV AEN	Root, Édward L		
EL	Rosenbloom, William	30 Wordh School St., Manchester, Colling 33 Woodlawn St., Lynn, Mass. 108 Thornton St., Revere, Mass. 135 Dale St., Waltham, Mass. 110 Loring Rd., Winthrop, Mass.	
MS	Rowell, Kendall B	135 Daie St., Waltham, Mass	
UW	Rowell, Kendall B	110 Loring Rd., Winthrop, Mass	
LS BT	Runey, Leon C	49 Fairmont St., Belmont, Mass	
RR	Rusk Ian M	West Townsend, Mass	
ATD	Ryan, James F.	110 Loring Rd., Winthrop, Mass. 49 Fairmont St., Belmont, Mass. 192 Adams St., Lakewood, R. I. West Townsend, Mass. 51 E. Liberty St., Waterbury, Conn. 86 Calhoun St., Springfield, Mass. 124 Prairie Ave., Providence, R. I.	
EML			

FIRST DISTRICT—Continued.

Call signal.	Owner of station.	Location of station.	Power
.77	O. T. D. L. M.	200 Aurora Varra Court Provinctor Mars	Kw.
1IZ	St. James, Robert T	38 Avery Lane, Great Barrington, Mass. 258 1st St., Pittsfield, Mass. Darien, Conn. 81 W. Main St., Ivoryton, Conn. 17 N. Elm St., Waterbury, Conn.	1.0
1QI 1AEI 1WT	St. James, Vincent	Darien, Conn.	1.0
1WT	Salzgeber, John W Sam, C. King	81 W. Main St., Ivoryton, Conn	
1WH	Sam, C. King	17 N. Elm St., Waterbury, Conn	1.
IDX IHL	Sargent, Frederick G Saugus High School. See Senay Charles T.	Stamford, Com. Westford, Mass. Richmond, Me	1.0
1FD	Saunders, Frank	Richmond, Me	1.0
IQB IAV	Saunders, George B	52 Francis St., Boston, Mass	
İHK	Sawyer, Harry L Sayward, Lyman W Scher, Harold C	253 Belmont St., Wollaston, Mass.	
LASG	Scher, Harold C	20 Ashton Ave., Beverly, Mass	
IIN	Schwartz, Walter P	3 Thatcher St., Hyde Park, Mass	
LM	Scott, Kenneth G	27 Alston St., Somerville, Mass.	
1LT 1EU	Saihert Leroy G	Berlin Conn	
IIM	Senay, Charles T	Saugus High School, Saugus, Mass	
1ANM	Schert, Harold C. Schwartz, Walter P. Scott, Kenneth G. Scott, Ralph A. Seibert, Leroy G. Senay, Charles T. Senior, William B. Shattuck, George F.	68 Mechanic St., Westerly, R. I.	
IIU IAEQ	Shattuck, George E	227 Broad St., North Attleboro, Mass	
1BN	Shaw Raymond H	10 E. Washington St., Rutland, Vt.	
1DC	Sheehan, Walter J	40 Terrace Ave., Waterville, Conn	1.0
1AS	Shattuck, George E. Shaw, Arthur M. Shaw, Raymond H. Sheehan, Walter J. Sheffield, Irving J.	25 Warren St., Hallowell, Me	1.0
IIV	Sherman, Israel Sherman, Joseph E	55 Revere St., Boston, Mass	
1MQ	Shirt, Arthur G	18 Augustus St. Fall River Mass	
IGG IRX	I Shorey, G. Faxon	249 Grove St., Melrose, Mass	
1QU	Shortis, John	5 Chelsea St., Charlestown, Mass	
ISM	Sias, Cyril W	62 Kensington Ave., Springheld, Mass	1.0
IWO IRC	Simmons Minot A	124 Reach St., Roslindale, Mass	1.0
IDF	Simsbury High School	Simsbury, Conn	.:
1AL_	Sinnett, Chester M	Bailey Island, Me	
IASX IRQ	Sisson, Harry D., jr	41 Brenton Ter., Pittsfield, Mass	
IVI	Slawson, Spencer W	Brookside Drive, Greenwich, Conn.	
AEK	Shortis, John Sias, Cyril W Simkin, Colin Simmons, Minot A Simsbury High School Sinnett, Chester M Sisson, Harry D., ir. Sistare, Donald B Slawson, Spencer W Sleeper, Joseph N Smith, Edward S. C. Smith, Kirk E.	Bailey Island, Me. 41 Brenton Ter., Pittsfield, Mass. 48 Forest St., Springfield, Mass. Brookside Drive, Greenwich, Conn. Sanbornton, N. H.	
AD	Smith, Edward S. C	55 South St., Biddeford, Me	
100 Гут	Smith, Edward S. C. Smith, Kirk E. Smith, Lewis J. Snow, Albert E. Snow, David F. Snow, David F. Snow, Harold C. Somerville, Paul S. Soney, Hanry C.	55 South St., Biddeford, Me. 300 Park St., West Springfield, Mass. 7 Cedar St., Norwich, Conn.	
VT EK	Snow, Albert E	Orleans, Mass	
IJF	Snow, Albert E	30 Carry Ave., Chelsea, Mass	1.0
IAAX IGA	Snow, David F	15 Lincoln St., Arlington, Mass	
BJ	Somerville, Paul S	32 Cliff St., St. Johnsbury, Vt.	
ITT IAEU	Soney, Henry C	11 Poindexter St., Lynn, Mass	
LAEU	Soney, Henry C. Southworth, Arthur P. Southworth, Palmer H.	122 Chestnut St., Wakefield, Mass.	
IVN ITE	Sparrow Edward	Southborn Mass	:
1 LA	Sparrow, Edward Spear, G. Dana Spencer, Bonifield M	32 Common St., Walpole, Mass	1.
1ATQ	Spencer, Bonifield M	17 Maple St., Attleboro, Mass	
1AST 1FG	Spencer, Walter B	41 Pleasant St., West Hartlord, Conn	:
1EMF	Spencer, Walter B. Spinney, Charles E. Stacy, Frank A. Stackhouse, Walter T. Stackpole, Leroy E.	7 Dodge Court, Danvers, Mass	
10W 1AA	Stackhouse, Walter T	86 Crescent Ave., Revere, Mass	
1AA	Stackpole, Leroy E	53 River St., Sanford, Me	:
1TU 1VR	Stack pole, Nelson D	Noroton Haights Conn	:
1WP 1GZ	Stallworth, Henry H	50 Liberty St., Hartford, Conn	
1GZ	Stansfield, Arthur C	17 Montgomery St., Lawrence, Mass	
HB.	Stanyan, Starr W	76 Boston Ave., West Mediord, Mass	
1LU 1TQ	Stagg, Uberto K. Stallworth, Henry H. Stansfield, Arthur C. Stanyan, Starr W. Staples, Lloyd E. Stark, William H. Storkweather John B.	258 Ives St., Providence, R. I	
1NM	Starkweather, John B	17 Gibson Rd., Newtonville, Mass	
1VS	Starkweather, John B. Steadman, Robert C.	31 Park Rd., Brockton, Mass	
1DL 1RW	Steele, Maitland	260 Brighton Ava Roston Mass	:
1BH	Sterling, George E.	28 Paine St., Springvale, Me.	
1LN	Sterling, Roy	21 Coral St., Lowell, Mass	
1ABR	Stevens, Charles L	19 Lincoln St., Stoneham, Mass	
1FY 1AAP	Steele, Matland Steeves, Arthur Sterling, George E. Sterling, Roy. Stevens, Charles L. Stevens, Charles R. Stevens, Louis W. Stimson, Robert C. Stiness, Samuel	300 Park St., West Springfield, Mass 7 Cedar St., Norwich, Conn. Orleans, Mass. 30 Carry Ave., Chelsea, Mass. 31 Lincoln St., Arlington, Mass. 41 Paradise Rd., Swampscott, Mass. 42 Cliff St., St. Johnsbury, Vt. 11 Poindexter St., Lynn, Mass. 122 Chestnut St., Wakefield, Mass. 124 Chestnut St., Wakefield, Mass. 125 Common St., Walpole, Mass. 126 Common St., Walpole, Mass. 127 Maple St., Attleboro, Mass. 127 Maple St., Attleboro, Mass. 137 Maple St., Attleboro, Mass. 14 Pleasant St., West Hartford, Conn. 14 Winter St., Sanford, Me. 15 Dodge Court, Danvers, Mass. 16 Crescent Ave., Revere, Mass. 17 Maple St., Sanford, Me. 18 Noroton Heights, Conn. 19 Liberty St., Hartford, Conn. 19 Liberty St., Hartford, Conn. 19 Liberty St., Hartford, Conn. 10 Liberty St., Lawrence, Mass. 16 Boston Ave., West Medford, Mass. 17 Matfield St., East Bridgewater, Mass. 18 I Park Rd., Brockton, Mass. 19 I Park Rd., Brockton, Mass. 190 Park St., West Hartford, Conn. 260 Brighton Ave., Boston, Mass. 28 Paine St., Springvale, Me. 21 Coral St., Lowell, Mass. 30 Worcester St., Framingham Center, Mass. 30 Worcester St., Framingham Center, Mass. New London, N. H	7
ICA ITK	Stimson, Robert C	394 Riverway, Boston, Mass. New London, N. H 260 Broad St., Central Falls, R. I.	
1TK	Stiness, Samuel	260 Broad St., Central Falls, R. I	1.

FIRST DISTRICT—Continued.

Call ignal.	Owner of station.	Location of station.	Power	
			Kw.	
KL	Stocker, Clarence I	65 N. Franklin St., Lynn, Mass	0.	
GY	Stocker, Clarence I	66 N. Franklin St., Lynn, Mass		
BL	Stone, Clayton P	14 Portland St., St. Johnsbury, Vt	:	
AES	Stone, Perry	109 Ocean Aug Burtland Me		
ANS	Strang, Paul 8. and Olin T.	15 West 8t., New London, Conn. 198 Ocean Ave., Portland, Me. 58 N. Bencon 8t., Allston, Mass. 215 Federal St., Greenfield, Mass. 151 8. Elm 8t., Waterbury, Conn.		
PL	Stratton, Rolland A	215 Federal St. Greenfield, Mass		
EMN	Steamb Alphones B	151 S. Elm St., Waterbury, Conn		
OQ.	Struthers, Francis W	Townsend, Miss 12 Main St., St. Johnsbury, Vt. 1 Bennett St., Sanford, Me.		
BG	Stuart, Hamilton C	12 Main St., St. Johnsbury, Vt		
AC	Stubbs, Edward T	1 Bennett St., Sanford, Me		
JH	Sturtevant, Windsor	219 Florida St., Springfield, Mass		
HD ASO	Sullivan, John F	435 E. 6th St., Springhed, Mass. 434 Massachusetts Ave., Arlington, Mass. 29 Foster St., Fall River, Mass. 42 Dix St., Dornhester, Mass. 6 First South St., Bar Harbor, Me.		
NF	Sutcliffe Raymond S	20 Foster St. Fall River Mass		
EAN	Swanton, William A Tabbut, Arthur R	42 Dix St., Dorchester, Mass.		
AK	Tabbut, Arthur R	6 First South St., Bar Harbor, Me		
EIK	Tarment, Rainh E	381 Main St., Everett, Mass		
OG	Tarr, Gertrude E	881 Main St., Everett, Mass. 8 High St., Rockport, Mass. 45 Parker St., Chelsea, Mass.		
OX	Tarr, Melville 8	45 Parker St., Chelsea, Mass	:	
EAV EIQ	Tatreault, Ernest	NOTUDDIUGO, MUSS		
EAS	Taylor, Allred C	55 Bromfield St. Wolliston Mass		
ABE	Taylor, Frederic W	30 S. Main St., Attleboro, Mass.		
BZ	Tarr, Meiville 8. Tatreault, Ernest. Taylor, Alfred C. Taylor, David F. Taylor, Frederic W Taylor, George F. Taylor, James W Taylor, Walter A	45 Parker St., Chelsea, Mass. Northridge, Mass Northridge, Mass 788 Hope St., Providence, R. 1. 55 Bromfield St., Wollaston, Mass. 30 S. Main St., Attleboro, Mass. Kennebunk, Me 62 Tremont St., Boston, Mass. 213 Walnut St., Lynn, Mass. 213 Walnut St., Lynn, Mass. 319 South Ave, Whitman, Mass. 7 Relmont St., Pawtucket, R. 1. 23 Williams St., New London, Conn 59 Kenmere Rd., Medford, Mass. 38 Montebello Rd., Jamaica Plain, Mass. 42 Pomeworth St., Stoneham, Mass. 42 Pomeworth St., Everett, Mass. 313 Belmont St., Everett, Mass.	1.	
IJ	Taylor, James W	62 Tremont St., Boston, Mass		
OD	Taylor, Walter A	3 Thurston St., Somerville, Mass		
QD	Taylor, James W Taylor, Walter A Therrien, Arthur J Thompson, James H Thompson, John E Travis, Gerald E Thompson, John E Trabar, Harold A	213 Walnut St., Lynn, Mass		
ŘП	Thompson, James H	319 South Ave., Whitman, Mass	:	
UI	Thornley, Howard W	7 Belmont St., Pawtucket, R. 1		
DQ HB	Tanula Carold F	50 Kanmara Rd Madford Mass		
NP	Travis Garald E	38 Montabello Rd., Jamaica Plain, Mass.		
GQ	Thompson, John E.	8 Grand St., Reading, Mass	******	
EIA	Tobey, Harold A	42 Pomeworth St., Stoneham, Mass		
EIF	Towner, F. Bruce	133 Belmont St., Everett, Mass		
TA EE	Tucker, Cecil A	21 Church St., Lynn, Mass		
EE	Tucker, Elton H	21 Church St., Lynn, Mass		
LV	Towner, F. Bruce. Tucker, Cecil A. Tucker, Elton H Tufts, J. Warren Tufts Wireless Society. See	43 Cornell Ave., West Somerville, Mass		
	Entwictle Guy R			
MG	Turner, Edwin E	72 Wyman St., Jamaica Plain, Mass		
PG	Tyler, Samuel F	28 Sargent St., Newton, Mass		
01	Entwistle, Guy R. Turner, Edwin E. Tyler, Samuel F. Tyrrell, Alanson B.	8 Ellis Ave., Medford, Mass		
KO	Upham, Howard B	20 Mt. Bowdoin Ter Boston, Mass	:	
BA	Varnum, George E	161 Chelsea St., Charlestown, Mass		
KV VB	Varnum, George E. Veeder, Chester F. Verbyla, Albert E. Vogel, Edward A. von Colln, Gustaf.	Gosnold, Mass 7 Center St., Danbury, Conn. 49 Curtis Ter., Pittsfield, Mass. 44 Flynt St., Quincy, Mass. 10 Ocean Ter., Lynn, Mass. Hanover, N. H. Footbow, Moss.	:	
HX	Vernylla, Albert F	49 Curtis Ter Pittsfield, Mass		
PF	von Colln. Gustaf	44 Flynt St., Quincy, Mass,		
ASV		1 Ocean Ter., Lynn, Mass		
ANW	Wadieigh, Paul F. Wadsworth, Arthur G. Wadsworth, Philip 8	Hanover, N. H		
OC	Wadsworth, Arthur G	Edstriam, blass		
BE VE KZ	Wadsworth, Philip 8	Eastham, Mass. 8 Hanover St., Portland, Me 69 Dearfield Drive, Greenwich, Conn 21 Woodbury St., Beverly, Mass		
VE	Walker, Alva 8	69 Dearhold Drive, Greenwich, Count.	'	
IW	Waldle, I nomas U	Littery Me		
EIB	Walker Loop F	21 Woodbury St., Beverly, Mass. Kittery, Me. 45 Nixon St., Dorchester, Mass.		
ATR	Walker, William G	53 Winthrop St., Everett, Mass		
EIT	Walker, William H	Burlington, Mass		
EII KC	Wallace, Malcolm E	6 Witherbee Ter., Marlboro, Mass		
KC	Wallace, Ralph H	1192 Morton St., Dorchester, Mass		
HP	Walker, Alva 8. Walker, Alva 8. Walker, Leon F Walker, Leon F Walker, William G Walker, William H Wallace, Malcolm E Wallace, Malcolm H Wallace, William H Wallace, William H Wallace, William H Wallace, William H Walker, Elmer H Walter, Howard 8.	63 Withfrop St., F. Verett, Mass. 6 Witherbee Ter., Marlboro, Mass. 1192 Morton St., Dorchester, Mass. 30 Hastings St., Cambridge, Mass. 20 Clavelund St. Malrose Mass		
JM	Walter, Elmer H	39 Cleveland St., Melrose, Mass Melrose, Mass. (portable station)		
EIW BW	Walton, Harold F	104 Elm St., Montpeller, Vt		
TC	Walton, Harold F. Ward, J. Stedman. Ware, Stanley P.	Meirose, Mass. (portable station) 104 Flm St., Montpeller, Vt 16 John St., Newport, R. I 75 Winthrop St., Everett, Mass. 103 Lexington St., Waltham, Mass.		
IP	Ware, Stanley P	75 Winthrop St., Everett, Mass		
MU	Warren, Bertmm E	103 Lexington St., Waltham, Mass		
	Watertown High School.			
	See, Colson, Helen B. Watson, Paul W	I THE WALL OF THE PARTY NAMED IN		
JI	Watson, Paul W	17 Waverly St., Everett, Mass 12 Russell St., Lewiston, Me 112 2d St., Newport, R. I. 12 Hampshire St., Everett, Masss.		
FZ EB	Weber, John H Watson, William F., jr Webster, Fullerton D	112 2d St. Nawport R T		

FIRST DISTRICT-Continued.

ALPHABETICALLY BY OWNERS OF STATIONS-Continued.

Call signal.	Owner of station.	Location of station.	Power
			Kw.
1EAL	Weeks, Walter R		1.
1LO ICR	Weicker, Theodore, jr	79 Prospect St., Stamford, Conn	
	Wellington, Ellsworth	Lunda St., Waltham, Mass	
1ABI	Wells, Herbert A	32 Nelson St., Dorchester, Mass	
1PP	Welsh, Michael J	2 Crescent Lodge, Melrose, Mass	
1PH	Werner, Gustave A. F	73 Hollingsworth St., Lynn, Mass	
1RV	West, Howard E	63 Chestnut Hill Ave., Brighton, Mass	
INR	Wetherell, Fred L	37 Peck St., Attleboro, Mass	
IVP_	Whipple, Harold B	172 Park St., Medford, Mass	
1A BW	Whiteomb, Raymond E	12 Gerry St., Stoneham, Mass	
1AT	White, Earle B	Belfast, Me	
1EMW	White, Elmir L., jr	61 Shurtleff St., Chelsea, Mass.	
1ABZ	White, I. Davis	Peterboro, N. H	
1QW	White, Thomas C	53 Perkins Ave., Malden, Mass	
1AEW	Whittaker, Laban H	38 Corona St., Dorchester, Mass	
1VA	Wickes, Henry W	Pleasant St., Winthrop, Mass	
1EMX	Wiesemeyer, Max L. A	Stonington, Conn	
1AG	Wilbur, Harold S	R. F. D. No. 6, Auburn, Me	
1GW	Wiley, James D	1548 Beacon St., Waban, Mass	
1BC	Wilson, Walter F	27 Grand St., South Portland, Me	
1AAW	Winant, Alvin C	West Medway, Mass	
1GF	Wolf, Charles F., jr	62 Division St., Pittsfield, Mass	
1ATV	Wood, E. Earl	Camden, Me	
1BD	Woodhead, Edward F	56 Summer St., Lewiston, Me.	
1ESN	Wright, Ira H	12 Closson St., Methuen. Mass	
1RL	Wright, Wendell L	12 Closson St., Methuen, Mass. 114 Exchange St., Rockland, Mass.	
1ATE	Young, Bruce W	23 Forest St., Arlington Heights, Mass	
1ENI	Young, Carl F	501 Union St., Portsmouth, N. H	
1EMY	Young, Frank A	525 W. Main St., Meriden, Conn	
1CO	Young, Sumner B	294 Ashmont St., Dorchester, Mass	
IDG	Yuon, Robert C	543 Stanley St., New Britain, Conn	
1P8	Zahn, Edward G	11 Enfield St., Jamaica Plain, Mass	
IVC	Zander, Joseph T	34 South St., Ansonia, Conn	
IENR	Zarth, William A	69 Myrtle Ave., Stamford, Conn	
10Y	Zwinge, Conrad J	776 Winthrop Ave., Revere, Mass	

ALPHABETICALLY BY CALL SIGNALS.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
144	Stackpole, L. E.	1ABE	Taylor, F. W.	1AEH	Halligan, W. J.
1444	Not issued.	1ABF	Fitch, C.	1AEI	St. John, F.
1AAB	Massey, J. C.	1ABG	Gravés, A. S.	laej	Bradshaw, W. B.
1AAC	Prinz, J. C.	1ABH	Mooradain, A. P.	laek	Sleeper, J. N.
1AAD	Needham, R. W.	I IABI	Wells, H. A.	lael	Little, N. C.
1AAE	Baker, W. F.	1ABJ	Brockington, H. G.	IAEM	Johnson, G. W.
1AAF	Drew, W. E.	IABK	Bent, A. E.	IAEN	Rosen, V. E.
1AAG	Ghen, M. W.	1ABL	Campbell, J. A.	IAEO	Redfield, K. A.
1AAH	Pinnington, W.	1ABM	Prati, P. W.	1AEP	Hunkins, F. L.
1A AI	Gray, A.	1ABO	Donnelly, G. F.	1AEQ	Shaw, A. M.
1AAJ	Custeau, H. G.	1ABP	Pope, D. R.	laer	Everett Evening
1AAK	Fowle, H. L.	IABQ	Crosby, L. W.		School.
IAAL	Burt, J. F.	1ABR	Stevens, C. L.	1AE8	Stone, P.
1AAM	Murray, J. J.	1ABS	Bliss, D. H.	IAET	Holmes, P. B.
1AAN	McNamara, F. W.	1ABT	Coolikoff, Jack.	1AEU	Southworth, A. P.
1AA O	Cheever, W. G.	IABU	Hertz, W. F. C.	1AEV	Hayden, KL
1AAP	Stevens, L. W.	1ABV	McKinney, R. H.	1AEW	Whittaker, L. H.
1AAQ	Butler, J. T.	labw	Whitcomb, R. E.	1AEX	Mosher, A. E.
IAAR	Lewis, W. H.	IABX	Hutchins, A. G., jr.	1AEY	Cross, L. F.
1448	Gould, C. S. Allen, L. H.	1ABY	Carr, A. H.	1AF	Hart, E. A.
JAAT	Allen, L. H.	1ABZ	White, I. D.	1AG	Wilbur, H. S.
1 A A U	Donahue, F. J.	1AC	Stubbs, E. T.	1AH	Goularte, M. L.
1AAV	Carter, G. T.	1AD	Smith, E.S.C.	1AI	Perry, H. R.
1AAW	Winant, A. C.	1AE	Stubbs, E. T. Smith, E. S. C. Dow, H. L.	1AJ	Fabbri, A.
1AAX	8now, D. F.	1AEA	deMars. P. A.	1AK	Tabbut, A. R.
1AAY	Etter, E.	1AEB	Flint, A. W.	1AL	Sinnett, C. M.
1AAZ	Bates, R. E.	1AEC	Not issued.	1 A M	Butler, Guy W. Pratt, R. W.
1ABA	Beattle, R.	1AED	Beebe, W. J.	1AN	Pratt, R. W.
1ABB	Not issued.	1AEE	Dickson, W. E.	IANA	George, E. B.
IABC	Clark, C. V.	1AEF	Gilman, S.	IANB	Bacuinka, P. L.
1ABD	Engel, R. B.	1AEG	Cornwell, W. J.	1ANC	Killam, P. 8.

FIRST DISTRICT-Continued.

ALPHABETICALLY BY CALL SIGNALS-Continued.

Call dgpål.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
AND ANE ANF ANG ANH ANI ANK ANL ANM	Not issued. Lyman, E. W. Fay, A. N. Godfrey, W. Aldrich, G. E. Erwin, W. C. Balley, C. E. Kurth, H. L. R. Leonard, J. A. Senior, W. B. Holbrook, F. L. Osborne, R. W. Hyda C. E.	IATV IATW IATX IATY IAU IAU IAV IAW IAX IAY	Wood, E. E. Brogan, A. R. J. Dean, R. L. Holcomb, H. A. Mitchell, A. H. Huntington, C. Richardson, G. D. Ham, E. G. Davies, O. E. Hill, E. R. Flint, E. R.	IDQ IDR IDS IDT IDU IDV IDW IDX IDY IDY	Doughty, J. H. Smith, P. B. Westmore, R. E. Edgerly, A. H., jr. Frost, R. S. Schwichtenberg W. A. Holdick, Wm. Sandreuter, S. Redick, K. T. Hammond, G. A.
NOPOLINA NATURAL NATURA NATUR	Osborne, R. N. Hyde, C. E. Palmquist, W. Rice, A. H., jr. Stoughton, E. Buck, R. C. Davis, C. D. Reed, P. C. Wadleigh, P. F. Bailey, W. L. Hayward, E. E., jr. O'Hara, J. F. Pickles, J. A. Downing, R. E. Clafith, H. M. Courl, A. N. Sheffield, I. J. Kenison, A. C. Huston, R. D. McKay, J. S. R. Dallin, E. B. Poor, S. Jordan, R. Scher, H. C. Lyman, R. P. Merrow, E. W. Harris, N. Coggins, P. P. Davis, E. W. Koetter, M. W. Arlington High School. Surrette, A. L. Watertown High School. Quinn, A. C. Ludgate, R. V. Spencer, W. B. Brown, I. M. Vose, C. H. Landick, R. E. Sisson, H. D., jr. Davis, H. W. Hendrick, E. A. White, E. B. Kempton, R. J. Dunham, C. S. Pinkham, E. C. Ryan, J. F. V. F. Spencer, R. J. Dunham, C. S. Pinkham, E. C. Ryan, J. F. V.	1BA 1BB 1BC 1BD 1BC 1BD 1BF 1BI 1BI 1BI 1BI 1BI 1BI 1BI 1BI 1BV 1BP 1BV 1BV 1BV 1CC 1CC 1CC 1CC 1CC 1CC 1CC 1CC 1CC 1C	Varnum, G. E. Lindsay, A. M., jr. Wilson, W. F. Woodhead, E. F. Wadsworth, P. Gates, P. H. Stuart, H. C. Sterling, G. E. Semons, R. W. Somerville, P. S. Morse, W. J. Stone, C. P. Lomnitzer, F. W. Shaw, R. H. Reed, S. A. Mills, B. M. Hackett, H. S. Robinson, B. C. Cusack, Hoyt, L. P. Walton, H. F. Howe, R. F. Parker, L. F. Taylor, G. F. Stimson, R. C. Southwick, H. F. Robert, F. Hitchcock, W. H. Dole, A. M. Godfray, C. T. Gordon, E. P. Gray, W. D. Hillson, R. E. Onens, C. E. Webster, F. D. McLane, H. R. Brown, T. S. Young, S. B. Reynoids, W. W. Reed, C. C. Weilington, E. Furlong, J. Collins, G. A. Manchester, E. F. McIntosh, H. W. Kelly, L. E. Bean, H. W.	IEAAABC LEAACD LEAACD LEAACD LEAACD LEAACD LEAACD LEAACD LEAACD LEAACD LEAACD LEAACD LEAACD LEAACD LEAACD LEAACD LEAACD LEAACD LEACACD LEACACD LECT LECT LECT LECT LECT LECT LECT LECT	Barker, G. D. Gavin, T. H. Parker, W. G. Hardy, R. C. Courtney, R. D. Beverly High School Norwell, J. C. Reeves, C. E. Berry, G. D. Ableis, C. A. Brassill, J. J. Blake, W. F. Weeks, W. R. Remington, F. H. Swanton, W. A. La Marche, H. E. Bowers, M. A. Downes, G. H. Jacques, A. E. Taylor, D. F. Feeney, P. F. Bowers, W. K. Tatreault, E. Marshall, R. E. Marshall, R. E. Marshall, R. E. Marshall, R. E. Marshall, R. C. Walte, L. A. Bixby, H. O. Williams, W. I. Bloom, P. H. Strang, P. S. Tobey, H. A. Walker, L. F. Cheebro, E. L. Anderson, J. D. Leidel, R. J. Towner, F. B. Sacs, J. G. Heffernan, E. Knight, W. W. Tarment, R. E.
TTE TOHIJKLMNOPORSTU	Ryan, J. F. Young, B. W. Ferguson, A. W. Carleton, F. J. Hunt, A. W. Drake, N. L. Black, O. M. Dieter, D. C. Peterson, R. M. Meynell, L. C. Potter, R. G. Davis, E. E. Hatfield, S. J. Spencer, B. M. Walker, W. G. Macurdy, E. H. Kraus, W. L. Doyle, W. J.	IDA IDB IDC IDD IDE IDF IDF IDI IDI IDI IDI IDI IDI IDI IDI	Johnson, A. A. Peterson, H. C. W. Sheehan, W. J. Robillard, P. Cowles, W. Kelsey, P. C. Yuon, R. C. Cook, L. W. Rhodes, C. A. Cole, G. E. Anderson, H. Steele, M. Dewey, K. C. Balcom, L. Cook, W. T. Himes, N. E.	IEIL IEIM IEIN IEIO IEIQ IEIR IEIT IEIU IEIV IEIV IEIX IEIX IEIZ IEIZ	Tarment, R. E. Loheed, W. J., jr. Lewis, K. P. Easton, L. F. Estabrooks, R. W. Hudder, P. B. Taylor, A. C. Knight, H. C. Newton Technica School. Walker, W. H. Murphy, C. F. Lawyer, L. A. Walter, H. S. Man, E. H. Loomis, G. Donovan, A. B. Robinson, P. F.

FIRST DISTRICT—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station
1FV	Snow A F	1E80	Howard F W	1HE	Lynda K R
1EK 1EL	Snow, A. E.	1ESP	Howard, F. W. Bradshaw, N. V.	iHF	Lynde, K. R. Gardnor, C. R.
	Rosenbloom, w.	iESQ	Hasbrouck, L.	ing	Inroet I. E
1EM 1EMA	Rosenbloom, W. Hiorns, K. E. Bauer, P. S. Lovejoy, J. Pleem H	iesk	Leonard, T.	ind	Jarret, L. F. Bushee, W. H.
1EMB	Loveing I	1ESS	Hick, H. R.	iHI	Burke, A. W.
iEMC	Bloom, H.	iEST	Eaton, R. E.	I IIJ	I Johnson, E. C. 2d
iEMD	De Lano, R. B.	1ESU		1HK	Sayward, L. W. Sargent, F. G. Hammett, H. M.
IEME	Morrison, R. D.	1ESV	Ashland, H. B.	lHL	Bargent, F. G.
1EMF	Stacy, F. A. Polleys, W. V., jr.	1ESW	renno, S. W. Ashland, H. B. Dodge, W. E. A. Meader, R. B. Dodge, J. B. Seibert, L. G. Almquist, F. A. Phelan, L. T. Keyes, P. E. Marcroft W.	1HM	Hammett, H. M.
1EMG	Polleys, W. V., ir.	1E8X	Meader, R. B.	1HN	Anderson, D. H.
1EMH	Copeland, B. W.	1ET	Dodge, J. B.	IHO	Bergmann, M. P. Wallace, W. H.
1EMI	Baker, J. S.	1EU	Seibert, L. G.	IHP.	Wallace, W. H.
1EMJ	De Lancey, C. P.	1EV 1EW 1EX 1EY	Distant T	1HQ 1HR	Eberlein, G. H. Elliott, T. H., jr.
IEMK	Dock, L.	1EA	Varion P. F.	I ins	Reese, L. A.
IEMK IEML IEMN	Ryder, M. P.	ifv	Marcroft, W.	iHT	Oliver H E
1EMO	Straub, A. B. Ireland, W. E. Petrie, A. L. Heidel, E. O. Poole, W. H.	iEZ	Medberry, C. H.	iHŪ	Oliver, H. E. Karl, H. J.
1EMP	Petrie A T.	122	2000bd1y, C. 21.	IHV	Chutter, G. A.
iEMQ	Heldel, E. O.	1FA	Gould, C. D.	1HW	Munro, H. W. T.
iEMR	Poole, W. H.	1FB	Saunders, F.	1HX	Vogel, E. A.
1EMS	Poole, W. H. (for	1FC	Baker, C. H.	1HY	Chutter, G. A. Munro, H. W. T. Vogel, E. A. Bennett, L. S.
	Durfee, H).	1FD	Crie, O. H.	1HZ	Duncan, H. E.
1EMT	Hoopes, T. T.	1FE	Robinson, L. B. Lowell, P. E.		l
1EMU	Durfee, H). Hoopes, T. T. Rogers, H. A. Dean, J. M. White F. I. in	1FF	Lowell, P. E.	1IA	Richmond, H. B.
1EMV	Dean, J. M.	1FG	Spinney, C. E. Ham, M. F.	1IB	I DUBLIYBU, D. W.
1EMW	11 mo, D. D., jr.	1FH 1FI	Ham. M. F.	IIC	Keller, A. C.
IEMX	Wiesemeyer, M.	iFJ	Bernier, W. J.	III	Eddy, J. C. Payton, R.
IEMY	Fortier M R I.	ifK	Meggison, W. P. Hatch, R. J.	iir	Leighton H W
1EMZ 1EN	Young, F. A. Fortier, M. R. L. Pierce, F. H. Martin, P. S.	ifL	Larrabee, C. W.	iio	Leighton, H. W. Patten, E. L. O.
IENA	Martin, P. S.	1FM	Meggison, F. L.	II II II	I PHHAT C. C.
IENB	Johnson, G. E.	1FN	Knowlton, D. W.	111	Jennings, W. F., Fassitt, A. J., jr. Ray, C. H.
1ENC	Hanks, R. C.	1FO	Knowlton, D. W. Davis, F. R.	111	Fassitt, A. J., ir.
IEND IENE IENF	McElroy, G. A. Cosman, H. E. Barth, N. E.	1FP	Coombs, G. T. Leavitt, V. A. Nichols, J. S.	1IK	Ray, C. H.
1ENE	Cosman, H. E.	1FQ 1FR	Leavitt, V. A.	III.	Pierce, R.
IENF	Barth, N. E.	1FR	Nichols, J. B.	im	I BRIDDING HIGH NAME
1ENG	Kennedy, J. A., jr.	1F8	I Nash. W. A.	1IN	Schwartz, W. P. Mosher, C. E. Ware, S. P.
1ENH	Grenier, L. J.	1FT 1FU	Ackley, E. P. Nicholson, J. H.	110 11P	Word S D
1ENI 1ENJ	Young, C. F.	irv	Hill, H. F.	110	Bishop, D. S. Butterfield, G. W
IENK	Ludington, H. A. American Radio As-	1FW	Holton, A. M.	iir	Butterfield, G. W.
	800	1FX	Holton, A. M. Griffin, S. A.	118	Briggs, S. M.
1ENL 1ENM 1ENN	Pierson, G. B.	ifX 1FY 1FZ	Stevens, G. R. Weber, J. H., jr.	1IT	Briggs, S. M. Hann, P. F.
1ENM	Ehler, I. H.	1FZ	Weber, J. H., jr.	l iiu	I KTURZET. W. H.
1ENN	Pierson, G. B. Ehler, I. H. Gould, R. W. B. Muehl, G.	1	l	1IV	Sherman, I. Beckvold, M. P.
1ENO	Muchl, G.	1GA	Snow, H. C.	1IW	Beckvold, M. P.
1ENP		1GB	Jaques, L. A.	IIX IIY	Į Umson, U.
1ENQ	Berger, S.	1GC 1GD	Chadwick, G. L.	1112	Baxter, H. M. St. James, R. T.
TENE	Tohnson C W	iGE	Lane, F. A.	112	Journal Con T.
1ENR 1EN8 1ENT	Berger, 8. Zarth, W. A. Johnson, G. W. Brothers, G. W. Barney, G. C. Root, E. L. Hjelte, G. B.	iğf	Reynolds, W. B. Wolf, C. F., jr.	17 A	Leathers T W
iENU	Barney, G. C.	igo	Shirt, A. G.	IJA IJB	Leathers, J. W. Hovenden, H. C.
1ENV	Root, E. L.	1GH	Nickerson A R	∥ ũc̃	Parker, J. A.
IENW IENX IENY	Hicks, G. B. Gray, R. C. Flaherty, H. J. Edison, G. H.	1GI	Higgins, C. H. Bradbury, L. E. Lang, S. W.	UD	Parker, J. A. Collins, L.
1ENX	Gray, R. C.	1 GJ	Bradbury, L. E.	IJE	Bushway, G. F. Snow, A. E. Pratt, F.
IENY	Flaherty, H. J.	10K	Lang, S. W.	IJF	Snow, A. E.
IENZ	Edison, G. H.	1GL		no.	Fratt, F.
1EO	Blanchard, C. T. Crocker, E. P. Farnum, W. H.	1GM 1GN	Haffcke, P. M. Palmer, C. A. Morton, S.	П́н	Martin, E. C. Watson, P. W. Tufts Wireless
1EP	Postum W H	100	Morton 8	IJI IJI	Tuffe Wineless
1EQ 1ER	McCurdy, B. H.	igp	Marsh, A. A.	113	ciety.
ies	Armstrong, L. W.	iğQ	Thompson, J. E.	IJК	Batchelder, H. M
IESA	Gowell, B. W.	igr	Thompson, J. E. Robinson, H. S.	iii	Avres. R. T.
1ESB	Byron, M.	1G8	McManon, E. C.	IJM	Ayres, R. T. Walter, E. H.
1E8C	Byron, M. Gage, R. W.	1GT	Cummings, F. H.	IJN	
1ESD	Lyman, C. F., jr.	160	Railmann, H.	по	Campbell, J. S.
1ESE	Lyman, C. F., jr. O'Neill, J. D.	1GV	Gavill, W. W.	IJР	Parkhurst, R. W
1ESF	I POOLICY, E. U.	16 W	Gavill, W. W. Riley, J. D. French, W. B. Stolba, N. W.	UQ UR	I Allen, G. H
1E8G	Hampton, W. G. Lessard, W.	1GX 1GY	French, W. B.	∥ ur	Harding, D. W. Powers, L. S.
1ESH	Lessard, W.		Stonefold A.C	រវន្ត	rowers, L. S.
1ESI	Phelan, H.	1GZ	Stansfield, A. C.	1JT	Farmer, E.
1E8J 1E8K	Morrili, D. H. Dibbins, S. A.	1HA	Blanchard R C	IJU	Cook, G. C.
IESL	Morris, J.	iHB	Blanchard, R. C. Travis, G. E.	IJV IJW	Chisholm, G. C.
1E8M	Brennan, E. G.	inc	Cheetham, H. R.	üX	Walker, J. F. Rinaldi, H. L.
ILSM					

FIRST DISTRICT-Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
1K.A	Jepson, W. P.	1 M U	Warren, B. E. Caldwell, G. W. Lynn, H. W. Calley, E. W. Fales, M. A. L. Clark, L. J.	1PP	Welch, M. J.
1KB	Edwards, R. E.	IMV	Caldwell, G. W.	1PQ 1PR	Welch, M. J. Allen, P. R.
IKB IKC IKD	Jepson, W. F. Edwards, R. E. Wallace, R. H. David, H. E.	IMV IMW IMX IMY	Lynn, H. W.	1PR	Golder, J. Zahn, E. G.
ikb	David, H. E.	IMX	Calley, E. W.	IPS IPT	Zahn, E. G.
ike ikf		1MZ	Clark T T	1PV	Clayton, H. C.
iko	Pennypacker, T. R. Allen, F.	1=2	CIME, L. J.	İÞW	Folsom, R. A. Crosby, C. R.
ikh	Lally, C. A.	1NA	Andonegui, L.	iPW 1PX 1PY	Murphy, H. J. Pulley, L. A. Raniett, F. J., jr.
1KI	Lally, C. A. Loring, W. B. Blake, S. S.	INA INB INC	Andonegui, L. Blanchard, R. N.	1PY	Pulley, L. A.
1KJ	Blake, 8. 8.	INC	Ekwall, G. O.	1PZ	Ranlett, F. J., jr.
1KK		IND	Mix, D. G.		
1KL	Stocker, C. 1.	INE	Coleman, B. B. B. Sutcliffe, R. S. Marshall, T. S. Hilliard, D. S.	1QB	Saunders, G. B.
IKM IKN IKO	Plaisted F. H	INF	Marshall T 8	ioc iod ioe	Wadsworth, A. G. Therrien, A. J. Chace, M. D.
iko	Upham, H. B.	INH	Hilliard, D. S.	liðé	Chace, M. D.
1KP	Stocky, K. A. Stocker, C. I. Schleehauf, W. W. Plaisted, F. H. Upham, H. B. Fuller, P. D.	ING INH INI		IOK	
1K0	Armstrong, J. B.	INJ	Greeley, F. B.	190	Edmester, E. C.
ikr	Armstrong, J. B. Anderson, A. R. Boy Scouts of Amer-	INK	Greeley, F. B. Kohl, W. C.	100 10H 10J	Melvin, A. W. Noble, L. C. Black, W. R.
1K8	boy Scouts of Amer-	INL	Curtis, S., jr. Starkweather, J. B.	187	Ricole, L. C.
127	ica, Troop I. Fruch, F. G. Lamb, C. M.	INM INN	Ingalla, G. A.	IQK IQL IQN IQO IQP	Noyes, R.
ikt iku	Lamb.C.M.	ino	Ingails, G. A. Davis, O. F.	IQN	Bowditch F C le
ikv		INP	Travis. G. E. Getchell, M. D. Wetherell, F. L.	100	Morton, A. R.
1KW	Beering, H. A.	INQ	Getchell, M. D.	1QP	Kilton, J. A., jr.
1KX	Holt, C. G.	INR	Wetherell, F. L.	100 10R	McGrath, J. L.
ikx iky ikz	Beering, H. A. Holt, C. G. Hallett, C. E. Waldle, T. G.	INQ INR INB INT	Hyde, I. B. Lynch, J. P.	108	Morton, A. R. Kilton, J. A., jr. McGrath, J. L. Clark, W. C. Croft, T. C.
IKZ	Wadde, I. G.	INU	Campbell, H. G.	iðr	Hovey, A. T.
1LA	Spear, G. D.	INV	Campbell, H. G. Campbell, Miss M. L. McDermott, J. H. Brown, W. C. Lovis, D. B.	108 10T 10U 10W	Shortis, J.
îLB	Spear, G. D. Blume, C. T.	INW INX INY	McDermott, J. H.	1QW	Shortis, J. White, T. C.
ILC ILD	Mass. Int. of Tech.	INX	Brown, W.C.	iQX iQY iQZ	Booth, J. D.
1LD	Isherwood, W. L. Harvard Wireless	INY	Lovis, D. B.	101	Hunt, A. M.
1LE	I Club	inz	Knight, G. W.	1QL	Danehy, E. J.
1LF	Barrett, B. L. Ballon, W. H. Burke, H. M.	10 A	Anthony, R. L.	1RA	Hood, R. S.
iLG	Ballon, W. H.	iŏB	Anthony, R. L. O'Brine, D. J.	1RB	Brackett, W. F.
ILH	Burke, H. M.	10B 10C 10D	Henry, H. M. Taylor, W. A. Hamilton, C. F. Eldredge, C. R. Tarr, Miss G. E.	IRC	Chase, F. H.
1LI		10D	Taylor, W. A.	IRD IRE	Ericson, A. E.
ILJ ILK	Taylor, J. W. Haskins, F. C. Justice, F. C. Scott, K. G.	10E	Fidredge C B	irf	MacLeod, C. M.
ILA.	Instice. F. C.	10F	Tarr. Miss G. E.	iRG	Pennypacker, T. R. Buffinton, W. H.
ILL ILM ILN	Scott. K. G.	18G	rusuudis, r. r.	IRH	Thompson, J. H. Gawler, H. C. Bailey, W. M. Prescott, E. M. Wright, W. A.
ILN	Sterling, Roy. Welcker, T., jr. Hitchcock, R. Bennett, W. F., jr. Brigham, E. R.	101	TUTALL A R	IRI	Gawler, H. C.
що	Weicker, T., jr.	101	Beecher, G. E. Hill, H. F. Whitmore, J. W. Payson, G. R., jr.	1RJ 1RK	Balley, W. M.
1LP	Bennett W.P. te	10K	Whitmom I W	irl	Weight W A
ILQ ILR	Brigham E. R.	10L 10 M	Payson G. R. Jr.	iRM	Clements, W. B.
ils	Runey, L. C.	ion	Cosgrove, R. D.	1RN	Ege, J. F.
îLT	Runey, L. C. Scott, R. A.	100	Cosgrove, R. D. Smith, K. E.	1RO 1RP	Ege, J. F. Fernald, W. A.
iLU	Staples, L. E.	10P	Baldwin, P. K. Struthers, F. W. Brown, R. B.	IRP	Duchemin, A. W. Sistare, D. B. Rusk, I. M.
iLV	Turts, J. W.	10Q 10R	Brown P P	IRQ IRR	Rusk I W
ILV ILW ILX ILY	Staples, L. E. Turts, J. W. Miller, R. A. McMahon, W. G.	108		iR8	Buzzelle, A. R.
长伞	Davkin, L. H.	ior	Appelin, G. W.	1RT	Buzzelle, A. R. Baskin, Israel.
iĽŹ	Daykin, L. H. Knight, M.	ioŭ	Cote, A. E.	l IRU	Norcross, W. West, H. E.
	1	10V	Anderson, A. E. Stackhouse, W. T.	1RV	West, H. E.
1MA	Irwin, S. W. Boudette, C. M.	10₩	Stackhouse, W. T.	1RW	Steeves, A.
1MB 1MC	Morrow P	10 X 10 Y	Tarr, M. 8. Zwinge, C. J. Doe, C. 8.	1RX 1RY	Shorey, G. F. Newcomb, R. D.
iMD	Caswell, C. T.	iŏż	Doe. C. S.	iŘŹ	Gallagher, E. J.
iME	Angell, O. P.		200, 5.2.		1
1ME 1MF	Entwistle, W. R.	1PA 1PB	Corliss, R. B.	18A	Mercer, W. R.
1 M G	Turner, E. E.	1PB	Hoeffner, F. A. Palmer, R. S.	18B	Corcoran, T. A. Lipson, E.
1MH	Boudette, C. M. Murray, A. F. Caswell, C. T. Angell, O. P. Entwistle, W. R. Turner, E. E. Eaton, H. W. Kelly, R. P. Judkins, N. B. Johnson, T. A. Lyon, W. H. Wood, M. E. Hodgdon, M. L.	1PC	Follow O. F.	18C 18D	Oliver, H. W.
1MI 1MJ	Indeine N B	1PD	Folsom, O. E.	18E	Phillips, H. D.
1MK	Johnson, T. A.	IPE IPF IPG	Hardy, J. von Colin, G.	18F	Garrett, J. D.
IMK IML IMM	Lyon, W. H.	1PG	I Tropher St Tr	18G	Nickerson, E. W.
1MM	Wood, M. E.	1PH	Werner, G. A. F. Knight, M. E. Pratt, W. L.	18H	Parmelee, A. O. Alger, J. W.
1MN	Hodgdon, M. L.	1PI	Knight, M. E.	181	Alger. J. W.
IMO	Ustrander, F. K., Jr.	iPJ iPK iPL	Fratt, W. L.	18J 18K	Lynch, 8. W. Geer, L. P.
IMP	Sherman I P	1PT		18L	Bearse, E. W.
IMP IMQ IMR	Ostrander, F. K., jr. Pursell, C. V. Sherman, J. E. Leonard, F. D. Rowell, K. B.	I IPM	Stratton, R. A. Hartwell, E. G. Pettipas, W. P. Reed, L. S.	18M 18N	Bearse, E. W. Sias, C. W. Colton, R. H. Cash, W. H.
iM8	Rowell, K. B.	IPN IPO	Pettipas, W. P.	18N	Colton, R. H.
iMT	Mathewson, O. W.	100	I Dood T O	180	Cash W H

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.
180	Morrison, H. R.	iŭB	Pease, R. M.	iV M	VanAllen, E. J.
18Q 18R	Gray, H. L.	iŭč	Mellor, J. W.	ivn	Southworth, P. H
188	Gawler, L. M.	ĪŬĎ	Gates, H. S.	ivo	Haskell, S. D.
išŤ	Reynolds, J. L.	iŭĔ	Jette, G. E.	ÍŸP	Whipple, H. B.
īšŪ	O'Brien, D. W.	iŭr	Caldwell, R. P.	îŸŘ	Stagg, U. K.
išv	Burton, H. R.	iŭn	Lear, G. F.	ivs	Steadman, R. C.
išw	Hersey, R. H.	iŭï	Thornley, H. W.	ivr	Hill, W. J.
īšX	Boy Scouts of Amer-	โบ้วิ	Frost, E. W.	īÝŪ	Morse, H. J.
101	ica, Troop 2.	iŭĸ	Capillon, E. A.	ivv	Lewis, G. B.
18Y	Hathaway, 8. D.	iŭĹ	Allen, E. B.	īvw	Delege G C
išż	Reid, R. A.	iŭMi	Flint, C. O.	iΫŸ	Delage, G. C. Park, F. E., jr.
102	1 1014, 10. 11.	เบ้ที	Peckham, J. W.	îvz	Becker, C. W.
1TA	Tucker, C. A.	· iŭô	Doyle, J. B.		Deckar, C. W.
îтВ	Mulvihill, F. A.	lüp	Classical High School,	1WA	Bueb, J. J., jr.
itc	Ward, J. 8.	101	Prov.	iwB	Philbrook, R. G.
itĎ	Wilbur, A. E.	1UR	Briggs, S. M.	iwc	Coleman, W. F.
ite	Sparrow, E. G.	เบีย	Achin, H., jr.	iwe	Baldwin, J. P.
រំកំត	Allinson, G. T.	iŭŤ	Marcroft, J.	iwr	Lefave, 8. J.
ITF ITG	Manchester, A. W.	iŭw	Rowe, A. E.	iwg	Clark, B. J.
iŤĦ	Manuel, L.	iŭÿ	Hull, E. B.	iwi	Grant, A. A.
iTI	Horgan, F. T.	liŭŷ	Merritt, H. E.	iŵj	Barrett, J. H.
îŤĴ	Fitch, C.	liŭż	Learned, A. A.	iwk	Palmer, R. C.
itk	Stiness, S. G.	102	Dearned, A. A.	iwn	Neuhaus, T. F.
iŤĹ	Flint C. O.	1VA	Wickes, H. W.	iwo	Simkin, C.
iTN	Wahanam C T	iva	Verbyla, A. E.	iwp	Stallworth, H. H.
100	Mahoney, C. J. Newton, R. C.	ivč	Zander, J. T.	iwq	Conner. J. A.
1TO 1TP	Jensen, L. C.	ivo	McMahon, J. F.	iwr	Lane, C. C.
100	Stark, W. H.	ive	Walker, A. S.	iws	Hitchcock, H. A.
1TQ 1T8	Clarkson, C. M.	ivř	Mayer, A. W.	iwr	Salzgeber, J. W.
110		ive		iwu	
ÎTT ÎTU	Soney, H. C.	ivh	Dow, J. A.	iwv	Loomis, H. C.
100	Stackpole, N. B.		Bollerer, A. V.		Blanke, D. C.
1TW	Fogg, G. F.	1VI 1VJ	Slawson, S. W.	1WW	Bailey, P. A. Powell, Cecil.
1TX	Brown, L.		Frank, L. G.	1WX	
1TY	Champlin, A. R.	1VK	Lynn English, High	1WY	Hoggson, W.
1TZ	McHenry, A. T.		School.		1

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 Schenectedy, Albany, and Rensselaer) and New Jersey (counties of Bergen, Passaic, Essex, Union, Middlesox, Monmouth, Hudson, and Ocean).]

ALPHABETICALLY BY OWNERS OF STATIONS.

Call signal.	Owner of station.	Location of station.	Power
			Kw.
2AEF	Abrams, Milton F., jr	386 Scranton Ave., Lynbrook, N. Y	0.
2AMA	Ackerman, Rudolph W		1.
2ANL	Adams, Chester B	41 Osborn St., Keyport, N. J	:
2BT	Adams, Earl F	1048 Julia St., Elizabeth, N. J.	:
2AA	Adams, Everett L		
2TQ	Adams, E. William, jr	392 Franklin St., Bloomfield, N. J.	
2AOF	Adams, John D	172 6th Ave., North Troy, N. Y	1.
2AAY	Adickes, Ernest D	173 W. Kidgewood Ave., Kidgewood, N. J	1.
2AMV	Adolph, Herbert	1167 Clay Ave., New York, N. Y	
2VQ	Agnon, Justus J	16 Purvis St., Long Island City, N. Y. 600 W. 183d St., New York, N. Y.	
2AQO	Alexander, Bronson H	720 Birenside Drive New York N. I	1.
2LA	Allen. Edwin W. and James	730 Riverside Drive, New York, N. Y	
2ARF		Chatham, N. J	
2AMK	J., jr.	1148 Fairmount Ave., Elizabeth, N. J	
2US	Allstrom, F. Condit	46 Cheetruit St. East Orange N. I	
2AHC	Amy, Ernest V		
2AKZ	Anderson Lancdell	296 Sylvania Ava Avon-hy-the-Sea N I	
2WI	Anderson Robert N	226 Sylvania Ave., Avon-by-the-Sea, N. J. 353 Warburton Ave., Yonkers, N. Y.	
2ALG	Angen John	1075 Elizabeth Ave. Elizabeth, N. J.	
2ARV	Appell Daniel T	1075 Elizabeth Ave., Elizabeth, N. J. 41 St. Nicholas Ter., New York, N. Y.	
2UR	Arany Leo	123 W. 112th St., New York, N. Y.	

SECOND DISTRICT-Continued.

Owner of station.	Location of station.	Power.
A	Mark Mark St. W. W. V. V. V. V.	Kw.
Aranyi, Egmont	78 Ropesyelt Pl. Freeport, N. Y	0.5
Ashley, George	Chatham, N. Y	. 5
Ashley, George Ashmali, William E., jr Averill, William H	123 W. 112th St., New York, N. Y. 78 Roosevelt Pl., Freeport, N. Y. Chathain, N. Y. 11 Pavonia Ave., Arlington, N. J.	1.0
Z Averill, William H Atkinson, Benjamin, Atwater, Charles K Atwater, Frank G., jr. Austrian, Ralph B. R Avery, John. Bally, Hobart W. K Baker, Alvah L Baker, William N. Balison, Howard. Ballentine, Harold E. Bangert, Valentine F. jr. Banta, Theodore C. P Bargebuhr, Herbert M.	11 Pavonia Ave., Arlington, N. J. Sayville, N. Y. 406 Park Ave., Paterson, N. J. 40 Oakwood Ave., Upper Montelair, N. J. 1562 E. Isth St., Brooklyn, N. Y. 49 St. Nicholas Ter., New York, N. Y. 4 Spruce St., Corona, N. Y. Harrison, N. Y. 231 W. 116th St., New York, N. Y. 231 W. 116th St., New York, N. Y. 301 Eastern Parkway, Brooklyn, N. Y. 17 Sharp Ave., Port Richmond, N. Y. 31 Orchard St., Jamaica, N. Y.	1.0
Atkinson, Benjamin	40 Oakwood Ave., Upper Montelair, N. J	
Atwater, Frank G., jr	1562 E. 15th St., Brooklyn, N. Y.	1.0
R Avery, John	4 Spruce St., Corona, N. Y.	1.5
Bally, Hobart W	Harrison, N. Y	
Baker, Alvah L	1881 Montgomery St., Jersey City, N. J.	1 :
A Balison, Howard	361 Eastern Parkway, Brooklyn, N. Y	1 .3
Ballentine, Harold E	17 Sharp Ave., Port Richmond, N. Y	
Banta, Theodore C	76 Walnut St. Ridgewood N. J.	1 ::
P Bargebuhr, Herbert M Barriette, Samuel L Barron Avenue High School.	849 W. 184th St., New York, N. Y	
Rarriotte, Samuel L	311 Macon St., Brooklyn, N. 1	1
Bartlett, Bernard W	507 Westfield Ave., Westfield, N. J.	
Bathgate, Walter EV Bazensky, Joseph I	102 High St., Passaic, N. J. 307 Berriman St., New York, N. Y.	1.0
Beaton, J. Donald	Waterwitch, N. J.	
Becker Frank	106 Walnut St., Ridgewood, N. J.	
Becker, Frank. E Bedell, Walter R. Beechel, George H. J. K Beeken, William 8 Bell, Arthur E. Beller, William A. G. Beller, William A. G.	35 Hooker Ave., Poughkeepsie, N. Y.	
Beechel, George H. J	231 79th St., Brooklyn, N. Y	
Beeken, William 8	92 Elizabeth St. West New Brighton N Y	
Bell, Arthur E	588 Essex St., Brooklyn, N. Y.	
TOUSE,, WAILEL	1134 Findlay Ave., New York, N. Y.	
X Bement, Frederic	307 Berriman St., New York, N. Y. Waterwitch, N. J. 106 Walnut St., Ridgewood, N. J. 12 Callister St., New York, N. Y. 35 Hooker Ave., Poughkeepsie, N. Y. 211 79th St., Brooklyn, N. Y. Fanwood, N. J. 92 Elizabeth St., West New Brighton, N. Y. 138 Essex St., Brooklyn, N. Y. 1134 Findlay Ave., New York, N. Y. Bryant High School, Long Island City, N. Y. Newburgh, N. Y.	1
Benson, Edwin	2567 Bedford Ave., Brooklyn, N. Y.	1
Bement, Frederic. Benson, Edwin. W Benson, Warren S. Bentzig, Victor H. Benzing, Herman A. Y Berger, George P. Berger, H. C. V. B. Berger, James A.	Bryant High School, Long Island City, N. Y. Newburgh, N. Y. 2567 Bedford Ave., Brooklyn, N. Y. 4 Fuller Pl., New York, N. Y. 165 Woodmere Pl., Pichmond Hill, N. Y. 171 Parker St., Newark, N. J. 171 Parker St., Newark, N. J. 172 Bennington Ave., Passaic, N. J. 173 Pennington Ave., Passaic, N. J. 174 Parker St., Brooklyn, N. Y. 175 Pathush Ave., Brooklyn, N. Y. 175 Pathush Ave., Brooklyn, N. Y. 176 Rockdale Ave., Mt. Vernon, N. Y. 177 Jers Mt., Montclair, N. J. 178 Clark Ave., Ocean Grove, N. J. 170 Jersey St., New Brighton, N. Y. 188 Min St., Nyack, N. Y. 188 Zid St., Woodcliff-on-Hudson, N. J. 18 E. Barbour St., Haledon, N. J.	
A Benzing, Herman A	802 E. Jersey St., Elizabeth, N. J.	
Y Berger, George P	171 Parker St., Newark, N. J.	
8 Bergner, James A	208 High St , Brooklyn, N. Y	
Berlin, Benjamin	1252 Flatbush Ave., Brooklyn, N. Y.	
Berri, Herbert	497 E. 17th St., Brooklyn, N. Y	
B Bergner, James A B Berlin, Benjamin Bernstein, Ārthur W Berri, Herbert. H Bettels, Edward T Betts, Philander H Bils, Charles A Biackford, Harold W Blanchard, Wesley S Blauvelt, William M Biellevens, Gerhardt	56 Rockdale Ave., New Rochelle, N. Y	1
Betts, Philander H	238 Valley Rd., Montclair, N. J.	
Blackford, Harold W	220 Park Ave., Plainfield, N. J.	1 :
Blanchard, Wesley 8	170 Jersey St., New Brighton, N. Y.	
Bleilevens, Gerhardt	318 33d St., Woodeliff-on-Hudson, N. J.	1
K Bocchio, Raymond	8 E. Barbour St., Haledon, N. J.	
A Bodkin, Laurence G		1.0
Boeder, Arthur R Bogardus, Henry L Bohman, Albert Bohn, William C G Bona, Edward	327 Bergen Ave., Jersey City, N. J.	
Bohman, Albert	122 Wilbur Ave., Long Island City, N. Y.	
G Bona, Edward	82 Van Nostrand Ave., Jersev City. N. J	
Bondeaux & Knights Booth, Sherman F	862 Hewitt Pl., New York, N. Y	1.0
	2% W 121st St. New York, N. Y.	
Borduin, David	61 Plantern Ave., Prospect Park, N. J.	1. (
K Brainard, Edward 8 Breen, Thomas J	400 W. Franklin Ave., Ridgewood, N. J.	1.0
N Bremer, Frank V	3613 Boulevard, Jersey City. N. J.	1.
Brewster Carleton, jr	2 Ocean Ave., Bay Shore, N. Y.	
Brick, Frank R., ir Brockman, Francis C	226 Walnut St. Rosella Park N. I	1.0
Broggini, Claud	2605 8th Ave., New York, N. Y.	1
Brooklyn Telegraph School	313 Fulton St., Brooklyn, N. Y.	
Broome, Frank II	315 Chestnut St., New York, N. Y	'}
Decrees Honold Q	122 Wilbur Ave., Long Island City, N. Y 1515 2d Ave., New York, N. Y 22 Van Nostrand Ave., Jersey City, N. J 862 Hewitt Pl., New York, N. Y 206 W. 121st St., New York, N. Y 216 W. 121st St., New York, N. Y 61 Plantern Ave., Prospect Park, N. J 400 W. Franklin Ave., Ridgewood, N. J 353 E. 193d St., New York, N. Y 3613 Boulevard, Jersey City, N. J 2 Ocean Ave., Bay Shore, N. Y 50 Avenue B., Bayonne, N. J 226 Walnut St., Roselle Park, N. J 2605 Sth Ave., New York, N. Y 313 Fulton St., Brooklyn, N. Y 315 Chestnut St., Roselle Park, N. J 19 S. Clinton St., Poughkeepsie, N. Y Sayville, N. Y	
Flower, Harous Brown, Mortimer Brown, Philip T Browne, Walram 8	Sayville, N. Y. 1808 Grand Concourse, New York, N. Y. 1565 E. 12th St., Brooklyn, N. Y.	1.0
I DIOMN, I UNID I	I see thank Compunist, New IUFK, N. I	1.0

SECOND DISTRICT-Continued.

Call signal.	Owner of station.	Location of station.	Pow
			Ku
2JR 2AMI	Bruce, Edmond	2049 63d St., Brooklyn, N. Y. 326 E. Main St., Patchogue, N. Y. 326 E. Main St., Patchogue, N. Y. 4 Main St., Perth Amboy, N. J. 5 W. 117th St., New York, N. Y. 4 Hemlock Pl., New Rochelle, N. Y. 203 Bay 31st St., Bensonhurst, N. Y. 396 E. 16th St., Brooklyn, N. Y. Keansburg, N. J. (portable station). 1160 3d Ave., New York, N. Y. 96 Forest Ave., Glen Ridge, N. J. 245 Pacific St., Brooklyn, N. Y. Brightwaters, N. Y. 92 Highland Ave., Yonkers, N. Y. 117 Marshall St., Elizabeth, N. J. 1283 Drake Ave., New Rochelle, N. Y. 273 S. Main St., Hempstead, N. Y. 273 S. Main St., Hempstead, N. Y. 204 W. 149th St., New York, N. Y. 135 Waverly Pl., New York, N. Y. 1531 Sewell Ave., Asbury Park, N. J. 1628 11th Ave., Brooklyn, N. Y. 155 Broad St., Keyport, N. J. 1628 11th Ave., Brooklyn, N. Y. 274 Audubon Ave., New York, N. Y. 275 Audubon Ave., New York, N. Y. 276 Norman St., Englewood, N. J. 276 Audubon Ave., New York, N. Y. 277 Audubon Ave., New York, N. Y. 278 Willet Ave., Port Chester, N. Y. 279 Old W. 156th St., New York, N. Y. 279 Old W. 156th St., New York, N. Y. 270 Cherry St., West Orange, N. J. 270 Audubon Ave., New York, N. Y. 271 Old Hith St., New York, N. Y. 272 Cedar St., Yonkers, N. Y. 273 Chedra St., Westorange, N. J. 274 Cherry St., West Orange, N. J. 275 Audubon Ave., New York, N. Y. 284 E. 42d St., Bayonne, N. J. 276 Glenwood Rd., Upper Montclair, N. Y. 286 177th St., New York, N. Y. 286 177th St., New York, N. Y. 287 Mt. Hope Pl., New York, N. Y. 288 Mt. Hope Pl., New York, N. Y. 289 Mt. Hope Pl., New York, N. Y. 290 Mt. Hope Pl., New York, N. Y. 2910 Mt. Hope Pl., New York, N. Y. 2910 Mt. Hope Pl., New York, N. Y. 2910 Mt. Hope Pl., New York, N. Y. 2910 Mt. Hope Pl., New York, N. Y. 2910 Mt. Hope Pl., New York, N. Y.	
	Bement, Frederic.		
2AF 2MH	Bryant, Marquis V Buchanan, William F Buchheister, Morris	6 S. Highland Ave., Nyack, N. Y	
ACN	Buchheister, Morris	5 W. 117th St., New York, N. Y	
2NL	Buckman, John R	4 Hemlock Pl., New Rochelle, N. Y	
2AKO 2AID	Burns, Raymond N Butler, Robert M	203 Bay 31st St., Bensonhurst, N. Y	
2AJ	Buttner, Edwin T. Buttner, Edwin T. Buttner, Edwin T. Byrne, William Cadmus, Le Roy G. Caggiano, Carmine J.	Keansburg, N. J. (portable station)	
2AGM 2AHR	Buttner, Edwin T	1160 3d Ave., New York, N. Y.	
2ACQ	Cadmus. Le Roy G	96 Forest Ave., Glen Ridge, N. J.	
2WK	Caggiano, Carmine J	245 Pacific St., Brooklyn, N. Y	
2RL 2ARP	Campbell George C	Brightwaters, N. Y	
2ES	Campbell, Robert, jr	117 Marshall St., Elizabeth, N. J.	
2SX 2ALK	Cannon, George C	183 Drake Ave., New Rochelle, N. Y	
2APR	Camp. Victor F	273 S Main St. Hempstead N V	-
2AJC	Carr, John	204 W. 149th St., New York, N. Y	
2JA 2AKE	Cater Raymond	135 Waverly Pl., New York, N. Y	
2A KJ	Cater, Raymond	2331 185th St., New York, N. Y.	
ZADB	Cawman, David L	1531 Sewell Ave., Asbury Park, N. J.	
2APY 2AOC	Charleton, Eugene E	1628 Hth Ave., Brooklyn, N. Y	
2DS	Cherry, George S Clark, Le Roy Clarkin, William Class, Charles L	Chestnut St., Englewood, N. J	
2AQJ 2AOK	Clarkin, William	2416 Morris Ave., New York, N. Y	
ZAAK	Codaday, Lawrence M	227 Audubon Ave., New York, N. Y	
2MY	Codaday, Lawrence M Cohan, Edwin K	601 W. 156th St., New York, N. Y.	
2ARR 2PS	Cohen, Monte	1936 Pitkin Ava Brooklyn N. Y	
2HV	Cohen, Samuel	352 Willet Ave., Port Chester, N. Y	
2TZ 2RT	Collins, Frank J Collins, Frank J Collinson, Jesse G Collison, Percy B Combes, Rae Comes, William J Connor, Harold G Connor, Lorner	22 Cedar St., Yonkers, N. Y	
2KN	Collison, Percy B	172 Maple St., Brooklyn, N. Y	
2HW 2AHI	Combes, Rae	28A E. 42d St., Bayonne, N. J.	
2FQ	Connor, Harold G.	14 Geneva St., Newark, N.J	
2JC	Connors, James	1304 Shakespeare Ave., New York, N. Y	
2AMW 2ADY	Cooper William S	36 116th St., New York, N. Y	
2HF	Coote, Charles W	240 Audubon Ave., New York, N. Y.	
2KA 2IG	Coote, Charles W	586 177th St., New York, N. Y	
2LD	Cotter, William F	68 Oakland Ave. Jersey City, N. J.	
2V K	Covert, James D	40 Glenwood Rd., Upper Montclair, N. J	
2IT 2AER	Crinnion Edward T I	Lynbrook, N. Y	
2DP	Crocker, Frank H	11 Broadway, Rockville Center, N. Y	
2GJ 2AJV	Cronemeyer, Edmund G	1201 Vyse Ave., New York, N. Y.	
2EM	Crosby, Roy C	211 W. 148th St., New York, N. Y.	
2ADM 2ANQ	Connors, James. Coon, George. Cooper, William S. Coote, Charles W. Coote, Charles W. Corwin, George E. Cotter, William F. Covert, James D Cowper, Norman C. Crinnion, Edward T. J. Crocker, Frank H. Cronemeyer, Edmund G. Cronin, William. Crosby, Roy C Crosby, Roy C Crosby, Howard A. Crozier, Edward A.	Saddle River, N. J.	
2ABF	Crozier, Edward A Cummings, Frank X Cushman, Charles D., jr Cyriax, Ernest A Dahlgren Birger A	Fair Haven, N. J.	
2KJ	Cummings, Frank X	2132 Washington Ave., New York, N. Y.	
2ADT 2DI	Cushman, Charles D., jr	137 Davis Ave., New Brighton, N. Y	1
2GG	Dahlgren Birger A	1652 41st St., Brooklyn, N. Y	
2BJ	Dahms, Herbert	21 Manitou Ave., Poughkeepsie, N. Y	
2CE 2AD	Dain, John W. Dammers, Albert. Dartiguenave, Henry P.	68 Oakland Ave., Jersey City, N. J. 40 Glenwood Rd., Upper Montclair, N. J. Lynbrook, N. Y. 63 Mt. Hope Pl., New York, N. Y. 11 Broadway, Rockville Center, N. Y. 1201 Vyse Ave., New York, N. Y. 2101 W. 148th St., New York, N. Y. 211 W. 148th St., New York, N. Y. 2126 W. 174th St., New York, N. Y. 213a Washington Ave., New York, N. Y. 2132 Washington Ave., New York, N. Y. 2132 Washington Ave., New York, N. Y. 214 E. 71st St., New York, N. Y. 21652 41st St., Brooklyn, N. Y. 218 Annitou Ave., Poughteepsie, N. Y. 313 James St., Peekskill, N. Y. 314 Manitou Ave., Rutherford, N. J. 659 W. 179th St., New York, N. Y. 308 W. 112th St., New York, N. Y. 308 W. 112th St., New York, N. Y. 308 W. 112th St., New York, N. Y. 308 W. 112th St., New York, N. Y. 308 W. 112th St., New York, N. Y. 308 W. 112th St., New York, N. Y. 308 W. 112th St., New York, N. Y. 308 W. 112th St., New York, N. Y. 308 W. 112th St., New York, N. Y. 308 W. 112th St., New York, N. Y. 308 Henry St., Passaic, N. J. 309 Park Pl., Brooklyn, N. Y. 309 W. Park Ave., Rockville Center, N. Y. 309 Maniton Ave., Westfield, N. J.	
2AAI	Dartiguenave, Henry P	659 W. 179th St., New York, N. Y.	
2AOY 2AGX	Davidson, Arthur. Davidson, Arthur. Davies, Richard J., jr. Davis, Clarence F. Davison, Walter H., jr. Dawley, Earle R. Daw Son, Fred. Day Howard R.	308 W. 112th St., New York, N. Y.	
2ADP	Davis, Clarence F	809 Park Pl., Brooklyn, N. Y.	
2CX	Davison, Walter H., jr	22 N. Park Ave., Rockville Center, N. Y.	14
2NA 2AIS	Dawson, Fred	64 Laurel Ave., Arlington, N. J.	
2KK	Day, Howard B. de Calahorra, Amadeo S. See Saenz de Calahorra,	555 Mountain Ave., Westfield, N. J.	
	de Calaborra, Amadeo S.		

SECOND DISTRICT—Continued.

Call signal.	Owner of station.	Location of station.	Power
			Kw.
2AFN	Decker, Ralph W. E	21 Valley Rd., White Plains, N. Y. 7 Odell Ave., White Plains, N. Y. 16 Elm St., Mt. Vernon, N. Y. 46 N. 5th St., Hudson, N. Y. Garden City, N. Y. Slingerlands, N. Y.	1_1
2V8	Decker, Ralph W. E	16 Flm St. Mt. Vernen N. V.	1.
2JX 2AJX	De Cortin, Gustav A. Dederick, Harry C. de Forest, Edward L., jr	46 N 5th St. Hudson N V	
2TL	de Forest, Edward L., ir.	Garden City, N. Y	
2AAB	Deitz, Burr V	Slingerlands, N. Y.	
2JT	Dennis, Frederick F	Fair Haven, N. J.	
2C F	Derx, Martin, jr	253 Vernon Ave., Brooklyn, N. Y	1.
2AJG 2A8	De Vizio, Joseph	1858 Parker St., Westchester, N. 1	:
2TC	Dickenson Henry E	91 Greenbridge Ave. White Plains N. Y	
2CN	de Forest, Edward L., jr Deitz, Burr V. Dennis, Frederick F. Derx, Martin, jr. De Vizio, Joseph. De Yoe, Willard L. Dickenson, Henry E. Dickey, Edward T. Dicktop, Edward T.	1649 Amsterdam Ave., New York, N. Y	:
2ARX	Dickettoon, Daniel Itti.	1038 Garden St., Hoboken, N. J	
2(i Y		13 Sherman Ave., Yonkers, N. Y	
2ARM 2ALL	Dimmick, F. Ray Dinga, William E	2301 4th St., Jersey City, N. J.	
2AFE	Div Harold 8	115 Harrison Ave. Westfield N. I	
2ABO	Dix, Harold 8. Dodd, H. Hanson	131 Clarewill Ave., Upper Montclair, N. J.	
2RO	Dodde Andrew C	132 8. Swan St., Albany, N. Y	
2EZ	Donohue, Peter J Donovan, Etienne S	103 W. 60th St., New York, N. Y	
2M L 2E A		255 Circuit St., New Kochelle, N. Y	
2AIA	Doty, Walter P	1676 Anderson Ave. New York N. Y	
2EU	Droste, George T.	1309 Pugsley Ave., New York, N. Y] :
2EU 2AQA	Draper, George B Droste, George T. Drury, Frank. Dugan, Edward W. Dunham, Clarence L.	21 Amherst Ave., Jamaica, N. Y	
2IY	Dugan, Edward W	631 Jersey Ave., Jersey City, N. J	
2TN	Dunham, Clarence L	250 Woodlawn Ave., Jersey City, N. J	
2ACV 2ALI	Dunham Nelson	103 1st Ave Highland Park N J	1.
2HT	Dunn, Alan C Earle, William P., Jr. Eastern District Y. M. C. A. Eber, John G.	46 N. 5th St., Hudson, N. Y Garden City, N. Y Slingerlands, N. Y Fair Haven, N. J 253 Vernon Ave., Brooklyn, N. Y 1656 Parker St., Westchester, N. Y 689 Broadway St., Paterson, N. J 91 Greenbridge Ave., White Plains, N. Y 1649 Amsterdam Ave., New York, N. Y 1638 Garden St., Hoboken, N. J. 13 Sherman Ave., Yonkers, N. Y 2303 4th St., Jersey City, N. J. 1585 Amsterdam Ave., New York, N. Y 1585 Amsterdam Ave., Westfield, N. J. 131 Clarewill Ave., Upper Montclair, N. J. 132 B. Bwan St., Albany, N. Y 103 W. 60th St., New York, N. Y 255 Circuit St., New York, N. Y 255 Circuit St., New York, N. Y 1676 Anderson Ave., New York, N. Y 1676 Anderson Ave., New York, N. Y 21 Amherst Ave., Jamaica, N. Y. 22 Buckingham Rd., Brooklyn, N. Y 103 Ist Ave. Highland Park, N. J 22 Buckingham Rd., Brooklyn, N. Y 179 Marcy Ave., New York, N. Y 189 Marcy Ave., New York, N. Y 180 Highland Ave., Walden, N. Y 180 Highland Ave., Walden, N. Y 280 Linden Ave., Brooklyn, N. Y 281 Linden Ave., Brooklyn, N. Y 282 Highland Ave., Walden, N. Y 284 Linden Ave., Brooklyn, N. Y 285 W. 177th St., New York, N. Y 286 Highland Ave., New York, N. Y 287 Linden Ave., New York, N. Y 288 Linden Ave., New York, N. Y 289 Rroadway, New York, N. Y 280 Rroadway, New York, N. Y 281 Linden Ave., New York, N. Y 282 Highland Ave., New York, N. Y 284 Linden Ave., New York, N. Y 285 Linden Ave., New York, N. Y 286 Highland Ave., Brooklyn, N. Y 287 Linden Ave., Brooklyn, N. Y 288 Linden Ave., Brooklyn, N. Y 289 Rroadway, New York, N. Y 280 Rroadway, New York, N. Y 281 Linden Ave., Brooklyn, N. Y 282 Linden Ave., Brooklyn, N. Y 284 Linden Ave., Brooklyn, N. Y 285 Linden Ave., Brooklyn, N. Y 286 Edgescon Pl., Brooklyn, N. Y 286 Edgescon Pl., Brooklyn, N. Y 286 Edgescon Pl., Brooklyn, N. Y 286 Edgescon Pl., Brooklyn, N. Y 286 Edgescon Pl., Brooklyn, N. Y 286 Edgescon Pl., Brooklyn, N. Y 286 Edgescon Pl., Brooklyn, N. Y 286 Edgescon Pl., Brooklyn, N. Y 286 Edgescon Pl., Brooklyn, N. Y 286 Edgescon Pl., Brooklyn, N. Y 286 Edgescon Pl., Brooklyn, N. Y 286 Edgescon Pl., Brooklyn	1
2RG	Earle, William P., jr	White Plains, N. Y	
2AV	Eastern District Y. M. C. A.	179 Marcy Ave., New York, N. Y	
2AI	Eber, John G	5505 3d Ave., Brooklyn, N. Y	
2A DE	Eckler, H. D	Reschmont Pk New Rochelle N Y	
2QJ 2PG	Eckstein, William J.	35 W. 177th St., New York, N. Y.	1.
2AEH	Eckstein, William J Edwards, Joseph B	236 Linden Ave., Brooklyn, N. Y	
2AKN	Eddy, John L., jr Egolf, Richard S	11 3d Ave., New Brighton, N. Y	
2LE	Egolf, Richard B	1122 49th St., Brooklyn, N. Y	:
2AGY	Flictt Paul C	162 F 66th St. New York, N. Y	
2IQ 2RG	Ellingham, Irving. Elliott, Paul C. Elrae Míg. & Trading Co	White Plains, N. Y.	1.
28T	Emanual John H., Ir.,	Englewood, N. J	
2EP	Engelhart, Lawrence	New Dorp, N. Y	
2ET	England, George B	917 St. Nicholas Ave., New York, N. I	
2ASO 2OC	Engstrom, Joseph E Erasmus Hall High School.	Flathush Ave. Brooklyn, N. Y	
2ARZ	Erickson, Evald T. Erven, Raymond P. Estberg, Hugo L	Harrison, N. Y	
2A00	Erven, Raymond P	Keansburg, N. J.	
2AIR	Estberg, Hugo L	682 Bergen St., Brooklyn, N. Y	
2FR 2UF	Ettlinger, Albert Evans, Arthur F	246 Emerson Pl. Brooklyn N. Y	
2AHY	Everingham Charles E.	206 9th St. Troy. N. Y.	
2- BI	Everitt, William L	724 South St., Peekskill, N. Y	
2IC	Faraon, Adolph J	536 Hudson St., Hoboken, N. J	1.
2PM 2JK	Faraon, Adolph J	Belle Harbor, N. Y	1.
2JK	Faraon, Rene J	508 West End Ave., New York, N. I	1.
2IB 2ADQ	Folia Edgar	528 Riverside Drive New York N. Y.	1
2ANY	Felt. George G	Hawthorne, N. Y	1
2ARC	Ferguson, George M	303 Stuyvesant Ave., Brooklyn, N. Y	
2MZ	Ferguson, James B., jr	331 E. 173d St., New York, N. Y	1.
2A Q T 2C Y	Ferris, Clinton 8	Sanda Park N. J.	1.
2ALE	Fingerlin Harold I	296 Washington Ave., Rockaway Beach, N. Y.	
2AIO	Fink, Gustave	315 Lenox Rd., Brooklyn, N. Y	
2AIQ 2ANF	Fish, Edward II	27 Highland Ave., Middletown, N. Y	
2AEM	Fishoff, Louis A	210 E. 114th St., New York, N. Y	1
2RU	Fletcher, Jordon J.	Lynbrook, N. Y	1.
2WB 2ANM	Foot N Brainand	1421 Narrows Ave., New Tork, N. I	
2TB	Ford. Everett J.	318 Randolph Ave., Jersey City, N. J.	
2FV	Foster, Dudley E.	202 W 30d 8t, New York, N. Y. 206 Emerson Pl., Brooklyn, N. Y. 206 9th St., Troy, N. Y. 724 South St., Peekskill, N. Y. 536 Hudson St., Hoboken, N. J. Belle Harbor, N. Y. 808 West End Ave., New York, N. Y. 515 McLean Ave., Yonkers, N. Y. 528 Riverside Drive, New York, N. Y. 408 Stuyvesant Ave., Brooklyn, N. Y. 303 Stuyvesant Ave., Brooklyn, N. Y. 303 Stuyvesant Ave., Brooklyn, N. Y. 409 Smith St., Peekskill, N. Y. 5286 Washington Ave., Rockaway Beach, N. Y. 296 Washington Ave., Rockaway Beach, N. Y. 210 E. 114th St., New York, N. Y. 210 E. 114th St., New York, N. Y. 1427 75th St., Brooklyn, N. Y. 138 Randolph Ave., Jersey City, N. J. 423 4th Ave., Newark, N. J. Babylon, N. Y. 676 Lincoln Pl., Brooklyn, N. Y.	
2IR	Foulke, J. Brion, ir.	Babylon, N. Y	

SECOND DISTRICT—Continued.

Call signal.	Owner of station.	Location of station.	Power
			Kw.
2KM	Francis, Charles E	1662 70th St., Brooklyn, N. Y. 408 Main St., Union, N. J. 294 W. 92d St., New York, N. Y. 97 Bruce Ave, Yonkers, N. Y. Southampton, N. Y. 439a McDonough St., Brooklyn, N. Y. 156 N. Arlington Ave, East Orange, N. J. 1531 2d Ave., New York, N. Y. Preakness, N. J. 540 W. 158th St., New York, N. Y.	0.
PAME	Frank, Richard	408 Main St., Union, N. J	
PALA	Francis, Sylvian	294 W. 92d St., New York, N. Y	
PAQW PAPZ	Frankenstein, Edwin S	97 Bruce Ave., Yonkers, N. Y	
PAPZ	Freeman, Robert J. Freure, Richard W. Fricke, William B. Frost, Jacob.	Southampton, N. Y	
FK	Freure, Richard W	439a McDonough St., Brooklyn, N. Y	
JH	Fricke, William B	156 N. Arlington Ave., East Orange, N. J.	
PABE	Frost, Jacob	1531 2d Ave., New York, N. Y	
2BG	Gaede, George F	l'reakness, N. J.	
QG QUP	Gale, Rowland A	540 W. 158th St., New York, N. Y.	
PUP	Gannon, J. Kimpaii	Oalebuset N. T.	
PGR	Frost, Jacob Gaede, George F. Gale, Rowland A. Gannon, J. Kimball Gardell, Emil C. Gardner, William E.	15 Prosport St. Adams N. V	
PAQC	Casita William E	204 Raid Ava Brooklyn N V	
MC	Codney Roy Van D	Center Ave Little Fells N I	1
PFX PAMY	Garity, William E Gedney, Ray Van D. Geils, Henry. Gelina, C. J.	1 Walton Ave. New York N Y	1
ADD	Gelina C. J	Chatham N Y	
PASA	Genodette, Honore E	Kinderhook, N. Y.	13
PAIM	Giefer, Frank II., jr	West Brighton, N. Y	
AY	Gittelbauer, Frederick	38 Vreeland St., East Rutherford, N. J.	-
TV	Glenn, George	48 Chester St., Newark, N. J.	
AIT	Glenn, George	1709 Park Ave., New York, N. Y	
JU	Goette, Clifford J	1425 Church St., Richmond Hill, N. Y	1
AJY	Goette, Clifford J	156 N. Arlington Ave., East Orange, N. J. 1531 2d Ave., New York, N. Y. 1531 2d Ave., New York, N. Y. 1540 W. 158th St., New York, N. Y. 1517 Park St., Upper Montclair, N. J. Oakhurst, N. J. 15 Prospect St., Adams, N. Y. 324 Reid Ave., Brooklyn, N. Y. Center Ave., Little Falls, N. J. 1 Walton Ave., New York, N. Y. Chatham, N. Y. Kinderhook, N. Y. West Brighton, N. Y. 38 Vreeland St., East Rutherford, N. J. 48 Chester St., Newark, N. J. 1709 Park Ave., New York, N. Y. 1710 Caton Ave., New York, N. Y. 1710 Caton Ave., Brooklyn, N. Y. 237 Greenwich St., New York, N. Y. 106 Loraine Ave., Upper Montclair, N. J. 40 Overlook Ave., Ridgewood, N. J. 802 W. 181st St., New York, N. Y. Madison Bldg., Montclair, N. J. 134 Manhattan Ave., Jersey City, N. J. 135 Clerk St., Jersey City, N. J. 135 St. Nicholas Ave., New York, N. Y. 170 Timp River, N. J. 170 Filiph St., Perth Amboy, N. J. 170 Toms River, N. J. 170 Peekskill, N. J.	
AFU	Goll, Robert E	1710 Caton Ave., Brooklyn, N. Y	
KY	Goodchild Electrical Co	237 Greenwich St., New York, N. Y	1
ZAAX	Goodell, John B	106 Loraine Ave., Upper Montclair, N. J	1
UN	Graham, Malcolm	200 W 101ct Ct Nam Vork N V	
EALB	Crear Frenk K	Modison Bldg Montelair N I	1
ADC	Cross Toseph F	124 Manhattan Ave Jersey City N I	1
ARS	Green Adoniram I	73 Paterson St Paterson N I	
000	Green Irving W	85 Clerk St. Jersey City, N. J.	
QQ LP	Green, Raymond J	1352 St. Nicholas Ave., New York, N. Y.	
KL	Gregory, Arthur V	197 High St., Perth Amboy, N. J.	
PAQR	Grover, Paul B	Toms River, N. J	
AGI	Graham, Malcolm Gratzner, Raymond Gray, Frank F Grece, Joseph F Green, Adoniram J Green, Irving W Green, Raymond J Gregory, Arthur V Grover, Paul B Grumbacher, Walter Grumbacher, Walter	Peekskill, N. Y. 9525 4th Ave., Brooklyn, N. Y. 242 Mountain Way, Kingsland, N. J. 495 Mt. Prospect Ave., Newark, N. J.	
PAJP	Grummet, Melvin L	9525 4th Ave., Brooklyn, N. Y	
CI	Guarino, John J	242 Mountain Way, Kingsland, N. J.	JB
BQ	Guild, Baldwin	495 Mt. Prospect Ave., Newark, N. J.	
DO ADN	Cutmonn Bornard	110 Confold Dl. Brooklym N. V	
PANC	Cur Raymond F	212 Recodway Tottenville N V	1
RR	Haight Russell P	18 Sprice St. Bloomfield, N. J.	i
EV	Haios Eugene	626 Trinity Ave., New York, N. Y	1
PAQZ	Hall Norman C	47 Hill St., Newark, N. J.	
KR	Hallenbeck, Charles	1150 54th St., Brooklyn, N. Y	
UQ	Hallett, E. Douglas	86 Prospect Pl., Rutherford, N. J	
EN	Halligan, James W	328 E. 19th St., New York, N. Y	-
PART	Hammond, George P	1855 70th St., Brooklyn, N. Y	1
AFV CW	Halsey, Edward G., jr	200 Smith St., Peekskill, N. Y	
CW	Ham, Frank H	Cornwall-on-Hudson, N. Y.	
DD	Hammond, Fremont M	Decel Ave. Lerchmont N V	
PX	Hamilton, America, Jr	2 Dinchuset Ave. New York N V	1
AKM	Hancon George V	Pookaway Reach N V	1
AE	Hanna William H	586 W 162d St. New York N. Y	
GH	Hardy Myles	373 W 126th St. New York, N. Y	
AIP	Harner, Augustus E	512 Washington Ave., Brooklyn, N. Y.	
BC	Harrietts, James B	4 125th St., New York, N. Y.	1
AMN	Hart, Phillip	225 Brighton Ave., Perth Amboy, N. J	
FZ	Harris, Charles C	Freeport, N. Y	1
ACE	Harrison, John B	112 Broad St., Bloomfield, N. J	-
AMS	Hasbrouck, Earl	Wallkill, N. Y	1
SM	Hatry, William B	71 Urange St., Brooklyn, N. Y.	
ACW	Hattermuller, Theodore	27 Zabrickie St. Holedon N. I	
PASC	Hauseath Alfred H :-	1866 Coder Ave New York N V	
PAPN PJC	Hawking Ernest W	224 Danaw St Paakskill N V	
2KC	Haves Frank X I	162 E. 82d St., New York, N. Y.	
2BM	Heermance, Earle	523 State St., Rudson, N. Y.	
2APG	Hegmegee, Joseph O. L	235 River Drive, Garfield, N. J.	
2AFJ	Heinsohn, Frederick E	242 Mountain Way, Kingsland, N. J. 495 Mt. Prospect Ave., Newark, N. J. Sayville, N. Y. 110 Garfield Pl., Brooklyn, N. Y. 342 Broadway, Tottenville, N. Y. 18 Spruce St., Bloomfield, N. J. 626 Trinity Ave., New York, N. Y. 1150 54th St., Brooklyn, N. Y. 1150 54th St., Brooklyn, N. Y. 86 Prospect Pl., Rutherford, N. J. 128 E. 19th St., New York, N. Y. 1255 70th St., Brooklyn, N. Y. 1200 Smith St., Peckskill, N. Y. 1200 Smith St., Peckskill, N. Y. 1200 Smith St., Peckskill, N. Y. 1200 Smith St., Peckskill, N. Y. 1200 Smith St., Peckskill, N. Y. 1200 Smith St., Peckskill, N. Y. 1200 Smith St., Peckskill, N. Y. 1200 Smith St., Peckskill, N. Y. 1200 Smith St., Peckskill, N. Y. 1200 Smith St., New York, N. Y. 1200 Smith St., New York, N. Y. 1200 Smith St., New York, N. Y. 1200 Smith St., New York, N. Y. 1200 Smith St., New York, N. Y. 1200 Smith St., New York, N. Y. 1210 Washington Ave., Brooklyn, N. Y. 1225 Brighton Ave., Perth Amboy, N. J. 128 Fraed St., Bloomfield, N. J. 128 Washington Ave., Middletown, N. Y. 129 St., Peckskill, N. Y. 120 Smith St., Peckskill, N. Y. 121 Broad St., Bloomfield, N. J. 122 State St., Haledon, N. J. 123 River Drive, Garfield, N. J. 124 St., New York, N. Y. 125 River Drive, Garfield, N. J. 125 Crawford St., Newark, N. J.	
ZANI	Heinzmann, Milton	991 Chancellor Ave., Irvington, N. J	
2AMO			

SECOND DISTRICT—Continued.

1.	Owner of station.	Location of station.	Power
			Kw.
В	Held, William J	110 Elliot Ave., Yonkers, N. Y	
	Hellman, Abraham F	424 E. 138th St., New York, N. Y	0.
	Helwig, Herman F. Hendricks, Miles S. Herbert, Norman. Heuer, William H.	Lloyd N. V.	1
	Herbert Norman	Lloyd, N. Y. 58 Crawford St., Newark, N. J. Islip, N. Y	
	Houer, William H.	Sa Crawford St., Newark, N. J. Silp, N. Y. Sils 4th St., Newark, N. J. Quall and Bradford Sts., Albuny, N. Y. Son, Fullerton Ave., Montclair, N. J.	1
	Heuler, William H. Hevener, Osborn F. Hewitt, John K. Heydon, Albert R. Heyer, Benjamin W. Higgs, Harry Y. Hill, William S.	OLE 113 Ca Nimonal NI V	
	Hewitt, John K	Quail and Bradford Sts., Albany, N. Y	1.
1	Heydon, Albert R	403 Decatur St., Brooklyn, N. Y	
J	Heyer, Benjamin W	45 N. Fullerton Ave., Montclair, N. J	
	Hill William S	232 Rector St. Parth Amboy N. J.	
1	Hiller, Harry E	5 Charles St., West Orange, N. J.	
1	Hirschfield, Edward	338 W. 18th St., New York, N. Y	
ı	Hiller, Harry E. Hirschfield, Edward. Hoagland, Raymond. Hobson, Christopher E. Hoernel, Paul	Red Bank, N. J	1.
١	Hobson, Christopher E	1018 Columbus Ave., Westfield, N. J	1.
	Hoernel, l'aul	Babylon, N. Y	
1	Hoff, Russell S Hoffman, Frank	L'eanglurg N I	
ı	Hoffman, Paul J.	165 E. 8th St., New York, N. Y.	
	Holmes, George	158th St. and Harlem River, New York, N. Y.	
	Holmes, George	164 W. 146th St., New York, N. Y	1
	Holmes, George Homan, Carroll I Homan, Eber J	Quall and Bradford 8ts., Albany, N. Y. 403 Decatur 8t., Brooklyn, N. Y. 45 N. Fullerton Ave., Montclair, N. J. 30 Irving Pl., Brooklyn, N. Y. 312 Rector 8t., Perth Amboy, N. J. 55 Charles 8t., West Orange, N. J. 338 W. 18th 8t., New York, N. Y. Red Bank, N. J. 1018 Columbus Ave., Westfield, N. J. 1018 Columbus Ave., Westfield, N. J. 1028 Western Ave., Albany, N. Y. Keansburg, N. J. 165 F. 88th 5t., New York, N. Y. 158th 8t. and Harlem River, New York, N. Y. 164 W. 146th 8t., New York, N. Y. 1516 Prospect Ave., Asbury Park, N. J. 1516 Prospect Ave., Asbury Park, N. J. 1527 Broadway, Far Rochaway, N. Y. 29 Westfield Ave. E., Roselle Park, N. J. 29 Westfield Ave. E., Roselle Park, N. J. 203 E. 6th 8t., New York, N. Y. 146 Halsey 8t., Brooklyn, N. Y. 1422 University Ave., New York, N. Y. 148 Hilton Ave., Garden City, N. Y. 149 Hilton Ave., Garden City, N. Y. 159 W. 82d 8t., Perth Amboy, N. J. 123 Hillside Ate., New York, N. Y. 169 W. 82d 8t., New York, N. Y. 169 W. 82d 8t., New York, N. Y. 170 W. Ave., Bay Shore, N. Y. 180 W. 82d 8t., New York, N. Y. 1910 W. 82d 8t., New York, N. Y. 1910 W. 82d 8t., New York, N. Y. 1910 W. 81d High School, Newark, N. J. 1711 Hilton Ave., Red Bank, N. J. 1723 Hillside Ave., New York, N. Y. 184 Montross Ave., New York, N. Y. 185 Montross Ave., Rutherlord, N. Y. 187 Richard Ave., New York, N. Y. 188 Montross Ave., Rutherlord, N. Y. 189 Listh 8t., New York, N. Y. 180 Elm 8t., New York, N. Y. 185 Elm 8t., New York, N. Y. 186 Listh 8t., New York, N. Y. 187 Ronator 8t., Brooklyn, N. Y. 188 Ella St., Bloomfield, N. J. 188 Ella St., Bloomfield, N. J. 188 Ella St., Bloomfield, N. J. 189 Ave. New York, N. Y. 186 Abbury Pl., New York, N. Y. 186 Abbury Pl., New York, N. Y. 187 Ronators Ave., New York, N. Y. 188 Ella St., Bloomfield, N. J. 189 Ave. A. New York, N. Y. 180 Abbury Pl., New York, N. Y. 180 Abbury Pl., New York, N. Y. 180 Abbury Pl., New York, N. Y. 180 Abbury Pl., New York, N. Y. 181 Abbury York, N. Y. 181 Abbury York, N. Y. 181 Abbury Ave. New York, N. Y. 182 Abbury Pl., New York,	1
	Homan, Eber J	1915 02d St., Brooklyn, N. Y	
	Honeywell, Robert	515 Prospect Ave., Asbury Park, N. J	
	Hoover, Raymond	215 Clork St. Westfield N. I.	
	Horn Charles W	379 Broodway Far Rockaway N. Y.	
	Horn, Charles W Horning, Robert H.	29 Westfield Ave. E., Roselle Park, N. J	i
	Hornung, Julius L	203 E. 64th St., New York, N. Y	LL
	Hotchkiss, Grosvenor Houseworth, Charles W	146 Halsey St., Brooklyn, N. Y	
	Houseworth, Charles W	2422 University Ave., New York, N. Y	
	Howell, Walter J	135 Edgecombe Ave., New 1 ork, N. 1	
	Huff Frederick W	665 State St. Porth Amboy, N. J.	
	Hulse, L. Mortimer.	9 James St., Middletown, N. Y	
	Howell, Walter J. Hoyt, William L. Huff, Frederick W. Hulse, L. Mortimer. Hulse, Tremaine.	32 3d Ave., Bay Shore, N. Y	
	Humphreys, Ferdinand F	319 W. 82d St., New York, N. Y	
	Humphreys, Ferdinand F. Hunkins, Carl J. Hunkins, Carl J. Hunter, John W. Hunter, Thomas F. Hurd, Theodore. Hurler, Rollin M.	South Side High School, Newark, N. J	
	Hunkins, Carl J	123 Hillside Ave., Newark, N. J.	
	Hunter Thomas F	1102 W 2d Ava Ashury Park N I	
	Hurd Theodore	Tilton Ave. Red Bank, N. J.	
	Huyler, Rollin M. Hymmen, Robert Hynes, Eugene.	809 St. Nicholas Ave., New York, N. Y	
	Hymmen, Robert	100 Armstrong Ave., Jersey City, N. J	
	Hynes, Eugene	2429 Valentine Ave., New York, N. Y	
	Innes, Richard C	343 W. 29th St., New York, N. Y	1
	Isaacson, Charles B	SE2 F 124th St. New York N. V	
	Jackson Ranjamin R	Los Montrogs Ave Rutherford N. J.	1
	Isaacson, Charles B. Jablousky, William Jackson, Benjamin B. Jacquet, Lloyd	478A 16th St., Brooklyn, N. Y.	
	Jakobson, Irving D Jaques, Channing K Jensen, Martin Jockers, Edwin B	370 Senator St., Brooklyn, N. Y	
	Jaques, Channing K	150 Elm St., New Rochelle, N. Y	
	Jensen, Martin	27 Grant Ave., Yonkers. N. Y	
	Jockers, Edwin is	142 Ridge St., Newark, N. J.	
	Johnson, Axel W	1026 2d Ava Naw York N Y	
	Johnson Richard H	23 S. Clinton St., Poughkeepsie, N. Y.	
	Johnson, John A	17 3d St., Woodside, N. Y	
	Johnson, W. Eugene	Grant Ave., East Rockaway, N. Y	
	Johnstone, George W. Jones, Frank. Jones, Robert O. Judson, Joseph E.	235 Rector St., Perth Amboy, N. J.	
	Jones, Frank	1811 Brunswick St., Newark, N. J	
	Jones, Robert U	SO 2d St. Kauport N. J.	
j	Kalhach Charles	2211 Andrews Ave. New York N. Y	
	Kalning, William C.	1455 Ave. A., New York, N. Y.,	
	Kalbach, Charles Kalning, William C Katz, Frederick	1464 Seabury Pl., New York, N. Y	
	Kavanagh, John	1920 Anthony Ave., New York, N. Y	
	Kayser, Herbert Keers, John K	41 Convent Ave., New York, N. Y	1
١	Keers, John K	224 81st St., Brooklyn, N. Y	
ı	Keller George C	203 /30 St., Brooklyn, N. I	
	Kells, David G Keller, George C Kellow, James C	144 Liberty Ave. Jamaica N V	1
	Kennedy, Harold J	51 Bainbridge St., Brooklyn, N. Y.,	
	Kienzle, Henry A Kilmer, Theron W	419 E. 79th St., New York, N. Y	
2			

SECOND DISTRICT—Continued.

Call signal.	Owner of station.	Location of station.	Power
		326 W. 107th St., New York, N. Y. 778 1st Ave., Upper Troy, N. Y. 317 6th Ave., Newark, N. J. 438 E. 148th St., New York, N. Y. 199 Lincoln Pl., Brooklyn, N. Y. 239 Bement Ave., West New Brighton, N. Y. 189 Inwood Ave., Montclair, N. J. 189 Inwood Ave., Montclair, N. J. 189 Inwood Ave., Montclair, N. J. 189 A Cooper St., Brooklyn, N. Y. 274 W. 135th St., New York, N. Y. 274 W. 135th St., New York, N. Y. 274 W. 135th St., New York, N. Y. 274 W. 135th St., New York, N. Y. 279 Webster Ave., New York, N. Y. 109 Walker Ave., Woodhaven, N. Y. 862 Madison St., Brooklyn, N. Y. Woodbridge, N. J. 183 Argyle Rd., Brooklyn, N. Y. 10 Elm St., West Orange, N. J. Hartsdale, N. Y. 202 4th St., Union Hill, N. J. 300 Sickles Ave., New Rochelle, N. Y. 433 9th St., Jersey City, N. J. 319 Academy St., Poughkeepsie, N. Y.	Kw.
2AGZ	King, Frank	326 W. 107th St., New York, N. Y	1.
2QD	King, Wendell W	778 1st Ave., Upper Troy, N. Y	1.
2FI	King, Frank	317 6th Ave., Newark, N. J	
2ANG	Kirschoff, Willard J	438 E. 148th St., New York, N. Y	
2DV	Kissick, Robert G	199 Lincoln Pl., Brooklyn, N. Y.	
2AEC	Kleinberger, Richard	239 Bement Ave., West New Brighton, N. 1	:
2AOH 2AHD	Kleinberger, Richard Kleippe, Arthur Klopak, Joseph Klune, Fred C., jr Knapp, Samuel	500 S 10th St Namark N T	
2AND	Vlune Fred C ir	Harrison N V	
2DH	Knapp Samuel	89 A Cooper St. Brooklyn N Y	
2AJB	Knies, Emil H	274 W. 135th St., New York, N. Y.	
2APQ	Knight, Harold E. H	251 Fenimore St., Brooklyn, N. Y	
2AET	Knopf, Richard	3048 Decatur Ave., New York, N. Y	
2VF	Knapp, Samuel Knies, Emil H Knight, Harold E. H Knopf, Richard Koch, Edward Koenig, George F Kollock, Alan 8 Kollock, Arnett W Koyen, Walter R Krech, Karl G Krantz, Hubert K	168 Willis Ave., New York, N. Y	
2NP	Koenig, George F	4279 Webster Ave., New York, N. Y	
28F	Kollock, Alan 8	1009 Walker Ave., Woodnaven, N. 1	:
2AAP 2ANS	Kouch Walter P	Woodbridge N T	
2BR	Kroch Karl G	316 Godwin Ave Midland Park N. J.	
2A PU	Krantz, Hubert K	183 Argyle Rd., Brooklyn, N. Y.	
280	Kreeft, Raymond A	10 Elm St., West Orange, N. J.	
28Q 2AAR	Krantz, Hubert K. Kreeft, Raymond A. Kroger, Ernest G. Laffenandre, Gaston W.	Hartsdale, N. Y	
2ADS	Laffenandre, Gaston W	Sayville, N. Y.	
2PU	Lalley, Joseph F	202 4th St., Union Hill, N. J.	
2AQK	Lambert, Fred F	300 Sickles Ave., New Rochelle, N. Y	
2H X 2T Y	Lalley, Joseph F. Lambert, Fred F. Lane, David M. Lane, George. Larkin, James S. Larson, Pudobb	130 Academy St. Poughkeensis N. V.	
2JS	Larkin James S	68 F. 58th St. Naw York N. V	
2AOE	Larkin, James S Larsen, Rudolph Laug, Ernest Lauterborn, George E Lawrence, George J., jr Layng, Grant Leathe, William W Leeb, Henry Lorent Leek, Nathaniel L. La Gallaz Clayton B	220 Madison Ava Parth Amboy N I	
2AAM	Laug. Ernest	411 Spring St., West Hoboken, N. J.	
2APJ	Lauterborn, George E	68 N. Lark St., Albany, N. Y	
2MB	Lawrence, George J., jr	Jackson Ave., Nyack, N. Y	
2KG	Layng, Grant	841 St. Nicholas Ave., New York, N. Y	
2AOJ	Leathe, William W	Larchmont, N. Y.	
2CB	Leeb, Henry Lorent	Amaganatt N. V.	1.
2AIK 2MX	Le Galles Clayton P	Slingerlands N V	1.
2AFR	Le Gallez, Clayton B Lehmann, Erich W. G Leighton, Leo	36 Steuben St. East Orange N. J	
2AKR	Leighton, Leo	515 W. 172d St., New York, N. Y	
2ARJ	Leiter, David Lemkie, Harry A Lemmon, Walter S	262 Delancey St., New York, N. Y	
2WG	Lemkie, Harry A	30 Delaware St., Elizabeth, N. J.	
2IE	Lemmon, Walter S	319 W. 94th St., New York, N. Y	
2ANB	Leo, Nelson Le Tarte, Augustin J Lewis, Edward H Leyh, William Lindgren, Richard N	202 4th St., Union Hill, N. J. 300 Sickles Ave., New Rochelle, N. Y. 343 9th St., Jersey City, N. J. 139 Academy St., Poughkeepsie, N. Y. 66 E. 56th St. New York, N. Y. 220 Madison Ave., Perth Amboy, N. J. 411 Spring St., West Hoboken, N. J. 68 N. Lark St. Albany, N. Y. Jackson Ave., Nyack, N. Y. 441 St. Nicholas Ave., New York, N. Y. Larchmont, N. Y. 166 Ralston Ave., South Orange, N. J. Amagansett, N. Y. Slingerlands, N. Y. 36 Steuben St., East Orange, N. J. 36 Steuben St., East Orange, N. J. 515 W. 172d St., New York, N. Y. 262 Delancey St., New York, N. Y. 262 Delancey St., New York, N. Y. 30 Delaware St., Elizabeth, N. J. 319 W. 94th St., New York, N. Y. 466 Cellan St., Schenectady, N. Y. 20-21 Morningside Ave., New York, N. Y. 20-21 Morningside Ave., New York, N. Y. 2072 Mansfield Pl., Sheepshead Bay, N. Y. 1874 Himrod St., Brooklyn, N. Y. 2672 Wansfield Pl., Sheepshead Bay, N. Y. 2187 Prospect St., East Orange, N. J. 2672 Mansfield Pl., Sheepshead Bay, N. Y. 218 Elward St., Ossining, N. Y. 218 Edward St., Ossining, N. Y. 218 Edward St., New York, N. Y. 220 Edward St., New York, N. Y. 23 Edward St., New York, N. Y. 245 E. 88th St., New York, N. Y. 262 W. 7th St., New York, N. Y. 262 W. 7th St., New York, N. Y. 263 Maolis Ave., Bloomfield, N. J. 25 Maolis Ave., Bloomfield, N. J.	1.
2AAV	Lawis Edward H	20.21 Morningsida Ava Naw York N V	1.
2AGK 2AEW	Lovh William	1867 Himrod St. Brooklyn N V	
2AGC	Lindgren, Richard N	788 E. 175th St., New York, N. Y.	1.
2ANA	Lingheimer, Carl M	102 Watson Ave., Newark, N. J.	1.
2AHU	Littlefield, Charles E	2672 Mansfield Pl., Sheepshead Bay, N. Y	
2AKP	Lockard, J. F	1 St. Nicholas Ter., New York, N. Y	
2JF	Lingbeimer, Carl M Littlefield, Charles E. Lockard, J. F. Lockwood, Nelson W.	237 Prospect St., East Orange, N. J.	
2ABR	Lockwood, Nelson W. Lorini, Osmun W. Loub, Arthur F. Lounsberry, Isaac R. Love, John H. Lowe, Graham von S.	445 E 99th Ot Now York N. Y.	
2VI 2BB	Loud, Arthur F	12 Edward St. Occining N V	
2AQL	Love John H	Barron Ava High School Ruilding Woodbridge N I	
2ED	Lowe, Graham von S.	262 W. 77th St., New York, N. Y.	
2BZ	Lyman, C. Glenn Lyons, William B. MacBride, William D. Machlett, Raymond R.	Babylon, N. Y.	
2HO	Lyons, William B	Broad St., Bloomfield, N. J	1.
2ASG	MacBride, William D	65 Maolis Ave., Bloomfield, N. J	
2ARU	Machlett, Raymond R	131 W. 188th St., New York, N. Y	
2ABS 2WY	Mack, Burtis D	Pleasantville, N. Y	1.
2W Y	MacLeod, Myron R	169 Congress St. Brooklyn, N. I	
2AOB 2ABM	Magannis Arthur K	Edgewater, N. J.	
2AAO	Magnire, Howard S.	814 Lancaster St., Albany, N. Y.	
ODK	Maguire, Nelson	317 E. 144th St., New York, N. Y.	
2DC	Maher, Frank	207 E. 158th St., New York, N. Y	
2ACS	Maier, John C	211 E. Union Ave., Bound Brook, N. J	
2KE	Maloney, Joseph T	164 E. 82d st., New York, N. Y	- 3
2GQ	Manning, Charles T	SI N. Maple Ave., East Orange, N. J.	
2AOM	Manning, Conant	191 Alexander Ave., Montciair, N. J	. 1
2AGB	Machlett, Raymond R. Mack, Burtis D. MacLeod, Myron R. Macksond, Michel E. Magennis, Arthur K. Maguire, Howard 8. Maguire, Nelson. Maher, Frank. Maier, John C. Maloney, Joseph T. Manning, Charles T. Manning, Conant. Marchant, Ralph. Mardon, F. Herbert. Marshall, Loonard H. Masse, F. Kenneth.	Babylon, N. Y. Broad St., Bloomfield, N. J. Broad St., Bloomfield, N. J. 131 W. 188th St., New York, N. Y. Pleasantville, N. Y. 530 5th St., Brooklyn, N. Y. 62 Congress St., Brooklyn, N. Y. 62 Lancaster St., Albany, N. Y. 814 Lancaster St., Albany, N. Y. 817 E. 144th St., New York, N. Y. 207 E. 158th St., New York, N. Y. 211 E. Union Ave., Bound Brook, N. J. 64 E. 82d st., New York, N. Y. 81 N. Maple Ave., East Orange, N. J. 191 Alexander Ave., Montclair, N. J. 2711 Creston Ave., New York, N. Y. 1309 West Farms Rd., New York, N. Y. 240 Westchester Ave., Rye, N. Y. 358 Moraleman St., Belleville, N. J.	1.
20 X 2A H N	Marchall Looperd H	240 Wastahastar Ava Rva N V	

SECOND DISTRICT-Continued.

ALPHABETICALLY BY OWNERS OF STATIONS-Continued.

Call gnal.	Owner of station.	Location of station.	Power
		106 Lewis St., Paterson, N. J. Keyport, N. J. Bayside, N. Y. 65 Osborn St., Keyport, N. J. 1684 Ave. A, New York, N. Y. 143 High St., Montelair, N. J. 159 W. 139th St., New York, N. Y. 157 Elm St., Elizabeth, N. J. Tenaily, N. J. Tenaily, N. J. 1012 Sutter Ave., Brooklyn, N. Y. 319 Dudly Ave., Westfield, N. J. 125 High St., Nutley, N. J. 45 Lee Ave., Yonkers, N. Y. R. F. D. No. 2, Peekskill, N. Y. 23 Woodland Pl., White Plains, N. Y. 1127 Avenue G., Brooklyn, N. Y. 821 E. 216th St., New York, N. Y. 343 Shonnard Ter., Yonkers, N. Y. 300 Glenwood Ave., Bloomfield, N. J. 38 Central Ave., Tompkinsville, N. Y. 105 Francisco Ave., Rutherford, N. J. 571 59th St., Brooklyn, N. Y. 175 Highland Ave., Newark, N. J. Marlboro, N. J. 306 Decatur St., Brooklyn, N. Y.	Kw.
ALN	Mason, Percy II	106 Lewis St., Paterson, N. J.	0.
GX	Mason, Samuel F	Keyport, N. J.	
AFD	Massimo, Albert. Maurer, Edward W	Sayside, N. Y.	
AHL	May, Anthony	1684 Ava A Naw York N Y	1.
SG	May Fred	143 High St. Montelule N. I.	1.
TD	May, Fred. Mayer, Arthur C. Mayer, Warren J.	319 W. 139th St., New York, N. Y.	
AGG	Mayer, Warren J	157 Elm St., Elizabeth, N. J.	
HP	Mayhew, B. Alan, jr McCarthy, George W McClintock, George C McClintock, Ralph W	Tenally, N. J.	1
VX	McCarthy, George W	1012 Sutter Ave., Brooklyn, N. Y.	
IL	McClintock, George C	319 Dudly Ave., Westfield, N. J.	
GP	McClintock, Ralph W	125 High St., Nutley, N. J.	
HA	McCoy, Daniel McCoy, Lester M	45 Lee Ave., Yonkers, N. Y	1
ARK	McCoy, Lester M	R. F. D. NO. 2, Feekskill, N. Y.	
BY BO	McHugh, John A	1127 Aparta C. Readdon M. V.	
HM	McIntire, Meyfert A	821 E 216th St. New York N. V	
AJO	McKenna John R	134 Shonnard Ter., Yonkers, N. Y.,	
EY	McKinney, Fred J	300 Glenwood Ave., Bloomfield, N. J.	
ANE	McKee, Clarence A. McKenna, John R. McKinney, Fred J. McLean, True.	38 Central Ave., Tompkinsville, N. Y	1
PI	McLoughlin, Robert J McMonagle, Daniel J Manchee, Alleyne W	105 Francisco Ave., Rutherford, N. J.	
AEO	McMonagle, Daniel J	571 59th St., Brooklyn, N. Y	
ALF	Manchee, Alleyne W	745 Highland Ave., Newark, N. J	
AKL	Maran, Joseph F	Marlboro, N. J. 236 Decatur St., Brooklyn, N. Y. 990 1st Ave., New York, N. Y. Lynbrook, N. Y. 27 Zabriskie St., Jersey City, N. J.	
LI NV	Meacham, Fredk. C., jr	230 Decault St., Drooklyn, N. 1	1
OF	Meler Robert A	Lunbrook N V	l i
AAW	Meinecke, Ernest	27 Zabelskie St. Jersey City, N. J.	
AAE	Mekeel, Arthur H Melville, Richard T Merrihew, John E., jr. Merrill, J. Stewart	Lloyd, N. Y.	
AW	Melville, Richard T	501 Sixth St., Brooklyn, N. Y.	
ALC	Merrihew, John E., jr	Northport, N. Y	
BL	Merrill, J. Stewart	Lynbrook, N. Y.	1
NO	Merritt, Frank	28 Spring St., Red Bank, N. J	
AHG	Mersfelder, J. Henry, jr	135 Cooling Ave. Ashuru Book, N. J.	
ANU	Meuke, Charles H	50 Reaweter St. Tompking Illa N V	
IF	Midgley, Herbert. Miller, Eugene B. Miller, Fred W. Miller, George.	4 New Vanderbilt Ave Jamaica N. Y.	1
ACY	Miller, Fred W	12 Hicks Ave., Winfield, N. Y.	1
AIV	Miller, George	Huntington Station, N. Y	
[D	Miller, John W., jr	119 Smith St., Peekskill, N. Y	
ARQ	Miller, Raymond II	327 Hillside Ave., Newark, N. J	1
ADI	Miller, John W., jr Miller, Raymond H Mitchell, Clifford E Moles, Charles E	79 Walnut St., Walden, N. Y	
NI MI	Moreig Forle S	1102 Doon St. Procklyn N. V.	
LN	Morrison Clifford P	2513 Catalna Ave. Brooklyn N. V	1
MT	Moris, Earle S. Morrison, Clifford P. Moses, Abram W. Moss, Sidney W. Mott, Harold	270 E 161st St. New York, N. Y.	
GM	Moss, Sidney W	56 Taylor Pl., So. Orange, N. J.	
PO	Mott, Harold	67 Mott Ave., Far Rockaway, N. Y	
K8	Mowton, Edward M	70 Hillcrest Ave., Yonkers, N. Y	1
HY	Mowton, Edward M	317 Church St., Poughkeepsie, N. Y	١.
AML	Muleshy Frank H	Lynbrook, N. Y 27 Zabriskie St., Jersey City, N. J Lloyd, N. Y 501 Sixth St. Brooklyn, N. Y Northport, N. Y Lynbrook, N. Y 28 Spring St., Red Bank, N. J 792 S. 13th St., Newark, N. J 135 Corlies Ave., Asbury Park, N. J 59 Brewster St., Tompkinsyllle, N. Y 4 New Vanderbilt Ave., Jamaica, N. Y 12 Hicks Ave., Winfield, N. Y Huntington Station, N. Y 119 Smith St., Peekskill, N. Y 327 Hillside Ave., Newark, N. J 729 Valentine Lane, Yonkers, N. Y 1192 Dean St., Walden, N. Y 213 Catalpa Ave., Brooklyn, N. Y 270 E. 161st St., New York, N. Y 56 Taylor Pl., So. Orange, N. J 67 Mott Ave., Far Rockaway, N. Y 70 Hillcrest Ave., Yonkers, N. Y 410 Monroe Ave., Elizabeth, N. J 440 Monroe Ave., Elizabeth, N. J 444 E. 169th St., New York, N. Y 6 Weekes Ave., Oyster Bay, N. Y 203 E. 71st St., New York, N. Y 51 W. 123d St., New York, N. Y 91 Ingram St., Yonkers, N. Y 91 Ingram St., Yonkers, N. Y 91 Ingram St., Yonkers, N. Y 91 Ingram St., Yonkers, N. Y 91 Ingram St., Yonkers, N. Y 91 Ingram St., Yonkers, N. Y 91 Ingram St., Yonkers, N. Y 91 Ingram St., Yonkers, N. Y 91 Ingram St., Yonkers, N. Y 91 Ingram St., Yonkers, N. Y 91 Ingram St., Yonkers, N. Y 91 Ingram St., Yonkers, N. Y 91 Ingram St., Yonkers, N. Y 921 N. James St., Peekskill, N. Y.	1
AG	Mulcahy, Frank H Mulford, Harold C Muller, Herbert W	6 Wookes Ave Oveter Ray N V	
AFY	Muller, Herbert W	203 E. 71st St., New York, N. Y.	
IOA	Muller, Henry G	541 W. 123d St., New York, N. Y	
HJ	Muller, Henry G. Muller, Julius A., jr. Mulligan, Harry G. Mulvaney, Thomas Murphy, Dennis Murray, Charles Murray, Staphan A.	301 Union Ave., Mt. Vernon, N. Y	
GO	Mulligan, Harry G	356 Madison Ave., Albany, N. Y	
ALQ	Mulvaney, Thomas	1903 Barnes Ave., Westchester, N. Y	
GI	Murphy, Dennis	9 ingram St., Yonkers, N. Y	
AFQ	Murray Stanban A	401 Monhattan Ava New York N V	
FT	Murray, William E	521 N. James St., Peekskill N Y	
ABA	Myers Austin S	129 Wallace Ave., Mt. Vernon, N. Y	1
ANO	Nelson, Irvang J	80 E. 115th St., New York, N. Y	
GU	New York Catholic Protec-	Great North, N. J. 401 Manhattan Ave., New York, N. Y. 521 N. James St., Peekskill, N. Y. 129 Wallace Ave., Mt. Vernon, N. Y. 80 E. 115th St., New York, N. Y. Walker Ave., Westchester, N. Y.	
	New York Engineering Col-		
	lege. See Harrietts, James		
	В.		
NW	New York School of Telegraphy.	2-14 W. 125th St., New York, N. Y	
AKD	Nichols, Robert W	708 1st Ave., Asbury Park, N. J.	
NN	Nightingale, John J	103 17th Ave., Paterson, N. J.	
AHP	Noble, J. Kendrick		

54257°-16---7

SECOND DISTRICT-Continued.

Call signal.	Owner of station.	Location of station.	Pow
		449 E. 183d St., New York, N. Y. 1005 Emory St., Asbury Park, N. Y. 1005 Emory St., Asbury Park, N. Y. 1285 E. 157th St., New York, N. Y. 1789 Franklin Ave., Brooklyn, N. Y. 1789 Franklin Ave., Brooklyn, N. Y. 1840 St. New York, N. Y. 1841 St., West New York, N. Y. 1841 St., West New York, N. Y. 1842 Howard St., Peekskill, N. Y. 1843 Howard St., Peekskill, N. Y. 1843 Howard St., New York, N. Y. 1844 Union Ave., New York, N. Y. 1844 Union Ave., Belleville, N. J. 1864 Union Ave., Belleville, N. J. 1864 Union Ave., Belleville, N. J. 1870 Yam Peit St., Long Island City, N. Y. 1870 Yam Peit St., Long Island City, N. Y. 1871 St., Schenectady, N. Y. 1872 St., New York, N. Y. 1873 Yam Peit St., Long Island City, N. Y. 1874 St., New York, N. Y. 1875 Y. Y. Y. Y. Y. Y. Y. Y. Y. Y. Y. Y. Y.	Ku
2KF	Nolan, George T. Norris, Robert P. Obert, J. Edwin O'Brien, Laurence J. O'Brien, Thomas.	449 E. 183d St., New York, N. Y	
2AGO	Norris, Robert P.	906 St. Marks Ave., New York, N. Y	
2A PB	Obert, J. Edwin	1005 Emory St., Asbury Park, N. J	1
20 L 20 K	O'Brien, Laurence J	285 E. 157th St., New York, N. Y	
2KU	Oehmen, Oscar	750 Franklin Ava Brooklyn N V	100
2ALS	Oction John I	513 17th St. West New York N. I	
2UV	Oliver George E	511 Ave A. Bayonne, N. J.	
2ABW	Oetjen, John J. Oliver, George E. Olsen, Arthur C.	1046 Summit Ave., New York, N. Y	
2ACP	Olson, Alfred E. Olson, George I. Olson, Oscar A. O'Mar a, Edward F.	4035 Park Ave., New York, N. Y	
2AKG	Olson, George I	1348 Howard St., Peekskill, N. Y	
2BU	Olson, Oscar A	948 Stebbins Ave., New York, N. Y	
20 M	O'Mar a, Edward F	114 W. 61st St., New York, N. Y	
2QU	O'Mar a, Edward F. Osborne, J. Spencer Ostrewich, Thaddeus. Oudin, C. Folger. Pacent, L. Gerard. Paige, John S. Palm, J. Adam.	164 Union Ave., Belleville, N. J	0
2AIN 2AFT	Oudin C Folger	7 Union St. Schenogrady, N. V.	
2 RE	Pagant I Carard	307 Van Pelt St. Long Island City N Y	1
2AEX	Paige John S	999 Esplanade, Pelham Manor, N. Y	
2NK	Palm, J. Adam	18 14th Ave., Mt. Vernon, N. Y	
2AQH	Palmer, Thomas	18 Fulton St., Newark, N. J.	
2GK	Palmer, Thomas Pate, W. Schuyler Patton, Norman F Pawley, Myron G Pearl, Eugene S	8 Douglas Rd., Glen Ridge, N. J.	
210	Patton, Norman F	257 W. 92d St., New York, N. Y	1
2ARI	Pawley, Myron G	513 2d Ave., Asbury Park, N. J	
2AZ	Pearl, Eugene S	307 Gregory Ave., l'assaic, N. J	
2WH	Pearsall, Arthur R	201 E Ooth St. New York N. V.	
2ALU 2PH	Peiler, Harold L.	40 Pandleton Pl New Reighton N Y	
2MD	Pendleton Harold A	799 Ouincy St. Brooklyn N. Y.	1
2AAZ	Pendleton, Archibald. Pendleton, Harold A. Pennell, Vere F. Perkins, William J.	15 Baldwin St., Newark, N. J.	1
2ADZ	Perkins, William J	425 75th St., Brooklyn, N. Y	1
2ARL	Perry, Irving D	68 N. Parkway, East Orange, N. J	
2AEJ	Pettit, Mortlock S	88 Fanshawe Ave., Yonkers, N. Y	
2FA	Perry, Irving D. Pettit, Mortlock S. Pfeifer, Clarence H. Pfeil, A. Leslie.	306 Prospect St., Ridgewood, N. J	
2NZ	Pfeil, A. Leslie	242 Cottage St., Irvington, N. I	
2AIC	Pfaltz, Orlando R. Phelan, Charles W. Picken, James C., jr. Pieri, Donald. Plauth, William.	61 Dowell Ave. Poekwille Center N V	
2U X 2R X	Picken James C is	125 Sherman Ave New York, N. Y.	
2110	Pieri Donald	Westchester and Bergen Aves., New York, N.Y	0
2ARB	Plauth, William	179 Euclid Ave., Brooklyn, N. Y	-
2KW	Plummer, James A	340 Orient Way, Rutherford, N. J	1
2ACL	Pohlman, Lauren V	424 Brandywine Ave., Schenectady, N. Y	6
2ACC	Poling, Gifford	Keyport, N. J	
2AIZ	Poling, Russell H	24 Olifton Dl. Brooklyn N. V	100
2WC 2WT	Poole William C	53 Manla St Vankers N V	
2PF	Pollock, J. Millard Poole, William C Pope, Frederick B	24 Carroll St. Yonkers, N. Y.	
2AEY	Poppele Jacob ir	38 Jacob St., Newark, N. J.	
2RJ	Porter, Charles A	1700 Ditmas Ave., Brooklyn, N. Y	
2DQ	Porter, Roland W	1991-1993 Washington Ave., New York, N. Y	
20 P	Poppele, Jacob, jr Porter, Charles A Porter, Roland W Prendergast, Robert M	174 4th St., Union Course, N. Y	-
2APP	Prinz, Peter J. Pulsifer, Frederic K., jr. Purvis, Harry. Pruden, Harold M.	28 Hanson Pl., Jamaica, N. Y	
2ABV	Pulsiler, Frederic K., Jr	500 W 173d St New York N Y	
2A PM 2 J P	Pruden Harold M	142 N 15th St., East Orange, N. J.	1
2EI	Quick, Henry C	471 75th St., Brooklyn, N. Y	1
2AGY	Radio Stations of the World.		1
	See Ellingham, Irving.		
2ARH	See Ellingham, Irving. Randell, Edward J. Randolph A Rappolt, Frank A. Rattner, Manuel	Fort Totten, N. Y	
2TK	Randolph, Randolph A	558 W. 165th St., New York, N. Y	1
2AED	Rappolt, Frank A	26 Union St. Poughkeensie N. V.	
2AFG	Rattner, Manuel	Island Haights N I	
2ARO 2ANH	Ranfor Frank I	50 Shepherd Ave., Brooklyn, N. Y.	
20E	Raynor, Sinclair L	Freeport, N. Y.	
2AJD	Raufer, Frank J Raynor, Sinclair L Redfern, William W., jr Reed, Cacil J.	2249 82d St., Brooklyn, N. Y	
2AJII	Reed, Cecil J	26 College Pl., Newark, N. J	
2ABZ	Regan, Claude	Keyport, N. J	
2JV	Reich, Herbert J	79 10th St., New Dorp, N. Y	
2ACF	Reran, Claude Reich, Herbert J. Reichman, John T. Reilly, Hugh	Bellord, N. J	
2AJT	Reilly, Hugh	500 W 16let St. New York N. V.	
2RH 2AJM	Reiss, Lester	Huntington N V	
2RB	Reiss, Lester	181 Norman St., Poughkeepsie, N. Y. Island Heights, N. J. Island Heights, N. J. So Shepherd Ave., Brooklyn, N. Y. Freeport, N. Y. 2249 82d St., Brooklyn, N. Y. 226 College Pl., Newark, N. J. Keyport, N. J. 79 10th St., New Dorp, N. Y. Belford, N. J. 9808 Fort Hamilton Ave., Brooklyn, N. Y. Huntington, N. Y. Huntington, N. Y. 480 9th Ave., New York, N. Y. 42½ Van Reipen Ave., Jersey City, N. J. 222 S. Clinton St., East Orange, N. J.	
2AHQ	Revle. Stanley	423 Van Reipen Ave., Jersey City, N. J.	
ZAEL	Reynolds, Albert S		

SECOND DISTRICT—Continued.

Call signal.	Owner of station.	Location of station.	l'ower
			Kic.
2AAT	Reynolds, Palmer W	3 N. Terrace Ave., Mt. Vernon, N. Y. 16 Camp Woods Rd., Ossining, N. Y. 715 St. Nicholas Ave., New York, N. Y. 16 Culver St., Yonkers, N. Y. 554 W. 184th St., New York, N. Y. 148 Blvd., Rockaway Beach, N. Y. 147 Wisner Ave., Middletown, N. Y. 110 Catalpa Ave., Perth Amboy, N. J. Babylon, N. Y. 614 5th Ave., Upper Troy, N. Y. Tenafly, N. J. 125 Hunter Ave., Long Island City, N. Y. 98 Piermont Ave., Nyack, N. Y. 75 Montross St., Rutherford, N. J. 113 Johnson St., Highland Park, N. J. 2 Irving Pl., Jamaka, N. Y.	0.
2ACG	Reynolds, Palmer W Reynolds, Thomas A	16 Camp Woods Rd., Ossining, N. Y	
2AJZ	Rice, Robert	715 St. Nicholas Ave., New York, N. Y.	- 2
2ACU 2AHZ	Richardson, John R	16 Ciliver St., 1 onkers, N. 1	
2100	Richter Robert	148 Rlvd Rockaway Rosch N V	1.
2AGP	Richter, Robert. Ripperger, Clinton	147 Wisner Ave., Middletown, N. Y	
2CV 2CU	Ritter, Alexander	110 Catalpa Ave., Perth Amboy, N. J.	
2CU	Robbins, Walter G	Babylon, N. Y	1
2CD	Ritter, Alexander. Robbins, Walter G. Robbins, William E., jr. Roberts, A. Perry. Roberts, Hugh V. Robertson, Gus. Robertson, Marie F.	614 5th Ave., Upper Troy, N. Y	
2LC 2AKB	Roberts, A. Perry	1950 Hollis Ave Hollis N V	1.
2VE	Robertson, Gus	125 Hunter Ave., Long Island City, N. Y	1
2KT	Robertson, Merle E	98 l'iermont Ave., Nyack, N. Y	
2QR	Robertson, William L	57 Montross St., Rutherford, N. J.	
2.4 K.H	Robinson, Christopher S	113 Johnson St., Highland Park, N. J	
2AH 2HE	Rock Larov W	201 Reach St. Rad Rank N. I	1.
2AMZ	Roehrich, Henry	2 Belmont Ave. Garfield, N. J.	:
2ACO	Rogers, John	13 W. 100th St., New York, N. Y	
240Q	Robertson, Gils Robertson, Merle E Robertson, William I. Robinson, Christopher S Roche, Walter J Rock, Leroy W Roehrich, Henry Rogers, John Roquer, Leon E Rose Henry D	76 Fox Ter., Dunwoodle, N. Y.	
2ADG	Rosa, Harry D	52 Gate St., Poughkeepsie, N. Y.	
2AGQ 2A日日	Rosa, Harry D Rosenberg, Uda B Rossner, James E Roth, August F Rowley, Herbert G	113 Johnson Bt., Highland Park, N. J. 2 Irving Pl., Jamaka, N. Y. 201 Beach St., Red Bank, N. J. 2 Belmont Ave., Garfield, N. J. 3 W. 100th St., New York, N. Y. 76 Fox Ter., Dunwoodle, N. Y. 52 Gate St., Poughkeepsie, N. Y. 2116 Honeywell Ave., New York, N. Y. 2116 Tove Ave., Albany, N. Y. 2316 Gleason Ave., New York, N. Y. 107 Clifton Ave., Newark, N. J. 59 Park Ter., West Ornize, N. J.	:
2FN	Roth, August F	2316 Glesson Ave., New York, N. Y	1.
2AJE	Rowley, Herbert G	107 Clifton Ave., Newark, N. J.	_ ·
2TH	Roy, James A. S. Ruddy, George F. Ruhlmann, Ernest R.	59 Park Ter., West Orange, N. J.	
2AMJ	Ruddy, George F	186 High St., Perth Amboy, N. J	
2JI 2AHT	Runimann, Ernest R	107 2d St. Palham N. V.	1.
2ANP	Rupert, Stephen E. G Valentine, Russell D	165 Amboy Ave., Woodbridge, N. J.	1.
2AAM	Russo, Ernest O	Atlantic City, N. J.	
2AAM 2DE	Ruttmann, Ferdinand	605 W. 141st St., New York, N. Y	
2WL	Ryan, Lester F	18 Kosciusko St., Brooklyn, N. Y	
2DM 2ACJ	Sachs, Harold A mades	146 W 65th St. New York N. 1	
28B	Saenz de Calahorra, Amadeo. Sangree, Ernest M. Saxton, Herbert.	1807 Ditmas Ava. Brooklyn N. Y	-
2AEN	Saxton, Herbert	215 Bidwell Ave., Jersey City, N. J.	
2LH	Sayres, Raiph A Schabbehar, Edwin A Schaefer, Charles	4645 Central Ave., Richmond Hill, N. Y	
2KS	Schabbehar, Edwin A	412 Village Ave., Hempstead, N. Y	1.
2AFI 2CS	Schaefer, Charles L	201 Broadway Post Dichmond N V	1.
2A NW	Schaefer, Maximillian	73 W. 115th St., New York, N. Y.	1
2KQ	Schaefer, Muximillian	185 N. 16th St., East Orange, N. J] :
2AFH	Schaeffer, Adolph	1487 Nostrand Ave., Brooklyn, N. Y	
2AAN	Schanck, Henry S	92 Main St., Keyport, N. J.	
2APK 2BF	Schedler, Herbert D. Schell, Richard, jr.	35 Grasmara Ava. Grasmara N. Y	
2AGL	Schenone John	15 1st St., Keyport, N. J.	1
2AGT	Schenone, John. Schleckser, Raymond R. Schlitz, Karl W. Schmelzer, Gerhard.	12 Fabyan Pl., Newark, N. J.	
2AOZ	Schlitz, Karl W	28 Jefferson St., Brooklyn, N. Y	
2AJW	Schmelzer, Gerhard	7301 3d Ave., Brooklyn, N. Y	
2AIE 2PD	Scholz, Frank A	26 Inderedit Ave. Edgewater N. I	:
2A U	Schomp, Roy. Schram, John, jr.	283 E. 32d St., Brooklyn, N. Y.	1
2ASJ	Schroeder, Henry Schuck, Charles H. Schwarz, Sylvan S.	23 N. 12th St., Haledon, N. J.	
2HI	Schuck, Charles H	1966 University Ave., New York, N. Y	
2AKX	Schwarz, Sylvan S	30 Osborne Ter., Newark, N. J.	
2PQ 2ND	Schwartz, Max B	210 2d Ave. Brooklyn, N. Y	
2ND 2IN	Scoffold Robert W	27 Macon St. Brooklyn, N. I	
2AQG	Schwalzer, Charles I. Scoffeld, Robert W. Scott, Walter F. Scull, Walter	207 N. 11th St., Newark, N. J.	
2AIU	Scull, Walter	260 Fairmount Ave., Jersey City, N. J	
2AJR	Seckel, William	220 Wadsworth Ave., New York, N. Y	
2AN	Segall Louis M	1832 65th St. Recoklym N. J.	
2ACM 2AMC	Sailer Frank R	54 Elm St., Summit. N. J.	
2ANK	Seitz, Wesley	7 Seitz Court, Patchogue, N. Y.	
2ANX	Scull, Walter Seckel, William Sedlak, Conrad J Segall, Louis M Seller, Frank B Seitz, Wesley Shuw, Albert E, jr Shaw, Horace S Sheldon, Henry B Showalter, John W	31 Grove Åve, Albany, N. Y. 2316 Gleason Ave, New York, N. Y. 107 Clifton Ave, Newark, N. J. 59 Park Ter., West Orange, N. J. 186 High St., Perth Amboy, N. J. 97 W. 34th St., Bayonne, N. J. 107 2d St., Pelham, N. Y. 105 Amboy Ave, Woodbridge, N. J. Atlantic City, N. J. 105 Amboy Ave, Woodbridge, N. J. Atlantic City, N. J. 106 W. Hist St., New York, N. Y. 18 Koschisko St., Brooklyn, N. Y. 18 Koschisko St., Brooklyn, N. Y. 197 Ditmas Ave, Brooklyn, N. Y. 197 Ditmas Ave, Brooklyn, N. Y. 215 Bidwell Ave., Jersey City, N. J. 4045 Central Ave., Richmond Hill, N. Y. 212 Webster Ave., New York, N. Y. 2027 Webster Ave., New York, N. Y. 2018 Froadway, Port Richmond, N. Y. 23 W. 115th St., East Orange, N. J. 1024 Summit Ave., Brooklyn, N. Y. 29 Main St., Keyport, N. J. 1024 Summit Ave., Grasmere, N. Y. 15 Ist St., Keyport, N. J. 1024 Summit Ave., Brooklyn, N. Y. 23 Jefferson St., Brooklyn, N. Y. 231 New York Ave., Newark, N. J. 251 New York Ave., Newark, N. J. 261 Grander Fer., N. Wark, N. J. 27 St. Johns Pl., Brooklyn, N. Y. 283 E. 32d St., Brooklyn, N. Y. 281 New York Ave., Newark, N. J. 1966 University Ave., New York, N. Y. 290 Fairmount Ave., Brooklyn, N. Y. 291 St. Johns Pl., Brooklyn, N. Y. 292 Wadsworth Ave., New York, N. Y. 293 Fairmount Ave., Jersey City, N. J. 294 St. Johns Pl., Brooklyn, N. Y. 295 Fairmount Ave., New York, N. Y. 296 Fairmount Ave., Jersey City, N. J. 296 Eairmount Ave., New York, N. Y. 297 N. 11th St., New Durhnm, N. Y. 298 Econd Ave., Highland Park, N. J. 298 Econd Ave., Highland Park, N. J.	
2PZ	Shaw, Horace S	391 St. Johns Pl., Brooklyn, N. Y	
2ALM	Sheldon, Henry B	26 Main St., Keyport, N. J.	
2AQY 2CG	Shield Frederick	23 Second Ave. Highland Purk V I	
2AOR	Shirvell, Ernest J A	32 Lawrence St., New York, N. Y.	
20 U	Sheidon, Henry B Showalter, John W Shield, Frederic K Shirvell, Ernest J. A Siebert, Walter Siegmann, Harry E. Sievering, Harry W.	26 Main St., Keyport, N. J. 26 Main St., Keyport, N. J. 333 Birch St., Richmond Hill, N. Y. 23 Second Ave., Highland Park, N. J. 32 Lawrence St., New York, N. Y. 1538 E. 15th St., Brooklyn, N. Y. 36 Davis St., Rockwille Center, N. Y. 54 Navin Pl., Newark, N. J.	100
2GV	Siegmann, Harry E	36 Davis St., Rockville Center, N. Y	1.
2AGV	Diagracing Horey W	154 Navin Pl. Newark N. J.	į.

SECOND DISTRICT-Continued.

Call signal.	Owner of station.	Location of station.	Powe
04.4.1)	Cillade William C	200 F 144th St. Nam Vorle M V	Kw.
2AAD 2APD	Silleck, William C Skinner, William	388 E. 144th St., New York, N. Y	0
2BI	Slater, Harry	156 19th St., Brooklyn, N. Y.	1.4.00
2AQI	Smejkal, Harry	1349 1st Ave., New York, N. Y	
2AQU	Smith, E. Carter	572 W. 187th St., New York, N. Y	Y
2JB	Smith, É. Carter. Smith, Clarence B., jr Smith, Edward J. Smith, Edward J. Smith, J. Owne. Smith, Nelson M. Smith, Nelson W. Smith, Nelson V. Smith, Ralph C. Smith, Robert W. Smith, William W. Solberg, Walter. Sommer, Isidor.	Ridgewood Ave. and Spruce St., Richmond Hill, N. Y. 136 19th St., Brooklyn, N. Y. 1349 1st Ave., New York, N. Y. 1572 W. 187th St., New York, N. Y. 1017 South Ave., Westfield, N. J. 1027 E. 27th St., New York, N. Y. 185 Brooklyn Ave., Brooklyn, N. Y. 185 Brooklyn Ave., Brooklyn, N. Y. 1843 Norton Ave., Port Chester, N. Y. 185 Stream, N. Y. 186 Cotton Ave., Port Chester, N. Y. 187 New York, N. Y. 188 Stream, N. Y. 189 N. 14th St., East Orange, N. J. 189 N. 14th St., East Orange, N. J. 189 N. 14th St., East Orange, N. J. 189 Cotton Ave., Ossining, N. Y. 180 Columbia St., New York, N. Y. 180 Odell St., Schenectady, N. Y. 180 Odell St., Schenectady, N. Y. 180 Raynor St., Freeport, N. Y.	1
2AFX	Smith, Edward J	327 E. 27th St., New York, N. Y	
2K P 2LK	Smith, Edgar T	Vulley Street N V	
21.K 21.V	Smith Nelson M	143 Norton Ave Port Chester N V	
2JO	Smith, Nelson V	Lawrence, N. Y.	1
2AEU	Smith, Ralph C	129 N. 14th St., East Orange, N. J	
2ABQ	Smith, Robert W	152 ('roton Ave., Ossining, N. Y	
2AMF	Smith, William W	207 Wegman Parkway, Jersey City, N. J	
2KH	Solberg, Walter	620 46th St., Brooklyn, N. Y	
2AQV	Sommer, Isidor	150 2d Ave. Newstork, N. I	
2GC 2RP	Sonn, Albert E. Sorgeus, Walter M. Southard, Sealey M. South Side High School Ra-	29 Odell St. Schenectady N. Y.	
2ARE	Southard, Sealey M	32 Raynor St., Freeport, N. Y.	
221112	South Side High School Ra-	,	
	dio Club. See Hunkins,		
	Carl J. Spader, William V Spalding, Kenneth W	100 tot Ave. Illiables d Deals N. I	
2A LJ 2KZ	Spader, William V	103 1st Ave., Highland Park, N. J.	
2KZ 2IM	Spangenberg, Lester	25 S 4th St. Lakeview N I	
2WP	Spannaus, Charles O	660 W. 180th St., New York, N. Y.	
2RF	Springer, C. Meredith Squire, Milford	8 Ithaca St., Elmhurst, N. Y	
2UY	Squire, Milford	122 Guion Ave., Richmond Hill, N. Y	
2AOU	Stadler, Reuben L	304 McNeal St., Millville, N. J.	
2APC	Stanard, John	1974 University Ave., New York, N. Y	
2FS 2AL	Stanley, Howard L	654 Putnam Ave Brooklyn N V	
2A KC	Stanard, John Stanley, Howard L. Stanley, Walter N. Stantley, Joseph J. Stanton, Walter A. Starrett, John Steinkamp, Harold. Steinkamp, Harold. Stenger, Harry C. Sterns, Morton W. Stevens, Fred. Stewart, Douglass.	5 Hampton Court Ter., Jersey City, N. J.	
2AGS	Stanton, Walter A	782-A Hancock St., Brooklyn, N. Y	
2AEE	Starrett, John	440 McDonough St., Brooklyn, N. Y	
2VW	Steinkamp, Harold	89 Hyatt Ave., Yonkers, N. Y	
2AJN	Stenger, Harry C	484 Underdonk Ave., Brooklyn, N. Y	
2AB 2AFL	Sterns, Morton W	15 Wood Pl Vonkers N V	
2HS	Stewart Douglass	90 N. Broadway, Yonkers, N. Y.	
2UZ	Stewart, G. Edwin	45 Hillside Ave., Rockville Center, N. Y	
2AKA	Stewart, Guy A., jr	401 S. 1st Ave., Mt. Vernon, N. Y	
2ADA	Stevens, Fred. Stewart, Douglass. Stewart, G. Edwin. Stewart, Guy A., jr. Stimpson, Warren E. Storrs, William K.	1933 Daly Ave., New York, N. Y	
2AAC	Storrs, William K	513 E. 144th St., New York, N. I	
2AJQ 2AEV	Stratton, L. Brainerd Strauss, Maurice B	568 5th St Rrooklyn N Y	
2HR	Summerville, Christopher	4 Jones Pl., Yonkers, N. Y.	
2AKI	Sypher, Edgar L., jr	138 New York Ave., Jamaica, N. Y	
2KO	Tamburino, Anthony	1632 Parker St., New York, N. Y	
2AEL	Tannenbaum, Samuel	86 Warburton Ave., Yonkers, N. Y	
2GS	Taylor, George W	1/1 Alden St., Orange, N. J	
2AGH 2IS	Taylor, George W Taylor, K. Allan Teets, Albert S Tennon, Evans H Technon, Evans H	Hillside Ave. Peekskill N. Y.	
2AMU	Tennon, Evans H	705 1st Ave., Asbury Park, N. J.	
2ACZ	Terhune, Frank Thornhill, Sewell E	167 High St., Passaic, N. J	
2AHO	Thornhill, Sewell E	Sayville, N. Y	
2APA	Thornton, Joseph	922 Central Ave., Westheld, N. J.	
2EC 2PJ	Thiede, Ferdinand C	176 A Union St. Jarsay City, N. I	
2AIW	Thompson Harold	21 Rose St., Paterson, N. J.	
2A O P	Thomson, John M., ir	22 Bloomfield Ave., Passaic, N. J	
2ASI	Thomas, Alonzo E., Jr. Thompson, Harold Thomson, John M., jr. Tirrell, Walter H. Tong, Myron A.	20 Rutland Rd., Brooklyn, N. Y	
20 R	Tong, Myron A	148 Housman Ave., West Brighton, N. Y	-
2AEP	Touroff, Sigmund	INZU TOPPING AVE., New York, N. Y	
2AOD	Troflet Frederick F	20 Cottage Place Yonkers N V	
2CF 2ALH	Trautwein, Charles F.	853 S. 12th St., Newark, N. J.	
2PT	Traver, William F	67 Mott Ave., Far Rockaway, N. Y.	
2AAJ	Tripp, David R	28 Close St., Schenectady, N. Y.	-
210	Tripp, George B., jr	30 Edgecliff Ter., Yonkers, N. Y	-
2AOT.	Trowbridge, Otis II	1396 Park Lane, Pelham Manor, N. Y	-
2ABN 2AAU	Tong, Myron A Touroff, Sigmund Townley, Harold C Tradet, Frederick E Trautwein, Charles F Traver, William F Tripp, David R Tripp, George B., jr Trowbridge, Otis II Trube, Carl E Trube, Robert L	103 1st Ave., Highland Park, N. J. 501 Argyle Rd., Brooklyn, N. Y. 502 S. 4th St., Lakeview, N. J. 660 W. 180th St., New York, N. Y. 122 Guion Ave., Richmond Hill, N. Y. 122 Guion Ave., Richmond Hill, N. Y. 124 Guion Ave., Richmond Hill, N. Y. 125 Huniversity Ave., New York, N. Y. 126 Huniversity Ave., New York, N. Y. 127 Hampton Court Ter., Jersey City, N. J. 128-2 A Hancock St., Brooklyn, N. Y. 128-2 A Hancock St., Brooklyn, N. Y. 129 Hyatt Ave., Yonkers, N. Y. 124 McDonough St., Brooklyn, N. Y. 125 Wood Pl., Yonkers, N. Y. 126 Wood Pl., Yonkers, N. Y. 127 Hillside Ave., Rockville Center, N. Y. 128 Hillside Ave., Rockville Center, N. Y. 129 A Jaly Ave., New York, N. Y. 131 E. 14th St., New York, N. Y. 131 E. 14th St., New York, N. Y. 138 New York Ave., Jamaica, N. Y. 138 New York Ave., Jamaica, N. Y. 138 New York Ave., Jamaica, N. Y. 139 Malen St., Prooklyn, N. Y. 130 Hillside Ave., Peekskill, N. Y. 130 Hillside Ave., Peekskill, N. Y. 130 Hillside Ave., Asburry Park, N. J. 137 Hillside Ave., Peekskill, N. Y. 138 Central Ave., Westfield, N. J. 139 Hillside Ave., Passaic, N. J. 139 Hillside Ave., Passaic, N. J. 130 Hillside Ave., Passaic, N. J. 130 Hillside Ave., Passaic, N. J. 131 Hose St., Praetrson, N. J. 132 Hoomfield Ave., Westfield, N. J. 134 Housman Ave., Westfield, N. J. 138 Housman Ave., Westfield, N. J. 139 Topping Ave., New York, N. Y. 130 Edgecliff Ter., Yonkers, N. Y. 131 Clottage Place, Yonkers, N. Y. 132 Close St., Schenectady, N. Y. 133 Edgecliff Ter., Yonkers, N. Y. 134 Hastings-on-Hudson, N. Y. 6 Livingston Ave., Yonkers, N. Y. 124 Matings-on-Hudson, N. Y. 6 Livingston Ave., Yonkers, N. Y. 125 Winthrop St., Brooklyn, N. Y.	1
ZAAU	11400, 100001017	kers, N. Y.	
		182 Madison Ave., New York, N. Y	

SECOND DISTRICT—Continued.

Call signal.	Owner of station.	Location of station.	Power.
	11		Kir.
2FG	Tymeson, Sidney	21 Henry St. Schenectady, N. Y.	0
RM	Underhill Chester R	21 Henry St., Schenectady, N. Y	
ZAR	Underhill, Chester R Underhill, George H	47 Church St., Montelair, N. J. 78 St. Hamilton St., Poughkeepsie, N. Y. 259 Mt. Prospect Ave., Newark, N. J. 1189 44th St., Brooklyn, N. Y. 113 Washington St., Westfield, N. J. 326 E. Main St., Patchogue, N. Y. 5 Jerome Pl., Upper Montelair, N. J. 205 Park Pl., Brooklyn, N. Y.	
2RM 2AR 2HD	Underwood kenneth (259 Mt. Prospect Ave., Newark, N. J	
20T	Urbain, Ferdinand A	1189 44th St., Brooklyn, N. Y.	
2A PL	Urban, Charles B	113 Washington St., Westfield, N. J.	
2AMI	Van Cleaf, Howard	328 E. Main St., Patchogue, N. 1	-
2UU 2APW	Vanderbilt, Clinton B	205 Park Pl., Brooklyn, N. Y. 120 Union Ave., Westfield, N. J. 172 Fisk Ave., Westfield, N. J. 246 Morris Ave., Summit, N. J. Athens, N. Y. Hazlet, N. J.	
2ALD	Van Doren Harold I	120 Union Ave. Westfield N. I	1.
2CP	Vanderbilt, Harold W. Van Doren, Harold I. Van Duzer, Charles P. Van Dyke, Theodore F., Jr.	172 Fisk Ave., Westerleich, N. Y.	
2AMB	Van Dyke, Theodore F., ir.	246 Morris Ave., Summit, N. J.	
2ALT	Van Dyke, Theodore F., jr Van Loan, Harold H	Athens, N. Y	
2ABK	Van Meerbeke, C. J., jr	Hazlet, N. J.	
2KV	Varetoni, Wm	115 Randolph Ave., Clifton, N. J.	
2RZ	Victing Work F	ON Albert Ave. Ocean Grove N. J.	
2ACA 2ADX	Vocal Fruin V	81 S. Rivd. Vow Vock N. V.	
2FB	Volke Edgar	8Kt S. 19th St. Newark, N. J.	
2ACR	Varioni, Wm. Veneman, Peter Viering, Harry F Vogel, Erwin W Volke, Edgar Von Thun, Henry B	461 Jefferson Ave., Brooklyn, N. Y.	
2AMT	Voepel, Daniel, jr	1162 Forest Ave., New York, N. Y.	
2AMP	von Ardyn, John	125 Riverside Drive, New York, N. Y.	
2A MQ 2A DO	von Frankendorff, Leander Vrooman, Max M	403 8. 7th St., Newark, N. J.	
2A DO 20Q	Vrooman, Max M	246 Morris Ave., Summit, N. J. Athens, N. Y. Hazlet, N. J. 115 Randolph Ave., Clifton, N. J. 36 Watson St., Paterson, N. J. 98 Albott Ave., Ocean Grove, N. J. 98 Albott Ave., Ocean Grove, N. J. 61 S. Bivd., New York, N. Y. 883 S. 19th St., Newark, N. J. 461 Jefferson Ave., Brooklyn, N. Y. 162 Forest Ave., New York, N. Y. 125 Riverside Drive, New York, N. Y. 125 Riverside Drive, New York, N. Y. 126 St., Schenectady, N. Y. 83 Hamilton Ave., Yonkers, N. Y. 424 Church St., Poughkeepsle, N. Y. 122 Boulevard, Rockaway Beach, N. Y. 82 17th Ave., Newark, N. J. 841 W. 179th St., New York, N. Y. 61 Raymond Ave., Rutherford, N. J. 160 Garfield Pl., Brooklyn, N. Y. Little Falls, N. J. 221 S. Clinton St., East Orange, N. J. 605 Munroe Ave., Ashury Park, N. J.	
20Q	Wade, J. Melmoth	494 Church St. Poughkaanda S V	
2AAF 2AJU	Wagarer Lewis G	122 Roulevard Rockaway Reach N V	:
240	Wak, Henry	82 17th Ave., Newark, N. J.	:
2AQ 2ANR	Walcutt, Frank	841 W. 179th St., New York, N. Y.	
2ABU	Walcutt, Frank	61 Raymond Ave., Rutherford, N. J	:
2QP 2DN	Ward, John R	160 Garfield Pl., Brooklyn, N. Y	:
2DN	Warner, Herbert M	Little Falls, N. J.	
2AKT 2AKW	Warner, Stanley F	221 8. Clinton St., East Orange, N. J.	100
2AKW	Warren, W. Harold	78 Von Nace Ave., ASDRY Park, N. J	1.
2AGW 2AHM	Watters John I	221 S. Clinton St., East Orange, N. J 605 Munroe Ave., Asbury Park, N. J 78 Van Ness Ave., Rutherford, N. J Port Richmond, N. Y	1.
2AMD	Weatherbee, W. T.	Millington, N. J.	1.
2MQ	Warner, Stanley F Warren, W. Harold. Watson, Edmund A. Watters, John J Weatherbee, W. T. Weber, Ernest A.	Millington, N. J. 320 Spruce St., Richmond Hill, N. Y.	
2ABL		320 8pruce 8t., Richmond Hill, N. Y. Hazlet, N. J. 96 Watkins St., Brooklyn, N. Y. 5 Adams 8t., Port Washington, N. Y. 982 Linton Ave., New York, N. Y. 728 W. 181st St., New York, N. Y. 59 6th Ave., Long Branch, N. J. 44 South St., Newark, N. J. 484 Clinton Ave., Brooklyn, N. Y. 1125 Madison Ave., New York, N. Y. Woodstock, N. Y. Palisades Park, N. J. Merrick, N. Y.	
2AJK		96 Watkins St., Brooklyn, N. Y	
2FH	Weiss, Jacob. Weller, William W. Werner, George J. West, Gilmore O. West, Russell H.	5 Adams St., Port Washington, N. Y	1.
211	Weller, William W	1992 Linton Ave., New York, N. Y	
2CA 2FM	West Cilmore O	50 6th Ave. Long Reanch N. I	:
2AHE	West, Russell H.	44 South St., Newark, N. J.	Series.
2AIJ	White, Clinton R	484 Clinton Ave., Brooklyn, N. Y	1.
2TJ	White, Howard E	1125 Madison Ave., New York, N. Y	
2AON	Whitehead, Ralph R., jr	Woodstock, N. Y	
2AMX	Whittleton, Harry M	Palisades Park, N. J.	
2A PS	Wiendieck, Elmer C	Merrick, N. Y.	
2WQ 2AJI	Willer D T	1460 Redford Ave., 1 onkers, N. 1	:
2DR	Williams Arthur I)	73 8. Arlington Ave., East Orange N. J.	i :
2A PI	West, Russell H. White, Clinton R. White, Howard E. White Howard E. Whitelead, Ralph R., jr. Whiteleton, Harry M. Wiendieck, Elmer C. Willetts, Gilson V. Willey, R. T. Williams, Arthur D. Williams, E. Harvey. Williams, E. Malcolm Willmott, George B. Wison, John A., jr. Wimpfheimer, Gustave R. Winn, Arthur H. Woerner, Charles A.	Palisades Park, N. J. Merrick, N. Y. 92 Hamilton Ave., Yonkers, N. Y. 1460 Bedford Ave., Brooklyn, N. Y. 73 S. Arlington Ave., East Orange, N. J. 547 Clitton Ave., Newark, N. J. Troy High School, Troy, N. Y. 1138 E. 37th St., Brooklyn, N. Y.	:
2AGN	Williams, E. Malcolm	Troy High School, Troy, N. Y.	1.
2EH	Wilmott, George B	1138 E. 37th St., Brooklyn, N. Y	
2GN	Wilson, John A., jr	Tenafly, N. J.	1.
2QI	Wimpfheimer, Gustave R	1056 Hoe Ave., New York, N. Y.	
2DA	Winn, Artnur H	247 Union St. Jersey City, N. Y	1.
2FP 2IZ	Woerner, Charles A. Wohl, William M. Wood, Charles.	763 E 152d St. New York N. V	:
2AJA	Wood, Charles	274 W. 135th St., New York, N. Y	:
2APT	Woodman, Malcolm W	New York University, New York, N. Y.	
2LZ	Woodman, Malcolm W Woodrow, William Woodruff, Gordon B	224 W. 140th St., New York, N. Y	1.
2AKF	Woodruff, Gordon B	459 Grove St., Westfield, N. J	
2BV	Woodward, Reginald	84 Amherst St., East Orange, N. J.	
2ABC	Woodward, Reginald Woolcott, James V Woolley, Harrison Worth, John B	Tenafty, N. J. 1056 Hoe Ave., New York, N. Y. 235 Church St., Poughkeepsle, N. Y. 247 Union St., Jersey City, N. J. 763 E. 152d St., New York, N. Y. 224 W. 135th St., New York, N. Y. New York University, New York, N. Y. 459 Grove St., Westfield, N. J. 84 Amherst St., East Orange, N. J. 40 Edgewood Lane, Palisade, N. J. 569 W. 173d St., New York, N. Y. Cresshill, N. J.	1.
2APF- 2IW	Worth John B	Cresshill, N. J.	,.
2AES	Wright, Henry O	115 Mountain Ava Westfield N I	1.
2BE	Verbury George 8 in	21 Irving Place Passaic N I	:
2HZ	Yerbury, George 8., jr Youmans, Chester	5 Old Road, Bayonne, N. J.	:
2AKY	Young Men's Christian Ass'n	Asbury Park, N. J.	1.
2AEG	Ziegler, Edward F	705 Woodbine St., Brooklyn, N. Y	_ ·
2CM	Zimmerman, Herman, jr Zimmerman, William	Cresshill, N. J. 115 Mountain Ave., Westfield, N. J. 21 Irving Place, Passaic, N. J. 5 Old Road, Bayonne, N. J. Asbury Park, N. J. 705 Woodbine St., Brooklyn, N. Y. 2590 3d Ave., New York, N. Y. 765 Hunterdon St., Newark, N. J. 45 Clinton Place, Mt. Vernon, N. Y.	
2AGU	Zimmerman, William	765 Hunterdon St., Newark, N. J.	1.
2DB	Zucker, Richard D	45 Clinton Place, Mt. Vernon, N. Y	

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. Storrs, William. Silleck, William C. Waelde, W. E. Tripp, David R. Cockaday, Lawrence	2AGW	Watson, E. A.	2AKA	Stewart, Guy Ajr. Roberts, Hugh V. Stantley, J. T. Nichols, R. W. Cater, Raymond. Woodruff, G. B. Olson, George J.
2AAC	Storrs, William.	2AGX	Davies, R. J., ir.	2AKA 2AKB	Roberts, Hugh V.
2AAD	Silleck, William C.	2AGX 2AGZ	Watson, E. A. Davies, R. J., jr. King, Frank.	2A KC	Stantley, J. T.
2AAF	Waelde, W. E.	2AH	I ROCHE, Walter J.	2AKD 2AKE 2AKE	Nichols, R. W.
2AAJ	Cooking to Tamonas	2AHA	Benzing, H. A. Amy, E. V.	2AKE	Cater, Raymond.
2AAK	M.	2AHC 2AHD	Klonek J	2AKG	Olson, George I.
2AAM	Tone Procet	2AHE	Klopak, J. West, R. H.	2AKH	Robinson, C. S. Sypher, E. L., jr. Caulfield, J. V. Maurer, Edward. Maran, J. F.
24.40	Maguire, Howard S. Kollock, A. W. Judson, Joseph E. Sterns, Morton W. Brick, Frank K., jr. Trube, Robert L. Pennell, Vere F. Wookett Ingree V.	2AHG	Mersfelder, J. H., 1r.	2AKI	Sypher, E. L., ir.
2AAO 2AAP	Kollock, A. W.	2AHH	Rossner, James E. Comes, William J.	2A KJ	Caulfield, J. V.
2AAQ	Judson, Joseph E.	2AHI		2AKK	Maurer, Edward.
2AB	Bright Front W.	2AHK 2AHL	Bocchio, Raymond.	2AKL 2AKM	Maran, J. F.
2A A B 2A A U	Trube Robert L.	2AHM	May, Anthony.	2AKN	Hanson, Geo. V. Eddy, John L., jr. Burns, Raymond N.
2AAZ	Pennell, Vere F.	2AHN	Watters, J. J. Marshall, Leonard H. Thombili, S. F.	2AKO	Burns, Raymond N.
2ABC	i woolcott, James v.	2AHO	Thomhili, S. E. Noble, J. Kendrick. Reyle, Stanley. Byrne, William.	2AKP	LOCKAPO, J. F.
2ABD		2AHP	Noble, J. Kendrick.	2AKR 2AKT	Leighton, Leo. Warner, Stanley F.
2ABH	Bums, Charles A. Kavanagh, John. Trube, Carl E. Dodd, H. H. Lorini, Osmun. W. Hulse, L. M. Pulstier, Frederic K.,	2AHQ	Reyle, Stanley.	2AKT 2AKU	Warner, Stanley F.
2ABN 2ABO	Dodd H. H.	2AHR 2AH8	Byrne, William.	2AKU 2AKV	
2ABR	Lorini Osmun W.	2AHT	Bergner, James Rupert, Stephen E.	2AKW	Warren W Harold
2ABT	Hulse, L. M.		d.	2AKW 2AKX 2AKY 2AKY 2AKZ	Herbert, Norman. Warren, W. Harold. Schwarz, Sylvan L. Y. M. C. A.
2ABV	Pulsifer, Frederic K.,	2AHU	Littlefield, Charles E.	2AKY	Y. M. C. A.
	jr.	2AHY	Everingham, Charles	2A KZ	Anderson, Lansdell.
2ABW	Olsen, Arthur C.		E.	ZAL	Stanley, W. N.
2AC 2ACJ	de Coloborre A. P.	2AHZ 2AI	Eichfield, Nicholas. Eber, J. G.	2ALA 2ALB	Francis, Sylvian.
2ACL	Olsen, Arthur C. Tripp, George B., jr. de Calahorra, A. S. Pohlman, L. V.	2AIA	Draper George B	2ALC	Anderson, Lansdell. Stanley, W. N. Francis, Sylvian. Gratzner, Raymond. Merrihew, John E., jr.
2ACR	Von Thun, Henry B.	2AIC	Pfaltz, Orlando R.	ZALD	Van Doren, Harold.
2ACS	Maier, John C. Richardson, John R.	2AID	Draper, George B. Pfaltz, Orlando R. Butler, R. M. Scholz, Frank A. Betts, Philander H.	2ALE	Fingerlin, Harold J.
2ACU	Richardson, John R.	2AIE	Scholz, Frank A.	2ALF	Manches. Allevene
2ACV 2ACZ	Dunham, John 8. Terhune, Frank.	2AIF	Betts, Philander H.	0470	W. ,
2ACZ 2AD	Dammers, Albert.	2AIG 2AII	Hevener, Osborn F. Brewster, Carlton. White, Clinton R. Leek, Nathaniel L. Mulcehn, Freek	2ALG 2ALH	Angen, John.
ZADC	Humphrey, F. F.	ŽAIJ	White, Clinton R.	2ALI	Trautwein, Charles F. Dunham, Nelson. Spader, William V.
2A DE	Eckler, H. D.	2AIK	Leek, Nathaniel L.	2ALJ	Spader, William V.
2ADI	Humphrey, F. F. Eckler, H. D. Mitchell, Clifford E.	2AIL	Mulcahy, Frank. Giefer, Frank H. Ostrewich, Thaddeus.	2ALK	Capillon, Edward A. Dinger, William E. Sheldon, Henry B. Mason, Percy H. Huff, Frederick W.
2ADL	Humans, Carrs.	2AIM	Giefer, Frank H.	2ALL 2ALM	Dinger, William E.
2ADN 2ADP	Guttmann, Bernard. Davis, Clarence F.	2AIN 2AIO	Distremen, Thaddeus.	2ALM	Sheldon, Henry B.
2ADU	Davis, Clarence F. Jakobson, I. D. Vogel, E. W. Happe, W. H. Tompkins, G. F. Rappolt, F. A. Abrams, M. F. Ziegler, Edward F. Edwards, J. B. Raynolds, A. S.	2AIP	Pieri, Donald.	2ALN 2ALO	Huff Frederick W
2ADX	Vogel, E. W.	ZATO	Harper, Augustus E. Fink, Gustave.	I 2ALP	Hulse, Tremaine.
2AE	Happe, W. H	2AIQ 2AIR	Estberg, Hugo. Dawson, Fred.	2ALQ 2ALR	Mulvaney, Thomas.
2AEB	Tompkins, G. F.	2AIS	Dawson, Fred.	2ALR	Mulvaney, Thomas. Kells, David G.
2AED	Rappoit, F. A.	2AIT	Gluck, John. Scull, Walter. Miller, George. Thompson, Harold. Ballentine, Harold E.	2AL8	Cetjen, John J.
2AEF 2AEG 2AEH	Ziegler Edward F	2AIU 2AIV	Miller George	2ALT 2ALU	Van Loan, Harold H.
2A EH	Edwards, J. B.	2AIW	Thompson, Harold.	2ALV	Peiler, Harold.
2AEI	Reynolds, A. S. Pettit, M. S. Sorten, H.	2AIX	Ballentine, Harold E.	2ALV 2ALW	Atkinson, Benjamin. Benson, Warren S.
2AEJ	Pettit, M. S.	2AIY	Johnson, John A. Poling, Russell H.	2ALX	Hobson, Christopher
2AEN 2AER	Sorten, H.	2AIZ 2AJ	Poling, Russell H.	04354	E
2AE8	Crinnion, E. T. J. Wright, H. O. Leyn, William.	2AJA	Buttner, Edwin T. Wood, Charles. Knies, Emil U. Carr, John. Rediern, William W. Rowley, Herbert G. Broome Frank H.	2AMA	Ackerman, Rudolph
2AEW	Levn. William.	2AJB	Knies, Emil U.	2AMB	VanDyke, Theodore
2AF	Bryant, M. V. Bodkin, Laurence G.	2AJC	Carr, John.		F.
2AFA	Bodkin, Laurence G.	2AJD	Redfern, William W.	2AMC	Seiler, Frank. Weatherbie, W. T.
2A FE	Dix, Harold 8.	2AJE	Rowley, Herbert G.	2AMD	Weatherbie, W. T.
2AFH 2AFM	Schaefer, Adolph. Holmes, George. Lehman, E. W. G. Goll, Robert E.	2AJF 2AJG	Broome, Frank H. DeVizio, Joseph. Reed, Cecil J.	2AME 2AMF	Frank, Richard. Smith, William W. Jaques, Channing K. Bettels, Edward T. Brush, George. Ruddy George F.
2AFR	Lehman, E. W. G.	2AJH	Reed, Cecil J.	2AMG	Januar Channing V
2 A Trit	Goll, Robert E.	2AJI	Willey, R. T. Weiss, Benjamin.	2AMH	Bettels, Edward T
2AFW 2AFY 2AG	Hornung, J. L. Muller, H. W. Mulford, H. C. Blisky, Walter. Lindgren, Biohard N.	2AJK	Weiss, Benjamin.	2AMI	Brush, George.
2A FY	Muller, H. W.	2AJL	Kalning, W. C. Requa, Reginald C. Stenger, H. C.	2AMJ	Ruddy, George E. Allen, William F. Mueller, Carl F., jr.
2AG	Mulford, H. C.	2AJM	Requa, Reginald C.	2AMK	Allen, William F.
2AGA 2AGC	Lindgren Richard N	2AJN 2AJO	McKenna John K	2AML 2AMM	Mueller, Carl F., jr.
ZAGG	Lindgren, Richard N. Mayer, Warren J. Taylor, Kimber A. Hewitt, John K. Buttner Edwin	I 2AJP	McKenna, John K. Grammet, Melvin L. Stratton, Brainerd. Seckel, William. Reilly, Hugh.	2AMN	Hubbey, Russel 8. Hart, Phillip. Heiss, Walter.
2AGG 2AGH	Taylor, Kimber A.	2AJQ 2AJR	Stratton, Brainerd.	2AMO	Heiss, Walter.
2AGJ	Hewitt, John K.	2AJR	Seckel, William.	2AMP	Ardyn, John V.
2AGM	Buttner, Edwin.	2AJT	Kelly, Hugh.	2AMQ	Frankendorff, Lean-
2A GO	Buttner, Edwin. Norris, Robert P. Rosenberg, Uda B. Schleckser, Raymond	2AJU 2AJV	Wagerer, Lewis G. Cronin, William. Schmeizer, Gerhard.	2AMD	der V.
2AGO 2AGQ 2AGT	Schleckser, Raymond	2AJW	Schmeizer Gerhard	2AMR 2AM8	Avery, John.
	R.	2AJX	Dederick, Harry C.	2AMT	Hunter, John W. Voepel, Daniel, jr.
2AGU	Zimmerman, Wil-	2AJX 2AJY	Goldstein, Jack.	2 A M I I	Tennon, Evans H.
	liam. Sievering, H. W.	2AJZ 2AK	Rice, Robert. Hunkins, C. J.	2AMV 2AMW	Tennon, Evans H. Adolph, Herbert.
2AGV					Coon, George.

SECOND DISTRICT—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
2AMX	Whittleton, Harry M.	2APV 2APW	Hymmen, Robert.	2A ('	Schram, John, jr.
2A M X 2A M Y 2A M Z	Geil, Henry. Roehrich, Henry. Sedlak, C. J.		Vanderbilt, Harold W.	2AV	Dist.
2AN	Sedlak, C. J.	2APX 2APY	Baker, A. L. Charleton, E. E.	2AW 2AZ	Melville, Richard T. Pearl, E. S.
2ANA 2ANB	Lindheimer, Carl M. Leo, Nelson.	2APZ	Freeman, Robert J.		I .
2ANC 2AND 2ANE	Guy, R. F. Klune, Fred C., jr.	2AQ 2AQA	Wak, Henry. Drury, Frank.	2BA 2BB	Ash, Harry M., jr.
2ANE	McLean, True.	2AQB 2AQC	Jacquet, Lloyd. Gardner, Wm. E. Scott, W. F.	2BC	Lounsberry, Isaac. Harrietts, J. B. Banta, T. C.
2ANF 2ANG 2ANH	McLean, True. Fish, Edward H. Kirchhoff, W. J.	2AQC	Scott, W. F.	2BD 2BE	Yerbury, G. 8.
2ANH 2ANI	Raufer, Frank J. Heinsman, Milton.	2AQH	Palmer, Thomas.	2BG 2BI	Yerbury, G. S. Gaede, G. F. Slater, Harry.
2ANJ 2ANK	Hoff, R. S. Seitz, Wesley.	2AQG 2AQH 2AQI 2AQI 2AQI 2AQL 2AQL 2AQL	Palmer, Thomas. Smejkal, Harry. Clarkin, William. Lambert, F. F. Love, J. H.	2BJ	Dahms, Herbert. Mann, Samuel.
2ANL	Seitz, Wesley. Adams. C. B.	2AQK 2AQL	Lambert, F. F. Love, J. H.	2BL 2BM	Heermance, E.
2ANM	Adams, C. B. Foot, N. B. Nelson, Irving J.	2AQM	Divers, I.	2BO 2BQ	McIntire, M. A.
2ANP	Valentine, Russel D.	2AQP	Alexander, B. H. Bargebuhr, H. M.	2BR	Guild, Baldwin. Krech, Karl G. Asche, Charles F.
2ANP 2ANQ 2ANR		2AQQ	Bargebuhr, H. M. Hoffman, Frank. Grover, Paul B.	2B8 2BT	Asche, Charles F.
ZANB	Walcutt, Frank. Koyen, W. R. Brown, Mortimor.	2AQ8	Bohman, Albert. Ferris, C. S.	2BU 2BV	Adams, E. F. Olson, Oscar A.
2ANT 2ANU	Midgley, Herbert. Hirschneld, Edward.	2AQU	рощин, Б. С.	2BW 2BY	Woodward, Reginald. Hymes, E.
2ANV 2ANW	Hirschfield, Edward. Schaeffer, Maximil-	2AQV	Sommer, J. Frankenstein, E. S.	2BY 2BZ	Hymes, E. McHugh, John A. Lyman, C. G.
	lian.	2 \ Q \ P \ P \ P \ P \ P \ P \ P \ P \ P	Bement, F. Showalter, J. W.		
2ANX 2ANY 2ANZ	Shaw, A. E., jr. Felt, G. G.	2AQZ	IHWI, N.C.	2CA 2CB	Werner, G. J. Leeb, Henry L. Robbins, W. E., jr. Pain, John W.
2ANZ 2AO	I Johnson, R. H.	2ARA 2ARA	Underhill, George H.	2CD 2CE	Robbins, W. E., jr.
2A O A 2A O B	Jones, R. O. Mase, F. K.	ZARB	Balison, Howard. Plauth, William.	2CF	Traflet, F. E. Shield, Frederic K.
2AOC	Macsond, M. E. Cherry, G. S. Townley, H. C.	2ARC 2ARD	Ferguson, G. M. Oechler, Alfred C.	2CF 2CG 2CI	
200D 2A0E	Townley, H. C. Larsen, Rudolph.	2ARE 2ARF	Southard, Sealev M.	2CJ 2CK	Bathgate, W. E. O'Brien, T.
2AOF	Adams, J. D.	2ARG	Allen, James J. Bons, Edward.	2ĈL	Brooklyn Telegraph
2A O G 2A O H	Richter, Robert. Kleppe, Arthur.	2ARG 2ARH 2ARI 2ARJ	Randell, Edward J. Pawley, Myron G. Leiter, David.	2CM	School. Zimmerman, Her-
2AOI 2AOJ	Kleppe, Arthur. Mulier, H. G. Leathe, W. W. Class, Charles L.	2ARJ 2ARK	Leiter, David.	2CN	man. Dickey, E. T.
2AOK	Class, Charles L.	2ARL	McCoy, Lester. Perry, J. D. Dimmick, E. R. Bremer, F. V.	200	Beechel, G. H. J.
2AOL 2AON 2AON	Manning, Conant.	2ARM 2ARN	Bromer, F. V.	2CP 2CQ 2CR	Van Duzen, Charles P. Hampe, Bernard A.
2AON 2AOO	Whitehead, R. R., jr. Erven, R. P.	2ARO 2ARP	Rau, James F. Campbell, George C.	2CR 2C8	Hampe, Bernard A. Blauvelt, W. M. Schaefer, C. L. Robbins, Walter G.
2AOP		2ARQ	Miller Raymond	l 2CU	Robbins, Walter G.
2AOQ 2AOR	Shirvell, E. J. A.	2ARR 2AR8	Cohen, Monte. Grece, Joseph F.	2CV 2CW	Ham, Frank M.
2AOT 2AOU	Roquer, L. E. Shirvell, E. J. A. Trowbridge, O. H. Stadler, Reuben L. Davidson, Arthur. Schlitz, Karl W. Renson, Edwin	2ART 2ARU	Hammond, George P. Machlett, Raymond	2CW 2CX 2CY	Davison, W. H., jr. Ferris, Malcom.
2AOY	Davidson, Arthur.	(i) (i)) R.	2CZ	Becker, Frank.
2A OZ 2A P		2ARV 2ARW	Appell, Daniel T. Jockers, Edwin B.	2DA	Winn, A. H.
2APA 2APB 2APC	Thornton, Jas.	2ARX 2ARY	Dickinson, Edwin A.	2DB 2DC	Zucker, R. D.
ZAPC	Stanard, John.	2ARZ	Berger, George P. Erickson, E. T. De Yoe, W. L. Genodette, Honore. Houseworth, Charles	2DD	Hammond, T. M. Ruttmann, F.
2APD 2APE	Stanard, John. Skinner, William. Averill, William H.	2A8 2A8A	Genodette, Honore.	2DE 2DF	Hoyt, William L.
2APF	I Woolley, H.	2A8B	Houseworth, Charles W.	2DG 2DH	Hoyt, William L. Higgs, H. Y. Knapp, Samuel.
2APG 2APH	Hegmegee, J. O. L. Kaibach, C. Williams, E. H.	2A8C	Hauger, Oscar. Gehret, Ernest ().	2DK	Maguire, Nelson. Bangert, Valentine F
2API 2APJ	Lauterborn, G. E.	2A8D 2A8E	Johnson, Axel W.	2DL 2DM	I Bachs, H.
OADE	Scheidler, H. D.	2A8F 2A8G	Johnson, Axel W. Sohnle, Fred. MacBride, William D	2DN 2DO	Warner, Herbert M. Guldi, Walter E.
2APL 2APM 2APN	Urban, C. B. Purvis, H. Hausroth, A. H., jr.	2A8H	Geoghagen, T. V.	2DP	Crocker, Frank H. Porter, Roland.
2A PO	Hausroth, A. H., jr. Tyler, B.	2A8I 2A8J	Geoghagen, T. V. Tirrell, Walter H. Schroeder, Henry.	2DQ 2DR	Williams, A. D.
2APP 2APQ	Prinz, P. J. Knight, H. E. H.	2A8K 2A8L	Schwartz, Adolph.	2D8 2DV	Williams, A. D. Clark, Le Roy. Kissick B. C.
2A PR	Carnenter 8 C	2A8M	Schwartz, Adolph. Thurston, George. Borduin, David. Koegel, Carl J.	2DZ	Kissick, R. G. Tuna, Lawrence.
2AP8 2APT	Wiendieck, E. C. Woodman, M. W. Krantz, H. K.	2A8N 2A8O	Engstrom, Joseph E.	2EA	Doty, W. P.
2A PU	Krantz, H. K.	2A8P	Engstrom, Joseph E. Ruben, Samuel.	2EC	Doty, W. P. Thiede, F. C.

SECOND DISTRICT—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of stations
2ED	Lowe, Graham V.	2ID	Miller, John W., ir.	2LZ	Woodrow, W.
2EG	Arany, Egmont.	2IE	Miller, John W., jr. Lemmon, W. S.	2M A	Hashrouck, Earl
2EI	Araný, Egmont. Quick, H. C.	2I F 2I H	Miller, Eugene B.	2MC	Garity, William E.
2EJ	Bechelofft, C. B. Hoernel, Paul.	2IH	Miller, Eugene B. Hiller, Harry E. Howell, W. J. Weller, W. Jensen, Martin.	2ME	Garity, William E. Booth, Sherman F.
2EK	Hoernel, Paul.	211	Howell, W. J.	2MF	HODDOCK, A. H.
2EN		2IJ_	Weller, W.	2MH	Buchanan, W. F. Morris, E. S.
2EP	Englehart, L. W.	2IK	Jensen, Martin.	2MI	Morris, E. S.
2E8	Englehart, L. W. Englehart, L. W. Campbell, R., jr. England, G. B. Droste, G. T. Hajos, Eugene. Jackson, B. B. McKinney, F. I	2IL 2IM		2ML 2MN	Donovan, E. T. Betts, Philander C.
2ET 2EU	Drosta G T	21N	Spangenberg, L. Scofleld, R. W. Patton, Norman F. Ashmall, W. E., jr. Teets, Albert S. Cowner, Norman	2MQ	Waher E A
2EV	Haine Europa	210	Patton Norman F	2M R	Weber, E. A. Atwater, F. G., jr.
2EX	Jackson, B B	2Î P	Ashmall, W. E., ir.	2M8	HAPPI HAPPATT
2EX 2EY	McKinney, F. J. Donohue, Peter J Pfeifer, C. H. Voeke, Edgar. Derx, Martin, jr.	218	Teets, Albert S.	2MT	Moses, Abram W. Bell, A. E.
2EZ	Donohue, Peter J	2IT	Cowper, Norman. Smith, Nelson M.	2MV	Bell, A. E.
2FA	Pfeifer, C. H.	2IV	Smith, Nelson M.	2MX	Le Gallez, Clayton I Cohen, Edwin K.
2FB	Voeke, Edgar.	2ÎW 2ÎY	Worth, J. B. Dugan, E. W. Wohl, William M.	2MY	Cohen, Edwin K.
2FC 2FF	Derx, Martin, jr.	2IY	Dugan, E. W.	2MZ	Ferguson, James B.,j
2FF	Brower, H. S. Weiss, Jacob.	2IZ	Wohl, William M.	037.4	l
2FH	Weiss, Jacob.	OT A	Comuthons Dould	2NA 2NC 2ND 2NF	Dawley, Earle Reed
2FJ	Helwig, H. F.	2J A 2J B	Caruthers, David.	2NC	Katz, Frederick.
2FK 2FM	West O D	21C	Smith, Clarence B., jr.	2N F	Genweiser, Charles I
2FN	Helwig, H. F. Freure, Richard W. West, G. D. Roth, August F.	ลับ	Connors, James. Boeder, Arthur R.	2NI	Schweiser. Charles I Homan, E. J. Moles, C. E.
2FO	Rianchard Weeley 8	21D 21F	Lockwood Nelson W	2NJ	Kennedy, Harold J.
2FP	Blanchard, Wesley 8. Woerner, C. A. Connor, H. G.	2JH	Lockwood, Nelson W Fricke, William B.	2NK	Palm, J. A.
2FO	Connor, H. G.	2.11	Ruhlman, Ernest R. Atwater, Charles K. Smith, N. V.	2NL	Bucknam, John R.
2FŘ	Ettlinger, Albert. Stanley, H. L. Murray, William E. Brooks, L. V. Foster, D. E. Gldney, Ray V. Harris, C. C.	2JN 2JO	Atwater, Charles K.	2NL 2NN	Nightingale, John.
2F8	Stanley, H. L.	210	Smith, N. V.	2NO	Merritt, Frank.
2FT	Murray, William E.	2JP	Pruden, Harold M.	2NP	
2FU	Brooks, L. V.	2JR	Pruden, Harold M. Bruce, Edmond.	2NQ 2NR	Isaacson, Charles B. Heuer, William H.
2FV	Foster, D. E.	218	Larkin, James 8. Dennis, F. T. Goette, C. J. Reich, Herbert.	2NR	Heuer, William H.
2FX 2FZ	Gidney, Ray V.	2JT	Dennis, F. T.	2N8	Hoffman, Paul J. Hill, William S.
2FZ	Harris, C. C.	2ีบี	Goette, C. J.	2NU 2NV	Hill, William 8.
000		21 V 21 X	Reich, Herbert.	2N V	Meder, George C.
2GB	Bartlett, B. W.	2J X	De Cartin, G. A.	2NW 2NY	Austrian, Ralph B.
2GC 2GF	Bartlett, B. W. Sonn, A. E. Brockman, F. C. Dahlgren, B.	2KA	Coote, C. W.	214 1	N. Y. School of Tele
2GG	Doblgson B	2KB	Schabbehar, Edwin A.	2NZ	raphy. Pfeil, A. L.
20H	Hardy Myles	2KC	Hayes, Frank.	2112	1 lell, A. D.
201	Hardy, Myles. Murphy, Dennis.	2KD	Browne, W. S. Maloney, J. T. Nolan, George T.	20 A	Hammond, Lester.
2GI 2GJ	Cronemeyer, E. C. Pate, W. Schuyler. Ashley, George. Moss, Sidney W. Wilson, John A., jr. Mulligan, Harry G. McClintock Balb.W.	2KD 2KE	Maloney, J. T.	20C	Hammond, Lester. Erasmus Hall Hig
2GK 2GL	Pate, W. Schuyler.	2KF	Nolan, George T.		School.
2GL	Ashley, George.	2KG		20 E	Raynor, Sinclair L. Meier, Robert A.
2G M	Moss, Sidney W.	2KH	Bolberg, W.	20 F 20 J	Meier, Robert A.
2GN	Wilson, John A., jr.	2KI 2KJ	Solberg, W. Uphof, L. S. Cummings, Frank X.	20J	Horning, Robert H. O'Mara, Edward F. Wade, Melmoth.
2GO	Mulligan, Harry G.	2KJ	Cummings, Frank X.	20M	O'Mara, Edward F.
2GP	McClintock, RalphW. Manning, Charles T. Gardell, Emil C. Taylor, George W. New York Catholic	2KK	Day, H. B.	20Q 20R	wade, Melmoth.
2GQ	Condell Fruit C	2KL	Gregory, A. V. Francis, Charles E. Collison, Percy B. Tambupino, Antho-	20 K	Tong, Myron A. Mardon, Frederick I
2GR 2G8	Toylor Goorge W	2KM 2KN	Collison Perest B	20 A	mardon, Frederick
QU	New York Catholia	2KO	Tembuning Anthon	2PC	Barriette Samuel
eu o	Protectory		ny	2PG	Barriette, Samuel Eckstein, William
2GV	Protectory. Sieggmann, Harry E.	2KP 2KQ 2KR 2K8	Smith, Edgar T.	2PH	Pendleton, A. F.
2GV 2GY	Dietz, Walter.	2KQ	Schaefer, R. C.		
		2KŘ	Hallenbeck, Charles.	2PJ	Thomas, Alonzo E.,
2HA	McCoy, Daniel.	2K8	Morton, Edward M.	2PM	Faraon, A. D. Berger, Henry C.
2HD		2KT 2KU 2KV	Robertson, M. E.	2PN	Berger, Henry C.
HE	Rock, Le Roy W. Coate, C. W. Schuck, Charles H. Muller, J. A., jr. Huyler, Rollin M. McKee, Clarence A. Lyons, W. B.	2KU	Oehmen, O. Varetoni, William.	2PQ 2PS	Schwaftz, Max B.
HF	Coate, C. W.	2KV	Varetoni, William.	2P8	Cohen, Samuel. Lally, Joseph.
SH I	Schuck, Charles H.	2KW 2KX	Plummer, J. A. Kilmer, T. W. Goodchild Electrical	2PU 2PW	Lally, Joseph.
5H1	Muller, J. A., Jr.	2KX 2KY	Condebild Floatsical	2PW	Hellman, Abraham
2HL 2HM	Mayor, Rollin M.	2K.1	Goodciaid Electrical	2PX 2PY	Hamilton, A. G. Bogardus, Henry L.
2HO	L.mone W B	2KZ	Co. Spalding, K. W.		Bogardus, Henry L.
2HP	Maybew B A ir	LILL	opaiding, it. w.	20 B	Blackford, H. W.
2HR	Summerville Chris	2LC	Roberts, A. P.	200	King, Wendell W
2H8	Stewart, Douglas.	2LE	Roberts, A. P. Egolf, R. E. Sayres, Ralph A.	2QB 2QD 2QG 2QI 2QJ 2QP	King, Wendell W. Gale, Rowland A. Wimpfheimer, G. I
2HT	Duing, Alan C.	2LH	Sayres, Ralph A.	2QI	Wimpfheimer, G. I
2H U	Hotchkiss, G.	2LI	Meachman, F. C., jr. Hoagland, Raymond.	2QJ	Eckley, H. J. Ward, John R.
2HV	Collignon, Francis A.	2LJ	Hoagland, Raymond.	2QP	Ward, John R.
2HW	Combes, Rae.	2LK	8mith, J. O	2QQ	Green, Irving W.
2HX 2HY	Stewart, Douglas. Duing, Alan C. Hotchkiss, G. Collignon, Francis A. Combes, Rae. Lane, D. M. Muckenhaunt, C. F.	2LL 2LN	Smith, J. O. Benedict, A. R. Morrison, C. P.	2QQ 2QR 2QU	Green, Irving W. Robertson, W. L. Osborne, J. Spencer.
2 <u>H</u> Y		2LN	Morrison, C. P.	2QU	Usborne, J. Spencer.
2HZ	Younmans, Chester.	2LP	Teblopoles William		
2IB	Fooner Walter	2L8 2LW	Green, Ray J. Jablonsky, William. Breen, Thomas J.	2RB 2RF	Reuman, William E Springer, Charles M.
	Feeney, Walter. Faraon, A. J.	2LW 2LY	Hoover, R.	2R F 2R H	Reiss, Lester.

SECOND DISTRICT-Continued.

ALPHABETICALLY BY CALL SIGNALS-Continued.

Call signal.	Owner of station.	Call aignal.	Owner of station.	Call signal.	Owner of station.
2RJ 2RL	Porter, Charles A. Camp, Victor F.	2TP 2TQ	Bohn, William C. Adams, William.	2VM 2VQ	Brown, P. T. Agnoli, Justus.
2RP	Sorgeos, Walter M.	2TV	Glenn, George.	2VQ 2VW	Steinkamp, H.
2RR 2RV	Haighs, Russell P. Johnson, W. E.	2TY 2TZ	Lane, George. Collins, F. J.	2WA	Keers, John K.
2RW	Balley, H. W.	212	Commis, F. J.	2WB	Fogetti, H. J.
2RX	Picken, James C., jr.	2UF	Evens, A. F.	2WC	Pollak, J. M.
		2U G	Bondeaux & Knights.	2WE	Haydon, Albert R.
28B	Sangree, Ernest M.	2UO	Heyer, B. W.	2WF	Nolan, T. J.
28 F	Kollock, A. 8.	2UQ	Hallett, E. D.	2W ()	Lemkie, H. A.
28G	May, Fred.	2UR	Arany, Leo.	2WH	l'earsall, A. R.
28 K	Murray, Charles.	2UV	Oliver, George E.	2W I	Anderson, R. W.
28 M	Hatry, William B.	2UY	Squire, Milford.	2WK	Caggiano, C. J.
28P	Blellevens, Gerhardt.	2UZ	Stewart, G. E.	2WL	Ryan, L. F.
28Q	Kreift, R. A.		1	2W M	Fowler, J. B.
2ST	Emanuel, John H.	2VC	Johnson, T., jr.	2W N	Betler, W. A. G.
		2VE	Robertson, Gus.	2W P	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.
1			Kw.
3PC	Abbott, E. H. B	417 Landis Ave., Vineland, N. J.	
3AMK	Abdill, George 8	125 E. Union St., Burlington, N. J.	
3QK	Adams, Leslie H	828 Landis Ave., Vineland, N. J.	
3CA 3ET	Adelberger, Adrian J	Wayne, Pa. 5018 Irving 8t., Philadelphia, Pa.	1. 1.
3WJ	Alden, John H	124 Bryant St. NW., Washington, D. C.	1.
3BM	Allen, George Y	Bernardsville N J	
3PE	Allen, John P	Bernurdsville, N. J. 2032 N. Capitol St., Washington, D. C.	
3VH	Anconia, Frederick B	1579 Mineral Spring Rd., Reading, Pa	
3QD	Andersen, Frederick J	735 Lincoln St., Reading, Pa	.0
38 R	Anderson, John A	612 Cherry St., Camden, N. J.	
3LJ	Anderson, Joseph L	Texas, Md. 2510 26th St., North Wildwood, N. J	
3KR	Anderson, Richard J	2510 26th St., North Wildwood, N. J	
3TQ	Andrews, Edward C	22d and Morris Sts., Philadelphia, Pa	
3JF	Apfelbaum, Martin	2711 Girard Ave., Philadelphia, Pa	
3VG	Applegate, Franklin and Macpherson.	34 Hillcrest Ave., Trenton, N. J.	
3AX	Arner, Oscar Q	56 V St. NW., Washington, D. C	
3AA	Ashmore, John W	3408 Hamilton St., Philadelphia, Pa	
3CN_	Ashton, Leon W	106 Washington Ave., Collingswood, N. J	
3AIB	Atkinson, T. Howard	423 E. State St., Trenton, N. J.	
3QN	Atlee, Charles B	100 Linden Ave., Riverton, N. J	
3PI 3JC	Ault. Arthur K	1152 Columbia Ave., Baltimore, Md	1
3GC	Bach, Earl C	926 N. 4th St., Allentown, I'a	
3A FI	Backe, Louis M., jr.	17 Maxham St., Sea Isle City, N. J.	
3GZ	Backe, Louis M., r.	1211 Ridge Ave., Philadelphia, Pa	
3MA	Bacon, Harry E	1527 Girard Ave., Philadelphia, Pa	
3CK	Baer, Francis M	1744 Corcoran St. NW., Washington, D. C	
3DD	Baily, William J., jr	5218 Spruce St., Philadelphia, Pa	
3MU	Baily, William J.,]r	5417 Addison St., Philadelphia, Pa	
3C8	Baker, Harold Z	134 N. Church St., Waynesboro, Pa	
3AMN	Bakley, Frank W	300 9th St., Ocean City, N. J.	:
3PL	Ballentine, Charles 8	4810 Germantown Ave., Philadelphia, Pa	
3AKP 3AGF	Bargelt, R. L.	Woodstock, Va	1.
3AUF	Barkley, Joseph A	Bryn Mawr, Pa	
3M8	Barnhart, Lawrence W	1637 N. 6th St., Harrisburg, Pa.	
3KN	Barr, Richard H	602 W. Chestnut St., Lancaster, Pa	1.
3RZ	Barrett, Montague W	222 Dartmouth St., Norfolk, Va	

THIRD DISTRICT-Continued.

Call signal.	Owner of station.	Location of station.	Power
			Kw.
3SY	Barretta, Valroy, S	Vineland, N. J. 608 Park Ave., Pensauken, N. J.	0.
3QX 3OJ	Barrington, Roger W	608 Park Ave., Pensauken, N. J	
BAKG	Barron, John H., jr. Basford, Robert F. Basford, Robert F. Bausman, George H. Baxley, C. Herbert	3022 Abell Ave., Baltimore, Md. 112 W. 17th St., Wildwood, N. J. 5308 Haverford Ave., Philadelphia, Pa. 1246 N. Broadway, Baltimore, Md. 1126 W. North Ave., Baltimore, Md.	:
WY	Basford, Robert F	5308 Haverford Ave., Philadelphia, Pa	
AJ	Bausman, George H	1246 N. Broadway, Baltimore, Md	
ASK	Baxley, C. Herbert	1126 W. North Ave., Baltimore, Md	
QT		Woodbine, N. J	1.
ATI	Bayne, C. Armistend Baynes, Ralph J Beach, Harry L	914 Moran Ave., Norfolk, Va	1.
BL	Baynes, Raiph J	3711 M St. NW. Washington, Del	
ARW	Beaston Frank ir	3732 Locust St., Philadelphia, Pa	
AIR	Beaumont, Robert H	7432 Devon St., Philadelphia, Pa	
WS	Beaumont, Robert H	Atlantic City, N. J	1.
AAV	Bechler, William C., jr	1443 S. 3d St., Philadelphia, Pa	
ARF	Beck, Page M	300 Minor St., Richmond, Va	
AGI WV	Rocker Frenk F	2118 N 5th St Philadelphia, Pa	
JS	Beekley, Francis C.	1126 W. North Ave., Baltimore, Md. Woodbine, N. J. 914 Moran Ave., Norfolk, Va. 812 Vandever Ave., Wilmington, Del. 3711 M St. NW., Washington, D. C. 3732 Locust St., Philadelphia, Pa. 7432 Devon St., Philadelphia, Pa. Atlantic City, N. J. 1413 S. 3d St., Philadelphia, Pa. 300 Minor St., Richmond, Va. 4833 Pulaski Ave., Philadelphia, Pa. 2118 N. 5th St., Philadelphia, Pa.	1.1
AMF	Beach, Harry L. Beaston, Frank, jr. Beaumont, Robert H. Beaumont, Robert H. Bechler, William C., jr. Beck, Page M. Beck, Rodney M. Becker, Frank F. Beekley, Francis C. Beekman, Robert L. Beban Arthur R.	Mt. Washington, Md	1
IM	Behan, Arthur R	2118 N. 5th St., Philadelphia, Pa. Media, Pa. Mt. Washington, Md	
NL	Behm, L. F. F.	1519 Poplar Grove St., Baltimore, Md	
AEF	Beldelman, Harry A	% Cotalpha Ava Hamilton Md	
NI ARL	Behm, L. F. F. Beidelman, Harry A. Bell, Albert A., jr. Belt, William B.	Hvattsvilla Md	1.
VY	Beresford Rees H	4541 Chestnut St., Philadelphia, Pa.	
DC	Beresford, Rees H Bergen, Donald M Bergey, H. Leon Berkeley, Kenneth H Bernhard, William	1541 Chestnut St., Philadelphia, Pa. 920 Riverside Ave., Trenton, N. J.	1.
PY WH	Bergey, H. Leon	Lansdale, Pa	1.0
WH	Berkeley, Kenneth H	Lansdale, Pa. 3422 Center St. NW., Washington, D. C. 2119 Fairmount Ave., Baltimore, Md. 321 Church St., Norfolk, Va. 2112 Columbia Ave., Philadelphia, Pa. 758 High St. Pottergun, Pa.	
KS VL	Bernstein, Abe R	221 Church St. Norfolk Vo.	1.
DN	Rortolet Renjamin ir	2112 Columbia Ave. Philadelphia. Pa.	
MO	Bickel, E. Clifton	758 High St., Pottstown, Pa.	1.0
CC	Bertolet, Benjamin, jr Bickel, E. Clifton Biddle, Howard L., jr Bidwell, George L	319 Hillside Ave., Jenkintown, Pa	
HW	Bidwell, George L	1245 Evarts St. NE., Washington, D. C	
NH	Bierfreund, Max A	2112 Columbia Ave., Philadelphia, Pa. 758 High St., Pottstown, Pa. 319 Hillside Ave., Jenkintown, Pa. 1245 Evarts St. NE., Washington, D. C. Pitman Ave., Pitman, N. J. 45 Washington Ave., Collingswood, N. J. 608 Carpenter St., Philadelphia, Pa. Middletown, Md.	
LQ		608 Corporter St. Philadelphia Pa	
FŤ CY BP	Biser, Mark H	Middletown, Md. 5346 Wayne Ave., Philadelphia, Pa. 2106 N. 5th St., Philadelphia, Pa. 1100 Hanover Ave., Richmond, Va. 2506 Maryland Ave., Baltimore, Md.	1 .:
BP	Blackwood, George C	5346 Wayne Ave., Philadelphia, Pa	1
LSF	Blaess, George	2106 N. 5th St., Philadelphia, Pa	
AAJ	Blair, C. Drewry	1804 Hanover Ave., Richmond, Va	
AAI TV	Blackwood, George C. Blaess, George. Blair, C. Drewry Blake, John M.	2506 Maryland Ave., Baltimore, Md	1 .:
AGP	Blanford Irving I	Portsmouth Va (nortable station)	
ASU	Blum, William	1811 Arctic Ave., Atlantic City, N. J.	
GN	Blanford, Irving Blanford, Irving I. Blum, William Board of Public Education	Portsmouth, Va. (portsmouth, Va. 1811 Arctic Ave., Atlantic City, N. J. Lehigh Ave. and 8th St., Philadelphia, Pa.	
EO FX AEM	Bockins, John M., jr. Bonsall, Thomas F. Booz, Walter M. Bott, James M.	Length Ave. and still St., Filliadelphia, Fa. Abington, Pa. 213 Chester Ave., Glenolden, Pa. 237 W. Pine St., Wildwood, N.J. 1011 W. Cumberland St., Philadelphia, Pa. 901 Central Ave., Ocean City, N.J. 2647 Agate St., Philadelphia, Pa.	
FX	Bonsall, Thomas F	213 Chester Ave., Glenolden, Pa	
AEM	Booz, Walter M	1011 W. Cumberland St. Philadelphia Pa	1 1
ADA	Bourgeois, Edmund R	901 Central Ave., Ocean City, N. J.	1.0
TL	HOWAS JOSADII J	2647 Agate St., Philadelphia, Pa	
AIX	Rowman Christian M.	150 E. Chestnut St., Lancaster, Pa. 202 E. Montgomery St., Baltimore, Md. 315 V St. N E., Washington, D. C. 239 Chestnut St., Haddonfield, N. J.	
RG	Bradley, Horace E	202 E. Montgomery St., Baltimore, Md	
HJ	Bradley, Horace E	315 V St. N.E., Washington, D. C.	1
SO	Bradshaw, R. B. Brady, John B.		
BO UZ		Somerset, Md Anglesea, N. J	1.0
AMS	Brandt, Bruce C	932 Oak Hill Ave., Hagerstown, Md.	.5
NZ	Branin, Manlif L	4516 Pacific Ave., Wildwood, N. J.	.5
EV	Brannan, Julian L	2632 Guilford Ave., Baltimore, Md	1.0
SS	Brandt, Bruce C. Branin, Manlif L. Brannan, Julian L. Brany, Emil B.	241 Goepp St., Betnienem, Fa	L
ARD ATN	Brautigam, Harry G Briscoe, James D Brenner, Samuel M	Anglesea, N. J. Anglesea, N. J. 932 Oak Hill Ave., Hagerstown, Md. 4516 Pacific Ave., Wildwood, N. J. 2632 Guilford Ave., Baltimore, Md. 241 Goepp St., Bethlehem, l'a. 5714 American St., Philadelphia, Pa. Hyattsville, Md. Hyattsville, Md.	5
VE	Brenner, Samuel M	5025 Walnut St., Philadelphia, Pa.	.5
BAGM	Breuil, James F	209 Rutgers St., Swarthmore, Pa	.5
BAMI	Brineshults, Ralph	Cedarville, N. J.	.5 .5 .5 .5
ASM	Rritt Charles	15/14 American St., Philadelphia, Pa. Hyattsville, Md. 15025 Walnut St., Philadelphia, Pa. 209 Rutgers St., Swarthmore, Pa. Cedarville, N. J. Arlington, Pa. 1038 North St., Portsmouth, Va. 2723 Guillord Ave., Baltimore, Md. 3 N. Main St., Nazareth, Pa. 154 Bickley Ave., Glenside, Pa.	.5
TP	Brittingham, Otis B. Broadbelt, J. Edward, jr. Brockman, Francis C.	1035 NOTH St., PORTSMOUTH, Va	.5
BJW	Brockman, Francis C.	3 N. Main St., Nazareth, Pa	1.0
BDF	Brockway, Ladue M.	154 Bickley Ave., Glenside, Pa	. 5
BANM	Bromley, George T., jr	222 N. Fulton St., Allentown, Pa	1.0
BAHS	Brown, Edwin H	125 State St., Harrisburg, Pa	.5
3AMT			

THIRD DISTRICT—Continued.

Call signal.	Owner of atation.	Location of station.	Power
		3013 Fairmount Ave., Atlantic City, N. J. 911 Indiana Ave., Atlantic City, N. J. 200 W. 18th St., Philadelphia, Pa. 2123 W. Pacific St., Philadelphia, Pa. 2123 W. Pacific St., Philadelphia, Pa. 1626 N. 13th St., Philadelphia, Pa. 1626 N. 13th St., Philadelphia, Pa. 1626 N. 13th St., Philadelphia, Pa. 1626 N. 13th St., Philadelphia, Pa. 1626 N. 13th St., Philadelphia, Pa. 1750 W. Mole St., Philadelphia, Pa. 1243 West Ave., Ocean City, N. J. 118 N. 23tl St., Richmond, Va. 1243 West Ave., Ocean City, N. J. 1307 Moran Ave., Norfolk, Va. 1307 Moran Ave., Norfolk, Va. 1307 Moran Ave., Norfolk, Va. 1314 Walnut St., Haddonfield, N. J. 214 Wyncote Rd., Jenkintown, Pa. 1700 S. 60th St., Philadelphia, Pa. 1209 N. 25th St., Philadelphia, Pa. 1015 10th Ave., Moore, Pa. 7417 Sprague St., Philadelphia, Pa. 10can City, N. J. 347 Camel St., Baltimore, Md. 26 S. New Jersey Ave., Atlantic City, N. J. 918 Westminster St. NW., Washington, D. C. 230 S. Connecticut Ave., Atlantic City, N. J. Hershey, Pa.	Ku.
3AST	Brown, William Brubaker, John W Brubaker, John W Brudenell, Norman	3013 Fairmount Ave., Atlantic City, N. J	0.
3ATA 3KE	Brubaker, John W	911 Indiana Ave., Atlantic City, N. J	1.
3KE	Brubaker, John W	200 W. 16th St., Philadelphia, Pa	
3AAF	Brudenell, Norman	2123 W. Pacific St., Philadelphia, Pa	
3AGO	Brunhouse, Jacob 8	1007 C. Culford Ct. White lelible. Do	1.
3OH 3GF	Brunhouse, Jacob 8. Bryan, John D. Bryce, Stanley C. Bryce, Stanley C. Bryce, Stanley C. Bunting, George M., jr. Burke, Thomas J. Burkhardt, Horace C. Bunnett, A. Elmo. Buskey, Harry L. Butt, Harvey R. Call, J. Richard. Campbell, James D. Campbell, James B. Campbell, James 8. Campbell, John W. Carlisle, John F.	1824 N. 12th Ct. Philadelphia, Pa.	
3BK	Reves Stanley C	Socida Park N. I	
3CP	Runting George M is	215 F. Broad St. Chaster Po	
3NW	Burke Thomas I	1750 W Mole St. Philadelphia I'a	
3ANW	Burkhardt, Horace C.	1243 West Ave. Ocean City, N. J.	
3SM	Burnett, A. Elmo	418 N. 23d St., Richmond, Va	
3RX	Buskey, Harry L	425 Westover Ave., Norfolk, Va	
3VB	Butt, Harvey R	1307 Moran Ave., Norfolk, Va	,
3UW	Call, J. Richard	114 Walnut St., Haddonfield, N. J	
JUJ	Campbell, James D	214 Wyncote Rd., Jenkintown, Pa	
3CO	Campbell, James 8	1700 S. 60th St., Philadelphia, Pa	
3BW	Campbell, John W	1209 N. 25th St., Philadelphia, Pa	
3AHA	Carlisle, John F	1015 10th Ave., Moore, I'a	
3BX	Carpenter, C. Ellwood, Jr	Once City N. Philadelphia, Fa	
3UN 3BA	Carlisle, John F	247 Campl St. Baltimore, Md	
		26 S Nam Jareau Ava Atlantic City N. I	
3AAG 3AB	Carroll, Roy C. Casey, Howard Cassady, Park H Chadwich, Herbert E. Chalmers, Edwin L. Chambers, Lynn E.	018 Wastmington St VW Washington D C	
BAND	Casey Howard	230 S. Connecticut Ave. Atlantic City V. I.	
300	Cassady Park H	Hershey Pa	1
3QQ 3AIW 3KO	Chadwich, Herbert E	110 Walnut St., Jenkintown, Pa.	
3KO	Chalmers, Edwin L	125 Burk Ave., Wildwood, N. J	1
BANL	Chambers, Ivan F. Channell, John W. Channell, John W. Chappell, Ralph R. Chaltentern High School		
BASE	Channell, John W	Philadelphia, Pa. (portable station). 5213 Germantown Ave., Philadelphia, Pa. 2112 E. Clay St., Richmond, Va. Elkins Park, Pa.	1
3FM 3ST	Channell, John W	5213 Germantown Ave., Philadelphia, Pa	
3ST	Chappell, Ralph R	2112 E. Clay St., Richmond, Va	
3SD		Elkins Park, Pa	
3AHP	Chesser, Page P. A. Chism, Thomas A.		
3DE	Chism, Thomas A	3617 O St. NW., Washington, D. C.	-
3UT	Cianfrani, Theodore	1217 Morris St., Philadelphia, Pa	
3BG	Chism, Thomas A Clainfrani, Theodore Clark, Edwin T Clark, William R Cloman, William E Coblentz, Philip O Cocklin, Foster W Cohan, William W Cohen, Henry Coleman, Walter V Collier, Wilbur H Cook, Charles F Cook, Howel E Cooms, John S	Elkins Park, Pa. Georgetown, Del. 3617 O St. N.W., Washington, D. C. 1217 Morris St., Philadelphia, Pa. 2419 S. Juniper St., Philadelphia, Pa. 38 N. Paxon St., Philadelphia, Pa. 3725 Kossuth St., Baltimore, Md. Middletown, Md. 1630 N. 5th St., Harrisburg, Pa. 611 Lombard St., Philadelphia, Pa. 200 S. 2d St., Philadelphia, Pa. 2245 N. 15th St., Philadelphia, Pa. 820 W. Fayette St., Baltimore, Md. Yardley, Pa.	
3FQ 3WN	Claman William E	2005 Found St., Philadelphia, Pa	
IOAE	Coblente Philip ()	Middletown Md	
3AIA	Cocklin Foster W	1630 N 5th St. Harrishurg Pa	1
3UR	Cohan, William W	611 Lombard St., Philadelphia, Pa.	
3MP	Cohen, Henry	600 S. 2d St., Philadelphia, Pa.	
3CL	Coleman, Walter V	2245 N. 15th St., Philadelphia, Pa	
3AO	Collier, Wilbur H	820 W. Fayette St., Baltimore, Md	
BAOR	Cook, Charles F	Yardley, Pa	
3CI	Cook, Howell E		
BADO	Coombs, John S Cooper, William F. Cox, T. Newell Craigie, Stuart M.	Yardley, Pa. Seaside House, Atlantic City, N. J. Bethasda, Md. Franklin and Marshall Academy, Lancaster, Pa.	
3LR	Cooper, William F	Franklin and Marshall Academy, Lancaster, Pa	
3WP	Cox, T. Newell	Pikesville, Md. 511 W. Grace St., Richmond, Va.	
BAEA	Craigie, Stuart M	With marked Re	
3PT 3BE	Creager, E. Clark Critchlow, P. Davey. Crowley, Robert H. Cullin, Ernest N	Wynnewood, Pa 2032 N. 17th St., Philadelphia, Pa. 23 N. Dewey St., Philadelphia, Pa. 1762 Willard St. NW., Washington, D. C.	
OI	Crowley Robert H	23 N Dawey St Philadelphia Da	
BARE	Cullin Ernest N	1762 Willard St. N.W. Washington D. C.	1
BANK	Cunningham, G. Blair	1419 Linden St., Allentown, Pa	
INC	Dalling Howard	2942 High St. Camden, N. J.	
BASD	Dalling, Howard	2517 N. 9th St., Philadelphia, Pa.	
RER	Darby, George B., jr	1 Bala Ave., Bala, Pa	
RWI	Darby, George B., jr Darnell, Albert H., jr Davis, Edwin I	1419 Linden St., Allentown, Pa 2942 High St., Camden, N. J. 2517 N. 9th St., Philadelphia, Pa 1 Bala Ave., Bala, Pa 129 8. Pennsylvania Ave., Atlantic City, N. J.	
BAOE	Davis, Edwin L	3812 8th St. NW., Washington, D.C.	
BAOE	I IMVIS LAWIS V	Burlington, N. J.	
3W¶.	Davis, Raymond Dearden, Rowland R.,3d Deavers, Wayne R	1422 Perry Pl. NW., Washington, D. C	
3UG	Dearden, Rowland R., 3d	11th St. and 69th Ave., Philadelphia, Pa	
THAE	Deavers, Wayne R	1815- A. W. Main St., Richmond, Va	
3QU 3FN	Deichmann, George L., jr	Park Heights Ave., Baltimore, Md	
SFN	Deichmiller, Alvin Dempster, Warren J. Densham, Harry W. Densten, E. Craig	3812 8th St. NW., Washington, D. C. Burlington, N. J. 1422 Perry Pl. NW., Washington, D. C. 11th St. and 69th Ave., Philadelphia, Pa. 1815- A W. Main St., Richmond. Va. Park Heights Ave., Baltimore, Md. 1323 S. Carey St., Baltimore, Md. 118 Cleveland Ave., Norwood, Pa. Collingswood, N. J. Penns Grove, N. J. Penns Grove, N. J.	
3FF	Dempster, Warren J	Callinganiand N. J.	
3LP	Denstan E Cools	Panny Grove, N. J.	
3FR 3QB	Deshughten Agran W	47 Claniar St. Germantown Pa	
	Derbyshire, Agnew W Derr, Francis S	26 Familia St. Companilla N. I	
3HY 3FY	Davin John I.	5611 Angora Ava Philudelphia Pa	
3JE	Dickerson E Stuart is	361 Angora Ave., Philadelphia, Pa 121 W. Cedar Ave., Merchantville, N. J. Hagerstown, Md. 2136 N. Orleans St., Philadelphia, Pa.	
3AEW	Dicks Grover C	Hagarstown Md	
		I compared the second contract the second cont	1

THIRD DISTRICT—Continued.

Call signal.	Owner of station.	Location of station.	Powe
			Kw.
3RD	Dimling, Rudolph G. A Dingee, Alex. L. M Dolbow, George W	Bancroft Pk., Baltimore, Md	0.
3IC	Dingee, Alex. L. M	Paoli, Pa	1.
3AKK	Dolbow, George W	215 W. 22d St., Wilmington, Del	
3KH	Don Bosco Institute	307 S. 9th St., Philadelphia, Pa	
3PG 3GJ	Dorsey, Arthur	218 F. Park Ava. Haddonfald N. I	
3MA	Doughty, William R. Downes, Marlboro K. Doyle, John E.	1002 E. Broad St. Richmond Va	1.
3LN	Dovle. John E.	1931 N. Uber St., Philadelphia, Pa	1
BBB	Dralovec, Dalibor	3535 N. Water St., Philadelphia, Pa.	^
BDL	Doyle, John E. Dralovec, Dalibor. Dreis, William J. Drexel Radio Club Dulany, Franklin R. Dunbar, Lewis T. Dunn, John M. Durham, Edmund B. Durham, Wilson N. Duvall, Edward B. Ecton. Albert F.	623 N. Penn St., Allentown, Pa.	
BARH	Drexel Radio Club	Drexel Institute, Philadelphia, Pa	
BMD	Dulany, Franklin R	5 W. Walnut Ave., Merchantville, N. J	
3LT	Dunbar, Lewis T	R. F. D. No. 1, Bristol, Pa	
3AHO	Dunn, John M	30 Union St., Salem, N. J.	
3UM 3VA 3AK	Durham, Edmund B	85 South St., Somerville, N. J	
3VA	Durham, Wilson N	4618 Spruce St., Philadelphia, Pa	
3A K	Duvaii, Edward B	1027 Madison Ave., Baltimore, Md	
3SC 3TJ	Edgen Howard D	1505 N. Crote St. Philadelphia Po	
3FV	Ecton, Albert F. Edson, Howard D. Edwards, Charles. Egan, John E.	3345 Ella St. Philadelphia Pa	
BN	Egan John E	1332 N. Merrine St., Philadelphia Pa	
3VI	Egner, John	3126 N. 7th St., Philadelphia, Pa	1
3IĤ	Egan, John E Egner, John Eisele, Edward, jr Eisenhard, Stanley E Eisenhauer, Harry D Eider, Lucius W Eller, George O Ellis, Edmund K Ellis, J Elton Ellis, J Elton Ellis, Harry S Endress, John N Enslin, Louis R Ensor, John S Eyster, James A	Bancroft Pk., Baltimore, Md Paoli, Pa. 215 W. 22d St., Wilmington, Del. 507 S. 9th St., Philadelphia, Pa. 3601 Greenmount Ave., Baltimore, Md. 218 E. Park Ave., Haddonfield, N. J. 1002 E. Broad St., Richmond, Va. 1931 N. Uber St., Philadelphia, Pa. 3535 N. Water St., Philadelphia, Pa. 623 N. Penn St., Allentown, Pa. Drexel Institute, Philadelphia, Pa. 5 W. Walnut Ave., Merchantville, N. J. R. F. D. No. 1, Bristol, Pa. 30 Union St., Salem, N. J. 4618 Spruce St., Philadelphia, Pa. 1027 Madison Ave., Baltimore, Md. 8224 7th St. SW., Washington, D. C. 1505 N. Gratz St., Philadelphia, Pa. 1332 N. Merrine St., Philadelphia, Pa. 1332 N. Merrine St., Philadelphia, Pa. 1316 Glenwood St., Philadelphia, Pa. 1116 Glenwood St., Philadelphia, Pa. 1116 Glenwood St., Philadelphia, Pa. 117 7th St. St., Washington, D. C. 117 Th St. St., Wayne, Pa. 117 Th St. St., Wayne, Pa. 117 Th St. St., Wayne, Pa. 117 Th St. St., Wayne, Pa. 1192 Goffman St., Philadelphia, Pa. 204 N. 15th St., Philadelphia, Pa.	
SAKI	Eisenhard, Stanley E	1512 Gordon St., Allentown, Pa	1
3AKT	Eisenhauer, Harry D	744 N. 11th St., Reading, Pa	
3KT	Elder, Lucius W	407 Wayne Ave., Wayne, Pa	
3BQ	Eller, George O	717 7th St. SE., Washington, D. C	
3ADL 3LU	Ellis, Edmund K	Bethesda, Md	
3LU	Ellis, J. Elton	1929 Hoffman St., Philadelphia, Pa. 2020 N. 15th St., Philadelphia, Pa. Overlea, Md	1
3CR	Ellis, William G	2204 N. 15th St., Philadelphia, Pa	1
3AW 3ADR	Endress John N	2420 Lofferson Ct. Howishing Do	1
BAKE	Englin Louis P	1731 N 21st St. Philadelphia Pa	,
3AME	Ensor John S	Mt Washington Md	
3DR	Eyster James A	317 Washington Ave., Haddonfield, N. J.	1
3ATR	Eyster, James A	1630 Bolton St., Baltimore, Md.,	
3HT	Falkenberg, August E	512 Franklin Ter., Baltimore, Md	1
3LM	Faries, Walter R	Llankerris Rd., Bala, Pa	1
3AAU	Faulstich, Chester W	1535 Clifton St., Baltimore, Md	
3OT	Faust, Elmer J	728 Hamilton St., Allentown, Pa	
3BI	Feiler, Frederick W	269 W. Thayer St., Philadelphia, Pa	
3TR	Falconer, Norwood B. Falkenberg, August E Faries, Walter R Faulstich, Chester W Faust, Elmer J Feiler, Frederick W Fell, David B Fenimore, Robert S. Fenton, Edward T Ferris, Malcolm. Field, Harry P Finger, Russell W Fink, Louis, 3d. Fisher, John T Fisher, Roy S Fithian, Wm. S., jr. Flather, Bryan S Fliegel, William M Flounders, Newton.	19 Park Ave., Ogontz, Pa	
3JU · 3RC	Fentinore, Robert S	Pork Heights Ave. Baltimore, Md	
3CH	Forris Malcolm	2400 Raping St Philadelphia Pa	
3IX	Field Harry P	219 39th St. Norfolk Va	
3CQ	Finger, Russell W	448 Royden St., Camden, N. J.	
30 P	Fink, Louis, 3d	Laurel Springs, N. J.	
3IW	Fisher, John T	136 York Ave., West Cape May, N. J	
3DZ	Fisher, Roy S	3520 Disston St., Philadelphia, Pa	
3HO	Fithian, Wm. S., jr	313 E. Commerce St., Bridgeton, N. J	
3BH_	Flather, Bryan S	1358 South Carolina Ave. SE., Washington, D. C	
3AFH	Fliegel, William M	4535 N. 17th St., Philadelphia, Pa	
3VX 3ARM	Flounders, Newton	Media, Pa	
3ARM	Flounders, Newton. Flumerfelt, E Clinton. Flynn, Thomas F. Frank H. Stewart Electric	Polkville, N. J.	(
3AMA	Flynn Thomas E	Mineral Vo	
3KC 3QY	Fronk H Stawart Floatrio	Mineral, Va. 37-39 N. 7th St., Philadelphia, Pa.	N.
3Q I	Co.	37-39 N. 7th St., I hhadelphia, I a	
3JN	Frankenfield, Albert L Franklin and Marshall Academy. See Cooper. Wil-	236 N. 53d St., Philadelphia, Pa	
	liam F.		
3VS	French, Edward R., jr	231 9th St. SE., Washington, D. C	
3EL	Fricke, Henry W. L	801 Alsquith St., Baltimore, Md	
3NB	Frye, Marcus, jr	616 Elmer St., Vineland, N. J	
3QP	ruiton, Harold E	1045 I UTHER St., AHERIOWH, Pa	1
3AMG 3JV	Gardner Tomes A	14 let Ave. West Catacanana Da	
3J V 3MT	Gardner William I	1612 N 4th St Harrichurg Pa	1
3NF	Caskill William W	226 E. Washington Ava Marchantvilla N I	
3 A Y	Gaskins Richard W	931 North St. Portsmouth Va	
3AY 3WN	Gaty, John P. and Lawis R	29 Morris Ave., Morristown, N. J.	
3CU	Gause, Harry W	231 9th St. SE., Washington, D. C 801 Aisquith St., Baltimore, Md 616 Elmer St., Vineland, N. J 1643 Turner St., Allentown, Pa 804 W. Saratoga St., Baltimore, Md 14 1st Ave., West Catasauqua, Pa 1612 N. 4th St., Harrisburg, Pa 226 E. Washington Ave., Merchantville, N. J. 931 North St., Portsmouth, Va 29 Morris Ave., Morristown, N. J. 221 5th St. SE., Washington, D. C 2583 W. Fayette St., Baltimore, Md 222 W. Wyoming Ave., Philadelphia, Pa	1
3LX	Geiglein, Henry S	2583 W. Fayette St., Baltimore, Md	
3UI		1 000 THE THE THIRD A SHALL THE THE THE	

THIRD DISTRICT—Continued.

Call signal.	Owner of station.	Location of station.	Power
			Kw.
3ATH	George, John R. Gerns, William H. Gleske, Alfred W., jr. Gilbert, Clifford W. Gilbert, Harry P., jr. Gilos Larkin	5150 Knox St., Philadelphia, Pa. 1663 Wisconsin Ave. NW., Washington, D. C. Catonsville, Md.	0.
3A V 38 X	Gerns, William H.	1663 Wisconsin Ave. NW., Washington, D. C	1.
3AOP	Gilbert Clifford W	1620 N 17th St Philadelphia Pa	1.
3UA	Gilbert, Harry P., ir.	809 Emmet St., Portsmouth, Va.	
3AHI	Giles, Larkin	1307 Clayton St., Wilmington, Del	
3ARI	Gillen, John J	2134 Christian St., Philadelphia, Pa	
3AZ 3AR	Gillingham, Geo. L., Jr	1620 N. 17th St., Philadelphia, Pa. 809 Emmet St., Portsmouth, Va. 1307 Clayton St., Wilmington, Del. 2134 Christian St., Philadelphia, Pa. 4508 Richmond St., Bridesburg, Pa. 2702 N. Calvert St., Baltimore, Md. 134 Folsom Ave., Atlantic City, N. J.	1.
3II	Gleisner, Francis W	134 Folsom Ave. Atlantic City, N. J.	,
011	Glenside Wireless Associa-	Total Colorest Service, Sessional Colorest Color	
	Gillen, John J. Gillen, John J. Gillingham, Geo. L., jr. Gilpin, Levering H. Gleisner, Francis W. Glenside Wireless Associa- tion. See Zabel, Leroy E. Gluck, Earl. Godfrey, Clarence M. Godfrey, Earl		
3AIF 3LO	Gluck, Earl	Berwick Ave., Hamilton, Md. 915 14th St. SE., Washington, D. C. 145 St. Charles Pl., Atlantic City, N. J. 2150 N. Corlies St., Philadelphia, Pa. 5037 Springfield Ave., Philadelphia, Pa. 1601 Columbia Ave., Philadelphia, Pa. 642 N. Clinton Ave., Trenton, N. J. 518 Rhode Island Ave. NF., Washington, D. C. 220 N. Medison St. Allenton, Pa.	
31 F	Godfrey Earl	145 St. Charles Pl. Atlantic City N. J.	
3NK	Godfrey Howard L.	2150 N. Corlies St., Philadelphia, I'a	
3FG	Godfrey, James M	5037 Springfield Ave., Philadelphia, Pa	
3WX 3AKM	Goebel, Eugene 8	1601 Columbia Ave., Philadelphia, Pa	-
3AKM 3KB	Coodell Albert B	642 N. Clinton Ave., Trenton, N. J.	
317	Goodling, David H	330 N. Madison St., Allentown, Pa	
3JZ 3WO	Goebel, Eugene 8. Goldstein, William. Goodall, Albert B. Goodling, David H. Goodwin, Harold F. Gordon, Horace W. Grant, Arthur F. Gravely, Willis T. Gray, Gerald. Gray, Karl F. Green, Anthony J.	330 N. Madison St., Allentown, Pa. 4941 N. 5th St., Philadelphia, Pa. 5115 Spruce St., Philadelphia, Pa.	
3UY	Gordon, Horace W	5115 Spruce St., Philadelphia, l'a	
OL	Grant, Arthur F	2112 Venango St., Philadelphia, Pa	
3RO 3KM	Gravely, Willis T	854 Main St., Danville, Va	1
3 E X	Grav Karl F	113 Northampton St. Faston Pa	
3EX 3KF	Green, Anthony J Green, Daniel J Greenfield, Robert H	1112 S. Lakewood Ave., Baltimore, Md.	
3HC	Green, Daniel J	610 Washington St., Cape May, N. J.	
3AKH	Greenfield, Robert H	1626 W. Ontario St., Philadelphia, Pa	
3AGT	Gresh, Harold. Grier, George M. Grimth, Dorsey J.	Main St. and Franklin Ave., Norristown, 1'a	1
3ANF 3VK	Griffith Dorsey I	3104 R St. NW. Washington, D. C.	
3PZ	Gruntin, rimer ().	1415 Louden St., Philadelphia, Pa.	
3MK	Griscom, Samuel B	32 Walnut St., Salem, N. J	
3AL	Guenzel, Herman A	Sil5 Spruce St., Philadelphia, Pa. 2112 Venango St., Philadelphia, Pa. 854 Main St., Danville, Va. 92 Main St., Newton, N. J. 113 Northampton St., Easton, Pa. 1112 S. Lakewood Ave., Baltimore, Md. 610 Washington St., Cape May, N. J. 1626 W. Ontario St., Philadelphia, Pa. Main St. and Franklin Ave., Norristown, Pa. 114 W. 13th St., Wilmington, Del. 3104 R St. NW., Washington, D. C. 1315 Louden St., Philadelphia, Pa. 32 Walnut St., Salem, N. J. 410 Buttonwood St., Philadelphia, Pa. 32 Walnut St., Salem, N. J. 410 Buttonwood St., Philadelphia, Pa. 3249 Frederick Ave., Baltimore, Md. 2011 Atlantic Ave., Atlantic City, N. J. 118 E. Maple Ave., Merchantville, N. J. 429 Maple Ave., Collingswood, N. J. 233 Lancaster Ave., Wayne, Ja. 86 V St. NW., Washington, D. C. Clarke's Lane, Arlington, Md. 105 E. Crocus Rd., Wildwood Crest, N. J. 640 Lake St., Lancaster, Pa. 1822 Spruce St., Philadelphia, Pa. 1731 Newington Ave., Baltimore, Md. 206 E. Preston St., Baltimore, Md. 206 E. Preston St., Baltimore, Md. 207 St., Philadelphia, Pa. 2413 Judson St., Philadelphia, Pa. 242 and Howard Sts., Chester, Pa. Mt. Ranier, Md. 208 St. Martins Rd., Baltimore, Md. 208 St. Martins Rd., Baltimore, Md. 208 St. Martins Rd., Baltimore, Md. 208 St. Martins Rd., Baltimore, Md. 208 St. Martins Rd., Baltimore, Md. 208 St. Martins Rd., Baltimore, Md. 208 St. Martins Rd., Baltimore, Md. 208 St. Martins Rd., Baltimore, Md. 208 St. Martins Rd., Baltimore, Md. 208 St. Martins Rd., Baltimore, Md. 208 St. Martins Rd., Baltimore, Md. 208 St. Martins Rd., Baltimore, Md. 208 St. Martins Rd., Baltimore, Md. 208 St. Martins Rd., Baltimore, Md. 208 St. Martins Rd., Baltimore, Md. 208 St. Martins Rd., Baltimore, Md. 208 St. Martins Rd., Baltimore, Md. 208 St. Martins Rd., Baltimore, Md.	
3ATG 3HD	Gummere, John F. Haake, William F. Haas, Jerome 8.	20 Tenby Rd., Lianeren, Fa	
2RO	Haas, Jerome S.	2011 Atlantic Ave., Atlantic City, N. J.	
3QF 3NM	Haig, J. Donald Haldeman, George E. Hale, Charles W.	118 E. Maple Ave., Merchantville, N. J.	
3NM	Haldeman, George E	849 Maple Ave., Collingswood, N. J.	
3AIG 3OD	Hale, Charles W	233 Lancaster Ave., Wayne, I'a	
3QV	Hall, Leroy	Clarke's Lane. Arlington Md	
3PR	Hamburg, Russell. Hammel, William C. Hammill, McClintock, jr Hampson, George M.	105 E. Crocus Rd., Wildwood Crest, N. J.	
3ASW	Hammel, William C	640 Lake St., Lancaster, Pa	
3RV	Hammill, McClintock, jr	1822 Sprice St., Philadelphia, Pa	
SJT SJY	Hann, Charles B	206 E. Preston St. Raltimore, Md	
3HR	Harmer, Robert H.	150 S. Willow Grove Pike, Glenside, Pa.	
3ADF	Harmer, Robert H. Harrell, Leonard B.	900 Holladay St., Portsmouth, Va	
3PH	Horris kdwin B	61 N. 61st St., Philadelphia, Pa	
3PJ 3LY	Harris, S. Sylvan. Harris, William J. Harsch, Lawrence P. Hart, Robert M.	3413 Judson St., Philadelphia, Pa	1
3QW	Harsch, Lawrence P	Mt. Ranier Md	
3AMD	Hart, Robert M	208 St. Martins Rd., Baltimore, Md.	
318	Hartley, Milton E	635 E St. SE., Washington, D. C	
3VJ	Hartley, Milton E. Harvey, Edmund H. Harvey, Walter E. Harwood, Theodore O. Hasenfus, Joseph F.	Secane, Pa. 233 N. Broad St., Trenton, N. J. 1326 N. Broadway, Baltimore, Md. 2328 N. Fairhill St., Philadelphia, Pa.	4
3ART 3F8	Harvey, Walter E	1326 N. Broadway Baltimore Md	1
3ID	Hasenfus, Joseph F.	2328 N. Fairhill St., Philadelphia, Pa	
3AED	Hardett, Harold D	1822 N. Croskey St., Philadelphia, Pa	
3ADT	Hastings, Harris	905 B St. NE., Washington, D. C.	
3ASR	Hauf, Joseph C., Jr. Heck, Lewis O. Heintzelman, Walter	1614 Webster St. Beltimore, Md	1
3LI 3NX	Heintzelman, Walter	312 N. 14th St. Allentown, Pa	1
3ATD	Heist, Le Roy E.	2415 N. Capitol St., Washington, D. C.	
3ANO	Henneberger, Hubert	15 Cannon Ave., Hagerstown, Md	
3AGE	Heist, Le Roy E. Henneberger, Hubert. Hemphill, William J., jr. Hernandez, Roger B.	235 W. Wyoming Ave., Philadelphia, Pa	
3LM 3DW	Hermanne A Walter	2228 N. Fairhill St., Philadelphia, Pa 1822 N. Croskey St., Philadelphia, Pa 905 B St. NE., Washington, D. C. 4310 Maine Ave., Baltimore, Md. 1614 Webster St., Baltimore, Md. 312 N. 14th St., Allentown, Pa 2415 N. Capitol St., Washington, D. C. 15 Cannon Ave., Hagerstown, Md. 235 W. Wyoming Ave., Philadelphia, Pa 1326 Chew St., Allentown, Pa Philadelphia, Pa. (portable station). 409 Middle St., Portsmouth, Va.	
35Z	Herndon, Landon C	409 Middle St., Portsmouth Va	
30 P	Hettinger, Alfred C	128 S. Church St., Allentown, Pa.	
3EM 3HM	Heyser, Wilber A	Philadelphia, Pa. (portable station). 409 Middle St., Portsmouth, Va. 128 S. Church St., Allentown, Pa. 337A Marshall St., Norristown, Pa. 1917 Green St., Philadelphia, Pa. 425 Miner St., West Chester, Pa.	

THIRD DISTRICT—Continued.

Call signal.	Owner of station.	Location of station.	Power
		Marietta, Pa. 1615 S. 5th St., Philadelphia, Pa. Haverford, Pa. 405 8th St., Vineland, N. J. 43 Lake St., Bridgeton, N. J. 2648 Maryland Ave., Baltimore, Md. 3408 Duvall Ave., Baltimore, Md. 4909 Knox St., Philadelphia, Pa. 1416 Liberty St., Trenton, N. J. 3d and Cherokee Sts., South Bethlehem, Pa. Mt. Washington, Md. 120 E. Dover St., Easton, Md. 1932 Page St., Philadelphia, Pa. 136 D St. SE., Washington, D. C. 3214 West Ave., Newport News, Va. 734 Market St., Camden, N. J. New Cumberland, Pa.	Kw.
3PV 300	Hiestand, Benjamin	Marietta, Pa	0.
3ND	Hindin, Louis N	Haverford Pa	
3MF	Hitchner, Clyde G. Hoagland, Donald. Hodges, R. E. L. Hodges, Thomas L. Hoff, J. Marshall.	405 8th St., Vineland, N. J.	1
3JX	Hoagland, Donald	43 Lake St., Bridgeton, N. J	
3RI	Hodges, R. E. L	2648 Maryland Ave., Baltimore, Md	
3ATF	Hodges, Thomas L	3408 Duvall Ave., Baltimore, Md	
3RU 3KK		1416 I ibarty St., Philadelphia, Pa	
3AQ	Hogan, Harold Ö. Holloway, J. Q. A. Hollyday, H. Robins. Holstein, Hubert.	3d and Cherokee Sts., South Bethlehem, Pa	
3AMP	Holloway, J. Q. A	Mt. Washington, Md.	
3EZ	Hollyday, H. Robins	120 E. Dover St., Easton, Md	1 10
3AEN	Holstein, Hubert	1932 Page St., Philadelphia, Pa	
3PS	Honking James P	3014 West Ave Newport News Vo	
3AAK 3AET	Horner, George E	734 Market St., Camden, N. J.	
3 A H K	Houck, Harry W	New Cumberland, Pa. 221 Park Ave., Swarthmore, Pa. Clinton, N. J. 2303 N. Broad St., Philadelphia, Pa. 2303 N. Broad St., Philadelphia, Pa. (portable station).	1
3PX	Howard, H. Trumbull	221 Park Ave., Swarthmore, Pa	
3UC 3UF	Howell, S. Van S	Clinton, N. J.	
3UF	Howlett, Joseph T. F	2303 N. Broad St., Philadelphia, Pa.	1
3UP 3UQ	Holstein, Hubert Holt, Clarence J Hopkins, James R Horner, George E Houck, Harry W Howard, H. Trumbull Howell, S. Van S Howlett, Joseph T. F Howlett, Joseph T. F Howlett, Joseph T. F Huddy, James J., jr Hunt, Harry L Hunter, H. Clifford Huyette, Paul B	Mt. Pocono, Pa	1
3AFO	Huddy James I. ir	Mt. Pocono, Pa	
3ARN	Hunt, Harry L	1006 Wilkesbarre St., Easton, Pa	1
3ARP	Hunter, H. Clifford	226 E. Lancaster Ave., Wayne, Pa	
3TE	Hunter, H. Clifford. Huyette, Paul B. Huyler, Rollin M. Iddings, Frederick T. Imfeld, Fred, ir. Jacoby, Arthur C. Jewett, R. W. Dickinson. Jodry, Ray S. Jones, John W. Jones, LaFrantz. Jones, Winters Jordan, Pendleton A., ir.	4601 Wayne Ave., Philadelphia, Pa	
3WF 3LB	Huyler, Rollin M	Mt. Tabor, N. J	
3CJ	Imfeld Fred in	117 N 6th St Philadalphia Pa	-
3A DI	Imfeld, Fred, ir	Bridgeport, N. J.	
3ADI 3OV	Jacoby, Arthur C	517 Linden St., Allentown, Pa	
3AU	Jewett, R. W. Dickinson	1833 Jefferson Pl. NW., Washington, D. C	
3MZ	Jodry, Ray S	Quincy, Pa.	1
30G 3NP	Jones, John W	922 French St. Wilmington Del	
3LC	Jones, Winters	728 N. Monroe St., Baltimore, Md.	
3ASK	Jones, Winters. Jordan, Pendleton A., jr. Judson, Elbert B. Keim, Jonathan D. Keller, John H. Keller, Kenneth W. Keller, Paul A. Kellert, Charles. Keller, Ray F.	339 Main St., Suffolk, Va	
3TB	Judson, Elbert B	111 13th St. SE., Washington, D. C	
3AIE	Keim, Jonathan D	81 Keim St., Pottstown, Pa	
3AHD	Waller Venneth W	150 Harrison Ave. Glenside Pa	
3WZ 2WW	Keller, Paul A	13th St. and Lehigh Ave., Phila., Pa.	
3TZ	Kellert, Charles	1208 St. Matthew St., Baltimore, Md	
3ARG	Kelley, Ray F	1042 S. Paxon St., Philadelphia, Pa	
80 B	Kennedy, Ignatius L	28 S. Market St., Frederick, Md	
3EP	Kennedy, Joseph H	Philadelphia Pa (nortable station)	1
3AOK 3SH	Kenyon Walter R	1838 Columbia A va Philadelphia. Pa.	
3AOL	Kienast, Joseph	Columbus Rd., Burlington, N. J.	
3AOL 3TT 3MM	Kindt, Charles F., jr	301 Washington Lane, Jenkintown, Pa	
3 MM	King, Albert	209 St. Mary St., Burlington, N. J.	
3SV	King, Charles E	Calvert Court Apts., Baltimore, Md	
3RP 3RH	Kirby, Eliller S	17 F 19th St Ocean City N I	
3AAO	Klock, Victor J.	707 N. Seventh St., Camden, N. J.	1
3AAO 3KX	Knight, G. Webber, jr	1545 Walnut St., Harrisburg, Pa	1
3IQ 3AEH	Knoll, Lloyd M	3260 Chestnut St., Philadelphia, Pa	
3AEH	Knoll, Lloyd M	240 Greenwich St., Reading, Pa	
3SL	Knoppel, Herman L	1100 W State St Trenton N I	1
3FJ 3TY	Krone Julian E	2908 West Ave., Newport News, Va	
3EI	Kumler, Kelvin C	Kensington, Md	
3SQ	Kupp, Clarence L	451 Lincoln Ave., Pottstown, Pa	
3CF	Laager, Creston F	1029 Belmont Ave., West Philadelphia, Pa	
3GV	Laber, Joseph M	2422 N. Gratz St., Philadelphia, Pa	1
30S	Lamb Franklin	623 Elmer St., Vineland, N. I.	
3VD 3UB	Lamb, Roland H	1131 Gorsuch Ave., Baltimore, Md.	
3ME	Lamdin, Charles R	4016 Edmonson Ave., Baltimore, Md	
3TC	Landis, Harry	2461 N. 28th St., Philadelphia, Pa	
3QG 3CW_	Landis, Harold O	341 N. Front St., Reading, Pa	1
3CW	Lange, J. Robert	1938 Lemmon St., Baltimore, Md	
3AAB 3EB	Keller, Paul A. Kellert, Charles. Kelley, Ray F. Kennedy, Ignatius L. Kennedy, Joseph H. Kenyon, Walter R. Kenyon, Walter R. Kenyon, Walter R. Kensedy, Joseph H. Kings, Albert. King, Charles F., Jr. King, Albert. King, Charles E. Kirby, Elmer S. Kline, H. N. Gay Klock, Victor J. Knight, G. Webber, Jr. Knoll, Lloyd M. Knoll, Lloyd M. Knoppel, Herman L. Knowles, Edward P. Krone, Julian E. Kumler, Kelvin C. Kupp, Clarence L. Laager, Creston F. Laber, Joseph M. Lafferty, Francis A. Lamb, Franklin. Lamb, Roland H. Lamdin, Charles R. Landis, Harry.	2303 N. Broad St., Philadelphia, Pa. (portable station) Mt. Pocono, Pa. 1906 Wolf St., Philadelphia, Pa. 1006 Wilkesbarre St., Easton, Pa. 226 E. Lancaster Ave., Wayne, Pa. 4601 Wayne Ave., Philadelphia, Pa. 108 Linden Ave., Baltimore, Md. 117 N. 6th St., Philadelphia, Pa. 183 Jefferson Pl. NW., Washington, D. C. 181 Quincy, Pa. 228 Cooper St., Camden, N. J. 229 Rench St., Wilmington, Del. 228 N. Monroe St., Baltimore, Md. 339 Main St., Suffolk, Va. 111 13th St. SE., Washington, D. C. 81 Keim St., Pottstown, Pa. 128 N. Monroe St., Baltimore, Md. 139 Main St., Suffolk, Va. 111 13th St. SE., Washington, D. C. 81 Keim St., Pottstown, Pa. 126 N. Harrisburg, Pa. 135 Harrison Ave., Glenside, Pa. 136 N. Harrisburg, Pa. 136 Harrison Ave., Philadelphia, Pa. 28 S. Market St., Frederick, Md. 2052 E. Fletcher St., Philadelphia, Pa. 28 S. Market St., Frederick, Md. 2052 E. Fletcher St., Philadelphia, Pa. 28 S. Market St., Frederick, Md. 2052 E. Fletcher St., Philadelphia, Pa. 209 St. Mary St., Burlington, N. J. 209 St. Mary St., Burlington, N. J. 209 St. Mary St., Burlington, N. J. 209 St. Mary St., Burlington, N. J. 209 St. Mary St., Burlington, N. J. 217 Calvert Court Apts., Baltimore, Md. 300 Glenmore Ave., Philadelphia, Pa. 210 Calvert St., Philadelphia, Pa. 210 Calvert Court Apts., Baltimore, Md. 330 Greenwich St., Reading, Pa. 3260 Chestnut St., Philadelphia, Pa. 3260 Chestnut St., Philadelphia, Pa. 3260 Greenwich St., Reading, Pa. 3260 Chestnut St., Philadelphia, Pa. 3260 Chestnut St., Philadelphia, Pa. 3260 Chestnut St., Philadelphia, Pa. 3260 Chestnut St., Philadelphia, Pa. 3260 Chestnut St., Philadelphia, Pa. 3260 Chestnut St., Philadelphia, Pa. 3260 Chestnut St., Philadelphia, Pa. 3260 Chestnut St., Philadelphia, Pa. 3260 Chestnut St., Philadelphia, Pa. 3260 Chestnut St., Philadelphia, Pa. 3260 Chestnut St., Philadelphia, Pa. 3260 Chestonut St., Philadelphia, Pa. 3260 Chestonut St., Philadelphia, Pa. 3271 Ingersoll St., Philadelphia, Pa. 3281 Limon Ave., Pottstown, Pa. 3282 Lemmon St., Wilmington, D. C. 3240 N. B	
3ADE	Layton, Howard H	805 Washington St., Wilmington, Del	
	Lazarus, Sanford S. Legg, Albert A. Lehmberg, Henry.	576 Madison Ave., York, Pa	1
3AHE			

THIRD DISTRICT—Continued. ALPHABETICALLY BY OWNERS OF STATIONS—Continued:

Call signal.	Owner of station.	Location of station.	Power
			Kw.
3AHW	Leigh, Walter 8	Clinton, N. J. 1s Fairview St., West Catasauqua, Pa. 2110 N. 4th St., Philadelphia, Pa. 2200 Snyder Ave., Philadelphia, Pa. 749 Asbury Ave., Ocean City, N. J. Abington, Pa. 44 S. Bond St., Baltimore, Md. 243 E. Pearl St., Burlington, N. J. 658 Linden Ave., York, Pa. 5108 Whitney Ave., Philadelphia, Pa. 4014 Pennurst Ave., Baltimore, Md.	0.
3OA 3ADI	Lentz, Arthur F	18 Fairview St., West Catasauqua, Pa	:
3ADI	Lentz, Arthur F Leopold, William Lesky, William Leslie, Malcolm C	2110 N. 4th St., Philadelphia, Pa	
3AAE 3TW	Lesky, William	2800 Snyder Ave., Philadelphia, Pa	
BQC	Lever, Haseltine 8	Abington Pa	
LA	Lavin. Davis	44 8. Bond St., Baltimore, Md.	
ЮН	Levin, Davis Levy, Lewis	243 E. Pearl St., Burlington, N. J	1.
3RB	Lewis, Ellis Lewis, John B	658 Linden Ave., York, Pa	1.
3AAL	Lewis, John B	5108 Whitney Ave., Philadelphia, Pa	
3A8P	Lewis, John C., jr Lewis, Joseph A Lewis, Max J Lewis, Samuel W	101 Massachusetts Ave. Atlantic City, N. I.	
3ASV 3AKN	Lewis, Joseph A	222 lackson St. Trenton N I	
BAEK	Lewis, Samuel W	121-B North Mass, Ave., Atlantic City, N. J.	
3AIN	Liddell, Harry M	224 W. Poplar Ave., Wildwood, N. J	
3UE	Liddell, Harry M. Lindauer, Herman E.	5108 Whitney Ave., Philadelphia, Pa 4014 Pennurst Ave., Baltimore, Md 201 Massachusetts Ave., Atlantic City, N. J 222 Jackson St., Trenton, N. J 224 W. Poplar Ave., Wildwood, N. J 3409 Piedmont Ave., Baltimore, Md 2013 Benning Rd., N.E., Washington, D. C 1712 Spruce St., Philadelphia, Pa 102 Overbrook Ave., Trenton, N. J 2122 Flagler Pl., N.W., Washington, D. C 133 Runnymede Ave., Wayne, Pa 216 Zeruldo St., Philadelphia, Pa 216 Zeruldo St., Philadelphia, Pa 216 Zeruldo St., Philadelphia, Pa 216 Zeruldo St., W., Washington, D. C 218 Junnymede Ave., Wayne, Pa 219 Junnymede Ave., Wayne, Pa 210 Zeruldo St., Philadelphia, Pa 210 Junnymede Ave., Wayne, Pa 211 Junnymede Ave., Wayne, Pa 212 Junnymede Ave., Wayne, Pa 213 Runnymede Ave., Wayne, Pa	
3AMO	Linthicum, Robert F	2013 Benning Rd., NE., Washington, D. C	
3AFN 3AOS	Lippincott, Bertram	102 Overbrook Ave. Trenton N. I.	
3AFK	Lohe Allen W	2122 Flagler Pl. N.W., Washington, D. C.	
30E	Long, Perry II	133 Runnymede Ave., Wavne, Pa	1
3QE 3RE	Longaker, Abram	216 Zeruldo St., Philadelphia, Pa	
3AAD	Lister, Robert W. Lohr, Allen W. Long, Perry H. Longaker, Abram Longsellow, Charles F., Jr.	3038 R St., NW., Washington, D. C	
3DU	Loughlin, John K	Jenkintown, Pa.	
3UX	Loughim, John K	Jenkintown, Pa. 2215 Hunting Park Ave., Philadelphia, Pa. 2338 27th St., NW., Washington, D. C.	
3DI 3WQ	Lowell, Percival D Lower Marion High School	Ardmore Pa	
8AAR	Lum, Robert B	64 Greene Ave., Madison, N. J.	
3PM	Lum, Robert BLusse, Richard N	2855 N. 8th St., Philadelphia, Pa	
3NY	Lutz, John M Lynn, Thomas H Lyon, Harry H	119 E. Wildwood Ave., Wildwood, N. J	
3DY	Lynn, Thomas H	Hyattsville, Md	
3LG 3UL	Lyon, Raymond 8	Mystisville, Md	
30 H	MacDonlad Stuget	200 N -53rd St. Philadelphia. Pa	
3EQ	MacKendrick, Robert G	307 Amos Land Rd., Holmes, Pa.	
3IA	MacKendrick, Robert G. Mahlmeister, Eugene, jr. Majer, Carl T. Mandelkern, Maurice H.	283 27th St., NW., Washington, D. C. Ardmore, Pa. 44 Greene Ave., Madison, N. J 2855 N. 8th St., Philadelphia, Pa. 119 E. Wildwood Ave., Wildwood, N. J Hyattsville, Md. Hyattsville, Md. 527 William St., Boonton, N. J. 209 N. 53rd St., Philadelphia, Pa. 307 Amos Land Rd., Holmes, Pa. 1801 N. 13th St., Philadelphia, Pa. Philadelphia, Pa. (portable station).	1
3AM	Majer, Carl T	Philadelphia, Pa. (portable station)	
3MR	Mandelkern, Maurice H	2349 N. 15th St., Philadelphia, Pa	
3T8	Mandeville, Francis T. Markham, Lester M. Martin, E. Linton. Martin, Justus L.	5109 Reltimore Ave. Philadelphia Pa	
3MH 3E8	Martin E. Linton	315 Radcliffe St., Bristol, Pa	
3AHF	Martin, Justus L	721 W. Fayette St., Baltimore, Md	
3ASI	Marts, Harvey Maryland School of Telegra-	836 Central Ave., Ocean City, N. J.	
3ER	Maryland School of Telegra-	1801 N. 13th St., Philadelphia, Pa. Philadelphia, Pa. (portable station). 2349 N. 15th St., Philadelphia, Pa. 116 Church St., Boonion, N. J 5108 Baltimore Ave., Philadelphia, Pa. 315 Radeliffe St., Bristol, Pa 721 W. Fayette St., Baltimore, Md. 836 Central Ave., Ocean City, N. J. Baltimore, Md.	1
3AIV	phy. Mastin, Marion G	1438 Meridian Pl. NW., Washington, D. C	
3NR	Maul, Gilbert E	Chatham, N. J.	
3DO	Margan Danold I	Kensington, Md. 807 Asbury Ave., Ocean City, Md. 1801 Lincoln Ave., Moore, Pa. 4718 N. Camac St., Philiadelphia, Pa.	
3ADS	McAllister, Louis E. McAnally, Charles G. McCarter, William F. McCaskey, Edward R. McClanen, Wilson T. McClaskey, I. Longard	807 Asbury Ave., Ocean City, Md	1
3TU	McAnally, Charles G	1601 Lincoln Ave., Moore, Pa	
3DJ	McCarter, William F	1000 Main St. Dorby, Pa	1
3JL 3AIS	McClanen Wilson T	1029 Main Dt., Datuy, I a	
300	McCloskey, J. Loonard	1029 Main St., Darby, Pa. 3326 Van Kirk St., Wissinoming, Pa. 112 Broad St., Palmyra, N. J 125 N. Gross St., Philadelphia, Pa.	
3QO 3LZ 3KV	McCullough, Earl N	125 N. Gross St., Philadelphia, Pa	
3KV	McDowell, Albert P., jr	41 Carpenter Lane, Philadelphia, Pa	-
3PK	McGear, Herbert K	3014 W. York St., Philadelphia, Pa	-
38J	McIntosh, Howard F	4218 Thompson St., Philadelphia, Pa	
3EY	McIntyre, wm	ONE Lane, Fa	
3AOD 3KP	McKinley Richard 8 in	218 Langlowne St., Wayne, Pa.	
3ASG	McKnett, Robert R.	3147 W. Gordon St., Philadelphia, Pa	
3ARS	McNair, William D	1933 Biltmore St. NW., Washington, D. C	
3VR 3ANT	McVickar, W. Patton	112 Chester Pike, Norwood, Pa	. 1
3ANT	McClanen, Wilson T. McCloskey, J. Leonard. McCullough, Earl N. McDowell, Albert P., Jr. McGear, Herbert K. McIntosh, Howard F. McIntyre, Wm. McIver, Renwick S. McKinley, Richard S., Jr. McKnett, Robert R. McNatr, William D. McVickar, W. Patton. Martin, George C. Mecasiln, Harry B.	125 N. Gross & I., Philadelphia, Pa. 41 Carpenter Lane, Philadelphia, Pa. 3014 W. York St., Philadelphia, Pa. 4218 Thompson St., Philadelphia, Pa. 4218 Thompson St., Philadelphia, Pa. 2036 O. St., NW., Washington, D. C. 218 Lansdowne St., Wayne, Pa	
3RK	Mach Michael	1550 N. Allicon St. Dhiladelphia Pa	1
3GL 3MJ	Meck, Michael	4511 N. 18th St., Philadelphia, Pa	
3KW	Megowen, Horace L. Mehring, Charles J. Melton, J. Carroll. Mervine, Watson M.	414 Reily St., Harrisburg, Pa.	
3KW 3NT	Melton, J. Carroll.	414 Reily St., Harrisburg, Pa. 422 Cambridge Crescent, Larchmont, Va.	4
3MG	Mervine, Watson M	509 Laconey Ave., Palmyra, N. J.	-
3RA	Messinger, Miles B	309 N. Linden St., Bethlehem, Pa	
3PD	Meyer, Emil J	509 Laconey Ave., Palmyra, N. J. 309 N. Linden 8t., Bethlehem, Pa. 1919 Green 8t., Philadelphia, Pa. 550 Camp 8t., Harrisburg, Pa. Harrisburg, Pa. Roanoke, Va.	
3ATL 3AG8	Michael Albert	Horrichurg Pa	1
	I MICHAEL, AIDELL	ABOUT ASSESSED BURNINGS CONTRACTOR CONTRACTO	

THIRD DISTRICT-Continued.

Call signal.	Owner of station.	Location of station.	Power
			Kw.
3AC	Miller, Alfred II	6358 McCallum St., Philadelphia, Pa	0.
3TD	Millor Horry C	1526 2d Ave., York, Pa	1.
3GQ 3ANA	Miller, Kelly, jr	1526 2d Ave., York, Pa. 430 College St., N.W., Washington, D. C. 801 Oak Hill Ave., Hagerstown, Md.	
	Miller, Martin V	801 Oak Hill Ave., Hagerstown, Md	
3AGN 3ASA	Milner Robert D	3335 Tennyson St. NW. Washington D. C.	
3ASN	Minnick, Otis	42 Fairview Ave. Cumberland, Md.	1.
3AI	Mohr, Paul D	801 Oak Hill Ave., Hagerstown, Md. 38 S. 5th St., Easton, Pa. 3835 Tennyson St., NW., Washington, D. C. 42 Fairview Ave., Cumberland, Md. 537 Chestnut St., Emaus, Pa. 5113 Viola St., Philadelphia, Pa. 113 Viola St., Philadelphia, Pa. 2903 Girard Ave., Philadelphia, Pa. 6119 Ridge Ave., Philadelphia, Pa. 2308 N. Charles St., Baltimore, Md. 546 Stanbridge St., Norristown, Pa. 123 S. Massachusetts Ave., Atlantic City, N. J. 408 Tioga St., Johnstown, Pa. 314 W. Seymour St., Germantown, Pa. 314 W. Seymour St., Germantown, Pa. 3151 Hazzard Street, Philadelphia, Pa. 326 S. 58th St., Philadelphia, Pa. 327 Prospect St., Trenton, N. J. 328 Broad St., Emaus, Pa.	1.
3ANI	Montrose, Jack	5113 Viola St., Philadelphia, Pa	
30E	Mooney, John, jr	Philadelphia, Pa. (portable station)	
30 M 3G G	Moor Porcy W	6110 Ridge Ave., Philadelphia, Pa	
3EK	Moore, Daniel D	2308 N. Charles St., Baltimore, Md	1.
3CB	Moore, Earl T	546 Stanbridge St., Norristown, Pa	
3AKA	Moore, Earl T Moore, James P	123 S. Massachusetts Ave., Atlantic City, N. J	
3ATM	Morgan, Joseph, jr	408 Tioga St., Johnstown, Pa	1.
310	Morgan, Joseph, jr. Morley, Augustin H Morris, George M. Morris, Maynard C. Morris, William J., jr.	314 W. Seymour St., Germantown, Pa	-
3NQ 3GS	Morris Goorge M	1008 McKean St., Philadelphia, Pa	
3ML	Morris Maynard (026 S 58th St Philadelphia Pa	
3AHM	Morris, William J., ir	134 Prospect St., Trenton, N. J.	
3MY	Moyer, Edgar F	561 Broad St., Emaus, Pa.	
3WD	Moyer, Luke I	2021 N. Lambert St., Philadelphia, Pa	
30Y	Muller, Ralph H	2665 Douglass St., Philadelphia, Pa	
3TG	Murphy, Clement H Murray, Eugene M	134 Prospect St., Trenton, N. J. 561 Broad St., Emaus, Pa. 2021 N. Lambert St., Philadelphia, Pa. 2065 Douglass St., Philadelphia, Pa. 1838 N. Hope St., Baltimore, Md. Grays Lane, Haverford, Pa. 118 S. Darlington St., West Chester, Pa. 203 N. 4th St., Allentown, Pa. 3615 N. 19th St., Philadelphia, Pa. 1510 N. 18th St., Philadelphia, Pa. 512 Linden St., Bethlehem, Pa. 218 Crawford St., Portsmouth, Va. Ambler, Pa.	
3HS 3AGR	Musante, Augustine F. S	118 S Darlington St West Chester Pa	1.
3GE	Nadig, Stanton E	203 N. 4th St., Allentown, Pa	
3MI	Nasa, Chillord S	3615 N. 19th St., Philadelphia, Pa.	
3CT	Maccous Inmac A	1510 N. 18th St., Philadelphia, Pa	
3AAN	Nicholls, Verne	512 Linden St., Bethlehem, Pa	
3TI	Nichols, Verne Nichols, Crawford V	218 Crawford St., Portsmouth, Va	
3AGK 3HL		Ambler, Pa.	
3EE	Nikirk Thomas E	Washington D C (nortable station)	
3VU	Nielsen, Harold, jr. Nikirk, Thomas E. Nikirk, Thomas E. Noble, Christopher. Noel, James F.	Washington, D. C. (portable station) 411 12th St., SE., Washington, D. C.	
3AFP	Noble, Christopher	303 E. Graves Lane, Philadelphia, Pa	1.
3KD	Noel, James F	218 2d St. NE., Washington, D. C.	
3GO	Norcross, Earl I. O'Brien, Francis J. Onens, Clarence E.	216 Roberts Ave., Glenside, Pa	1
3AOM 3ATP	Onane Clarence E	Paulsboro N I	1 - 1
3RJ	Oppormann Richard	Paulsboro, N. J. 3746 N. 17th St., Philadelphia, Pa. 1948 S. 11th St., Philadelphia, Pa. 1212 Delaware Ava., Wilmington, Del. 562 Stanbridge St., Norristown, Pa.	
3VZ	Orlando, FrankOrt, Otto VOwen, A. Thomas	1948 S. 11th St., Philadelphia, Pa	
3WC	Ort, Otto V	1212 Delaware Ave., Wilmington, Del	1
3EG	Owen, A. Thomas	562 Stanbridge St., Norristown, Pa. Friendship Heights, Md. 525 South St., Portsmouth, Va. 2332 William St., Trenton, N. J. 808 3d St., Philadelphia, Pa. 532 S. 15th St., Philadelphia, Pa. 618 Park Ave., Pensauken, N. J. 2335 N. Bailev St., Philadelphia, Pa. 204 N. New St., Nazareth, Pa. 336 W. Logan St., Philadelphia, Pa. Frankford, N. J.	
3DM	Page, John C Paine, James P	Friendship Heights, Md	
3OK 3CX	Parichy Emery	2232 William St. Tranton N I	
3NS	Parichy, Emery Parker, Joseph P. Patchel, Robert E. Patterson, Lohar	808 3d St., Philadelphia, Pa.	
30W	Patchel, Robert E	532 S. 15th St., Philadelphia. Pa	
3BY	Patterson, Edward B	618 Park Ave., Pensauken, N. J	
3KG		2835 N. Bailey St., Philadelphia, Pa	
3CG	Pauly, Robert	204 N. New St., Nazareth, Pa	
3IL 3FL	Pagrson Roland D	Frankford N I	
3GI		603 Howard Pl. NW., Wasnington, D. C.	
3PN	Pemberton, Henry R	West School Lane, Philadelphia, Pa	
3TO	Pent, Robert E	305 Wyncote Rd., Jenkintown, Pa	
3DB	Perry, Willard P., jr	129 E. State St., Trenton, N. J.	1
3SF 3DA	Peter, Armistead, 3d	Tildor Pl. and 31st St. N.W., Washington, D. C	1
3JB	Peterson, Raymond E Petit, Ernest L	2314 McClallan St. Philadelphia Pa	
3UK	Peyser, Philip S	3208 West Ave., Newport News, Va	
3BT	Philadelphia School of Wire-	336 W. Logan St., Philadelphia, Pa. Frankford, N. J. 603 Howard Pl. NW., Wasnington, D. C. West School Lane, Philadelphia, Pa. 305 Wyncote Rd., Jenkintown, Pa. 129 F. State St., Trenton, N. J. Tudor Pl. and 31st St. NW., Washington, D. C. 6047 Allman St., Philadelphia, Pa. 2344 McClellan St., Philadelphia, Pa. 2344 McClellan St., Philadelphia, Pa. 3208 West Ave., Newport News, Va. Philadelphia, Pa. (portable station).	
3AT	less Telegraphy. Philadelphia School of Wire-	Philadelphia, Pa. (portable station)	
3PW	less Telegraphy. Philadelphia School of Wire-	117 Broad St., Philadelphia, Pa	
зтх	less Telegraphy. Philadelphia Turngemeinde Club.	1705 Broad St., Philadelphia, Pa	
	Di litti Ci I D	COO I immed Assa Callingomend N I	
3AHN 3RM	Phillips, Charles E	612 N 2d St. Reading Pa	1
3AHN 3RM 3AKR 3AFD 3MC	Phillips, Charles E	629 Linwood Ave., Collingswood, N. J	1

THIRD DISTRICT-Continued.

ALPHABETICALLY BY OWNERS OF STATIONS-Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Kw.
3TA 3LD	Piper, 8. Webster Pisani, Sylvester	133 E. Antietam St., Hagerstown, Md.	1.0
3HH	Place Samuel W	133 E. Antietam St., Hagerstown, Md. 226 N. Calhoun St., Baltimore, Md. 662 Stanbridge St., Norristown, Pa. 325 Summit Ave., Jenkintown, Pa. 1602 Beulah St., Philadelphia, Pa. 33 E. Walnut Ave., Merchantville, N. J. 308 Elm Ave., Swarthmore, Pa. 200 Chestnut Ave., Newport News, Va. 1617 S. 16th St., Philadelphia, Pa. 110 N. Church St., Waynesboro, Pa. 216 Spruce Ave., Takoma Park, Md. Vineland, N. J.	1.0
3M W	Place, Samuel W Poalk, James L., jr	325 Summit Ave Jenkintown Pa	.5
3LV	Podenski, Paul	1602 Beulah St., Philadelphia, Pa.	. 5
38P	Polk Charles P	33 E. Walnut Ave., Merchantville, N. J.	
3AEL	Pollard, R. Spotswood	308 Elm Ave., Swarthmore, Pa	
3QI	Poole, George D	2804 Chestnut Ave., Newport News, Va	- 5
3PF 3AEO	Postpichal, Utto I	110 N. Church St., Philadelphia, Pa	1.0
3EH	Powell, Edwin L.	216 Spruce Ave. Takoma Park. Md	1.3
3JA	Presbrey, Victor E	Vineland, N. J.	3.
BADM	Prescott, Henry E	407 N. Redfield St., Philadelphia, Pa	
KY	Porrorff, Russell B. Powell, Edwin L. Presbrey, Victor E. Prescott, Henry E. Preston, James E.	911 Oriental Ave., Collingswood, N. J	
BEJ BAHG	Primrose. Donald L Proaschold, Harold V	180 Fuggett Pl Putherford V I	
WR	Pyle W A Faries	1273 Park Boulevard, Camden, N. J.	
3ADN 3FE	Pyle, W. A. Faries Quamtance, Leland C	1807 Phelps Pl., Washington, D. C	
3FE	Rabl. Samuel	419 3rd St., Baltimore, Md	
BUO	Radio Apparatus Co. of America.	216 Spruce Ave., Takoma Park, Md. Vineland, N. J. 407 N. Redüeld St., Philadelphia, Pa. 911 Oriental Ave., Collingswood, N. J. 2814 St. Paul St., Baltimore, Md. 189 Everett Pl., Rutherford, N. J. 1273 Park Boulevard, Camden, N. J. 1807 Phelps Pl., Washington, D. C. 419 3rd St., Baltimore, Md. 5847 Ellsworth St., Philadelphia, Pa.	
BARK	Radio Association of Mary-	Bancroft Rd., Arlington, Md. 96 W. Sharpnack St., Philadelphia, Pa. 1435 S. Broad St., Philadelphia, Pa. 1437 Belle Ave., Baltimore, Md. 931 Edgewood Ave., Trenton, N. J. 964 Claymont St., Wilmington, Del. 352 Brunswick Ave., Trenton, N. J. 2085 E. Kingston St., Philadelphia, Pa. 1535 Bolton St., Baltimore, Md. 58a Isle City, N. J. 176 Main St., Riverton, N. J. 176 Main St., Riverton, N. J. 176 Main St., Riverton, N. J. 176 Main St., Riverton, N. J. 176 Main St., Riverton, N. J. 176 Main St., Riverton, N. J. 176 Main St., Riverton, N. J. 176 Main St., Riverton, N. J. 176 Main St., Riverton, N. J. 176 Main St., Riverton, N. J. 176 Main St., Riverton, N. J. 176 Main St., Riverton, N. J. 176 Main St., Riverton, N. J. 176 Main St., Riverton, N. J. 187 Main St., Riverton, N. J. 187 Main St., Riverton, N. J. 188 Main St., Riverton, N. J. 188 Main St., Philadelphia, Pa. 187 Main St., Philadelphia, Pa. 187 Main St., Philadelphia, Pa. 187 Main St., Philadelphia, Pa. 187 Main St., Riverton, Pa. 187 Main St., Riverton, Pa. 187 Main St., Riverton, Pa. 187 Main St., Riverton, Pa. 187 Main St., Riverton, Pa. 187 Main St., Riverton, Pa. 188 Main St., Riverton, Pa. 188 Main St., Riverton, Pa. 189 Main St., Riverton, Pa. 180 Main St., Riverton, Pa. 180 Main St., Riverton, Pa. 181 Main St., Riverton, Md. 181 Main St., Riverton, Md. 181 Main St., Riverton, Md. 183 Main St., Riverton, Md. 184 Main St., Riverton, N. J. 185 Main St., Riverton, N. J. 186 Chestnut St., Pottstown, Pa. 187 Main Main St., Cumberland, Md. 187 Main Main Main Main Main Main Main Main	1.0
3RN	Ramsey, Howard N	96 W. Sharpnack St., Philadelphia, Pa	
3VC	Rancetelli, Erani	1435 S. Broad St., Philadelphia, Pa	
3NU 3NG	Pager Edward C	031 Edgewood Ave. Trenton N I	
3TM	Rash Franklin L	504 Claymont St., Wilmington, Del.	
TOAS	Raser, Edward G	352 Brunswick Ave., Trenton, N. J	
BAEP	Rau, James F	2085 E. Kingston St., Philadelphia, Pa	
BARO	Rau James F	Island Heights, N. J.	
3RW	Rau, James F Redgrave, DeWitt C Reed, Charles J., ir Reed, Richard M Reid, J. Garnett Reiff, W. Norman	See Jele City, N. I.	1.0
3ADH 3ADP	Read Richard M	716 Main St., Riverton, N. J.	1 13
3AKW	Reid. J. Garnett	708 Edgwood Ave., Richmond, Va	
3EF	Reiff, W. Norman	916 Fayette St., Conshohocken, Pa	1.0
38A	Requa, Fred A. Reynolds, Edwin L. Richardson, Thomas L.	1623 W. Pratt St., Baltimore, Md	
3KU	Reynolds, Edwin L	Bethesda, Md	
3DK 3BF	Richter Horry A	2733 N. Fairbill St. Philadelphia, Pa.	
3MQ	Ridgway, A. King	5 E. Melrose St., Chevy Chase, Md	
3AF8	Richter, Harry A. Ridgway, A. King Rieger, George, Ir.	Penllyn, Pa	1.7
BAFG	Rile, Joseph C	Broad Axe, Pa	1.4
3UH	Rivers, William L	Passing Pa	1.
3UH 3KZ 3NV	Roberts, Harold A	117 Commerce St. Rockville, Md.	1.0
3GX	Roberts, Harold A	607 N. 10th St., Richmond, Va	
3AAP	Roehm, John A	666 Union St., Lancaster, Pa	
3ADG	Roehm, John A	501 Upland Ave., Noble, Pa	
3RR	Roiller, Harold C	66 Chestnut St., Pottstown, Pa	
3AOW 3CV	Robert Horry R	73 Decetur St. Cumberland, Md.	
3GB	Robrer, Harry B Robrich, George J Roland, Penn R. Rollins, Thomas E Rose, Harold W	Hyattsville, Md	
SAIT	Roland, Penn R	563 Haws Ave., Norristown, Pa	
3AIT 3MN	Rollins, Thomas E.	1732 S. 21st St., Philadelphia, Pa	
3VV	Rose, Harold W	St. Albans School, Washington, D. C	
3VL 3UV	Poss John W	214 14th St. Norfolk Va	
3VP	Rothman Charles	1837 Wilhelm St., Baltimore, Md	
3VP 3AID	Rovins, Theodore	2021 N. 32d St., Philadelphia, Pa	
3JP	Rose, Harola W. Rosenfeld, S. Ross, John W. Rothman, Charles Rovins, Theodore Rowe, Charles R. Rudeny, Robert G.	1308 Massachusetts Ave. 8E., Washington, D. C	
3AA8	Rudrow, Robert G	6311 Dicks Ave., Philadelphia, Pa	
3LE	Samaha, Edward F	150 McCormick St. Clifton Force Va	1 :
3AMH 3TK	Rudrow, Robert G. Samaha, Edward F. Sanders, Cecil W. Savage, Thomas A.	54 W. Willow Grove Ave., Philadelpnia, Pa.	
3LL	Schaff, Merle 8	Riverton, N. J.	
3G W	Schaff, Merle S	Limeport, I'a	
3VO	Schall, John R	1318 Turner St., Allentown, Pa	
3AP	Scheetz, Edwin F	W yncote, I'a	
3EW 3AFW	Schimpf Henry I	5020 Newhall St., Philadelphia, Pa	
3AIU	Scheetz, Edwin F Scheffey, Ralph B Schimpf, Henry L Schimpf, Henry L	66 Chestnut St., Pottstown, Pa. 431 W. Susquehanna Ave., Philadelphia, Pa. 73 Decatur St., Cumberland, Md. Hyattsville, Md. 563 Haws Ave., Norristown, Pa. 1732 S. 21st St., Philadelphia, Pa. St. Albans School, Washington, D. C. 321 Church St., Norfolk, Va. 214 14th St., Norfolk, Va. 1837 Wilnelm St., Baltimore, Md. 2021 N. 32d St., Philadelphia, Pa. 1308 Massachusetts Ave. SE., Washington, D. C. 6311 Dicks Ave., Philadelphia, Pa. 2 Oriental Pl., Athantic City, N. J. 150 McCormick St., Clifton Forge, Va. 54 W. Willow Grove Ave., Philadelphia, Pa. Riverton, N. J. 1.Imeport, Pa. 1318 Turner St., Allentown, Pa. Wyncote, Pa. 346 Lafayette St., Bristol, Pa. 223 Andrew Ave., Wildwood, N. J. 1936 Ist St., NW., Washington, D. C. 346 Goepp St., Bethlehem, Pa.	1.
OFFI	Cabliobting Edward N F	223 Andrew Ave., Wildwood, N. J.	
3PA 3AEG	Dennenting, Edward M. E	and it is did it is the interest of the intere	

54257°—16——8

AMATEUR RADIO STATIONS—Continued. THIRD DISTRICT—Continued.

Call signal.	Owner of station.	Location of station.	Pov
			K
3ANC	Schoble, Ralph T. Schuck, Leon II. Schuck, Leon II. Schuller, Byron S.	Wyncote, Pa	
3HN	Schuck, Leon II	2441 N. 8th St., Philadelphia, Pa	
3UU 3AIK	Schuller Ryron S	28 C Creat St Wayneshare Pa	
3HQ	Schuller, Joseph T Schwering, Harry C., jr. Seeley, Alfred J. Seidenberg, Frank.	1390 Brown St Philadalphia Pa	
30U	Schwering, Harry C. ir	1533 S. 16th St., Philadelphia, Pa	
SU	Seeley, Alfred J	211 N. Wilton St., Philadelphia, Pa	
3VT	Seidenberg, Frank	4219 Parrish St., Philadelphia, Pa	
3G D	Sener, C. Edward, jr Service, Charles A., jr Shaffer, Sylvester Shannon, Frank.	2706 24th St. NE., Washington, D. C	
33QZ_	Service, Charles A., jr	2706 24th St. NE., Washington, D. C. Bala, Pa 1017 Warden St., Baltimore, Md. 327 N. Wilton St., Philadelphia, Pa. 322 Morgan Ave., Palmyra, N. J. 207 High St., Burlington, N. J. 121 Oak St., Cumberland, Md. Friendship Heights, Md. 116 W. 22d St., Baltimore, Md. 925 Westminster St. NW., Washington, D. C. 4963 Wakefield St., Philadelphia, Pa. 329 W. School Lane, Philadelphia, Pa.	
HOAS	Shaffer, Sylvester	1017 Warden St., Baltimore, Md	
3WK	Shannon, Frank	32/ N. Wilton St., Philadelphia, Pa	
BAIM BARA	Sharp, Lewis W	222 Morgan Ave., Faimyra, N. J	
BHP	Sheetz, George F	121 Oak St. Cumberland, Md.	
BRT	Sheiry, Edward S	Friendship Heights, Md	
BEU	Shelley, F. Cheston	116 W. 22a St., Baltimore, Md	
3BJ	Sheriff, Leslie M	925 Westminster St. NW., Washington, D. C	
3ANG	Schermer, Frank C	4963 Wakefield St., Philadelphia, Pa	
BIB	Sherrill, Arthur M	329 W. School Lane, l'hiladelphia, Pa	
3AES 3AOG	Sherwood, John R., jr Shoemaker, Joseph L	719 Edgewood Ave. Richmond Va	
BLF	Shreiner, Carl H	925 Westminster St. Nw., Washington, D. C. 4963 Wakefield St., Philadelphia, Pa. 329 W. School Lane, Philadelphia, Pa. Park Heights Ave., Baltimore, Md. 718 Edgewood Ave., Richmond, Va. 37 E. James St., Lancaster, Pa. 210 Lansdowne Ave., Philadelphia, Pa. 3406 N. 11th St., Philadelphia, Pa. 430 Princeton Ave., Trenton, N. J. 1234 Carroll St., Baltimore, Md. 4553 Pulaski Ave., Philadelphia, Pa. 2 11th St., Ocean City, N. J. 38 N. Duke St., Lancaster, Pa. 117 Glenn Road, Ardmore, Pa. 305 Schuylkill Ave., Reading, Pa. 18 E. Madison St., Baltimore, Md. 28 Escher St., Trenton, N. J. 429 W. Hanover St., Trenton, N. J. 247 E. Ross St., Lancaster, Pa. 518 N. Sth St., Philadelphia, Pa. South Hill, Va. Catonsville, Md. 5046 Haverford Ave., Philadelphia, Pa. 18 W. Logan St., Philadelphia, Pa. 18 M. Logan St., Philadelphia, Pa.	
BIU	Silver, Paul B	210 Lansdowne Ave., Philadelphia, Pa	
BANE	Silver, Paul B Silberberger, Fred E Silvers, Frank H., jr Simon, Walter Simons, Joseph M Sinkinson, William R Sirlies, John D. ir	3406 N. 11th St., Philadelphia, Pa	
BANE	Silvers, Frank H., jr	430 Princeton Ave., Trenton, N. J	
3FD	Simon, Walter	1234 Carroll St., Baltimore, Md	
BAGW	Simons, Joseph M	4553 Pulaski Ave., Philadelphia, Pa	
BANR	Sinkinson, William R Skiles, John D., jr Skinner, William H Sleath, Robert W Smith, Alan P., 3d Smith, Alfred L Smith, G. Victor Smith, Harry F Smith, Hubert H Smith, Norborne G Smith, Sewall P Smith, W P Snape, Edwin A., jr Snow, Harold A Snyder, Edwin H., jr Snyder, Lewis S., jr Speakman, Edwin G., jr	2 11th St., Ocean City, N.J	
BADK BPP	Skiles, John D., Jr	117 Clopp Road Ardmore Pa	
BNO	Sleath Robert W	305 Schuylkill Ave. Reading, Pa.	
BBD	Smith, Alan P., 3d	18 E. Madison St., Baltimore, Md	
BAIH	Smith, Alfred L	28 Escher St., Trenton, N. J	
3DQ	Smith, G. Victor	429 W. Hanover St., Trenton, N. J	
3AKS	Smith, Harry F	247 E. Ross St., Lancaster, Pa	
3PU	Smith, Hubert H	518 N. 5th St., Philadelphia, Pa	
3KA 3FH	Smith, Norborne G	South Hill, Va	
3HG	Smith W P	5016 Haverford Ave Philadelphia, Pa	
BASH	Snape Edwin A. ir	318 W Logan St., Philadelphia, Pa	
3JR	Snow, Harold A	1656 Newton St. NW., Washington, D.C	
3.A E	Snyder, Edwin H., jr	318 W. Logan St., Philadelphia, Pa. 1656 Newton St. NW., Washington, D. C. 1767 Columbia Rd., Washington, D. C.	
31K	Snyder, Harry H	Cold Spring, N. J.	
BAFE	Somers, Lewis S., jr	3554 N. Broad St., Philadelphia, Pa	
3SG 3ANS	Speakman, Edwin G., jr	2014 Campridge St. N. W., Washington, D. C	
3DH	Stahl Harry E. ir	275 Rellevue Ave. Trenton, N. J.	
3KI	Stacks, Thomas de A. Stahl, Harry E., jr. Stanley, John S.	Laurel, Md.	
3BC	Stephen, C. Unester	Laurel Springs, N. J.	119
3HI	Stonn John W	1122 Kenyon St. NW., Washington, D. C	
3QA	Stevens, Lewis D	1767 Columbia Rd., Washington, D. C. Cold Spring, N. J. 3554 N. Broad St., Philadelphia, Pa. 3014 Cambridge St. NW., Washington, D. C. 607 Reily St., Harrisburg, Pa. 275 Bellevue Ave., Trenton, N. J. Laurel, Md. Laurel Springs, N. J. 1122 Kenyon St. NW., Washington, D. C. 5224 Delancey St., Philadelphia, Pa.	
	delphia See Frank U		
	Stewart Electric Co.		
BAOF	Stiles Rainh I	510 Broad St., Cape May, N. J	
31 J	Stockton, William	26 Main St., Flemington, N. J.	
BHK	Stockton, William Stokes, Josiah T Strailman, Gilbert T Strang, Harry L Strieby, Malcolm Stritzel, Alfred H. Stubbs, Thomas H. Stumpter, Albert G. Swartz, French V. Swartzkopf, Walter K. Sweger, Monroe J.	15 W. Stiles Ave., Collingswood, N. J	
3FW	Strailman, Gilbert T	649 29th St., Newport News, Va	
BAON	Strang, Harry L	2020 ISt St. N.W., Washington, D. C	
3PQ 3IT	Stritzel Alfred U	Champion Ants Atlantic City N I	
3QS	Stubbs Thomas H	427 W. Union St., West Chester, Pa.	
3AS	Stumpter, Albert G	Old Harford R., Hamilton, Md.	
BAAC	Swartz, French V	26 S. New Jersey Ave., Atlantic City, N. J.	
BANH	Swartzkopf, Walter K	1551 S. 58th St., Philadelphia, Pa	
3AGL	Sweger, Monroe J	6033 Reinhart St., Philadelphia, Pa	
3GY	Swinnery, Walter, jr Tabb, Vincent W Talbot, George L	815 N. Mount St., Baltimore, Md	1
3TH	Talbot Coorge I	506 14th St. Highlandtown Md	
3OF 3ASL	Tallmadge Richard H	Chatham N. J	
3QL	Tapley, Robert E.	Hampton Court, Norfolk, Va	1
3HB	Talbot, George L Tallmadge, Richard H Tapley, Robert E Taylor, Sidney L. M Thomas, David Thomas, Fred S., jr Thomson, Henry A	510 Broad St., Cape May, N. J. 26 Main St., Flemington, N. J. 15 W. Stiles Ave., Collingswood, N. J. 649 29th St., Newport News, Va. 2020 1st St. NW., Washington, D. C. 112 Rutgers Ave., Swarthmore, Pa. Champion Apts., Atlantic City, N. J. 427 W. Union St., West Chester, Pa. Old Harford R., Hamilton, Md. 26 S. New Jersey Ave., Atlantic City, N. J. 1551 S. 58th St., Philadelphia, Pa. 8033 Reinhart St., Philadelphia, Pa. 815 N. Mount St., Baltimore, Md. 26 Court St., Portsmouth, Va. 556 14th St., Highlandtown, Md. Chatham, N. J. Hampton Court, Norfolk, Va 17 Winona Ave., Norwood, Pa. 200 Bethlehem Pike, Ambler, Pa. 1715 Christian St., Philadelphia, Pa. Primos, Pa.	
3AEI	Thomas, David	200 Bethlehem Pike. Ambler, Pa	
3AFR			

THIRD DISTRICT—Continued.

Call signal.	Owner of station.	Location of station.	Power
			Ku.
3TF	Thorborg, Martin E	230 Seymour St., Philadelphia, Pa	0
30 E	Titus, George E	249 Mt. Hope Ave., Dover, N. J. Philadelphia, Pa. (portable station)	
BAHR	Titus, George E	Philadelphia, Pa. (portable station)	
BAHR BIY BVF	Tolbert, Warren B	7037 Hegerman St., Philadelphia, Pa.	
AMW	Tompkins, E. Randolph Townsend, Lloyd	520 9th Ave., Resnoke, Va. 26 N. Massachusetts Ave., Atlantic City, N. J. 996 W. Park Sq., Moore, Pa. 2402 E. Baltimore St., Bultimore, Md.	
BAIP	Tranor, Harry W. Treide, Carl L. Troth, Raymond H. Tuck, Wilbur A.	906 W. Park Sq., Moore, Pa.	
BAH	Treide, Carl L.	2402 E. Baltimore St., Baltimore, Md	
GK	Troth, Raymond H	SEN A. DUI SU, I IIIIAGOIJIIIA, I A	
BATY	Tuck, Wilbur A	Point of Rocks, Md.	
ATE	Tuttle, Norris Turner, Morris C., jr Twine. Roy W. Underhill, Cheeter R.	Bryn Mawr, Pa 2013 Maryland Ave., Baltimore, Md. 319 W. 25th St., Norfolk, Va. Brightside Farm, Guilford, Md.	
OZ	Twine Roy W	210 W 21h St. Norfolk Va	
QR	Underhill, Chester R	Brightside Farm, Guilford, Md	
180		Philadelphia, Pa	
DV	Uphoff, Frank B. Uphoff, Frank B. Uphoff, Frank B. Uphoff, Frank B. Upman, Edgar A.	Brightsde rain, Guined, au 3649 York Rd., Philadelphia, Pa. 3649 York Rd., Philadelphia, Pa. 9318 Thorofare Ave., Margate City, N. J. Philadelphia, Pa. (portable station) 1823 W. Fayette St., Baltimore, Md. 5127 Arch St., Philadelphia, Pa. Cockeysville, Md. 8 Race St., Cambridge, Md. 900 Vandover Ave., Wilmington, Del. 2711 Twoly Ave., Baltimore, Md.	
VQ	Uphoff, Frank B	9318 Thorofare Ave., Margate City, N.J	
SVW	Uphoif, Frank B	Philadelphia, Pa. (portable station)	
CE	Upman, Edgar A	1823 W. Favette St., Baltimore, Mu	1
SB	Van Hulsteyn I M C	Cockeysville Md	
QM	Varnes, Earl W	8 Race St., Cambridge, Md.	
TN	Venn, Silas N	900 Vandever Ave., Wilmington, Del	
ATK	Viessman, Warren	2711 Twoly Ave., Baltimore, Md	
AAY	Upman, Edgar A. Van Horn, J. Clunn. Van Hulsteyn, J. M. C. Varnes, Earl W. Venn, Silas N. Viessman, Warren. Wagner, Laurence E. Wagner, William H. Watte, John W.	2711 Twoly Ave. Baltimore, Md. 6077 Allman St., Philadelphia, Pa. 121 Obold St., West Reading, Pa. 2038 N. 3d St., Philadelphia, Pa. 134 S. 17th St., Allentown, Pa. 2728 Poplar St., Philadelphia, Pa. 38 Prospect St., Trenton, N. J. 2629 Edmondson Ave., Baltimore, Md. 405 Broadway, Camden, N. J.	
KL	Wagner, William II	121 Obold St., West Reading, Pa	
LW	Walte, John W	2038 N. 3d St., Philadelphia, Pa	
IR	Wallace Lawie I	2728 Pontar St. Philadelphia Pa	
AIL	Wallace, M. Edgar Wallace, William D Wallen, Francis B Walsh, Maurice J	38 Prospect St., Trenton, N. J.	
RF	Wallace, William D	2629 Edmondson Ave., Baltimore, Md	
NN	Wallen, Francis B		
INN	Walsh, Maurice l	405 Browlway, Camden, N. J. 819 W. Levington St., Baltimore, Md. 552 Kohn St., Norristown, Pa. 207 W. York St., Norfolk, Va. New Garden, Pa. 1420 N. Bouvier St., Philadelphia, Pa. 2142 S. Rosewood St., Philadelphia, Pa. 214 W. Baruard St., West Chester, Pa. 10 Hanover St., Cumberland, Md. 1546 Alsquith St., Baltimore, Md.	
OR	Walker, Donald R	552 Kohn St., Norristown, 1'a	
AAW	Walker, Donald R	Now Carden Pa	
HU	Walton Brown G	1420 N. Rouvier St., Philadelphia, Pa.	1
PO		2112 S. Rosewood St., Philadelphia, Pa	
BBV	Watson, Paul G. Ways, Clarence I. Weant, Clarence II. Weber, Charles W. Weber, James N.	214 W. Baruard St., West Chester, Pa	
BVN	Ways, Clarence I	10 Hanover St., Cumberland, Md	
BAG	Weant, Clarence II	1546 Aisquith St., Baltimore, Md	
BAFA BAER BAFT	Weber, Charles W	DIATE Millyilla N. I	1
AFT	Webster Harold 8	Abington, Pa 111 3d St., Millville, N. J. 3623 N. 18th St., Philadelphia, Pa. 126 Athens Ave., Ardmore, Pa.	
AEH	Wedge, Franklin W.	126 Athens Ave., Ardmore, Pa	
BOC	Webster, Harold 8. Wedge, Franklin W. Wegner, Arthur H. Wegner, Edwin. Weldman, Marshall D.	Livingston Heights, Va	
BAAT	Wegner, Edwin	117 Northampton St., South Bethlehem, Pa	
BAFM	Weidman, Marshall D	Columbia, N. J.	
BADP	Weigel, George H	716 Main St., Riverton, N. J	
BFC BAHR	Weigel, George H Weik, Charles F Weik, Charles F Weikel, John H Weiss, Leonard	117 Northampton St., South Bethielen, Pa., Columbia, N. J. 716 Main St., Riverton, N. J. 7148 Vandyke St., Philadelphia, Pa., Philadelphia, Pa. (portable station).	
BAGA	Weikel John H	900 Church St. North Wales, Pa	
BLH	Weiss, Leonard	1900 Church St., North Wales, Pa. 4825 Woodland Ave., Philadelphia, Pa. 815 S. 5th St., Camden, N. J. 39 S. Stricker St., Baltimoro, Md.	
BHF			
30Q	Welke, Paul L	39 S. Stricker St., Baltimore, Md	
BAML	Wessells, Wilbert T		
BAF	West, William M	1907 N. Central Ave., Daitimore, atd	
BAGD BFI	Westlake, Harry I	238 8 Patterson Park Ave., Baltimore, Md.	
310	West, William M. Westlake, Harry T. Wever, John A. Wexler, Bernard. Wheatley, Douglas N. Whitaker, Lorenzo D. Whita Norman P.	431 Dickinson St., Philadelphia, Pa.	
KQ CZ	Wheatley, Douglas N	405 N. 32d St., Philadelphia, Pa	
MV	Whitaker, Lorenzo D	937 14th St. SE., Washington, D. C	
\mathbf{BDG}	White, Norman I'	19 General Greene Ave., Trenton, N. J	
BEN	Whitney, Lucien 8 Wick, Arthur Wicks, Preston 8 Wight, Donald M	431 Dickinson St., Filliagelphia, Pa. 405 N. 32d St., Philadelphia, Pa. 937 Hth St. SE., Washington, D. C. 19 General Greene Ave., Trenton, N. J. 624 Quincy St. NW., Washington, D. C. 2106 S. Percy St., Philadelphia, Pa.	
3OX	Wick, Arthur	2008 Ruskin Ava Baltimora Md	-
3NJ 3ARO	Wight Donald M	1620 29th St., Washington, D. C.	
38I			
3IP	Williamson, Charles M., jr Williamson, Robert M Wilson, Arthur J	Hampton, Va	
3AKD	Williamson, Robert M	4701 Pulaski Ave., Philadelphia, Pa	
3BU	Wilson, Arthur J	35 S. 45th St., Philadelphia, Pa	
3AKO 3IV	Wilson, Roy	30th and Locust Sts., Wilmington, Del	
31V 3BZ	Winters Ralph N	30th and Locust Sts., Wilmington, Del	1
3HA	Wiseman Luther R	330 W St. NW., Washington, D. C.	
3BR	The south and the state of the	Transfer Attaches On Thillsdalahia Da	

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	
зали	Wohlsen, Richard		
3J D	Wolcott, Roger G	224 41st St., Norfolk, Va	
3BS	Wolff, William J	2422 S. Iseminger St., Philadelphia, Pa	
3GR	Wood, Richard M		1.
3WG	Worley, Robert A		
3AGH	Wright, Ervin T	58 Broad St., Salem, N. J.	
3AAZ	Wright, S. Joseph	924 Spruce St., Philadelphia, Pa	
3AFL	Wynkoop, John E	4316 Chestnut St., Philadelphia, Pa	
3AIO	Wynkoop, John E		
3RS	Yearley, Clifton K	Garrison and Fernhill Aves., Baltimore, Md	
3WT	Young, Walter T	521 Leibert St., Bethlehem, Pa	
3AKF	Young Men's Christian Asso- ciation (Central Branch).	1421 Arch St., Philadelphia, Pa	
3HZ	Zabel, Leroy E	100 Glenside Ave., Glenside, Pa	
3IG	Zabel, Leroy E	156 Lismore Ave., Glenside, Pa	1.
3NA	Zang, Joseph A., jr	3701 Fairmount Ave., Philadelphia, Pa	
3ATO	Zapp, Frederick A	469 Rutherford St., Trenton, N. J.	
3AMR	Ziegler, Lewis D., 3d	5101 Pulaski Ave., Philadelphia, Pa	The second
3ANP	Zimmerman, Harry F		
3LS	Zito, Vincent		
3PB	Zorger, Daniel H	409 Helker St., Harrisburg, Pa	1

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 3AED	Craigie, Stuart M. Haslett, Harold D.	3AGK	Nichols, Jack and William F.
3AAE	Lesky, William.	3AEF	Beidelman, Harry A.	3AGL	Sweger, Monroe J.
3AAF	Brudenell, Norman.	3AEG	Schmidt, G. Ambrose.	3AGN	Miller, Paul F.
3AAG	Carroll, Louis, jr.	3AEH	Knoll, Lloyd M.	3AGP	Blanford, Irving I.
3AAH	Wohlsen, Richard.	3AEI	Thomas, David.	3AGR	Musante, Augustin
3AAI	Blake, John M.	3AEK	Lewis, J. A.		F. '
3AAJ	Blair, Drewry.	3AEL	Pollard, R. Spotts-	3AG8	Michaels, A. G.
3AAK	Hopkins, James R.		wood:	3AGT	Gresh, Harold.
3AAL	Lewis, John B.	3AEM	Booz, W. N.	3AH	Treide, Carl L.
3AAM	Russo, Ernest.	3AEN	Holstein, Hubert.	3AHA	Carlisle, John F.
3AAN	Nicholls, Verne.	3AEO	Pottorff, Russell.	3AHE	Lazarus, Sanford S.
3AAO	Klock, Victor J.	3AEP	Rau, James F.	3AHF	Martin, Justus L.
3AAP	Roehm, John.	3AER	Weber, James N.	3AHI_	Giles, Larkin.
3AAR	Lum, Robert B.	3AES	Sherwood, John R., jr.	3AHK	Houck, Harry W.
3AA8	Rudrow, Robert.	3AET_	Horner, George E.	3AHM	Morris, W. J., jr.
3AAT	Wegner, Edwin.	3AEW	Dicks, G. C. West, William M.	3AHN	Phillips, Charles E.
3AAU	Faulstich, Chester W.	3AF	West, William M.	3AHO	Dunn, John M.
3AAV	Bechler, Wm. C., jr.	3AFA	Weber, Charles W.	3AHP	Chesser, Page P. A.
3AAW	Walthall, John H.	3AFD	Phillips, William G.	3AHR	Tolbert, Warren B
3AAX	Hicks, Thomas R.	3AFE	Somers, Lewis S., jr.	0 4 77 0	and Weik, Chas. F
3AAY	Wagner, Laurence E.	3AFG	Rile, Joseph C.	3AHS 3AHT	Brown, Edwn H.
3AAZ	Wright, S. Joseph. Carroll, Roy C.	3AFH 3AFI	Fliegel, William M. Backe, Louis M., jr.	3AHW	Deavers, W. R. Leigh, Walter S.
3AB	Willes Alfred H	3AFK	Lohr, Allen W.	3AI W	Mohr, Paul D.
3AC	Miller, Alfred H. Bott, James M.	3AFL	Wynkoop, John E.	3ATA	Cocklin, Foster W.
3ADA 3ADE	Layton, Howard H.	3AFM	Weidman, Marshall	3AIB	Atkinson, T. Howard
SADE	Harrell, Leonard B.	0111111	D.	SAID	Rovins, Theodore.
3ADG	Roehm, Sewall.	3AFN	Lippincott, Bertram.	SAIE	Keim, Jonathan D.
3ADH	Reed, Charles J., ir.	3AFO	Huddy, James J., jr.	3AIF	Gluck, Earle.
3ADI	Imfeld, Fred H.	3AFP	Noble, Christopher.	3AIG	Hale, Charles W.
3ADK	Skiles, John D., jr.	3AFR	Thomas, Fred S., jr.	3AIH	Smith, Alfred L.
3ADL	Ellis, Edmund K.	3AFS	Rieger, George, jr.	3AIL	Wallace, M. Edgar.
3ADM	Prescott, Henry E.	3AFT	Webster, Harold 8.	3AIM	Sharp, Lewis W.
3ADN	Quaintance, Leland	3AFW	Schimpf, Henry L.	3AIN	Liddeil, Harry M.
	C.	3AG	Weant, Clarence H.	3AIO	Wynkoop, John E.
3ADO	Coombs, John 8.	3AGA	Weikel, J. H.	3AIP	Tranor, Harry W.
3ADP	Reed & Weigel.	3AGD	Westlake, Harry T.	3AIR	Beaumont, Robert H
3ADR	Endress, John.	3AGE	Hemphill, William J.,	3AI8	McClanen, Wilson T
3AD8	McAllister, Louis E.		ir.	3AIT	Roland, Penn R.

THIRD DISTRICT-Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
8ATU	Schimpf, Henry L. Mastin, Marion G. Chadwick, Eric.	3ARA	Shaw, P. Russell.	3BQ	Eller, George O.
8AIV	Mastin, Marion C.	3 A R D		3BQ 3BR	Witty, Gustav.
SAIV SAIW	Chadwick, Eric.	3ARE	Cullin, Ernest N. Beck, Page M.	3B8	Witty, Gustav. Wolff, William J.
3AIY		3ARF	Beck, Page M.	3BT	Philadelphia School
3AJ	Bausman, George H. Duvall, Edward B. Moore, James P. Williamson, Robt. M. Enslin, L. R. Central Y. M. C. A. Barford B. R.	3ARO	Kelley, Ray F. Drexel Radio Club.		of Wireless Teleg
3AK 3AKA	Duvall, Edward B.	3ARH	Drexel Radio Club.	2077	raphy.
3V KV	Moore, James P.	3ARI 3ARK	Gillen, John J. Radio Association of	3BU 3BV	Wilson, Arthur J. Watson, Paul G.
3AKE	Preis T P	JAKK	Marriand	3BW	Campbell John W
8AKF	Central V. M. C. A	3ARL	Maryland. Belt, William B.	3RY	Campbell, John W.
3AKG	Ranford R F	3ARM	Flumerielt, E. C.	3BZ	Patterson, Edward B. Winters, Ralph N.
3AKH	Basford, R. F. Greenfield, R. H. Eisenhard, Stanley E. Dolbow, George W.	3ARN	Flumerfelt, E. C. Hunt, H. Lester. Wight, Donald M.		
3A KI	Eisenhard, Stanley E.	3ARO	Wight, Donald M.	3CA	Adelberger, Adrian J. Moore, Earl T.
3 A K K	Dolbow, George W.	3ARP	Hunter, H. Clifford.	3CB	Moore, Earl T.
3AKM	i Goldstein. William.	3AR8	McNair, William D.	3CC	Biddle, Howard L.
3AKN 3AKO	Lewis, Max J. Wilson, Roy. Bargelt, R. L.	3ART 3ARW	Hunter, H. Clifford. McNair, William D. Harvey, Walter E. Beaston, Frank W.,	3CE	Jr.
3V KO	Wilson, Roy.	3ARW	Beaston, Frank W.,	3CF	Upman, Edgar A.
3AKP 3AKR	Deffice Permand P	240	Stumptnee Albert G	3CG	Laager, Creston F. Pauly, Robert. Ferris, Malcolm. Cook, Howell E. Imfeld, Fred H.
2 A K Q	Phillips, Raymond B.	3A8 3A8A	Stumptner, Albert G. Milner, Robert D.	3CH	Ferris Malcolm
3AK8 3AKT 3AKW	Smith, Harry F. Eisenhauer, Harry D.	3ASD	Demon. L. R.	3CH 3CI	Cook, Howell E.
RAKW	Reid, James G.	3ASE	Damon, L. R. Channell, John W.	3CJ	Imfeld, Fred H.
8AL	Gnenzel, Herman A.	3A8F	Blaces, George.	3CK	I Daer, Francis M.
MAS	Majer, Carl T. Fow, Oscar A. Hart, Robert M.	3880	McKnett, Robert R.	3C.W	Coleman, Walter V.
2 A M A	Fow, Oscar A.	3ASH	Snape, Edwin A. Maris, Harvey.	3C.M	I Van Horn, J. Chinn.
SAMD SAME	Hart, Robert M.	3481	Marts, Harvey.	3CN	Ashton, Leon W.
SAME	E12301, 10mm p.	348K	Jordan, P. A., Jr.	3CP	Ashton, Leon W. Campbell, James S.
3AMP	Beakman, Robert L.	3ASL	Tallmadge, R. H.	ac r	Bunting, George M.
3AMG	Gains, G. A.	3A8M	Britt, C. J. Minnick, Otis. University of Penn-	3CQ	Financ Duccell W
2 A WI	Banders, Cecil W. Brineshulls, Ralph.	3ABN 3ABO	L'niversity of Penn-	3CR	Finger, Russell W. Ellis, William G.
8AMH 8AMI 8AMK	Abdell George 8.	JABO		308	I Kaker Herold Z
3AML	Wessells, W. Thomas.	3A8P	Lewis, John C., ir.	3CT	Nassau, James A.
2 A MN	Bakley, F. W.	3ABR	Hauf, Joseph C., jr.	3CT 3CW	Nassau, James A. Gauss, Harry W. Lange, J. Robert.
3AMO 3AMP 3AMR	Linthicum, Robt. E.	3ABR 3ABT	Brown, William.	3CW	Lange, J. Robert.
3AMP	Brimeshulls, Kaiph, Abdell, George S. Wessells, W. Thomas. Bakley, F. W. Linthforum, Robt. E. Hollowsy, Jack. Ziegler, Lewis D. Brandt, Bruce C. Brown, Rayllond H. Townsend, Loyd.	3ASU	sylvans. Lewis, John C., jr. Hauf, Joseph C., jr. Brown, William. Blum, William. Lewis, J. Arthur. Hammel, W. C. Philadelphia, School	3CX 3CY	Parichy, Emery. Biser, Mark.
3AMR	Ziegler, Lewis D.	3ASV	Lewis, J. Arthur.	3CY	Biser, Mark.
ZAMH	Brandt, Bruce C.	3ABW	Hammel, W. C.	3CZ	Wheatley, Douglas N
3AMT 3AMW 3AN	Townsend Lord	3AT	Philadelphia School of Wireless Telegra-	3DA	Peterson, Raymond
2 A N		F1	phy.	ODA.	E.
3ANA	Walsh, Maurice L. Miller, Marvin V.	ATA8	Brubaker, John W.	3DB	Perry Willard P. ir.
3ANC	Schoble, Ralph. Casey, Howard. Silberberger, Fred E.	3ATD 3ATE	Heist, LeRoy E.	3DC	Bergen, Donald M.
3AND	Casey, Howard.	3ATE	Heist, LeRoy E. Tuttle, Norris.	3DD	Bailey, William J., jr.
3ANE	Silberberger, Fred E.	3ATF	Hodges, Thomas L.	3DE	Bergen, Donald M. Bailey, William J., jr. Chism, Thomas A.
SANF SANG	I CITHER, CA. MA.	3ATG	Gunmere, John F.	3DF	Brockway, Ladue M. White, Norman P. Stahl, Harry E., jr. Lowell, Percival D.
SANG	Shermer, F. C. Swartzkopf, Walter	HTA8	George, John R. Bayne, C. A. Viessman, Warren. Michael, Albert.	3DH	White, Norman P.
HUVE	Bwartekopi, waiter	3ATI 3ATK	Bayne, C. A.	3DI	Lordi Persimi D
3ANL	Chambers, Ivan F.	3ATI.	Wichael Albert	3DJ	McCarter, William F.
MAS.	Bromley, George T.,	3ATM	Morgan, Joseph, ir.	3DK	Richardson, Thomas
U2111	ir.	3ATN	Morgan, Joseph, jr. Briscoe, James.		L.
3ANO	Henneberger, Hubert	3 A TO	Zapp, Fred A.	3DL	Kreis, William J. Page, John C.
	A.	SATP	Zapp, Fred A. Onens, Clarence E.	3DM	Page, John C.
3ANP 3ANR	Zimmerman, Harry.	3.4.0	Jewett, Richd. W. D. Gerns, William H., jr. Ely, Harry S.	3DN	Bertolet, Benjamin. Maxson, Donald L.
BANR	Sinkinson, Wm. R.	3AV	Gerns, William H., jr.	3D0	Maxson, Donald L.
BANS BANT	Stacks, Thomas D. Martin, George C. Burkhart, Horace C. Collier, Wilbur H.	3AW	LIY, HATTY B.	3DP	McDonald, Lester B. Smith, G. Victor.
W NAS	Burkhart Hamas C	3AX 3AY	Arner, Oscar Q. Gaskins, Richard W.	3DQ 3DR 3DU	Eyster, James A.
8AO W	Colleg Wilbers H	3AZ	Gillingham, George	177	Louchheim, William
DOVE	McIger Renwick 8	UNL	L., fr.	020	8.
SAOE	McIver, Renwick 8. Davis, Lewis V. Stiles, Ralph J.		, ,	3DV	Uphoff, Frank B.
BAOF	Stiles, Ralph J.	3BA	Carrington, Roland.	3DW 3DY	Hermanns, A Walter.
SAOG	Shoemaker, Joseph L.	3BB	Kralovec, Dalibor.	3DY	Lynn, Thomas H.
HOAS	Shoemaker, Joseph L. Shaffer, Sylvester.	3BC	Kralovec, Dalibor. Stephen, C. Chester. Smith, Alan P.	3DZ	Fisher, Roy 8.
IOAS	Coblents, Phillip O.	3BD 3BE	Smith, Alan P.	022	To Selle Callege
SYOK	Kenyon, Walter R.	3BE	Critchiow, P. Davey.	3EB	La Salle College.
NOL	Cobientz, Phillip O. Kenyon, Walter R. Kienast, J.	3BF	Critchlow, P. Davey. Richter, Harry A.	3EC	Thomson, Henry A.
3AOM		3BG 3BH		3EE	Nikirk Thomas P
2AOP	Cilbert C W	3BI	Failer, Frederick W	8EF	Raiff. W. Norman
3AOP	Strang, Harry L. Gilbert, C. W. Lister, R. W. Ratcliffe, W. E.	3BJ	Flather, Bryan S. Feiler, Frederick W. Sheriff, Leslie M.	3EH	Legg, Albert A. Nikirk, Thomas E. Reiff, W. Norman. Powell, Edwin L.
TOAS	Ratcliffe, W. E.	3BK	I KPVOA STADIAV C. I	3EI	Kümler, Kelvin C.
3ÃOW	Roethlinger, Chas. H.	3BL	Beach, Harry L.	3EJ	Primrose, Donald L.
3AP	Roethlinger, Chas. H. Scheetz, Edwin F. Hogan, Harold O. Gilpin, Levering H.	3BM	Beach, Harry L. Allen, George Y. Brady, John B.	3EK	Moore, Daniel D. Fricke, Henry W. L.
3AQ 3AR	Hogan Harold O.	3BO	Brady, John B.	3EL	Fricke, Henry W. L
OVE		8BP	Blackwood, George C.	8EM	Heyser, Wilbur A.

THIRD DISTRICT—Continued.

Signal S						
Actin, E. Liaton. 310 32FT Alber, Robert C. 32FU Shelley, F. Cheston. 32FV Stramman, Julian L. 32FX Gray, K. F. 32FX Gray, K. F. 33FX Gray, K		Owner of station.		Owner of station.	Call signal.	Owner of station.
Mortin, E. Linton Step S	3EN	Whitney, Lucien 8.	31 A	Mahlmeister, E. J., ir.	3LI	Heck, Lewis O.
Mortin, E. Linton Step S	3EO	Bookins, John M., jr.	31B	Sherrill, Arthur M.		Anderson, Joseph L.
Mertin, E. Linton. 310 32FT 32FT 32FT 32FT 32FT 32FT 32FT 32FT	3EP	Kennedy, Joseph H.	3IC	Dingee, Alex. L. M.	3LL	Schaff, Merle 8.
Mertin, E. Linton. 310 32FT 32FT 32FT 32FT 32FT 32FT 32FT 32FT	3EQ	MacKendrick, Robert	3ID	Hasenfus, Joseph F.	3LM	Hermandez, Roger B
3FA Davis, Edwin L. 3FB Davis, Edwin L. 3FB Davis, Edwin L. 3FC Welk, Charles F. 3FC Welk, Charles F. 3FD Simon, Walter. 3FF Bornster, Waren J. 3FO Godfrey, James M. 3FF Bornth, Swell P. 3FF Demyster, Waren J. 3FG Godfrey, James M. 3FF Bornth, Swell P. 3FF Bornth, Swell P. 3FF Bornth, Swell P. 3FF Bornth, Swell P. 3FF Wever, John A. 3FF Bornth, Swell P. 3FF J. 3FF Wever, John A. 3FF J	0700	ı u.		Godfrey, Earle.	3LN	Doyle, John E.
3FA Davis, Edwin L. 3FB Davis, Edwin L. 3FB Davis, Edwin L. 3FC Welk, Charles F. 3FC Welk, Charles F. 3FD Simon, Walter. 3FF Bornster, Waren J. 3FO Godfrey, James M. 3FF Bornth, Swell P. 3FF Demyster, Waren J. 3FG Godfrey, James M. 3FF Bornth, Swell P. 3FF Bornth, Swell P. 3FF Bornth, Swell P. 3FF Bornth, Swell P. 3FF Wever, John A. 3FF Bornth, Swell P. 3FF J. 3FF Wever, John A. 3FF J	3ET	Alber Pobert C	3117	Eicele Edward in	3LU	Dancham Harry W.
3FA Davis, Edwin L. 3FB Davis, Edwin L. 3FB Davis, Edwin L. 3FC Welk, Charles F. 3FC Welk, Charles F. 3FD Simon, Walter. 3FF Bornster, Waren J. 3FO Godfrey, James M. 3FF Bornth, Swell P. 3FF Demyster, Waren J. 3FG Godfrey, James M. 3FF Bornth, Swell P. 3FF Bornth, Swell P. 3FF Bornth, Swell P. 3FF Bornth, Swell P. 3FF Wever, John A. 3FF Bornth, Swell P. 3FF J. 3FF Wever, John A. 3FF J	3EU	I Shallav E. Chaston. I	311	Gleisper Francis W.	31.0	Rirch Stanford 8.
3PA Davis, Edwin L. 3PB Davis, Edwin L. 3PB Darby, George B., ir. 3PC Weik, Charles F. 3PD Simon, Walter. 3PF Dempster, Waren J. 3PF Dempster, Waren J. 3PF Dempster, Waren J. 3PF Dempster, Waren J. 3PF Dempster, Waren J. 3PG Godfrey, James M. 3PF Dempster, Waren J. 3PH Smith, Swell P. 3PI Wever, John A. 3PH Smith, Swell P. 3PI Wever, John A. 3PJ Knowles, Edward P., ir. 3PJ Knowles, Edward P. 3PI Wever, John A. 3PJ Knowles, Edward P. 3PI Wever, John A. 3PJ Knowles, Edward P. 3PF Debram, Roland D. 3PM Channell, John W. 3PM Channell, John W. 3PN Delchamiler, Alvin. 3PQ Clark, William R. 3PF Denster, E. Cranles J. 3PF Badworts, Benard J. 3PF Badworts, Benard J. 3PF Devlin, John L.	3EV	Brannan, Julian L.	3ÎĴ	Stockton, William.	3LR	Zito, Vincent.
3PA Davis, Edwin L. 3PB Davis, Edwin L. 3PB Darby, George B., ir. 3PC Weik, Charles F. 3PD Simon, Walter. 3PF Dempster, Waren J. 3PF Dempster, Waren J. 3PF Dempster, Waren J. 3PF Dempster, Waren J. 3PF Dempster, Waren J. 3PG Godfrey, James M. 3PF Dempster, Waren J. 3PH Smith, Swell P. 3PI Wever, John A. 3PH Smith, Swell P. 3PI Wever, John A. 3PJ Knowles, Edward P., ir. 3PJ Knowles, Edward P. 3PI Wever, John A. 3PJ Knowles, Edward P. 3PI Wever, John A. 3PJ Knowles, Edward P. 3PF Debram, Roland D. 3PM Channell, John W. 3PM Channell, John W. 3PN Delchamiler, Alvin. 3PQ Clark, William R. 3PF Denster, E. Cranles J. 3PF Badworts, Benard J. 3PF Badworts, Benard J. 3PF Devlin, John L.	3EX	Gray, K. F.	3IK	Snyder, Harry H.	3LT	Dunbar, Lewis T.
3FL Darby, George B., Jr. Welk, Charles F. Welk, Charles F. Server, Charles F. Server, Channell, John M. Sirver, Paul. Silver, P	3EY	McIntyre, William.	3II.	Pawson, James M.	1 31.11	Ellis, J. Elton.
33FF Dempster, Warren J. 31G Godfrey, James M. 31R Smith, Swell P. 31R Swith, Welca, Install All Swell P. 31R Swith, Swell P. 31R Swith, Swell P. 31R Swith, Welca, Install Swell P. 31R Swith, Swell P. 31R Swith, Swell P. 31R Swith, Welca, Install Swell P. 31R Swith, Swell P. 31R Swith, Swell P. 31R Swith, Swell P. 31R Swith, Swell P. 31R Swith, Swell P. 31R Swith,	0714		3IM	Behan, Arthur R.	3LV	Pagemsnki, Paul.
33FF Dempster, Warren J. 31G Godfrey, James M. 31R Smith, Swell P. 31R Swith, Welca, Install All Swell P. 31R Swith, Swell P. 31R Swith, Swell P. 31R Swith, Welca, Install Swell P. 31R Swith, Swell P. 31R Swith, Swell P. 31R Swith, Welca, Install Swell P. 31R Swith, Swell P. 31R Swith, Swell P. 31R Swith, Swell P. 31R Swith, Swell P. 31R Swith, Swell P. 31R Swith,	3FA	Davis, Edwin L.	310	Williamson Charles	3LA	Calclein Henry S
SFF Godfrey, James M. SFR Smith, Swell P. SFR Godfrey, James M. SFR Smith, Swell P. SFR Smith, Swell P. SFR S	320	Walk Charles F	311	M is	31.V	Horris William I
3FF Godfrey, James M. Sirth, Sowell P. Sirtlezi, Alfred H. Sirtlez	3FD	Simon. Walter.	310	Knoll, Lloyd M.	31.2	McCullough, Earl N.
3FJ Knowles, Edward P., jr. 3FL Pearson, Roland D. Fleid, Harry P. B. 3MF Hitchner, Cly Marchael, John W. 2FN Channell, John W. 3JA Presbrey, Victor. 3MG Morrise, Wasten B. 3MF Hitchner, Cly Marchael, Spr. Delchmiller, Alvin. 3JB Petit, Ernest L. 3MI Sh, Clifford Marchael, Spr. Delchmiller, Alvin. 3JB Petit, Ernest L. 3MI Sh, Clifford Magowen, Hot Greon, Bandley C. 3JF Wolcott, Roper G. 3MK Dickerson, E. Stuart, Jr. 3JF Deckman, Francis C. 3MG Morrise, Wasten Jr. 3JF Brockman, Francis C. 3MO Schnable, Stanley F. 3MF Brockman, Francis C. 3MO Schnable, Stanley F. 3MF Marchaeld, Albert L 3GA Dietz, Fred. 3JF McCaskey, Edward R. 3MG Schnable, Stanley F. 3MF Grankenheld, Albert L 3GE Nadig, Stanton E. 3JF Show, Harold A. 3MG Morris, George J. 3MF Marchaeld, Albert Catlon. 3MG Morris, George M. 3MG Morris, George M. 3WG Gardner, J. A. 3MW Gardner, William R. 3GC Troth, Raymond H. 3JV Gardner, J. A. 3MW Gardner, William R. 3GC Morris, George M. 3MG Morris, George M. 3MG Morris, George M. 3MC Schnable, Stanley C. 3MG Morris, George M. 3MG Morris, George M. 3MG Morris, George M. 3MG Morris, George M. 3MG Morris, George M. 3MG Morris, George M. 3MG Morris, George M. 3MG Swinney, Walter, Jr. 3MG Morris, George M. 3MG Swinney, Walter, Jr. 3MG Morris, George M. 3MG Swinney, Walter, Jr. 3MK Stanley, John S. 3MG Geon, Daniel J. 3MG Swinney, Walter, Jr. 3MK Stanley, John S. 3MG Morrey, Aguston, Barthony J. 3MG Morrey, Aguston, Barthony J. 3MG Morrey, Aguston, Barthony J. 3MG Morrey, Aguston, Barthony J. 3MG Morrey, Aguston, Barthony J. 3MG Morrey, Aguston, Barthony J. 3MG Morrey, Aguston, Barthony J. 3MG Morrey, Aguston, Barthony J. 3MG Morrey, Aguston, Barthony J. 3MG Morrey, Morre	3FF	Dempster, Warren J.	318	Hartley, Milton E.	022	
3FJ Knowles, Edward P., jr. 19. 13. 13. 13. 13. 13. 13. 14. 15. 15. 15. 15. 15. 15. 15. 15. 15. 15	3FG	Godfrey, James M.	3IT	Stritzel, Alfred H.	3MA	Bacon, Harry.
3FJ Knowles, Edward P., jr. 19. 13. 13. 13. 13. 13. 13. 14. 15. 15. 15. 15. 15. 15. 15. 15. 15. 15	3FH	Smith, Sewell P.	3117	Silver, Paul.	3MC	Pillsbury, Martin K.
Jirowes, Edward P. Jirowes, Edward R. Jirowes, Calles, Marcham, Leward R. Jirowes, Calles, Marcham, Leward R. Jirowes, Calles,	3FI	wever. John A.	3IW	Fisher, John.		Dulany, Franklin R.
3FL Channell, John W. 3JA Presbrey, Victor. 3MH Arkham, Les SFN Delchmiller, Alvin. 3JB Aut, Arthur K. 3MJ Meryine, Wat SFN Densten, E. Craig. 3JD Dickerson, E. Stuart K. 3MJ Dickerson, E. Stuart K. 3MJ Dickerson, E. Stuart K. 3MJ Dickerson, E. Stuart K. 3MJ Dickerson, E. Stuart K. 3MJ Dickerson, E. Stuart K. 3MJ Dickerson, E. Stuart K. 3ML Jr. 3JF Devilin, John L. 3JF Dickerson, E. Stuart K. 3ML Jr. 3JF Devilin, John L. 3JF Dickerson, E. Stuart K. 3ML Jr. 3JF Devilin, John L. 3JF Devilin, John L. 3JF Devilin, John L. 3JF Devilin, John L. 3JF Devilin, John L. 3JF Devilin, John L. 3JF Devilin, John L. 3JF Devilin, John L. 3JF Brokerson, E. Stuart K. 3ML Jr. 3JF Devilin, John L. 3JF Brokerson, E. Stuart K. 3MJ M. 3JK Schnable, Stanley E. 3MP Schnable, Stanley E. 3MP Brokeman, Francis C. 3MO Brokeman, Francis C. 3MO Brokeman, Francis C. 3MO Brokeman, Francis C. 3MO Brokeman, Francis C. 3MO Brokeman, Francis C. 3MO Brokeman, Francis C. 3MO Brokeman, Francis C. 3MO Brokeman, Francis C. 3MO Brokeman, Francis C. 3MP Brokeman, L. 3JF Brokeman, L. 3JF Brokeman, L. 3JF Brokeman, Francis C. 3MO Brokeman, Francis C.	3FJ	Knowles, Edward P.,	31X	Field, Harry P.		
3FN Deichmiller, Alvin. 37R Deichmiller, Alvin. 37R Densten, E. Craig. 37D Wolcott, Roger G. 37FT Bisclotti, Bernard J. 37FT Bisclotti, Bernard J. 37FY Bovin, John L. 37FY Deviin, John L. 37FY Deviin, John L. 37FY Deviin, John L. 37FY Bisclotti, Bernard J. 37FY Bisclotti, Bernard J. 37FY Bisclotti, Bernard J. 37FY Deviin, John L. 37FY Deviin, Martin. 37FY Deviin, John L. 37FY Deviin, John L. 37FY Deviin, John L. 37FY Deviin, John L. 37FY Deviin, Martin. 37FY Deviin, John L. 37FY Deviin, John L. 37FY Deviin, Martin. 37FY Deviin, Martin. 37FY Deviin, John L. 37FY Deviin, Martin. 37FY Deviin, Martin. 37FY Deviin, Martin. 37FY Deviin, Martin. 37FY Deviin, Prancis C. 37FY Deviin, Martin. 37FY Deviin, Martin. 37FY Devii	SEI.	Pearson Roland D	31 1	Tolbent, Warren B.	3MC	Marvine Wetson M
3FR Densten, E. Craig. 3JD Clark, William R. 3FY Bisclotti, Bernard J. 3FY Bisclotti, Bernard J. 3FY Bisclotti, Bernard J. 3FY Bisclotti, Bernard J. 3FY Devlin, John L. 3JF J. 3GA Dietz, Fred. 3JB Robrich, George J. 3GB Robrich, George J. 3GB Sener, Charles E., Jr. 3GE Nadig, Stanton E. 3JP McCaskey, Edward R. 3MN Borck Miller, Albert L. 3JR McCaskey, Edward R. 3MN Borch, Albert L. 3JR McCaskey, Edward R. 3MN Bickel, E. Cliff McCaskey, Edward R. 3MN Ring, Albert. 3MN Rills, Albert. 3MN Rills, Albert. 3MN Ridgent. 3MN Rills, Albert. 3MN Ridgent. 3MN Ridgent. 3MT Ridgent. 3MN Ridgent. 3MT Ring, Albert. 3MN Ridgent. 3MN Ridgent. 3MN Ridgent. 3MN Ridgent. 3MT Ringham, Coolengent. 3MN Ridgent. 3MN Ridgent. 3MN Ridgent. 3MN Ridgent. 3MN Rid	3FM	Channell, John W.	STA	Preshrey Victor.		Markham, Lester M.
3FR Densten, E. Craig. 3FF Bisclotti, Bernard J. 3M Bisclotti, Bernard J. 3M Bisclotti, Bernard J. 3M Bisclotti, Bernard J. 3M Bisclotti, Bernard J. 3M Bisclotti, Bernard J. 3M Bisclotti, Bernard J. 3M Bisclotti, Bernard J. 3M Bisclotti, Bernard J. 3M Bisclotti, Bernard J. 3M Bisclotti, Bernard J. 3M Bisclotti, Bernard J. 3M Apfelbaum, Martin. 3MN Bisclotti, Bernard J. 3M Apfelbaum, Martin. 3MN Bisclotti, Bernard J. 3M Apfelbaum, Martin. 3MN Bisclotti, Bernard J. 3MP Apfelbaum, Francis C. 3MP Coche, E. Cliff 3MP Coche, Midgr, Albert L. 3MM Barnkard, Albert L. 4 K. 4 K. 4 K. 4 K. 4 K. 4 K. 4 K. 4 K	3FN	Deichmiller, Alvin.	3JB	Petit, Ernest L.	3MI	Nash, Clifford 8.
3FT Bisclotti, Bernard J. 3FV Edwards, Charles. 5FW Strailman, Gübert T. 3JF Devlin, John L. 3JF Apfelbaum, Martin. 3MN Rollins, Thom Brockman, Francis C. 3MO Bickel, E. Clif Cohen, Henry McCaskey, Edward R. 3MO Bickel, E. Clif McCaskey, Edward R. 3MO Bickel, E. Clif McCaskey, Edward R. 3MO Rollins, Thom Brockman, Francis C. 3MP McCaskey, Edward R. 3MO Rollins, Thom Brockman, Francis C. 3MP McCaskey, Edward R. 3MD McCaskey, Edward R. 3MD McCaskey, Edward R. 3MD McCaskey, Edward R. 3MD McCaskey, Francis S. 3MT Barnhart, La. 3MR Mandelkern, M	3FQ	Clark, William R.	3JC	Ault, Arthur K.	3 M J	Megowen, Horace L.
3FV Bescott, Bernard J. 3FE Edwards, Charles. 3 JF Edwards, Charles E. 3 JF Devlin, John L. 3JF Apfelbaum, Martin. 3MN Rollins, Thomas F. 3MO Bickel, E. Clif Schmabel, Stanley F. 3MP McCaskey, Edward R. 5MP McCaskey, Edwar	3FR	Densten, E. Craig.	3JD	Wolcott, Roger G.		Griscom, Samuel B.
Sener, Charles E., Jr. 3GE Nadig, Stanton E. 3GF Bryce, Stanley C. 3GG Moor, Percy W. 3GI Pelham, Fred B. 3JR Seekley, Francis S. 3MR Barnhart, La Smow, Harold A. Seekley, Francis S. 3MV Gardner, Will Beekley, Francis S. 3MV Gardner, Will Beekley, Francis S. 3MV Gardner, Will Gardner, J. A. 3MV Gardner, Will Barnhart, La Gardner, J. A. 3MV Gardner, Will Gardner, J. A. 3MV Gardner, Will Gardner, J. A. 3MV Gardner, Will Gardner, J. A. 3MV Gardner, Will Ampson, George M. 3MV Hotaker, Lor Gardner, J. A. 3MV Gardner, Will Gardner, J. A. 3MV Gardner, Will Gardner, Will Gardner, Will Gardner, Will Ampson, George M. 3MV Hotaker, Lor Gardner, J. A. 3MV Gardner, Will Gardner, J. A. 3MV Hotaker, Lor Gardner, J. A. 3MV Hotaker, Lor Gardner, J. A. 3MV Gardner, Will Gardner, Will Gardner, Will Gardner, Will Gardner, Will Gardner, Will Gardner, Will Gardner, Will Gardner, Will Gardner, Will Gardner, Will Gardner, Will Gardner, Will Gardner, Will Gardner, Will Gardner, Will Gardner, Will Gardner, Will Gardner, J. A. 3MV Gordner, Will Gardner, J. A. 3MV Gordner, Lor Whitaker, Lor Gardner, J. A. 3MV Hotaker, Lor Gardne	3FT	Bisciotti, Bernard J.	3JE	Dickerson, E. Stuart,	3ML	Morris, Maynard C.
Sener, Charles E. jr. 3GE Saler, Charles E. jr. 3GE Sage Stanlor E. 3GF Shryce, Stanley C. 3GG Moor, Percy W. 3GI Pelham, Fred B. 3GJ Doughty, William R. 3GI Doughty, William R. 3GL Meek, Michael. 3JY Hampson, George M. 3GO Norcross, Earl L. 3GO Norcross, Earl L. 3GO Miller, Kelly. 3GR Wood, Richard M. 3GR Wood, Richard M. 3GS Morris, George M. 3GO Morris, George M. 3GO Morris, George M. 3GO Morris, George M. 3GO Morris, George M. 3GO Morris, George M. 3GO Morris, George M. 3GO Morris, George M. 3GO Morris, George M. 3GO Morris, George M. 3GO Morris, George M. 3GO Morris, George M. 3GO Morris, George M. 3GO Morris, George M. 3GO Morris, George M. 3GO Morris, George C. 3KA Smith, Norborne G. 3KA Smith, Norborne G. 3NB Frye, Marcus,	3FV	Edwards, Charles.	2110	Anfolhoum Mortin	3MM	Ring, Albert.
Sener, Charles E., jr. 3GE Nadig, Stanton E. 3GF Bryce, Stanley C. 3GG Moor, Percy W. 3GI Pelham, Fred B. 3JR Seekley, Francis S. 3MR Barnhart, La Smow, Harold A. Smowler, Haron, Smow, Miller, Landle, William, Hall A. Smow	3EA	Davlin John I.	31H	Brookman Francis C	3MN	Rickel E Clifton
Sener, Charles E., jr. 3GE Nadig, Stanton E. 3GF Bryce, Stanley C. 3GG Moor, Percy W. 3GI Pelham, Fred B. 3JR Seekley, Francis S. 3MR Barnhart, La Smow, Harold A. Smowler, Haron, Smow, Miller, Landle, William, Hall A. Smow	31.1		3JK	Schnable, Stanley E.		Cohen, Henry.
Sener, Charles E., jr. 3GE Nadig, Stanton E. 3GF Bryce, Stanley C. 3GG Moor, Percy W. 3GI Pelham, Fred B. 3JR Seekley, Francis S. 3MR Barnhart, La Smow, Harold A. Smowler, Haron, Smow, Miller, Landle, William, Hall A. Smow	3GA	Dietz, Fred.	3JL	McCaskey, Edward R.	3MQ	Ridgway, Augustin
3GE Nadig, Stanton E. 3JP Sowe, Charles R. 3MS Barnhart, L. 3GG Moor, Percy W. 3JS Snow, Harold A. 3MS Barnhart, L. 3GG Moor, Percy W. 3JS Snow, Harnold A. 3MT Gardner, William R. 3GL Moor, Percy W. 3JS Hampson, George M. 3MU Safty, William R. 3JV Hoagland, Donald. 3MV Holkaker, Loo Moor, Robert S. Gardner, J. A. 3MV Holkaker, Loo Moor, Robert S. 3MV Hongland, Donald. 3MV Holkaker, Loo Moor, Robert S. 3MV Hongland, Donald. 3MV Holkaker, Loo Moor, Robert S. 3MV Hongland, Donald. 3MV Holkaker, Loo Moor, Robert S. 3MV Hongland, Donald. 3MV Holkaker, Loo Moor, Robert S. 3MV Hongland, Donald.	3GB	Rohrich, George J.	3JN	Frankenfield, Albert		
3GE Bryce, Stanloy C. 3GG Moor, Percy W. 3GI Pelham, Fred B. 3GI Doughty, William R. 3GL Mck, Michael. 3JY Hampson, George M. 3GU Moor, Responder G. 3JY Gardner, J. A. 3MV Gardner, William R. 3JY Gardner, J. A. 3MV Harold S. 3MV Gardner, William R. 3JY Gardner, J. A. 3MV Hopkins, Miller, Kelly. 3JY Hampson, George M. 3JY Gardner, J. A. 3MV Whitaker, Lor Gardner, J. A. 3MV Bally William SMF Pechen, J. A. 3MV Bally William B. 3	3GD	Sener, Charles E., jr.			3MR	Mandelkern, Maurice.
ocation. Sign Norrors, Earl L. Sign Norrors, Alfred C. Sign Miller, Kelly. Sign Moor, Richard M. Sign Morris, George M. Sign Norris, George A. Sign Norris, Green, Anthony J. Sign Norris (Ric	3GE	Nadig, Stanton E.	31 P	Rowe, Charles R.	3M8	Barnnart, Lawrence
ocation. Sign Norrors, Earl L. Sign Norrors, Alfred C. Sign Miller, Kelly. Sign Moor, Richard M. Sign Morris, George M. Sign Norris, George A. Sign Norris, Green, Anthony J. Sign Norris (Ric	300	Moor Parcy W	318	Rookley Francis 8	3MT	Gardner William
ocation. Sign Norrors, Earl L. Sign Norrors, Alfred C. Sign Miller, Kelly. Sign Moor, Richard M. Sign Morris, George M. Sign Norris, George A. Sign Norris, Green, Anthony J. Sign Norris (Ric		Pelbam, Fred B.	злт	Hampson, George M.	3MU	Baily, William J., ir.
Sago Norcross, Earl L. 3GP Hettinger, Alfred C. 3GQ Miller, Kelly. 3GR Wood, Richard M. 3GB Morris, George M. 3GU Hopkins, Robert E. 3GV Laber, Joseph M. 3GW Schaffer, Raymond C. H. 3GX Robinson, George C. 3KB Burbaker, John W. 3GY Swinney, Walter, jr. 3KH Don Bosco Institute. 3KH Don Bosco Institute. 3KH Don Bosco Institute. 3KH Wiseman, Luther B. 3KH Wiseman, Revard H. 3KH Wiseman, Revard H. 3KN Wiseman, Luther B. 3KN Burter, John W. 3KN Barri, Richard H. 3NN Wallen, Frand 3NN Wallen, Fra	3GJ	Doughty, William R.	3JU '	Fenimore, Robert 8.	3MV	Whitaker, Lorenzo D.
Sago Norcross, Earl L. 3GP Hettinger, Alfred C. 3GQ Miller, Kelly. 3GR Wood, Richard M. 3GB Morris, George M. 3GU Hopkins, Robert E. 3GV Laber, Joseph M. 3GW Schaffer, Raymond C. H. 3GX Robinson, George C. 3KB Burbaker, John W. 3GY Swinney, Walter, jr. 3KH Don Bosco Institute. 3KH Don Bosco Institute. 3KH Don Bosco Institute. 3KH Wiseman, Luther B. 3KH Wiseman, Revard H. 3KH Wiseman, Revard H. 3KN Wiseman, Luther B. 3KN Burter, John W. 3KN Barri, Richard H. 3NN Wallen, Frand 3NN Wallen, Fra	3G K	Troth, Raymond H.	3JV	Gardner, J. A.	3MW	Poalk, James L., jr.
Sago Norcross, Earl L. 3GP Hettinger, Alfred C. 3GQ Miller, Kelly. 3GR Wood, Richard M. 3GB Morris, George M. 3GU Hopkins, Robert E. 3GV Laber, Joseph M. 3GW Schaffer, Raymond C. H. 3GX Robinson, George C. 3KB Burbaker, John W. 3GY Swinney, Walter, jr. 3KH Don Bosco Institute. 3KH Don Bosco Institute. 3KH Don Bosco Institute. 3KH Wiseman, Luther B. 3KH Wiseman, Revard H. 3KH Wiseman, Revard H. 3KN Wiseman, Luther B. 3KN Burter, John W. 3KN Barri, Richard H. 3NN Wallen, Frand 3NN Wallen, Fra		Meck, Michael.	3J X	Hoagland, Donald.	3MY	Moyer, Edgar F.
3GO Norcross, Earl L. 3GP Hettinger, Alfred C. 3GQ Miller, Kelly. 3GR Wood, Richard M. 3GB Morris, George M. 3GU Hopkins, Robert E. 3GV Laber, Joseph M. 3GW Schaffer, Raymond C. H. 3GY Robinson, George C. 3GY Swinney, Walter, Jr. 3GZ Robinson, George C. 3GY Swinney, Walter, Jr. 3GZ Backe, Louis M., Jr. 3KL Molmann, George A. 3KL Molmann, George A. 3KL Molmann, George A. 3KL Molmann, George A. 3KL Molmann, George A. 3KL Molmann, George A. 3KL Wagner, William H. 3KM Green, Daniel J. 3KM Barr, Richard H. 3KM Barr, Richard H. 3KM Barr, Richard H. 3KM Barr, Richard H. 3KM Barr, Richard H. 3KM Barr, Richard H. 3KM Barr, Richard H. 3KM Barr, Richard H. 3KM Barr, Richard H. 3KM Barr, Richard H. 3KM Barr, Richard H. 3KM Barr, Richard J. 3ND Blefrieund, M. 3ND Godfrey, How Brewer, G. 3KR Anderson, Richard J. 3ND Mallen, Franc Skr. 3ND Mallen, Franc Skr. 3ND Molroy, August J. 3ND Molroy, August Jr. 3ND Molroy, August	3GN		317		3ML	Joury, Ray 5.
3GU Hopkins, Robert E. 3GV Laber, Joseph M. 3GV Bopkins, Robert E. 3KF Green, Anthony J. 3KG Green, Anthony J. 3KG Green, Anthony J. 3KG Green, Anthony J. 3KG Green, Anthony J. 3KG Green, Anthony J. 3KG Green, Anthony J. 3KG Green, Anthony J. 3KG Green, Anthony J. 3KG Green, Anthony J. 3KG Green, Anthony J. 3KG Green, Anthony J. 3KG Green, Anthony J. 3KG Green, Anthony J. 3KG Green, Anthony J. 3KG Green, Anthony J. 3KG Green, Anthony J. 3KG Burbaker, John B. 3KH Green, John B. 3KH Green, John B. 3KI Stanley, John B. 3KI Stanley, John B. 3KI Wagner, William H. 3KN Wagner, William H. 3KN Barr, Richard H. 3KN Barr, Richard H. 3KN Barr, Richard H. 3KN Barr, Richard H. 3KN Wallen, Fram 3KG Chalmers, Edwin L. 3KO Chalmers, Edwin L. 3KO Chalmers, Edwin L. 3KO Chalmers, Edwin L. 3KO Chalmers, Edwin L. 3KO Chalmers, Edwin L. 3KO Chalmers, Edwin L. 3KO Chalmers, Edwin L. 3KO State, Villiam B. 3KV Wexler, Bernard. 3NR Maul, Gilbert Anderson, Richard J. 3NR Melton, J. Car 3NH Stepp, John W. 3KG Green, Anthony J. 3NK Behm, L. 3NK Wallen, Fran 3NK Wallen, Fr	300	Norcross Earl L.	0.2	1	3NA	Zang, Joseph R., ir.
3GU Hopkins, Robert E. 3GV Laber, Joseph M. 3GV Bopkins, Robert E. 3KF Green, Anthony J. 3KG Green, Anthony J. 3KG Green, Anthony J. 3KG Green, Anthony J. 3KG Green, Anthony J. 3KG Green, Anthony J. 3KG Green, Anthony J. 3KG Green, Anthony J. 3KG Green, Anthony J. 3KG Green, Anthony J. 3KG Green, Anthony J. 3KG Green, Anthony J. 3KG Green, Anthony J. 3KG Green, Anthony J. 3KG Green, Anthony J. 3KG Green, Anthony J. 3KG Green, Anthony J. 3KG Burbaker, John B. 3KH Green, John B. 3KH Green, John B. 3KI Stanley, John B. 3KI Stanley, John B. 3KI Wagner, William H. 3KN Wagner, William H. 3KN Barr, Richard H. 3KN Barr, Richard H. 3KN Barr, Richard H. 3KN Barr, Richard H. 3KN Wallen, Fram 3KG Chalmers, Edwin L. 3KO Chalmers, Edwin L. 3KO Chalmers, Edwin L. 3KO Chalmers, Edwin L. 3KO Chalmers, Edwin L. 3KO Chalmers, Edwin L. 3KO Chalmers, Edwin L. 3KO Chalmers, Edwin L. 3KO State, Villiam B. 3KV Wexler, Bernard. 3NR Maul, Gilbert Anderson, Richard J. 3NR Melton, J. Car 3NH Stepp, John W. 3KG Green, Anthony J. 3NK Behm, L. 3NK Wallen, Fran 3NK Wallen, Fr	3GP	Hettinger, Alfred C.	3KA	Smith, Norborne G.	3NB	Frye, Marcus, jr.
3GU Hopkins, Robert E. 3GV Laber, Joseph M. 3GV Bopkins, Robert E. 3KF Green, Anthony J. 3KG Green, Anthony J. 3KG Green, Anthony J. 3KG Green, Anthony J. 3KG Green, Anthony J. 3KG Green, Anthony J. 3KG Green, Anthony J. 3KG Green, Anthony J. 3KG Green, Anthony J. 3KG Green, Anthony J. 3KG Green, Anthony J. 3KG Green, Anthony J. 3KG Green, Anthony J. 3KG Green, Anthony J. 3KG Green, Anthony J. 3KG Green, Anthony J. 3KG Green, Anthony J. 3KG Burbaker, John B. 3KH Green, John B. 3KH Green, John B. 3KI Stanley, John B. 3KI Stanley, John B. 3KI Wagner, William H. 3KN Wagner, William H. 3KN Barr, Richard H. 3KN Barr, Richard H. 3KN Barr, Richard H. 3KN Barr, Richard H. 3KN Wallen, Fram 3KG Chalmers, Edwin L. 3KO Chalmers, Edwin L. 3KO Chalmers, Edwin L. 3KO Chalmers, Edwin L. 3KO Chalmers, Edwin L. 3KO Chalmers, Edwin L. 3KO Chalmers, Edwin L. 3KO Chalmers, Edwin L. 3KO State, Villiam B. 3KV Wexler, Bernard. 3NR Maul, Gilbert Anderson, Richard J. 3NR Melton, J. Car 3NH Stepp, John W. 3KG Green, Anthony J. 3NK Behm, L. 3NK Wallen, Fran 3NK Wallen, Fr	3GQ	Miller, Kelly.	3KB	Goodall, Alfred B.	3NC	Dalling, Howard.
3GU Hopkins, Robert E. 3GV Laber, Joseph M. 3GV Bopkins, Robert E. 3KF Green, Anthony J. 3KG Green, Anthony J. 3KG Green, Anthony J. 3KG Green, Anthony J. 3KG Green, Anthony J. 3KG Green, Anthony J. 3KG Green, Anthony J. 3KG Green, Anthony J. 3KG Green, Anthony J. 3KG Green, Anthony J. 3KG Green, Anthony J. 3KG Green, Anthony J. 3KG Green, Anthony J. 3KG Green, Anthony J. 3KG Green, Anthony J. 3KG Green, Anthony J. 3KG Green, Anthony J. 3KG Burbaker, John B. 3KH Green, John B. 3KH Green, John B. 3KI Stanley, John B. 3KI Stanley, John B. 3KI Wagner, William H. 3KN Wagner, William H. 3KN Barr, Richard H. 3KN Barr, Richard H. 3KN Barr, Richard H. 3KN Barr, Richard H. 3KN Wallen, Fram 3KG Chalmers, Edwin L. 3KO Chalmers, Edwin L. 3KO Chalmers, Edwin L. 3KO Chalmers, Edwin L. 3KO Chalmers, Edwin L. 3KO Chalmers, Edwin L. 3KO Chalmers, Edwin L. 3KO Chalmers, Edwin L. 3KO State, Villiam B. 3KV Wexler, Bernard. 3NR Maul, Gilbert Anderson, Richard J. 3NR Melton, J. Car 3NH Stepp, John W. 3KG Green, Anthony J. 3NK Behm, L. 3NK Wallen, Fran 3NK Wallen, Fr		Wood, Richard M.	3KC	Flynn, Thomas F.	3ND	Hirst, Arthur C.
3GW Schaffer, Raymond C. H. 3KG Schaffer, Raymond C. H. 3KG Schaffer, Raymond C. H. 3KG Don Bosco Institute. 3KI Stanley, John S	3G8	Morris, George M.	3KD	Noel, James F.	3NE	Cooled William W
3KY C. H. 3KH Don Bosco Institute. 3KI Stanley, John S. 3KI Godfrey, How Serald. 3NL Behthall, Albert A. 3NL Bell, Albert A. 3NL Stall Stanley, John S. 3NL Stanley, John	30V	Laber Ioseph M	3 K F	Green Anthony J.	3NG	Rasar, Edward G.
GOX Robinson, George C. 3KI Stainley, John S	3GW	Schaffer. Raymond	3KG	Patterson, John E.	3NH	DEFILEMIO, MAX A.
3G X Robinson, George C. 3KI Stanley, John S. 3NJ Wicks, Presto 3GZ Backe, Louis M., jr. 3KL Hofmann, George A. 3NK Godfrey, How 3HA Wiseman, Luther B. 3KN Godfrey, How 3NL Haldeman, Ge 3HB Taylor, Sidney L. M. 3KO Gray, Gerald. 3NN Wallen, Franc 3HC Green, Daniel J. 3KP McKinley, Richard H. 3NO Mollen, Franc 3HF Weiss, Simon. 3KQ McKinley, Richard J. 3NQ Morley, Augus 3HG Smith, W. P. 3KR Anderson, Richard J. 3NN Parker, Joseph 3HI Stepp, John W. 3KT Elder, L. W. 3NY Parker, Joseph 3HI Bradley, Horace E. 3KU Reynolds, Edwin L. 3NV Roberts, Welton, Welton, Welton, J. Car 3HL Nielsen, Harald, ir. 3KW Killey, Gharles J. 3NV Robert, Welton, Welton, Welton, Welton, Welton, Melton, J. Car 3HP Schectz, George F. 3KZ Roberts, Harold A.		1 C H 1	3KH	Don Bosco Institute.	3NI	Bell, Albert A., jr.
3HA Wiseman, Luther B. 3KM Gray, Gerald. 3NM Wallen, Franc 3HB Taylor, Sidney L. M. 3KO Chalmers, Edwin L. 3NO Sleath, Rober 3HD Haake, William F. 3KP McKinley, Richard J. 3NO Morley, August Stepp, John W. P. 3KR Anderson, Richard J. 3NP Jones, La Fra 3NG Morley, August Stepp, John W. 3KR Anderson, Richard J. 3NN Mall, Gibert Anderson, Richard J. 3NN Mall, Gibert Anderson, Richard J. 3NN Mall, Gibert Anderson, Richard J. 3NN Mall, Gibert Anderson, Richard J. 3NN Parker, Joseph Maul, Gibert Anderson, Rich	3G.X	Robinson, George C.	3KI	Stanley, John 8.	3NJ	Wicks, Preston 8.
3HA Wiseman, Luther B. 3HB Taylor, Sidney L. M. 3HB Taylor, Sidney L. M. 3HC Green, Daniel J. 3HC Green, Daniel J. 3HC Green, Daniel J. 3HC Green, Daniel J. 3HC Shift, W. P. 3HF Weiss, Simon. 3HG Smith, W. P. 3HH Place, Samuel W. 3HI Stepp, John W. 3HI Stepp, John W. 3HI Stepp, Horace E. 3HU Bradley, Horace E. 3HU Reynolds, Edwin L. 3HV Reynolds, Edwin L. 3HV Reynolds, Edwin L. 3HV Reynolds, Edwin L. 3HV Reynolds, Edwin L. 3HV Reynolds, Edwin L. 3HV Reynolds, Edwin L. 3HV Reynolds, Edwin L. 3HV Reynolds, Edwin L. 3HV Reynolds, Edwin L. 3HV Reynolds, Edwin L. 3HV Reynolds, Edwin L. 3HV Reynolds, Edwin L. 3HV Reynolds, Edwin L. 3HV Reynolds, Edwin L. 3HV Reynolds, Edwin L. 3HV Reynolds, Edwin L. 3HV Reynolds, Edwin L. 3HV Reynolds, Edwin L. 3HV Roberts, Hardle A. 3HV Roberts, Roberts A. 3HV Roberts, Roberts A. 3HV Roberts, Hardle A. 3HV Roberts, Roberts A. 3HV Ro	3GY	Swinney, Walter, jr.	3KK	Holmann, George A.	3NK	Godfrey, Howard L.
3HC Green, Daniel J. 3HC McKinley, Richard S., jr. 3HD Haake, William F. 3HG Smith, W. P. 3HH Stopp, John W. 3HI Stepp, John W. 3HI Stepp, John W. 3HI Stokes, Josiah T. 3HU Stokes, Josiah T. 3HU Stokes, Harald, jr. 3HU Schuck, Leon H. 3HN Schuck, Leon H. 3HP Sheetz, George F. 3HC Roberts, Harald A. 3HC Roberts, Harold J. 3HC Roberts, Harold J. 3HC Roberts, Harold J. 3HC Roberts, Harold J. 3HC Roberts, Harold J. 3HC Roberts, Harold J. 3HC Roberts, Harold J. 3HC Roberts, Harold J. 3HC Roberts, Harold J. 3HC Roberts, Harold J. 3HC Roberts, Harold J. 3HC Roberts, Harold J. 3HC Roberts, Harold J. 3HC Roberts, Harold J. 3HC Roberts, Harold J. 3HC Roberts, Harold J. 3HC Roberts, Harold J. 3HC Roberts, Harold J	3G2	Backe, Louis M., Jr.	3KL	Cross Corold	SNL	Waldeman George F
3HC Green, Daniel J. 3HC McKinley, Richard S., jr. 3HD Haake, William F. 3HG Smith, W. P. 3HH Stopp, John W. 3HI Stepp, John W. 3HI Stepp, John W. 3HI Stokes, Josiah T. 3HU Stokes, Josiah T. 3HU Stokes, Harald, jr. 3HU Schuck, Leon H. 3HN Schuck, Leon H. 3HP Sheetz, George F. 3HC Roberts, Harald A. 3HC Roberts, Harold J. 3HC Roberts, Harold J. 3HC Roberts, Harold J. 3HC Roberts, Harold J. 3HC Roberts, Harold J. 3HC Roberts, Harold J. 3HC Roberts, Harold J. 3HC Roberts, Harold J. 3HC Roberts, Harold J. 3HC Roberts, Harold J. 3HC Roberts, Harold J. 3HC Roberts, Harold J. 3HC Roberts, Harold J. 3HC Roberts, Harold J. 3HC Roberts, Harold J. 3HC Roberts, Harold J. 3HC Roberts, Harold J. 3HC Roberts, Harold J	3H A	Wiseman Luther R	3KN	Rarr Richard H.	3NN	Wallen, Francis B.
3HH Place, Samuel W. 3HI Stepp, John W. 3HI Stepp, John W. 3HI Stepp, John W. 3HI Stope, Josha T. 3HK Stokes, Josiah T. 3HK Stokes, Josiah T. 3HN Schuck, Leon H. 3HN Schuck, Leon H. 3HP Sheetz, George F. 3HR Sheetz, George F. 3HR Sheetz, George F. 3HR Sheetz, George F. 3HR Sheetz, George F. 3HR Sheetz, George F. 3HR Sheetz, George F. 3HR Sheetz, George F. 3HR Sheetz, George S. 3LB Jddings, Frederick T. 3OB Kennedy, Ign 3DH Jenvy, Charles 3DH Jenv	3HB	Taylor, Sidney L. M.	3KO	Chalmers, Edwin L.	3NO	Sleath, Robert W.
3HH Place, Samuel W. 3HI Stepp, John W. 3HI Stepp, John W. 3HI Stepp, John W. 3HI Stope, Josha T. 3HK Stokes, Josiah T. 3HK Stokes, Josiah T. 3HN Schuck, Leon H. 3HN Schuck, Leon H. 3HP Sheetz, George F. 3HR Sheetz, George F. 3HR Sheetz, George F. 3HR Sheetz, George F. 3HR Sheetz, George F. 3HR Sheetz, George F. 3HR Sheetz, George F. 3HR Sheetz, George F. 3HR Sheetz, George S. 3LB Jddings, Frederick T. 3OB Kennedy, Ign 3DH Jenvy, Charles 3DH Jenv		Green, Daniel J.	3KP	McKinley, Richard	3NP	Jones, La Frantz.
3HH Place, Samuel W. 3HI Stepp, John W. 3HI Stepp, John W. 3HI Stepp, John W. 3HI Stepp, John W. 3HI Stepp, John W. 3HI Stepp, John W. 3HI Stepp, John W. 3HI Stepp, John W. 3HI Stepp, John W. 3HI Stepp, John W. 3HI Stepp, John W. 3HI Stepp, John W. 3HI Stepp, John W. 3HI Stepp, John W. 3HI Stepp, John W. 3KI Bernhart, William. 3NV Meltom, J. Car Ranft, William. 3NV Robery, V. C. 3NV Burke, Thom 3NX Heintzelman, 3NY Lutz, J. M. 3HI Sheetz, George F. 3HI Stepp, John W. 3KI Rephales, Levin, Davis. 3NY Lutz, J. M. 3HI Salkenberg, August 3LB Iddings, Frederick T. 3OB Kennedy, Ign 3D Hell Lenv.	3HD	Haake, William F.	1	8., jr.	3NO	Morley, Augustin H.
3HH Place, Samuel W. 3HI Stepp, John W. 3HI Stepp, John W. 3HI Stepp, John W. 3HI Stope, Josha T. 3HK Stokes, Josiah T. 3HK Stokes, Josiah T. 3HN Schuck, Leon H. 3HN Schuck, Leon H. 3HP Sheetz, George F. 3HR Sheetz, George F. 3HR Sheetz, George F. 3HR Sheetz, George F. 3HR Sheetz, George F. 3HR Sheetz, George F. 3HR Sheetz, George F. 3HR Sheetz, George F. 3HR Sheetz, George S. 3LB Jddings, Frederick T. 3OB Kennedy, Ign 3DH Jenvy, Charles 3DH Jenv		Weiss, Simon.	3KQ	Wexler, Bernard.	3NR	Maul, Gilbert E.
3HI Steply, June E. 3KU Reynolds, Edwin L. 3NV Rober, V. C. 3HK Stokes, Josiah T. 3KW Mehring, Charles J. 3NV Burke, Thom 3HN Schuck, Leon H. 3HZ Knight, G. Webber, Jr. 3NX Heintzelman, Jr. 3HP Sheetz, George F. 3KZ Roberts, Hardel A. 3NZ Branin, Manli 3HR Harmer, Robert H. 3HZ Roberts, Hardel A. 3LA Levin, Davis. 3OA Lentz, Arthur E. 3LC Jones, Winters. 3OB Kennedy, Ign 3LD Pisspi Sylvester 3OD Hall Lenv.	3HG	Smith, W. P.	3KR	Anderson, Richard J.	3NS	Malten I Corroll
3HP Sheetz, George F. 3HR Harmer, Robert H. 3HS Murray, Eugene M. 3HT Falkenberg, August E. 3LB Jones, Winters. 3LC Roberts, Harold A. 3NZ Brauin, Manli 3NZ Brauin, Manli 3HZ Roberts, Harold A. 3NZ Brauin, Manli 3HZ Roberts, Harold A. 3NZ Brauin, Manli 3HZ Roberts, Harold A. 3NZ Brauin, Manli 3HZ Roberts, Harold A. 3NZ Brauin, Manli 3HZ Roberts, Harold A. 3NZ Brauin, Manli 3HZ Roberts, Harold A. 3NZ Brauin, Manli 3HZ Roberts, Harold A. 3NZ Brauin, Manli 3HZ Roberts, Harold A. 3NZ Brauin, Manli 3HZ Roberts, Harold A. 3NZ Brauin, Manli 3HZ Roberts, Harold A. 3NZ Brauin, Manli 3HZ Roberts, Harold A. 3NZ Brauin, Manli 3HZ Roberts, Harold A. 3NZ Brauin, Manli		Stepp John W	3KT	Flder I. W	3NII	Ranft William O.
3HP Sheetz, George F. 3HR Harmer, Robert H. 3HS Murray, Eugene M. 3HT Falkenberg, August E. 3LB Jones, Winters. 3LC Roberts, Harold A. 3NZ Brauin, Manli 3NZ Brauin, Manli 3HZ Roberts, Harold A. 3NZ Brauin, Manli 3HZ Roberts, Harold A. 3NZ Brauin, Manli 3HZ Roberts, Harold A. 3NZ Brauin, Manli 3HZ Roberts, Harold A. 3NZ Brauin, Manli 3HZ Roberts, Harold A. 3NZ Brauin, Manli 3HZ Roberts, Harold A. 3NZ Brauin, Manli 3HZ Roberts, Harold A. 3NZ Brauin, Manli 3HZ Roberts, Harold A. 3NZ Brauin, Manli 3HZ Roberts, Harold A. 3NZ Brauin, Manli 3HZ Roberts, Harold A. 3NZ Brauin, Manli 3HZ Roberts, Harold A. 3NZ Brauin, Manli 3HZ Roberts, Harold A. 3NZ Brauin, Manli	3ĦJ	Bradley, Horace E.	3KU	Revnolds, Edwin L.	3NV	Robey, V. C. K.
3HP Sheetz, George F. 3HR Harmer, Robert H. 3HS Murray, Eugene M. 3HT Falkenberg, August E. 3LB Jones, Winters. 3LD Pisen Structure Support Superster Supers	3HK	Stokes, Josiah T.	3KW	Mehring, Charles J.	3NW	Burke, Thomas J.
3HP Sheetz, George F. 3HR Harmer, Robert H. 3HS Murray, Eugene M. 3HT Falkenberg, August E. 3LB Jones, Winters. 3LC Roberts, Harold A. 3NZ Brauin, Manli 3NZ Brauin, Manli 3HZ Roberts, Harold A. 3NZ Brauin, Manli 3HZ Roberts, Harold A. 3NZ Brauin, Manli 3HZ Roberts, Harold A. 3NZ Brauin, Manli 3HZ Roberts, Harold A. 3NZ Brauin, Manli 3HZ Roberts, Harold A. 3NZ Brauin, Manli 3HZ Roberts, Harold A. 3NZ Brauin, Manli 3HZ Roberts, Harold A. 3NZ Brauin, Manli 3HZ Roberts, Harold A. 3NZ Brauin, Manli 3HZ Roberts, Harold A. 3NZ Brauin, Manli 3HZ Roberts, Harold A. 3NZ Brauin, Manli 3HZ Roberts, Harold A. 3NZ Brauin, Manli 3HZ Roberts, Harold A. 3NZ Brauin, Manli	3HL	Nielsen, Harald, jr.	3KX	Knight, G. Webber,	3NX	Hemizeman, waiver
3HII Walton Browner G 3LD Pisani Sylvaster 3OD Hall Leroy.	3HN	Schuck, Leon H.	ATTE		3NY	Lutz, J. M.
3HII Walton Browner G 3LD Pisani Sylvaster 3OD Hall Leroy.		Harmar Robert H	3KZ	Roberts, Harold A.	3NZ	Dranin, Maniii L.
3HII Walton Browner G 3LD Pisani Sylvaster 3OD Hall Leroy.	3H8	Murray Eugene M	3T.A	Lavin Davis	30 A	Lentz, Arthur.
3HII Walton Browner G 3LD Pisani Sylvaster 3OD Hall Leroy.		Falkenberg. August	3LB	Iddings, Frederick T.	30B	Kennedy, Ignatius L.
3HU Walton, Brewer G. 3LD Pisani, Sylvester. 3OD Hall, Léroy. 3HV Leibhart, John H. 3LE Samaha, Frank. 3HW Bidwell, George L. 3LF Shreiner, Carl H. 3OF Talbot, George Talb			3LC	Jones, Winters.	3OC	Wegner, Arthur H.
3HV Leibhart, John H. 3LE Samaha, Frank. 3OE Mooney, John 3HW Bidwell, George L. 3LF Shreiner, Carl H. 3OF Talbot, Georg	3HU	Walton, Brewer G.	3LD	Pisani, Sylvester.	30D	Hall, Lerov.
SHY DATE Francis A 3LG INFORM LOSE TAILOR, GOOF TAILOR, GOOF	3HV	Leibhart, John H.	3LE	Samana, Frank.	3OE	Mooney, John, If.
	3HW	Didwell, George L.	3LF	Lyons Herry H	30F	Iones John W
3HZ Zabel, Roy. 3LH Welss, Leonard. 3OH Urian, J. D.	3HZ	Zabel, Rov.	31.H	Weiss, Leonard.	30H	Urian, J. D.

THIRD DISTRICT-Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
301	Lehmberg, Hedry. Barron, John H., jr. Paine, J. Persons, jr.	3RD	Dimling, Rudolph G.	3UA 3UB 3UD 3UE	Gilbert Harry P is
30J	Barron, John H., ir.	0	I A.	31'B	Gilbert, Harry P., jr Lamb, Roland H.
30K	Paine, J. Persons, ir.	3RE	Longaker A	31'D	Silvers, Frank II.
3OL	Grant, Arthur F.	3RF	Wallace William D	31.E	Lindauer Edgar
30 M	Mooney, John, ir.	3RH	Longaker, A. Wallace, William D. Kline, H. N. Gay.	3ÙF	Lindauer, Edgar. Howlett, Joseph T. F
3ON	Mooney, John, jr. Matos, Walter A.	3RI	Hodges, R. E. L.	3UG	Dearden, Rowland
300	Hindin, Louis N.	3RJ	Oppormany Blohand	300	D 24
30P	Fink Louis 3d	3RK	Mecaslin, Harry B. Phillips, John D. Ramsey, Howard N. Gravely, William T. Kirby, Elmer S. Haas, Jerome S. Roeller, Harold C.	21.11	R., 3d.
30Q	Fink, Louis, 3d. Welke, Paul L., jr.	3RM	Phillips John D	3UH 3UI 3UJ	Rivers, William L. George, John R.
30R	Walker Donald K	3KE	Pamps, John D.	301	George, John R.
308	Walker, Donald K.	3RN	Ramsey, Howard N.	3UK	Campbell, James D. Peyser, Philip S.
30T	Lafferty, Francis A. Faust, Elmer J.	3RO	Gravery, william T.	3 C K	Peyser, Philip S.
3OT 3OU	Schwering, Harry C.,	3RP	Kirby, Elmer B.	3UM	Durham, Edmund B
800		3RQ	Dealles House S.	3UN	Carpenter, C. Ell
3OV	Jr.	3RR	Roeller, Harold C. Yearley, Clifton K. Sheiry, Edward S. Hoff, J. Marshall.	4775	wood, jr. Cohan, William W.
30W	Jacoby, Arthur C. Patchel, Robert E.	3R8	Tearley, Chiton K.	3UR	Conan, William W.
30 W	Wick Arthur	3RT	Shelry, Edward S.	31. T	Cianfrani, Theodore.
30 X	Wick, Arthur.	3RU	110ff, J. Marshall.	3UV	Ross, John W.
30Z	Muller, Ralph H. Twine, Roy.	3RV	mechi-	3UW	Call, J. Richard.
302	I wille, Roy.		tock, jr.	3UZ	Braidwood, Thoma
2D 4	Cabitabetas P N F	3RW	Redgrave, deWitt C.		W.
3PA	Schlichting, E. N. E.	3RX	Buskey, Harvey L.		
3PB 3PD	Zorger, Daniel H., jr. Meyer, Emil J. Allen, John P.	3RX 3RY	Buskey, Harvey L. Turner, Morris C., jr.	3VA	Durham, Wilson N.
3PD 3PE	Allen John P	3RZ	Barrett, Montague W.	3VB	Butt, Harvey R.
SPE	Nuen, John P.			3VC	Rancetelli, Ernani.
3PF	Postpichal, Otto I.	38 A	Requa, Fred A.	3VE	Brenner, Samuel.
3PG	Dorsey, Arthur. Harris, Edwin R. Atlee, Franklin.	3SC	LCton, Albert F.	3VF	Tompkins, E. Ran
3PH	Harris, Edwin R.	38D	Cheltenham High		colpn.
3PI 3PJ	Atlee, Franklin.		School.	3VG	Applegate, Franklin
311	Harris, S. Sylvan. McGear, Herbert K.	38F	l'eter, Armistead, 3d.	3VII	Ancona, Fred.
3PK 3PL	McGear, Herbert K.	38G	Speakman, Edwin G.,	3VI	Egner. John.
	Ballentine, Charles S.		jr.	3VK	Griffith, Dorsey J.
3PN	l'emberton, Henry R.	3811	Kenvon, Walter R	3VL	Bernstein & Rosen
3PP	l'emberton, Henry R. Skinner, William H.	381	Williams, Harvey.		feld.
3PR	Hamburg, Russell. Creager, E. Clark. Smith, Hubert B.	38J	McIntosh, Howard	3VN 3VO	Ways, Clarence I.
3PT	Creager, E. Clark.	38K	McIntosh, Howard. Baxley, C. Herbert.	300	Schall, John R.
3PU	Smith, Hubert B.	38 L	Knoppel, Herman L.	3VP	Rothman, Charles.
3PV	Hiestand, Henjamin.	38N	Bourgeois, Edmund	3VQ	Uphoff, Frank B.
3PW	Philadelphia School	9014	R. Edilidid	3VŘ	McVicker, W. Pat
	of Wireless Teleg-	380	Bradshaw, R. B.	••••	ton.
	_mphy	38Q	Kupp, Clarence L.	3VU	Nikirk Thomas F
3PX	Howard, H. Trum-	38R	Anderson, John A.	3VV	Nikirk, Thomas E. Rose, Harold M.
	bull.	388	Brany, Emil B.	3VW	Uphoff, Frank B.
3PY 3PZ	Bergey, H. Leon. Griffith, Elmer G.	38T	Chappell, Ralph R.	3V Y	Flounders Newton
3PZ	Griffith, Elmer G.	38U	Seeley Alfred I	3VX 3VY	Flounders, Newton. Beresford, Rees H. Orlando, Frank.
	1	38V	Seeley, Alfred J. King, Charles E.	3VZ	Orlando Frank
3QA	Stevens, Lewis D.	38 W	Domond Inlian W	312	Ormando, France.
3QB	Derbyshire, Agnew	30 14	Barnard, Julian W. Gleske, Alfred W., jr.	3WC	Ort O V
	W.	38X	Remette Velson	3WD	Ort, O. V.
3QC	Lever, Haseltine 8.,	38Y	Barretta, Valroy S. Herndon, Landon C.	3WE	Moyer, Luke I.
] jr	3SZ	Merudon, Landon C.	3WF	Wohlford, John F.
3QD	Anderson, Frederick		Dines G Water	3WF	Huyler, Rollin M. Worley, Robert A.
-0-	J	3TA	Piper, S. Webster. Judson, Elbert B.	3WII	Desiraley Langer T
3QE	Long, P. H. Haig, James D. Landis, Harold O. Poole, G. D.	3TB	Judson, Elbert B.		Berkeley, Kenneth H Darnell, Henry, jr. Alden, John H.
3QF 3QG 3QI 3QK	Haig, James D.	3TC	Lanus, narry.	3WI	Alden Tobe III
3QG	Landis, Harold O.	3TD	Miller, Harry G.	3WJ	Channen Front
3QI	Poole, G. D.	3TE	Huyette, Paul B.	3WK	Shannon, Frank.
3QK		3TF	Thorborg, Martin E. Murphy, Clement H. Tabb, Vincent W.	3WL	Davis, Raymond. Cloman, William.
301	Tapley, Robert E. Varnes, Earl W. Atles, Charles B.	3TG	Murphy, Clement II.	3WM	Cloman, William.
3QM 3QN	Varnes, Earl W.	3TH	Tabb, Vincent W.	3WN	Gaty, John P.
3QN	Atlee, Charles B.	3TI	Nichols, Crawford V.	3WO	Goodwin, Harold F. Cox, T. Newell.
3QO	McCloskey, Leonard. Fulton, Harold E.	3TJ	Nichols, Crawford V. Edson, Howard D.	3WP	Cox, T. Newell.
30P	Fulton, Harold E.	3TK	Savage, Thomas A.	3WQ	Lower Marion High
3QQ	Cassady, Park H.	3TL	Savage, Thomas A. Bowes, Joseph J. Rash, Franklin L.		School.
3QQ 3QT	Cassady, Park H. Bayard, Arnold.	3TM	Rash, Franklin L.	3WR	Pyle, W. A. Faries.
3QŪ	Deichmann, George	3TP	Brittingham, Ottis B.	3WT	Young, Walter T.
•		3TQ	Andrews, Edward C.	3WU	Pyle, W. A. Faries. Young, Walter T. Kressel, Gordon.
3QV	L., jr. Hall, Robert 8.	3TR	Fell, David B.	3WV	Becker, Frank F. Keller, Paul A. Goebel, Eugene S. Basford, Robert F. Keller, Kenneth W.
3QW 3QX 3QY	Harsch, Lawrence P.	3T8	Mandeville, Francis	I 3WW	Keller, Paul A.
30X	Barrington, Roger W.		T.	3WX	Goebel, Eugene S.
30 Y	Stewart Electric Co.	3TU	McAnally, Charles C. Blanford, Irving.	3WY	Basford, Robert F.
3QZ	Service, Charles A., jr.	3TV	Blanford, Irving.	3WZ	Keller, Kenneth W.
-4.	,,,,,,,,,,,	3TW	Leslie, Malcolm C.		
3RA	Messinger, Miles N.	3TX	Leslie, Malcolm C. Philadelphia Turn-		•
3RB	Lewis, Ellis, jr.		gemeinde Club.		1
3RC	Fenton, Edward T.	3TY	Krone, Julian E.		
			1	1	1

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
4.4.37	American Debest D	OLO E. A. J GA. G b. G	Kw.
4AN	Agnew, Robert D	219 E. Anderson St., Savannah, Ga	0.
4CU 4CB	Allston William F	8 Colonial St. Charlecton S. C.	:
4CZ	Allston, William F Ashley, Robert C Atkins, Charles A Avant, Marion C	219 E. Anderson St., Savannah, Ga. St. Petersburg, Fla. 8 Colonial St., Charleston, S. C. 738 4th Ave., N., St. Petersburg, Fla. 27 Candler St., Atlanta, Ga 806 N. 4th St., Wilmington, N. C. 203 St. Andrews St., Dothan, Ala. 50 Whiteford Ave., Atlanta, Ga. 803 W. Monroe St., Jacksonville, Fla. 534 5th St. N., St. Petersburg, Fla. 1304 Myrtle Ave., Jacksonville, Fla. 343 Rowland Court, St. Petersburg, Fla. 545 E. Petersburg, Fla. 551 Eptersburg, Fla. 552 Eptersburg, Fla. 553 Eptersburg, Fla. 554 Eptersburg, Fla.	1.
4DJ	Atkins, Charles A	27 Candler St. Atlanta, Ga.	1
4BA	A vant, Marion C	806 N. 4th St., Wilmington, N. C	
4BZ		203 St. Andrews St., Dothan, Ala	
4DX	Benning, Broughton W Blankenship, Elliott E	50 Whiteford Ave., Atlanta, Ga	
4CQ 4DR	Blankenship, Elliott E	803 W. Monroe St., Jacksonville, Fla	
4DR	Brantley, Lewis B. Breck, Charles. Breden, Henry W. Bryan, E. Harry. Buck, C. Howard. Carr, John M.	534 5th St. N., St. Petersburg, Fla	
4CX 4CC	Breden Henry W	1304 Myretla Ava Tanksonvilla Fla	1.
4BO	Bryan, E. Harry	343 Rowland Court. St. Petersburg. Fla	1
4BQ 4CS	Buck, C. Howard	St. Petersburg, Fla	
4CI	Carr, John M	821 1st Ave., N., St. Petersburg, Fla	
4DH	Church, Archie W	196 Chappel St., Atlanta, Ga	1.
4CK	Clodfelter, Charles W	41 S. Pleasant St., Winston-Salem, N. C	1.
4DU	Coloney, Paul R	1404 Braden St., Bradentown, Fla	
4DT	Cole, Edwin A	75 44b A and N. Ct. Petersburg Flo.	
4CE 4CY	Conn, Albert L	717 S Edicon St. Tenersburg, Fla	
4BN	Cooper, Frank P. Cross, K. E.	Port Tampa Fla	
4BF		1440 13th St., Miami, Fla	
4AE	Davis, Loren V de Vore, Ross Allen Dohbins, Walter E Dunk, Thomas R.	343 Rowland Court, St. Petersburg, Fla. 8t. Petersburg, Fla. 821 Ist Ave., N., St. Petersburg, Fla. 196 Chappel St., Atlanta, Ga. 41 S. Pleasant St., Winston-Salem, N. C. 1404 Braden St., Bradentown, Fla. 806 South Dakota St., Tampa, Fla. 75 4th Ave., N., St. Petersburg, Fla. 717 S. Edison St., Tampa, Fla. 177 S. Edison St., Tampa, Fla. 10th Tampa, Fla. 10th Tampa, Fla. 10th Tampa, Fla. 10th Tampa, Fla. 10th Tampa, Fla. 21 Dessie St., Atlanta, Ga. 230 Ponce de Leon Ave., Atlanta, Ga. 1424 Laura St., Jacksonville, Fla. 32 Prospect Pl., Atlanta, Ga.	
4AM	de Vore, Ross Allen	10 Essie St., Atlanta, Ga	
4ED	Dobbins, Walter E	230 Ponce de Leon Ave., Atlanta, Ga	1
4AZ	Dunk, Thomas R	1424 Laura St., Jacksonville, Fla	1.
4DS	Edwards, W. Lerov	32 Prospect Pl., Atlanta, Ga 227 5th St., S., St. Petersburg, Fla Oxford, Ga 87 Mary St., Waycross, Ga Nazareth, N. C	
4CD 4DD	Elston, Esmond B Emory University	Oxford Go	1
4CN	Falks, Robert L	87 Mary St. Waveross Ga	-
4EB	Farrey, Owen J.	Nazareth N.C.	
4AJ	Farrey, Owen J	Honea Path, S. C	1.
4DL	Flowers, Robert B	296 Rawson St., Atlanta, Ga	
4DA	Fogarty, John J French, William A., 3d	Nazareth, N. C. Honea Path, S. C. 296 Rawson St., Atlanta, Ga. 707 Azeele St., Tampa, Fla. 107 S. 4th St., Wilmington, N. C. 22 Ormewood Ave., Atlanta, Ga. 403 E. Bolton St., Savannah, Ga. Palmer College, De Funiak Springs, Fla. 298 Highland Ave., Atlanta, Ga. 687 N. Boulevard, Atlanta, Ga. 209 W. Gordon St., Savannah, Ga. 14 Richmond Ave., Atlanta, Ga.	1.
4CM	French, William A., 3d	107 8. 4th St., Wilmington, N. C.	
4DM	Gerlach, William A., 3d. Gerlach, Harry J. Gibson, Isaac A., jr. Gordon, Clarence M. Guimaraes, Abilio S. Hall, Marvin S. Lamitton George H.	402 F Bolton St Sovennoh Go	1.
AAT AAX	Gordon Clarence M	Palmer College De Funiak Springs Fla	1
4CP	Guimaraes, Abilio S	298 Highland Ave., Atlanta, Ga.	1
4CP 4AT	Hall, Marvin S	687 N. Boulevard, Atlanta, Ga	
4BR	Hamilton, George H Hawkins, Marion	209 W. Gordon St., Savannah, Ga	
4DG	Hawkins, Marion	14 Richmond Ave., Atlanta, Ga	1.
4DN	Hege, William C Henshaw, Howard	1007 Patterson Ave., Winston-Salem, N. C	1.
4B8	Henshaw, Howard	Miami, Fia	
4CG	Holtzclaw, Ralph C	Desetus Ge	
4CO 4EA	Howald, George A	7 8 4th St Wilmington N C	
4AF	Humphrey, Arthur L	1105 Market St., Wilmington, N. C.	
4BI	James, F. Leslie	211 Lee St., Tampa, Fla	
4DF	Huggins, William C Humphrey, Arthur L James, F. Leslie Johnstone, Henry P Keen, David W Keiger, J. Lee Kreis, Joseph W, jr Kruger, Charles E Leonard, Rudolph	106 S. Edison Ave., Tampa, Fla	
4CF	Keen, David W	1175th St., St. Petersburg, Fla	
4CR	Keiger, J. Lee	1140 Balsley St., Winston-Salem, N. C	
4BI	Kreis, Joseph W., Jr	11 Potes Ave. Virlanda, Ga	
AAL ABR	Looperd Budolph	200 W Gordon St Savennah Ga	
4DB	Lesley, John L.	114 Hyda Park Pl. Tampa. Fla.	
4EF	Linville, Roy R	646 13th St., Winston-Salem, N. C	
4A8	Linville, Roy R	1319 Barnard St., Savannah, Ga	
4AG	Marsh, William A	R. F. D. No. 1, Miami, Fla	
4BL	Matheson, Hugh M	Key Biscayne, Fla	
4AU 4CT	Marsh, William A Matheson, Hugh M Matheson, Hugh M McIlvaine, Victor C	687 N. Boulevard, Atlanta, Ga. 209 W. Gordon St., Savannah, Ga. 14 Richmond Ave., Atlanta, Ga. 1007 Patterson Ave., Winston-Salem, N. C. Miami, Fla. Roseland, Fla. Decatur, Ga. 7 S. 4th St., Wilmington, N. C. 1105 Market St., Wilmington, N. C. 121 Lee St., Tampa, Fla. 106 S. Edison Ave., Tampa, Fla. 117 5th St., St. Petersburg, Fla. 1140 Balsley St., Winston-Salem, N. C. 655 S. Pryor St., Atlanta, Ga. 11 Bates Ave., Kirkwood, Ga. 209 W. Gordon St., Savannah, Ga. 114 Hyde Park Pl., Tampa, Fla. 646 13th St., Winston-Salem, N. C. 1319 Barnard St., Savannah, Ga. 119 Remard St., Savannah, Ga. R. F. D. No. 1, Miami, Fla. Key Biscayne, Fla. Coccoanut Grove, Fla. 208 Verne St., Tampa, Fla. 63 Mansfield St., Atlanta, Ga.	
4CT	McIIVaine, Victor C	62 Monefield St. Atlanta Co.	1.
4BO 4AB	Megee, Benjamin R	697 Margaret St Key West Fla	
4CL	Meltaer, Isador	College Park, Ga	
4DE	Moore, Thomas H., ir	321 N. Spring St., Pensacola, Fla	
4CJ	Morgan, Sidney S	1821 W. Broad St., Savannah, Ga	
4DV	Nelson, Wayne M	Kernersville, N. C	
4BW	Newell, William F	828 Flith Ave., N., St. Petersburg, Fla	1.
4DK	Patterson, Clifford F	627 Margaret St., Key West, Fia. College Park, Ga. 321 N. Spring St., Pensacola, Fla. 1821 W. Broad St., Savannah, Ga. Kernersville, N. C. 828 Fifth Ave., N., St. Petersburg, Fla. 508 Vine St., Atlanta, Ga. 419 Duval St., Jacksonville, Fla. 107 Gordon St., Valdosta, Ga.	1.
4DC	I Peer Emmitt E	419 Duval St., Jackson Ville, Fla	1. 1.

FOURTH DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS-Continued.

Call signal.	Owner of station.	Location of station.	
			Kω.
4AA	Pope, Wilbur B	197 Dearing St., Athens, Ga	1.0
4BT	Powell, Dwight E	715 E. Washington St., Orlando, Fla	. 5
4DY	Raffo, James H	Bay Shore Blvd., Tampa, Fla	
4AC	Rice, Elmer L	1702 E. Duval St., Jacksonville, Fla.	1.0
4DI	Rothrock, William 8	517 Ridge Ave., Winston-Salem, N. C.	1.0
4BV	Saeger, Raymond A	Ankona, Fla	
4AY	Sanders, Tye C	239 Woodward Ave., Atlanta, Ga	1.0
4BU	Santas, Vern F	156 N. 2d St., St. Petersburg, Fla	
4CA	Shahan, J. Hubert	315 W. 5th St., Rome, Ga	1.0
4EC	Shumate, John R., jr	600 Clay St., Thomasville, Gu	1.0
4BK	Simons, Mayrant	Summerville, S. C	
4CH	Smith, Ivy H	Covington, Ga	
440	8moot, Lloyd D	1443 Laura St., Jacksonville, Flu	1.0
4DO	Stalnaker, Leo	6th Ave. and 33d St., Tampa, Fla	
4DZ	Stone, Hestor A	Lockhart, Fla	
4EE	Stubbs, William P	109 E. Gwinnett St., Savannah, Ga	
4AR	Summers, C. H., fr	501 E. Main St., Gainesville, Fla	
4DW	Swinson, Alton H	Little River, Fla	
4DQ	Tabb, Vincent W	A. and M. College, West Raleigh, N. C.	1.0
4CW	Taft. Robert B	105 Rutledge Ave., Charleston, S. C	
4AD	Walker, James E	Milledgeville, Ga	1.0
4AW	Wall, Patrick H	258 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
4AG	West End Wireless Club		
4BP	Whitaker, A. Klein	210 Stanton St., Bradentown, Fla	
4AK	Whiting, Charles T	R. F. D. No. 6, Gainesville, Fla	1.0
4AP	Whittaker, Alan D., jr		1.0
4BH	Wikle, James R		
4BM	Williams, Emory C	Kirdwood, Ga	1.0

ALPHABETICALLY BY CALL SIGNALS.

4AD Walker, James E. 4BQ Bryan, E. H. 4DE Moore, Thoma Johnstone, Has Leonard, Rudolph. 4AF Humpbrey, Arthur L. 4BR Hamilton, Geo., and Leonard, Rudolph. 4DF 4DF Honstone, Has Leonard, Rudolph. 4DI Hawkins, Mar Church, A. W. 4DI Hawkins, Mar Church, A. W. 4DI Akkins, C. A. 4DI Akkinser, Alan D. 4DI Akkinser, Alan D.	Call gnal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
AAE	AA				4DD	Emory University.
AAF Humphrey, Arthur L. 4AG West End Wireless Club. 4AH Funk, Arthur. 4AI Gibson, Isaac A., ir. 4AM De Vore, Ross A. 4AN Agnew, Robert D. 4AP Whittaker, Alan D., jr. 4AQ Marsh, William A. 4AR Summers, C. H., ir. 4AS Marmelstein, Chas. A., dCB Barber, Edward D. 4AT Hall, M. Sheppard. 4AV Gordon, Clarence M. 4AX Gordon, Clarence M. 4AX Gordon, Clarence M. 4AX Gordon, Clarence M. 4AY Sanders, Tye C. 4BB A Avant, M. C. 4BC Franklin, William. 4CC Breden, Henry. 4CD Elston, E. B. 4CD Elston, E. B. 4CD Holtzclas, Ralph C. 4DR Brantley, Lew Brown, Walliam, A. 4CA Shahan, J. H. 4DP Warner, Georg Brantley, Lew				Bryan, E. H.		Moore, Thomas H., jr.
AG			45K			Johnstone, Harry.
Club. Funk, Arthur. Gibson, Isaac A., jr. AM De Vore, Ross A. AN Agnew, Robert D. AAP Whittaker, Alan D., jr. AAR Bummers, C. H., jr. AAR Bummers, C. H., jr. AAR Bummers, C. H., jr. AAR Bummers, C. H., jr. AAR Bummers, C. H., jr. AAR Bummers, C. H., jr. AAR Bummers, C. H., jr. AAR Bummers, C. H., jr. AAR Bummers, C. H., jr. AAR Bummers, C. H., jr. AAR Bummers, C. H., jr. AR Bummers, Verlam F. AR Bummers, Verlam F. AR Bummers, Verlam F. AR Bummers, Verlam F. AR Bummers, Verlam F. AR Bummers, Verlam F. AR Bummers, Verlam F. AR Bummers, Verlam F. AR Bummers, Verlam F. AR Bummers, Verlam F. AR Bummers, Verlam F. AR Bummers, Verlam F. AR Bummers, Verlam F. AR Bummers, Verlam F. AR Bummers, Verlam F. AR Bummers, Verlam F. AR Bummers, Verlam F. AR Bummers, Verlam F. AR Bummers, Verlam F. AR Bummers,		West End Windows	400	Hensherr H		
4AH Gibson, Isaac A., Jr. 4AN De Vore, Ross A. 4AN Agnew, Robert D. 4AP Whittaker, Alan D., Jr. 4AQ Marsh, William A. 4AR Summers, C. H., Jr. 4AB Marmelstein, Chas. A., Jr. 4CA Shahan, J. H. 4BB Avant, M. C. 4CH Sanders, Tye C. 4CH Sanders, Tye C. 4CH Sanders, Tye C. 4CH Shahan, J. H. 4CH Shahan, J. H. 4CH Shahan, J. H. 4CH Shahan, J. H. 4DQ Tabb, Vincent Brantley, Lew down down down down down down down dow	ռս					
AAI	A 107			Contac Vorne E		
AAM						
4AN Agnew, Robert D. 4AP Whittaker, Alan D., jr. 4AQ Marsh, William A. 4AR Summers, C. H., jr. 4AS Marmelstein, Chas. A., jr. 4AT Hall, M. Sheppard. 4AU Matheson, Hugh M. 4CF Keen, David. 4AX Sanders, Tye C. 4CB Keen, David. 4CC Warner, Georg Allston, William F. 4DQ Warner, Georg Albston, E. B. 4DB Edwards, Le J. 4DT Cole, E. A., jr. 4CC Smith, I. H. 4DT Cole, E. A., jr. 4CC Smith, I. H. 4DD Coloney, Paul 4DX Swinson, Hard 4DX Nelson, Waynson, Hard 4DX Swinson, Hard 4DX Benning, B. V 4DX Benni						Flores Pobert P
AAP				Herrog M A		Gorlach H I
Jr. AQ Marsh, William A. Summers, C. H jr. 4CB Allston, William F. 4DQ Warner, George Allston, William F. 4DQ Tabb, Vincent Jr. 4CD Breden, Henry. 4DR Brantley, Lew 4DR Edwards, Le I Elston, E. B. 4DB Edwards, Le I Elston, E. B. 4DV Coloney, Paul 4AX Gordon, Clarence M. 4CF Keen, David. 4DU Coloney, Paul 4AX Gordon, Clarence M. 4CH Smith, I. H. 4DV Nelson, Wayn 4AY Sanders, Tye C. 4CH Smith, I. H. 4DV Nelson, Wayn 4CH Smith, I. H. 4DV Nelson, Hard 4DV Nelson, Hard 4DV Nelson, Hard 4DV Nelson, Hard 4DV Nelson, Hard 4DV Nelson, Wayn 4DW Swinson, Hard 4DV Nelson, Wayn 4DW Nelson, Mayn 4DW Nelson, Mayn 4DW Nelson, Wayn 4DW Nelson, Wayn 4DW Nelso	AP			Berber Edward D		
AAQ	••		102	Date, Edward D.		Stainaker Brothers.
AAR Summers, C. H r. 4CB Allston, William F. 4DQ Tabb, Vincent 4AT 4AT Hall, M. Sheppard. 4CE Conn, Albert L. 4DT Coloner, Paul 4AX Gordon, Clarence M. 4CF Keen, David. 4DU Coloner, Paul 4AX Sanders, Tye C. 4CH Smith, I. H. 4DW Swinson, Hard 4AY Sanders, Tye C. 4CH Smith, I. H. 4DW Swinson, Hard 4CK Corr, J. M. 4DW Swinson, Hard 4CK Cooper, E. P. 4DZ Stone, Hector 4DX Smith, I. H. 4DW Swinson, Hard 4DW Swinson, Hard 4CK 4DW Swinson, Hard 4DW Swinson, Hard 4DW Swinson, Hard 4DW Swinson, Hard 4DW Swinson, Hard 4DW 4DW Swinson, Hard 4DW	AO I	Marsh, William A.	4CA	Shahan, J. H.		Warner, George C., ir.
AAS						Tabb. Vincent W.
Ir. Ir.				Breden, Henry.		
ATT				Elston, E. B.		Edwards, Le Roy.
AAV	KT	Hall, M. Sheppard.	4CE	Conn. Albert L.	4DT	Cole, E. A., jr.
4AX Sanders, Tye C. 4CH Smitth, I. H. 4DW Swinson, Hagra AV Sanders, Tye C. 4CH Smitth, I. H. 4DW Swinson, Hagra AV Sunders, Tye C. 4CH Smitth, I. H. 4DW Swinson, Hagra AV Sunders, Tye C. 4CH Smitth, I. H. 4DW Swinson, Hagra AV Sunders, I. M. 4DX Benning, B. V. 4DX Benning, B. V. 4DX Benning, B. V. 4DX Benning, B. V. 4DX Benning, B. V. 4DX Benning, B. V. 4DX Benning, B. V. 4DX Benning, B. V. 4DX Stone, Hector Folks, Robert L. 4DX Stone, Hector Folks, Robert L. 4DX Stone, Hector Benning, B. V. 4DX Benning, B. V. 4DX Benning, B. V. 4DX Benning, B. V. 4DX Benning, B. V. 4DX Stone, Hector Benning, B. V. 4DX Stone, Hector Benning, B. V. 4DX Stone, Hector Benning, B. V. 4DX B		Matheson, Hugh M.	4CF	Keen, David.		Coloney, Paul R.
4BA Avant, M. C. 4CI Carr, J. M. 4DX Benning, B. V. 4BC Franklin, William. 4CL Merriam, F. F. 4DZ Stone, Hector BD Dane, Seymour. 4CW Taft, R. 4EA Huggins, Williams. 4CW Watkins, C. E. 4CX Breck, Charles. 4EB Farrey, Owen 4BI James, F. Leslie. 4CZ Ashley, Robert C. 4ED Dobbins, W. I. 4BK Simons, Mayrant. 4BL Matheson, Hugh M. 4DA Fogarty, John J. 4EF Stubbs, Willia RD.	AX			Holtzclas, Ralph C.		Nelson, Wayne M.
4BA Avant, M. C. 4BC Franklin, William. 4BD Pinkston. J. W., r. 4BF Dane, Seymour. 4BG Watkins, C. E. 4BH Wikle, James. 4BI James, F. Leslie. 4BK Simons, Mayrant. 4BK Simons, Mayrant. 4BL Matheson, Hugh M. 4DA Fogarty, John J. 4DY Raffo, James. 4DV Raffo, Raffo, James. 4DV Raffo, James. 4DV Raffo, Raffo, James. 4DV Raffo, Raffo, Jame	AY	Sanders, Tye C.				Swinson, Harold.
ABC						Benning, B. W.
4BD Pinkston. J. W., fr. 4CN Folks, Robert L. 4EA Huggins, Willington, Willing				Clodfelter, C. U.		
4BF Dane, Seymour. 4CW Taft, R. 4EA Huggins, Will 4BG Watkins, C. E. 4CX Breck, Charles. 4EB 4EB Farrey, Owen 4BI James, F. Leslie. 4CZ Ashley, Robert C. 4ED Dobbins, W. I 4BK Simons, Mayrant. 4DA Fogarty, John J. 4EF Linville, Roy.					4DZ	Stone, Hector A.
4BG Watkins, C. E. 4BH Wikle, James. 4BI James, F. Leslie. 4BI Simons, Mayrant. 4BL Simons, Mayrant. 4BL Matheson, Hugh M. 4DA Fogarty, John J. 4EB Farřey, Owen 4EC Shumate, J. R. 4ED Dobbins, W. I. 4ED Stubbs, Willia						
4BH Wikle, Jámes. 4BI James, F. Leslie. 4BI James, F. Leslie. 4CZ Ashley, Robert C. 4ED Dobbins, W. 1 4BK Simons, Mayrant. 4BL Matheson, Hugh M. 4DA Fogarty, John J. 4EC Shumáte, J. R 4ED Dobbins, W. 1 4EE Stubbs, Willia						Huggins, William C.
4BI James, F. Leslie. 4CZ Ashley, Robert C. 4ED Dobbins, W. I 4BK Simons, Mayrant. 4DA Fogarty, John J. 4EF Linville, Roy.						
4BK Simons, Mayrant. 4BL Matheson, Hugh M. 4DA Fogarty, John J. 4EE Stubbs, Willia						
4BL Matheson, Hugh M. 4DA Fogarty, John J. 4EF Linville, Roy.			4CZ	Asmey, Robert C.		Dobbius, W. E., Jr.
	48		4704	Formeter Tohn T		
		Williams, Emory C.	4DB	Lesley, J. Livingston.	16.6	Lanvine, Roy.
4BO Megee, B. R. 4DC Peer, Emmitt E.						1

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
			Kw.
5AC	Agricultural and Mechanical College of Texas.	College Station, Tex	0.
5DX	Ancell Tom B	927 N. Marsalis Ave., Dallas, Tex	1.
5DX 5DH	Andress, Max	735 N. Robinson St., Cleburne, Tex	
5EH	Ansley, Hewlette L	1428 N. 12th Ave., Birmingham, Ala	1
5AJ	Antony, Willie E	1908 Laurel St., Shreveport, La	1.
5BD 5ED	Asdorin, Levon	5 Courtlandt Pl. Houston Tox	1
5EF	Autry, James L., jr	507 N. 1st St., Temple, Tex. 327 S. Parkway, Memphis, Tenn. St. Paul's College, Covington, La.	
5DG	Barr, Charles S	327 S. Parkway, Memphis, Tenn	1
5EQ	Barre, Martin	St. Paul's College, Covington, La	
5C8	Barre, Martin	Orange, Tex 1012 Kerlerec St., New Orleans, La. 217 E. Commerce St., Altus, Okla. 1212 Prairie Ave., Houston, Tex. 1472 N. Rocheblave St., New Orleans, La. Las Cruces, N. Mex.	
5BF	Behre, Joseph C. Berger, Carl G. F. Bowling, James A. Breaux, Oscar W. Brooks, Junius B.	1012 Kerlerec St., New Orleans, La	
5AF 5CO	Bowling James A	1010 Proirie Ave. Houston Tax	
5DW	Breaux Oscar W	1472 N Rocheblave St. New Orleans, La.	
5DF	Brooks, Junius B.	Las Cruces, N. Mex	
5BW	Brown, Max T	1017 Cumbasland St. Tittle Book Ask	
5AM	Brownell, Harold S	Edgewood, Birmingham, Ala	
5BP	Brown, Max T Brownell, Harold S. Butcher, Cecil F. Caine, Irving D.	Edgewood, Birmingham, Ala	
5DR 5BQ	Campbell, Gregory D	Respille Tex	1
5EB	Carrie, Robert G	746 Herron St., Montgomery, Ala	
5CQ	Carrie, Robert G. Casey, Robert H. Churchill, Charles W.	Beeville, Tex	1
5CT	Churchill, Charles W	Caldwell, Tex	1
5BV	Clayton, John M	1301 Welch St., Little Rock, Ark.	1
5CR	Cochran, George D	2019 Clarendon Ave., Bessemer, Ala	
5DZ 5DK	Coleman Loss B	811 17th St. Temple Tex	1
5DN	Colling William A	328 Arabella St., New Orleans, La	
5CK	Cole, Harry B	524 Jackson St., Starkville, Miss	
5EJ	Craig, P. W. Craven, William M. Curtis, Ernest M.	206 S. 8th St., Pratt City, Ala	1
5AK	Craven, William M	1516 S. 12th Ave., Birmingham, Ala]
5BR	Curtis, Ernest M	746 Herron St., Montgomery, Ala. 606 N. Main St., Cleburne, Tex. 1301 Welch St., Little Rock, Ark. 1301 Welch St., Little Rock, Ark. 2019 Clarendon Ave., Bessemer, Ala. 1515 Linwood Blvd., Oklahoma City, Okla. 811 17th St., Temple, Tex. 328 Arabella St., New Orleans, La. 524 Jackson St., Starkville, Miss. 226 A. St. St., Starkville, Miss. 206 S. St. St., Starkville, Miss. 206 S. St. St., St., Starkville, Miss. 206 S. St. St., St., St., St., St., St., St	
5AU 5EM	Darwin, Tyler	5018 Laurel St. New Orleans, La	1
5BM	de Ben. Hubert E	1044 City Park Ave., New Orleans, La	
5AA	Dawty, Albert	535 Proctor St., Waco, Tex	
5CG	Dibble, George B	112 Martha St., Montgomery, Ala	
5DY	Downing, Roswell B	727 E. 6th St., Oklanoma City, Okla	
5BJ 5DU	Dye, Marvin M Emerson, Bennett	3730 Wandalkin St. Dallas. Tax	:
5DE	Ernest, Walter C., ir	119 St. Stevens Ave., Mobile, Ala	
5AT	Felsenthal, Sonnel J	303 Oak St., El Dorado, Ark	
5CL	Fitzgibbon, Rodger K	2002 Avenue P. Galveston, Tex	
5BO	Floyd, Preston M., jr	213 E. Blvd., Baton Rouge, La	
5DP	Fort, Fred A	1815 W. Gory St. Shrayanort I.a.	
5AH	Gillette, Jack	Purcell Okla	
5AQ	Goldstein, Henry R. Goodman, Louis N. Gray, W. Parker Greenlaw, Paul E.	1819 Octavia St., New Orleans, La	
5AB	Goodman, Louis N	300 E. Main St., Starkville, Miss	
5CJ_	Gray, W. Parker	15 W. 10th St., Oklahoma City, Okla	
δBB	Greenlaw, Paul E	Results Toy	1
5AY 5DI	Hanz Harry W	310 Bridge St. New Braunfels, Tex	
5DD	Harrell, David, ir	1010 Guadalupe St., Austin, Tex	0
5BI	Harrison, Jackson W	800 Highland Ave., Montgomery, Ala	1
5EN	Harrison, W. Mare	1003 Elgin Ave., Muskogee, Okla	
5CX	Holland, Jesse W	406 Granbury St., Cleburne, Tex	
5ER	Hudson Edward M	608 W 7th St Austin Tax	
5EG 5DV	Greenlaw, Paul E. Hall, Henry. Hanz, Harry W. Harrell, David, Jr. Harrison, Jackson W. Harrison, W. Mare Holland, Jesse W. Holmes, Wesley S. Hudson, Edward M. Hunt, Martin L. Johannsen, John, ir	Woodrow St., Dallas, Tex.	1
5AG	Johannsen, John, jr	Lafayette Ave and Miro St., New Orleans, La	
5EI	Johannsen, John, jr. Kelly, Paul R. King, William J.	310 Bridge St., New Braunfels, Tex. 1010 Guadalupe St., Austin, Tex. 800 Highland Ave., Montgomery, Ala. 1003 Elgin Ave., Muskogee, Okia. 406 Granbury St., Cleburne, Tex. 209 Gayoso St., New Orleans, La. 608 W. 7th St., Austin, Tex. Woodrow St., Dallas, Tex. Latayette Ave and Miro St., New Orleans, La. 3707 Junius St., Dallas, Tex. 462 Pine St., New Orleans, La. 18 Terrell St., Mobile, Ala.	
5CI	King, William J	462 Pine St., New Orleans, La	1
5CM		18 Terrell St., Mobile, Ala	
5AI 5EK	Jones, Burle R. Hirsh, Leon	18 Terreil St., Mobile, Ala	
5CZ	Leroy, Louis	Memphis, Tenn 1005 Rayner Ave., Memphis, Tenn Franklinton, La. 615 S. l'erry St., Montgomery, Ala.	
5BK	Leroy, Louis	1005 Rayner Ave., Memphis, Tenn	1

FIFTH DISTRICT-Continued.

ALPHABETICALLY BY OWNERS OF STATIONS.—Continued.

Call signal.	Owner of station.	Location of station.	
			Kic.
5BX	Martin, George W	209 S. Edgefield Ave., Dallas, Tex	1.0
6CV	Martin, Roy	100 W. Lampkin St., Starkville, Miss	
5EA	McDonnell, J. S., jr	3304 8th Ave., Little Rock, Ark	
5CI	Mckelvey, Walter G	807 Elgin St., Muskogee, Okla	
5B8	McLain, Robert M	250 Walker St., Huntsville, Ala	
SAO	Mercier, Walter H	1640 Carrollton Ave., New Orleans, La	
5AN	Milam, Monroe W	603 N. 4th St., Waco, Tex	
5CU	Miller, Harold L	1012 Government St., Mobile, Ala	
5DA	Mitchell, Erwin II	1012 Government St., Mobile, Ala	
5AR	Moore, J. Walter	317 Jackson Ave., El Dorado, Ark	1,0
5CP	Moore, Frank C	7509 St. Charles Ave., New Orleans, La	
5EO	Mottashed, Marvin II	3126 Lillian St., Shreveport, La	
5DL	Mount, Robert H	Pineville, La	
5BH	Nobe, Harold G	1010 0 1 to the Control of the Arts	
5CB	Nelson, Paul E	1012 S. 18th St., Fort Smith, Ark	1.
5BG 5CE	Parkes, Thomas L	4433 8. Rampart St., New Orleans, La.	
5DT	Preis, Robert J	2822 Turney Ave , Dallas, Tex	
5DM	Reeves, Ben	1001 Columbus Ave , Muskogee, Okla	:
5EC	Reymond, Dalton 8	442 N. Boulevard, Baton Rouge, La	:
5BC	Reynolds, Gordon l', jr	906 Arabella St., New O. leans, La	
5DJ	Richard, Charles L	1004 Government St., Mobile, Ala	
5AD	Rorshach, Harold E	619 North E St., Muskogoe, Okla	1.
5BY	Sams, Ernest E	508 Market St , Muskogee, Okla	
5DC	Sanders, W. Currey	674 Topeka St., Shreveport, La	
5BT	Selhy, Clarence M	1163 Locust St. Muskogee, Okla	
SAX	Simmons, Dorr R	3134 Lilian St., Shreveport, La	1.
SEI.	Smith, Leo II	3161 Fetzer St., Shreveport, La	
5AE	Snarr, Kenneth A	1200 8, 10th St., Fort Smith, Ark	
5AB	Steddom, A. Henry	1524 W. 9th St., Oklahoma City, Okla	1.
51)Q	Stanton, Roy	1002 Cedar St., Bonham, Tex	
5BU	Sweetman, Frank M	930 N. 11th St., Waco, Tex	
5AP	Thompson, Vance M	267 Pasadena PI, Memphis, Tenn.	
SAL	Tilley, Wesley II	303 E. 10th St., Austin, Tex	
5CD	Tisdel, William L	814 W. Okmulgee Ave., Muskogee, Okla	
5BE	Tonahill, Maurice	714 8, 8th St., Waco, Tex	
5BA	Toups, Roy N	1512 Ursuline St., New Orleans, La	
5BZ	Towle, Amos	203 S. Georgo Ave., Mobile, Ala	
5CW	Townsley, William L., Jr	35 8. Cooper St., Memphis, Tenn	
5CF	Uhalt, William J. and Jos-	5933 Constance St., New Orleans, Lu	
5CY	eph H. Ward, Robert P	233 Orchard St., Georgetown, Tex	1 1
5CA	Wilson, Harry T	898 Saxon Ave., Memphis, Tenn.	
5DO	Wolover, William H.	621 Eastside Blvd., Muskogee, Okla	
5D B	Wood, Ross	726 Speight St., Waco, Tex.	
5CN	Worner, Urban D	105? City Park Ave. New Orleans, La.	

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 Me-	5AV	Macke, William, jr.	5BQ	Campbell, Gregory.
	chanical College.	5AX	Simmons, Dorr R.	5B8	McLain, Robert M.
5AD	Rorschach, Harold C.	5AY	Hall, Henry.	5BT	Selby, Clarence M.
5AE	Snarr, Kenneth A.	5AZ	Dike, Ernest R.	5BV	Clayton, John M.
5AF	Berger, Carl G. F.		,	5BX	Martin, George W.
5AG	Johannsen, John, ir.	5BA	Toups, Ray N.	5BZ	Towle, Amos.
5AH	Gillette, Jack.	5BB	Greenlaw, Paul E.		, , , , , , , , , , , , , , , , , , , ,
5AI	Jones, Burle R.	5BC	Reynolds, Gordon P.,	5CB	Nelson, Paul E.
5AK	Craven, Wm. M.		l ir.	5CC	King, Wm. Julian.
5AL	Tilley, Wesley II.	5BE	Tonahill, Maurice.	5CE	Preis, Robert J.
5AM	Brownell, Harold 8.	6BF	Behre, Joseph C.	5CF	Uhalt, Wm. J.
5AN	Milam, Monroe W.	5BG	Parkes, Thos. L.	5CH	Hecker, Joseph L.
5AO	Mercier, Walter M.	5BH	Nebe, Harold G.	5CI	McKelvey, Walter G
5AP	Thompson, Vance M.	5BI	Harrison, Jackson W.	5CJ	Gray, W. Parker.
5AQ	Goldstein, Henry R.	5BJ	Dye, Marvin M.	5CK	Cox, Houston A.
5AR	Moore, J. Walter.	5BK	Leroy, Louis.	5CL	Fitzgibbon, Rodge
5A8	Goodman, Louis	5BL	Marks, George M.		K. ,
	Nathan.	5BM	De Ben, Hubert E.	5CN	Worner, Urban D.

FIFTH DISTRICT-Continued.

ALPHABETICALLY BY CALL SIGNALS-Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
5CO 5CP 5CR 5CR 5CS 5CU 5CW 5CY 5CV 5CZ 5DA 5DD 5DD 5DD 5DD 5DD	Bowling, James A. Ritker, Melvin. Cochran, Geo. D. Beauchamp, Fred. Churchill, Chas. Wm. Miller, Harold I. Townsley, William Lloyd, Jr. Holland, Jesse W. Ward, Robert P. Leroy, Louis. Mitchell, Erwin H. Wood, Ross. Sanders, William C. Harrel, David, Jr. Ernest, Walter C., Jr. Brooks, Junius B. Barr. Charles Sevier.	SDH SDI SDJ SDK SDDN SDDN SDO SDP SDQ SDR SDU SDV SDV SDW SDX SDX SDX	Andress, Max. Hanz, Harry W. Richard, Chas. Lee. Coleman, Jess B. Mount, Robert H. Reid, Kenneth M. Collins, Wm. A. Wolovwe, Wm. H. Geron, A. Blanchard. Stanton, Roy. Caine, Irving D. Reeves, Bem. Emerson, Bennett. Hunt, Martin L. Breaux, Oscar W. Ancell, Tom B. Downing, Roswell B. Cole, Harry B.	SEA SEC SEC SEC SECH SECH SECH SECH SECH SE	McDonnall, J. E., jr. Carrie, Robert G. Reymond, Dalton S. Autry, James, jr. Baker, Charles M. Hudson, Edward M. Ansley, H. L. Craig, P. W. Hirsh, Leon. Smith, Leo H. Dowty, Albert. Harrison, Wm. Mace Mottasbed, Marvin F. Fort, Fred A. Barre, Rev. Martin. Holmes, Wesley S.

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.
			Kw.
6CB	Abbott, Clare C	4728 S. Western Ave., Los Angeles, Cal	1.0
6RQ	Abrahamson, Ray	4220 California St., San Francisco, Cal	.5
60A	Adams, Eugene R	Mountain View, Cal	.5
6PF	Allen, Preston D	1410 West St., Oakland, Cal	1.0
60P	Altland, Comer P	662 Clayton St., San Francisco, Cal	.5
6A RC	Anderson, Andrew	25 Brazil St., San Francisco, Cal	.5
6CV	Anderson, Donald S. C	154 Texas St., Redlands, Cal	.5 .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	
6GA	Andrews, Gaylerd	4734 Shattuck Ave., Oakland, Cal	
6KY	Andrews, Harold S	2221 W. Jefferson St., Los Angeles, Cal	
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	
6UA	Asadoorian, Theodore N	1205 Garfield Ave Pasadena, Cal	
6AA	Aster, Alvin K	910 Chestnut St., Alameda, Cal	1.0
60 V	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	
6QX	Baird, Maxfield A	913 Main St., Corona, Cal	
6LR 6DV	Baker, Jesse E	2913 Lorina St., Berkeley, Cal	
6RB	Bales, Edward M	1006 N. Main St., Napa, Cal.	
6AO	Barbagelata, Russell	604 42d St., Oakland, Cal.	
	Bargar, Avery E	Lawndale, Cal.	
6QL 6PX	Barker, Waldo W	331 Lighthouse Ave., Pacific Grove, Cal.	
6TU	Barlow, Roy	4219 Morgan Ave., Los Angeles, Cal	
6FJ	Barnum, Coit L	384-B Capp St., San Francisco, Cal	
6ID	Barton, Harry	9034 Hillside Ave., Oakland, Cal	
6LB	Barton, Larry J		
6CB	Bascom, Carleton V	19 Crystal Springs Rd., San Mateo, Cal.	
6IB		1020 E. 27th St., Los Angeles, Cal	
6FG	Bauchou, Leon J Bauman, Warren C	Mayfield, Cal	
6EB	Bazzini, Emil M. H	New Castle, Cal.	
6AAP	Beal, Ira A	2734 Gough St., San Francisco, Cal	.5
6AJ	Bean, James	Campbell, Cal	.5
60N	Becker, Peter J	2700 Howard Dlad, Lee America Cal	.5
6NR	Belden, Marion		

RADIO STATIONS OF THE UNITED STATES.

AMATEUR RADIO STATIONS—Continued.

SIXTH DISTRICT-Coutinued.

Call signal.	Owner of station.	Location of station.	Powe
			Kw.
6VL	Bell, Oran M Benn, Julius A Bennett, Dudley W	453 Isabel St., Los Angeles, Cal	0
6AM	Benn, Julius A	921 Haight St., San Francisco, Cal	
6AAR	Bennett, Dudley W	Santa Cruz, Cal	
6VE	Beraldo, Dewey	Avalon Cal	
8WZ	Berniett, Dewey. Berringer, Hall. Bertin, Edwin Betterley, Jack A Bevitt, Edwin R	6 Arundel Rd., Burlingame, Cal	1.
BEW	Bertin, Edwin	917 Ave. A, Coronado, Cal	
BL	Betterley, Jack A	2500 Elm Ave., Long Beach, Cal	
BABM	Bevitt, Edwin R	3914 3d St., San Diego, Cal. R. F. D. No. 1, Whittier, Cal. Berkley, Cal. Colfax, Cal.	
8W.J	Bickel, John E Biddle, Charles J. Billhimer, Samuel J.	R. F. D. No. 1, Whittler, Cal	1.
BEF	Biddle, Charles J	Berkley, Cal	
BEE	Billhimer, Samuel J	Colfax, Cal	
nD	Binney, John	4050 Drighton Ave., Los Angeles, Cal	1.
BE	Birkeland, Andrew	22 Fairmount St., San Francisco, Cal	١,
VII	Blue, Vernice M	1400 W. 50th Ot. Los Angeles Col	1
SUD SVH SAAW	Bitz, Vernice M. Blackstone, Clifford M. Blauvelt, Frank E. Blodgett, Harry O. Boehne, Herbert L.	166 F. California St., Los Aligeles, Cal	
TG	Blodgett Harry O	1052 Repeable Ave. Los Angeles Cel	
IJ	Bookma Herbert I	1437 Ath St. Santa Monica Cal	1
BDA	Bolton Harold B	4300 Judah St. San Francisco Cal	
KC	Bolton, Herbert J	417 Park View St., Los Appeles Cal	
FY	Bonar, Perry	837 4th St., Santa Rosa, Cal.	
OH	Bolton, Harold B Bolton, Herbert J Bonar, Perry Bonham, Carlton I	R. F. D. No. 1. Linden, Cal.	
AH	Botts, James	22 Fairmount St., San Francisco, Cal. 825 W. 53d St., Los Angeles, Cal. 1606 W. 50th St., Los Angeles, Cal. 1606 W. 50th St., Los Angeles, Cal. 162 Sonsallo Ave., Los Angeles, Cal. 1837 Sonsallo Ave., Los Angeles, Cal. 1837 6th St., Santa Monica, Cal. 1830 Judah St., San Francisco, Cal. 1417 Park View St., Los Angeles, Cal. 837 4th St., Santa Rosa, Cal. R. F. D. No. I, Linden, Cal. 2644 23d Ave., Oakland, Cal. 2110 Estrella St., Los Angeles, Cal. 214 W. San Carlos St., San Jose, Cal. 222 Grand Blvd., San Mateo, Cal.	
NN	Bowen, Walter E	2110 Estrella St., Los Angeles, Cal	
AL	Brandis, Fred A	214 W. San Carlos St., San Jose, Cal	1
RA	Brandt, Robert L	322 Grand Blvd., 8an Mateo, Cal. 285 Mather St., Oakland, Cal. 1430 Vallejo St., 8an Francisco, Cal.	1
ND	Breck, F. Bon		1 1
KQ '	Brennan, Ralph P	1430 Vallejo St., San Francisco, Cal	
DP	Briare, William N., jr	Marine Barracks, Mare Island, Cal	
GR	Brown, Clarence C	1038 Balboa St., San Francisco, Cal	
WP	Brown, Norman C	Reno Power House, Reno, Nev	1
PZ	Brown, Robert L	"94 P St. Heavened Col	1
ASR V8	Brennan, Raiph P Briare, William N., jr Brown, Clarence C Brown, Norman C Brown, Robert L Browning, Samuel D Brundige, Lamont J. and Reginald B. Bulled (Plan W. jr	786 B St., Hayward, Cal	
RY		1655 10th St., San Diego, Cal. Lemon Grove, Cal. 109 Forest Ave., Pacific Grove, Cal. Centerville, Cal. 506 N. Philadelphia St., Anaheim, Cal. 427 Crane Ave. Turlock, Cal. 7 Lisbon St., San Francisco, Cal. 124 W. Hazel St., Inglewood, Cal. 169 High St., Santa Cruz, Cal. 2515 Derby St., Berkeley, Cal. Monte Cresta Ave. and Kelton Court, Oakland, Cal. 427 S. Hunter St., Stockton, Cal.	1
PC 80	Drambaugh Wassid 1	Lemon Grove, Cal	
80	Bunting, Howard 8	109 Forest Ave., Pacific Grove, Cal	1
BJ	Bunting, Howard 8 Bunting, Lawrence. Burgess, Charles W. Caldwell, Duncan K. Callero, Frank. Calvert, Paul P. Canfield, Carleton E. Cantelow, Elbridge M.	Centerville, Cal	
LZ	Burgess, Charles W	506 N. Philadelphia St., Ananeim, Cal	
DZ	Callera Frank	7 Links St. Com Francisco Col	
AFC	Calvert Poul P	124 W. Haral St. Inglawood Cal	1
CC	Candald Carlatan F	180 Wigh St. Sunta Ceus Cal	,
BT	Cantolow Elbeidge M	2515 Darhy St. Rorkeley Cal	
ĀĈ	Canowall Cabert E	Monte Cresta Ave. and Kelton Court. Oakland. Cal	
JQ	Carroll Lionel H	427 8. Hunter St., Stockton, Cal	
FM	Carroll, Russell W	354 Perry St., Oakland, Cal	
BD	Canfield, Carleton E. Cantelow, Elbridge M. Capewell, Cebert E. Carroll, Lionel H. Carroll, Russell W. Carter, E. Stewart. Carter, Kenneth L. Carter, Robert F. Castro, Morris. Chamberlain, George E.	Monte Cresta Ave. and Kelton Court, Oakland, Cal. 427 B. Hunter St., Stockton, Cal. 354 Perry St., Oakland, Cal. 1639 Formosa Ave., Los Angeles, Cal. 633 W. H St., Colton, Cal. 101 Ralston St., Reno, Nev 232 Lexington Ave., Rust, Cal.	
NM	Carter, Kenneth L	633 W. H St., Colton, Cal	1
NM	Carter, Robert F	101 Ralston St., Reno, Nev	
HE	Castro, Morris	232 Lexington Ave., Rust, Cal	
QJ			1
IE	Chambers, James. Chase, John H. Chase, Ralph N. Christenson, Howard Clark, Herbert Clark, James R. Clark, Jean H. Clark, John H. Clark, Paul U. Clements, Floyd P.	427 Bank St., San Francisco, Cal	
AP	Chase, John H	1.525 Lemon St., Kiverside, Cal	
QR	Chase, Raiph N	A. F. D. NO. 4, OBIUS ABS, USI	
TZ V M	Closk Hosper	578 18th St. ()akland Ca)	
CE	Clark Tames B	2318 Revent St. San Francisco Cal	
SB	Clark Joan H	1504 State St. San Diego, Cal	
JP	Clark, John H	316 E. 55th St., Los Angeles, Cal.	
AU	Clark, Paul U	898 S. 8th St., San Jose, Cal	
QF	Clements, Floyd P	407 N. Milton Ave., Whittier, Cal	
QE	Clewett, Heber II	1002 S. Reservoir St., Pomona, Cal	
RF	Closson, William	Orland, Cal	
MK	Coates, Walton L	3766 Chamcune Ave., East San Diego, Cal	
AAF	Collins, Wayne A	788 19th St., Oakland, Cal	
LC	Comins, Frank L	634 Balboa St., San Francisco, Cal	
CW	Cook, George W	208 27th St., Ogden, Utah	
OD	Cook, John A	3760 Chamcune Ave. East San Diego, Cai. 788 19th St., Oakland, Cai. 634 Balboa St., San Francisco, Cai. 208 27th St., Ogden, Utah. 1504 Locust St., Long Beach, Cai.	
L8	Cooksey, Clayborne D	1240 Birch St., Los Angeles, Cal	
DI	Cookson, Howard A	Sol 14th Ave., San Francisco, Cal	1
GE	Clark, Paul U Clements, Floyd P Clewett, Heber H Closson, William Coates, Walton L Collins, Wayne A Comins, Frank L Cook, George W Cook, John A Cooksey, Clayborne D Cookson, Howard A Corpe, G Cosby, Mark B Cosgrove, Clarence E Cowles, John	1346 Birch St., Long reach, cal. 1246 Birch St., Los Angeles, Cal. 361 14th Ave., San Francisco, Cal. El Monte, Cal. 356 Hobart Ave., Los Angeles, Cal.	
CL	COSDY, MBIK B	000 HUUMI LAVE., LUS AHgeies, Cal	
FF	Cocmova Claronos E	435 Hanover Avé., Oakland, Cal	

SIXTH DISTRICT—Continued.

Call signal.	Owner of station.	Location of station.	Power
			Kw.
6UP	Creswell, Frank, jr	831 W. 58th Pl., Los Angeles, Cal	0.
6QI 6AW	Crissman, Robert J	831 W. 58th Pl., Los Angeles, Cal	1.
6AW 6NJ	Cullen, Paul K Cunningham, Edward J		
6CF	Curtis, Burbank. Dalby, William. Dalton, Stuart P Dargitz, Jesse L Davidson, George A	519 E. 9th St., Long Beach, Cal	1.
KM	Dalby, William	2907 Hillegass Ave., Berkeley, Cal	1.
SQT SMO	Dargitz Jassa I	Near Agampo, Cal	1.
KN	Davidson, George A	Chula Vista, Cal.	i.
BDE	Davidson, George A. Davidson, James D. Davidson, Merritt T. Dawson, J. Percy. Day, Elwin C. Deardorf, Francis II Deardorf, Ralph W. Deetkin, Frederick I. De La Cruz, George. Diamond, Alfred. Diamond, Ray.	462 W. Grand Ave., Pomona, Cal	i.
BHY	Davidson Merritt T	1954 Hillcrest Rd., Hollywood, Cal	
SOI SU J	Dawson, J. Percy	763 Uakland Ave., Pasadena, Cal	:
FD	Deardorf, Francis H	Los Altos, Cal.	
RD	Deardorff, Ralph W	Los Altos, Cal	1.
FN	Deetkin, Frederick I	1535 6th St., Alameda, Cal	
A Q A D	De La Cruz, George	706 W. San Carlos St., San Jose, Cal.	
ĹK	Diamond, Ray	Piedmont Park, Oakland, Cal.	1.
KA HD	Dickey, Herbert A	122 Dracena Ave., Piedmont, Cal	1.
HД	Dicknow, Henry W	413 26th Ave., San Francisco, Cal	
KL RX	Diamond, Ray Dickey, Herbert A Dicknow, Henry W Diehl, Fred. Dieterich, Martin.	2015-A Sacramento St., San Francisco, Cal. Pledmont Park, Oakland, Cal. 122 Dracena Ave., Piedmont, Cal. 413 20th Ave., San Francisco, Cal. 438 Coleridge St., San Francisco, Cal. 430 E. 12th St., Los Angeles, Cal. 136 S. Griffin Ave., Los Angeles, Cal. 137 S. Norton Ave., Los Angeles, Cal. 724 N. Chester St., Pasadena, Cal. 1115 Cole St., San Francisco, Cal.	
TB		136 S. Griffin Ave. Los Angeles, Cal	
o K	Dillon, Lyle	317 S. Norton Ave., Los Angeles, Cal.	1.
OY	Dillon, Lyle. Dodson, Loyd O. Dogan, Kenneth. Dow. Clifford J. Dowling, Thomas L. Downs, Robert F. Drath, Walter J.	724 N. Chester St., Pasadena, Cal	
KE KRD	Dogan, Kenneth	1115 Cole St., San Francisco, Cal	1.
TD	Dowling Thomas L	1520 E. 17th St. Oakland, Cal.	1.
RG	Downs, Robert F	130 W. 1st St., San Diego, Cal.	
PO	Drath, Walter J	682 34th St., Oakland, Cal	
LQ DG	Duborg, George	845 Sierra St., Reno, Nev	
NK	Duncan Harold	131 W. Jefferson St., Los Angeles, Cal.	
NK KD	Dutton, Kingsley	6439 Robles Ave., Los Angeles, Cal	1.0
WX	Ebert, Howard W	455 Orchard St., San Jose, Cal.	
MU SN	Drath, Walter J. Duborg, George. Duffey, Guy H. Dunean, Harold. Dutton, Kingsley. Ebert, Howard W. Eddy, Myron F. Edwards, Lewis W. Eiferle, Chris. F. Emmerton, Alfred. Eriksen, Elwood C. Erler, Robert J.	1115 Cole St., San Francisco, Cal. Rye, Cal. 1520 E. 17th St., Oakland, Cal. 130 W. 1st St., San Diego, Cal. 845 Sierra St., Reno, Nev. 1622 W. 24th St., Los Angeles, Cal. 131 W. Jefferson St., Los Angeles, Cal. 132 W. Jefferson St., Los Angeles, Cal. 1455 Orchard St., San Jose, Cal. 1232 Alice St., Oakland, Cal. 908 Wilshire Blvd., Sawtgle, Cal. 3018 Boulevard Ave., Fruitville, Cal. 167 S. 4th St., Sawtelle, Cal. 158 Lisbon St., San Francisco, Cal. 114 Santa Clara St., Vallejo, Cal. 4326 S. Grand Ave., Los Angeles, Cal. Lemon Grove, Cal. Lemon Grove, Cal.	
EK	Eiferle Chris F	3018 Roulevard Ave. Fruitville Cal	1.0
ΓQ	Emmerton, Alfred	167 S. 4th St., Sawtelle, Cal	
ALC.	Eriksen, Elwood C	358 Lisbon St., San Francisco, Cal	
LM DL	Erler, Robert J Espe, Oliver E Evans, Charles C Evans, Herbert	1144 Santa Clara St., Vallejo, Cal	
ABO	Evans Charles C	4835 Idaho St., San Diego, Cal.	
AHE	Evans, Herbert	Lemon Grove, Cal.	
FI	Eveleth, Harlan A Everharty, Laurence	2805 Russell St., Berkeley, Cal. 254 N. Soto St., Los Angeles, Cal. 1368 20th Ave., San Francisco, Cal. 3624 2d Ave., Los Angeles, Cal.	
UY	Everharty, Laurence	254 N. Soto St., Los Angeles, Cal	
UY TH WH	Fabling Walter D	3624 2d Ave Los Angeles Cal	
GD	Fackrell, George O	Cooperstown, Cal	+ 1
ED	Farish, Edward P	1609 W. Lewis St., San Diego, Cal	
GF LT	Evernarty, Laurence Fabian, Ernest Fabing, Walter D Fackreli, George O Farish, Edward P Farmer, Gordon Farolita, Dominic A Farrell, Raymond Farwell, L Irvine	Cooperstown, Cal. 1609 W. Lewis St., San Diego, Cal. Burbank, Cal. 289 Chenery St., San Francisco, Cal. 2328 Pacific Ave., Alameda, Cal.	
TR	Farrell Raymond	2328 Pacific Ave Alameda Cal	1.0
IF.	Farrell, Raymond Farwell, I. Irving. Fassett, Lee Fenner, Paul R Ferrero, Henry D Ferrill, Herbert E Ferrill, William Fickas, Wilbur Finley, William E Fitzpatrick, Gerald H Flafe Philio F	2230 9th St., Berkeley, Cal.	
UV ET CO	Fassett, Lee	4326 Balboa St., San Francisco, Cal	
ET	Fenner, Paul R	1338 Masonic Ave., San Francisco, Cal	
BHV	Ferrill Herbert E	Rostonia Cal	
PP	Ferrill, William	El Cajon, Cal	
BZ	Fickas, Wilbur	1035 E. 1st St., Santa Ana, Cal	
QD MF	Finley, William E	441 S. 5th St., San Jose, Cal	
QH	Fleig Philip F	2012 Pold St., San Diego, Cal	
BPE	Flaig, Philip F Fleming, Robert P. Fonseca, Arthur. Ford, Walter B.	2328 Pacifió Avé, Alameda, Cal 2230 9th St., Berkeley, Cal. 2328 Balboa St., San Francisco, Cal. 1338 Masonic Ave., San Francisco, Cal. 1338 Masonic Ave., San Francisco, Cal. Bostonia, Cal. El Cajon, Cal. 1035 E. 1st St., Santa Ana, Cal. 441 S. 5th St., San Jose, Cal. 2012 Pold St., San Diego, Cal. 133 Mizpah Ave., San Francisco, Cal. 606 San Benito St., Los Angeles, Cal. 2610 Valdez St., Oakland, Cal. 1653 Arnold St., San Diego, Cal. 1734 Sonoma Ave., Berkeley, Cal. 630 Culver St., Orange, Cal.	100
SQ WF	Fonseca, Arthur	2610 Valdez St., Oakland, Cal	
WF	Ford, Walter B	3653 Arnold St., San Diego, Cal.	
BJF BFQ	Foster Harold M	630 Culver St., Orange, Cal	
OD	Foster, Lewis K.	3452 16th St., San Francisco, Cal.	1.0
FV BVG	Foulon, Fred	423} E. 29th St., Los Angeles, Cal	1.0
SVG	Ford, Walter B. Forsburg, Joe A. Foster, Harold M. Foster, Lewis K. Foulon, Fred. Fowler, L. Deane. Fowler, Francis B.	1027 6th St., Redlands, Cal	
SNQ SFK	Francis, Ernest R. Frank, Walter H. Fredrichson, Clarence J. Frizzi, William.	173 Sonoma Ave., Berkeley, Cal 630 Culver St., Orange, Cal. 3452 16th St., San Francisco, Cal. 423\fomale E. 29th St., Los Angeles, Cal. 1027 6th St., Redlands, Cal. Mountain View, Cal 465 18th St., San Diego, Cal. Rio Vista, Cal.	41
TTAT	Fradricheon Clarence I	Rio Victo Cal	
6HN 8FX			

SIXTH DISTRICT-Continued.

Call signal.	Owner of station.	Location of station.	Power
			Kw.
6SF	Fuller, Sidney	1718 8. Main St., Los Angeles, Cal	0.
6PI 6RM	Furman, Oliver G	5528 Echo St., Los Angeles, Cal	1.
ADI	Gabriel, Edward J	Lemon Grove, Cul	:
6PJ 6QU	Garrattson Oliver	911 Jane St. Los Angeles Cal	:
6RW	Garretson, Oliver. Garver, Oliver B. Gates, Howard C. Gerlach, Leonard J. Gibson, Walter L. Gilbert, Phillip H.	911 Jane St., Los Angeles, Cal	:
6UH	Gates, Howard C	Pomona, Cal Point Richmond, Cal 2324 Dennison St., East Onkland, Cal 387 W. 8th 8t., Pomona, Cal	1.
6NG	Gerlach, Leonard J	Point Richmond, Cal	1.
BU8	Gibson, Walter L	2324 Dennison St., East Oakland, Cal	1.
BAAG BQK	Cili Fred M	387 W. 8th 8t., Pomona, Cal. 2715 4th 8t., Ocean Park, Cal 517 N. Curtis Ave., Alhambra, Cal 19 Grigsby Court, Napa, Cal 404 B 8t., Eureka, Cal 560 D 8t., San Rafael, Cal 486 E. 49th 8t., Los Angeles, Cal 8tevens Creek Rd., 8an Jose, Cal 221 E. Anderson 8t., Stockton, Cal 317 E. 49th 8t., Los Angeles, Cal 313 Lighthouse Ave., Monterey, Cal 516 W. San Carlos St., Ban Jose, Cal 554 5th 8t., San Dlego, Cal	1.
BAAH	Gill, Fred M Gilstrap, L. Frederick Godwin, Merle H	517 N Curtis Ave Albambra Cal	1.
8BM	Godwin, Merle H	19 Grigsby Court, Napa, Cal	
BVC	Gottwald, Eugene A	404 8 St., Eureka, Cal	
BNC	Gould, William 8	560 D St., San Rafael, Cal	
BG	Grates, John. Gray, Clifford L	486 E. 49th St., Los Angeles, Cal	
BLP	Green Alfred	221 F. Anderson St. Stockton Cal.	:
BAAK	Green, Alfred	317 E. 49th St., Los Angeles, Cal	1.
BGC	Greene, Harry A	313 Lighthouse Ave., Monterey, Cal	1.
BAR	Greenquist, Elmer A	516 W. San Carlos St., San Jose, Cul	
BME	Gregory, MarshallGriffin, Ellis J	554 5th St., San Diego, Cal	
BAEG	Griffin, Ellis J		:
BIA	Griffiths Walter M	1022 let St. Nana Cal	1.
BDH	Grimes, W. Frank	103 N. Pasadena Ave., Pasadena, Cal.,	1.
GN	Grossnickie, Russell R	Lordsburg, Cal.	
BGN BIK	Griffiths, Walter M. Grimes, W. Frank. Grossnickie, Russell R. Grotzinger, Clarence E.	1022 1st St., Napa, Cal	
BTL	Grow, Frank	232 Lake Shore Ter., Los Angeles, Cal	1.
DN	Guidotti, William F	745 W. Ban Fernando St., Ban Jose, Cal	
PU PM	Grow, Frank. Guidotti, William F. Hamilton, Howard B. Hamilton, Otto J. Hanchett, Robert J. Hankins, Marvin J.	1218 N. 6th St., Redlands, Cal	:
BRI	Hanchett, Robert J	Nestor, Cal.	
BKV	Hankins, Marvin J	448 6th St., San Pedro, Cal	
BHX	Hare, Robert J	1238 W. 38th St., Los Angeles, Cal	
STZ	Harmon, Orville A Harris, Howard D Hart, Cedric E	Nestor, Cal. 448 6th 8t., San Pedro, Cal. 1238 W. 38th 8t., Los Angeles, Cal. 1274 23th Ave., Oakland, Cal. 126den High School, Ogdon, Utah. 128 6th Ave. Schles (Str. Utah.	
BAJA	Harris, Howard D	718 8th Ave. Salt Loke City Litch	1.
BHG	Hart, Cedrio F. Hart, Courtenay E. Harty, Courtenay E. Haskell, Charles G. Hawley, George N. Hayden, Gordon L. Hayden, Jack Hazleton, Ralph L. Heald's Business College.	Orden High School, Ugden, Utan. 718 6th Ave, Salt Lake City, Utah. 3785 Albatross St., San Diego, Cal. 5167 S. Wilton Pl., Los Angeles, Cal. 128 W. 30th Ave., Los Angeles, Cal. 127 Cypress Ave., Los Angeles, Cal. 1456 C St., Eureka, Cal. 246 N. 22d Ave., Los Angeles, Cal. 51 Pryce St., Santa Cruz, Cal.	1
CG LD	Harty, Courtenay E	5167 8, Wilton Pl., Los Angeles, Cal	
BLD	Haskell, Charles G	128 W. 30th Ave., Los Angeles, Cal	
OU	Hawley, George N	1257 Cypress Ave., Los Angeles, Cal	
GK JO	Hayden, Gordon L	216 N 22d Ave. Los Angeles Cel	
H	Harlaton Rainh L.	51 Pryca St. Santa Cruz, Cal.	
UK	Heald's Business College	51 Pryce 8t., Santa Cruz, Cal. 8an Francisco, Cal. 374 22d Ave., 8an Francisco, Cal. 134 Marsh Ave., Reno, Nev 115 Hermina 8t., Anaheim, Cal. 1230 W. 49th 8t., Los Angeles, Cal. 343 N. Comstock Ave., Whittler, Cal. 1407 Vermont 8t., 8an Francisco, Cal. 2214 F. Damon 8t. Los Angeles, Cal.	
BAAC	Heand's Districts of the Heand's Charles of Heand's Heart Alphonsus A., jr. Heitshusen, Dick. Hellikson, Vivian L. Helmer, Glonn.	374 22d Ave., San Francisco, Cal	
AT	Heer, Alphonsus A., jr	134 Marsh Ave., Reno, Nev	
DB ABC	Heitshusen, Dick	115 Hermina St., Anaheim, Cal	1.
UI	Helmer Clenn	343 N Comstock Ave Whittier Cal	1
BAAB		1407 Vermont St., San Francisco, Cal	1.
CN BPV	Hendrix, Charles F	2214 E. Damon St., Los Angeles, Cal	
PV	Hendrix, Charles F	1407 Vermont 8t., 8an Francisco, Cal. 2214 E. Damon 8t., Los Angeles, Cal. 1408 47th Ave., 8an Francisco, Cal. 554 11th Ave., 8an Francisco, Cal. 2007 W. 29th 8t., Los Angeles, Cal. 735 19th 8t., 8an Diego, Cal. 156 Bellefontaine 8t., Pasadena, Cal. 2905 8. Hoover 8t., Los Angeles, Cal. 162 W. Alvarudo 8t., Pomona, Cal. 1143 Formosa Ave., Hollywood, Cal. 808 Humboldt 8t., Santa Rosa, Cal. 1423 McKinley 8t., Los Angeles, Cal. Sultana, Cal.	
Q8	Henry, William J. Heppenstall, Wilton L	554 11th Ave., Ban Francisco, Cal	:
RR	Herman Edward W	735 19th St. San Diego Cal	1
DC	Herman, Edward W Hibbard, Charles H., jr	156 Rellefontaine St. Pasadena Cal	
DC FL	High, Freeman A., jr. Hillen, Russell W. Higgy, Robert C.	2905 8. Hoover St., Los Angeles, Cal	1.
CI	Hillen, Russell W	162 W. Alvarado St., Pomona, Cal	
DM	Higgy, Robert C	1143 Formosa Avo., Hollywood, Cal	1.
HH	Hollingsworth, D. R	808 Humboldt St., Santa Rosa, Cal	
JG MI	Hooper Herbert D	Sultana, Cal	
EJ	Holingsworth, D. R. Homand, James A. Hooper, Herbert D. Houtz, Eugene R.	1544 Webster St., Oakland, Cal.	
SI	HOVL Leanner L	248 Main St., Havwaru, Cal.,	1.
TE JY			
JY	Humphrey, Estil L	San Fernando, Cal.	1
HB	Hunt Howd F	1/40 YOLD A Ve., USKISHO, USI	i
LH	Hutchinson Howard W	614 8 Brand Rivd. Glendale. Cal	1 1
LT	Isaacs, Louis R.	1200 Regent St., Alameda, Cal.	1
BFC	Isham, Carlton	1323 96th Ave., Oakland, Cal	
KF	Jackson, Milton 8	1434 Jones St., San Francisco, Cal. San Fernando, Cal. 1740 96th Ave., Oakland, Cal. 224 W. 35th Pl., Los Angeles, Cal. 614 S. Brand Blvd., Glendale, Cal. 1210 Regent St., Alameda, Cal. 1223 96th Ave., Oakland, Cal. 8333 17th St., San Diego, Cal. 3427 30th St., San Diego, Cal. 1030 Delaware St., Berkeley, Cal.	
JK SX	Jennings John W.	1 3427 30th St., San Diego, Cal	1

SIXTH DISTRICT-Continued.

Call signal.	Owner of station.	Location of station.	Powe
			Ku
TI'	Johnson, Harold M Johnson, Philip Johnson, Roy	15 King St., San Jose, Cal	(
GS.	Johnson, Philip	475 California St., Pasadena, Cal	
AEA	Johnson, Roy	414 Main St., Los Angeles, Cal	
MY	Johnston, Robert	734 K. St., Eureka, Cal.	
GV KI	Jones, Alfred H. Jones, Ernest P. Jopson, Frank. Josephs, Howard Kaufmann, Irwin L.	414 Main St., Los Angeles, Cal	
MB	Jonesa Frank	332 S 11th St San Ioca Cal	
SY	Josephs Howard	1520 Webster St. Oakland Cal	
OM	Kaufmann, Irwin L	56 20th Ave., San Francisco, Cal	
TIP	Kemp, Thomas J.	950 Atlantic Ave., Long Beach, Cal. 399 S. Wilson Ave., Pasadena, Cal. 803 E. 28th St., Los Angeles, Cal.	
RK VK	Kelley, Roger M	399 S. Wilson Ave., Pasadena, Cal	
VK	Kemp, Victor H	803 E. 28th St., Los Angeles, Cal	
CQ	Kemp, Thomas J. Kelley, Roger M. Kemp, Victor H. Kemper, Horace I. Kern County High School. See Ludden A. J.	173} Loma Drive, Los Angeles, Cal	1
3QV	See Ludden, A.J. Kimm, George N	2502 Q St., Bakersfield, Cal	
BVJ	Kinsman, Joseph W Klahn, Leander Knight, James B	2502 Q St., Bakersfield, Cal	
IJJ	Klahn, Leander	27 Chenery St., San Francisco, Cal	
JA_	Knight, James B	125 Stanislaus Ave., Modesto, Cal	
GT	Knudsen, George Koepfli, Joseph B	418 Banks St., San Francisco, Cal	
JH	Kramer Augustus	1605 6th St. Coronado Cal	
HA	Kramer, Augustus A	200 W 22d St. Lee Angelee Cel	
VY	Kreiss Rudolph L	3407 Arroyo seo Ave., Los Angeles, Cal. 27 Chenery St., San Francisco, Cal. 125 Stanislaus Ave., Modesto, Cal. 418 Banks St., San Francisco, Cal. 2600 Wiltshire Blvd., Los Angeles, Cal. 1605 6th St., Coronado, Cal. 222 W. 33d St., Los Angeles, Cal. 1062 Stannage Ave., Berkeley, Cal. 457 Alta St. Redlands Cal.	
PL	Kubias, Rudolph M	457 Alta St., Redlands, Cal.	
nc .	Kramer, Augustus A. Kreamer, John A., jr. Kreiss, Rudolph L. Kublas, Rudolph M. Kulish, John J., jr.	457 Alta St., Redlands, Cal	
OF	Kroman, RobertLadley, William A	Napa, Cal	
LY	Ladley, William A	Napa, Cal.	
BX	Lankston, J. M	152 Ohio Ave., Sawtelle, Cal	
DR	Lankston, J. M. Laverty, Finley B. Latta, Paul. Lauritsen, Albert M.	Napa, (al. Napa, Cal. 152 Ohio Ave., Sawtelle, Cal. 5332 Abott Pl., Los Angeles, Cal. 2158 Woolman Ave., San Diego, Cal.	
PK	Lauriteen Albert M	Nana Cal	
LG	Lauritsen, Albert M Lee, George R. Lee, Howard R Lee, John A Leeper, Ernest W Le Fevre, Eugene Leigh, Philip P Leland, Wallace H Lewis, Harrison E	Napa, Cal 134 N. Johnstone St., Los Angeles, Cal 1580 Grove St., San Francisco, Cal 283 25th Ave., Los Angeles, Cal 484 4th St. San Bernardino Cal	
BTM	Lee, Howard R	1580 Grove St., San Francisco, Cal.	
SVO	Lee, John A	283 25th Ave., Los Angeles, Cal.	
SIZ -	Leeper, Ernest W	648 4th St., San Bernardino, Cal	
BEL	Le Fevre, Eugene	243 Bonfiew Ave., San Francisco, Cal	
3V F	Leigh, Philip P	827 2d St., Santa Monica, Cal.	
WL	Leland, Wallace H	912 Indian Rock Ave., Berkeley, Cal	
SIN	Leweiling, Raymond	St. Helena, Cal	
BEC	Lewis Tony D	1054 Cotton St. Oakland Cal	
BLE BHL	Linhoff, Harold R	417 Winona Ave. Pasadena Cal	1
BUR	Link, Ralph L	St. Helena, Cal. 3299 Briggs Ave., Alameda, Cal. 1054 Cotton St., Oakland, Cal. 117 Winona Ave., Pasadena, Cal. 1520 Annan Way, Los Angeles, Cal.	-
SAAJ	Lewis, Harrison E. Lewis, Tony D. Linhoff, Harold R. Link, Ralph L. Linville, Charles R. Livesay, J. Russell. Logan, Hugh H. Lohry, Ross B.		
JN	Livesay, J. Russell	446 Palo Alto Ave., Palo Alto, Cal	
HMG	Logan, Hugh H	1519 Grammercy Pl., Los Angeles, Cal	
SIF	Lohry, Ross B	1932 Irving Ave., East Oakland, Cal	
	Lonry, Ross B Long Beach Polytechnic School. See Polytechnic High School.	-1-	
8GX	T Tr To	402 N. New 18th St., San Jose, Cal 1645 S. New Hampshire St., Los Angeles, Cal. 3841 7th St., San Diego, Cal 3904 Ibis Court, San Diego, Cal 1403 Martel Ave., Los Angeles, Cal Bakersfield, Cal	
3S J	Lopez, John	1645 S. New Hampshire St., Los Angeles, Cal.	
BLO	Long, Herman D. Lopez, John Lory, C. S. Loudon, Donald F. Lowell, Charles H., jr Ludden, A. J. Ludlow, William B. Lundy, Elmer C. Lynde, Laurence F. Lyon, John D. McFarlane, Thomas R. Mackin, George R.	3841 7th St., San Diego, Cal.	1
SVD	Loudon, Donald F	3904 1016 Court, San Diego, Cal	
3CA	Lowell, Charles H., Jr	Rekersfield Cal	
SGZ SWM	Ludlow William R	Bakersfield, Cal. 2320 Cedar St., Berkeley, Cal. 2320 Cedar St., Berkeley, Cal. 1920 N. 17th St., San Jose, Cal. 1141 Mendoclino St., Altadena, Cal. 1948 S. Kingsley Drive, Los Angeles, Cal.	
BCY	Lundy, Elmer C	592 N. 17th St., San Jose, Cal	
SE	Lynde, Laurence F	Huntington Drive, Los Angeles, Cal.	
BAAL	Lyon, John D	1141 Mendocino St., Altadena, Cal	
6MD	McFarlane, Thomas R	954 S. Kingsley Drive, Los Angeles, Cal	
3GM			11
6MV	MacMullen, Gerald	405 F. Fremont St. Stockton Col	10
BSH BMX	Macurda Malcolm	1714 Harvard Rivd. Los Angeles Cal.	3
6MN	Maher, Edward T	3409 Grove St., Oakland, Cal	
6IL	Mahler, James J., ir.	233 Hawthorne St., San Diego, Cal.	1
6AAD	Mahn, Erich G.	29 Saturn St., San Francisco, Cal	10
6G G	Malarin, Henry J	954 S. Kingsley Drive, Los Angeles, Cal. 88 Peralta Ave., San Francisco, Cal. 392 Glorietta Blvd., Coronado, Cal	
6WT	Mann, Frank W	Saratoga, Cal	1
6IP	Marsh, Hallan N	1225 W. Brookes Ave., San Diego, Cal.	1 1 1
60X	MacMullen, Gerald Macquarrie, Harold C. Macurda, Malcolm Maher, Edward T. Mahler, James J., jr. Mahn, Erich G. Malarin, Henry J. Mann, Frank W. Marsh, Hallan N. Martin, Andrew W., jr. Martin, Neal D. Martininio.	Saratogs, Cal. 1225 W. Brookes Ave., San Diego, Cal. 894 Waller St., San Francisco, Cal. 2018 Delaware St., Berkeley, Cal. 953 Mission Ave., San Rafael, Cal. 7364 Hollywood Blvd., Los Angeles, Cal.	
6KS 6WD	Martin, Neal D	2010 Delaware St., Derkeiey, Cal	1

SIXTH DISTRICT-Continued.

ALPHABETICALLY BY OWNERS OF STATIONS-Continued.

Call signal.	Owner of station.	Location of station.	Power
			Ku.
BDY	Mattox, Harry D	260 W. 11th St., Pomona, Cal	1.
BB	May, Howard E	Orosi, Cal.	
UW	Maynes, Walter W	1903 Bonita Ave., Berkeley, Cal	
SM8	McArdle, James J	1412 18th Ct. Ookland Col	1.
JM GH	McCargar, J. L. McCarthy, John J. McCreery, Maurice. McDonald, Byron C.	1413 16th St., Oakland, Cal.	1.
TV	McCroory Maurice	3913 26th St., San Francisco, Cal. 700 W. 32d St., Los Angeles, Cal. 85 S. El Molino St., Pasadena, Cal.	
IX PJ	McDonald Byron C	95 9 Fl Wolling St. Pagedana Col	1.
TO	McFern, Arthur L	1652 Berendo St., Los Angeles, Cal	1
MC	McGown, Dudley B	1247 47th Ave., San Francisco, Cal.	
EM	McGuire, Edward	55 Dame St., San Francisco, Cal	
EZ	McHolland, Raymond		
HJ	McIntosh, Harold S	249 Bixel St., Los Angeles, Cal	1
ABG	McLaren, Alfred	534 W. 49th St., Los Angeles, Cal	
JE	Mead, John H	7231 Hollywood Blvd., Los Angeles, Cal	
KU	Mealer, Loyal D	Walnut Grove, Cal	1
BN	Mentzer, Leonard	4416 23d St., Sun Francisco, Cal	
DJ	Merritt, Lawrence G	252 Clinton St., Pasadena, Cal	1
JW	Meyer, Joseph U	804 40th St., Oakland, Cal	
EU	Mentzer, Leonard Merritt, Lawrence G. Meyer, Joseph U. Michelson, Melvin O.	530 Franklin St., Napa, Cal	
QY	Miley, Jerome	585 Bellefontaine Ave., Pasadena, Cal	
FN	Miller, Albert	121 E. 39th Ave., Los Angeles, Cal. 1346 La Brea St., Los Angeles, Cal. 15 E. Central Ave., Redlands, Cal. R. F. D., Ione, Cal.	
EN	Miller, Albert. Miller, Elmer. Miller, Murray R. Miller, Roy A. Miller, Walter G. Mills, Eldon C. Mills, Eldon C.	15 E. Cantral Ava. Redlanda Cal	
RJ	Miller Roy A	P F D Ione Col	1
KT	Miller Walter G	18 Hester Ave., San Jose, Cal	
KJ	Milla, Eldon C.	425 Orchard St., San Jose, Cal.	
BU		245 Lime St., Riverside, Cal.	1
RC	Moebius, Russell F. Moller, William, Jr. Montgomery, Alvin R.	63 N. State St., Murray, Utah	
WB	Moller, William, ir	426 29th St., Oakland, Cal	
3MA	Montgomery, Alvin R	2303 Pacific Ave., Alameda, Cal	1
BI	MOOPA Kara	108 11th St., Redlands, Cal	
MM	Moore, Norval E	652 E. Culver St., Orange, Cal	
388	Morrow, James W	389 63d St., Oakland, Cal	1
BMT	Moore, Norval E		
BIW	Muller, Lloyd. Mundt, Carlos S.	832 Haight St., San Francisco, Cal	
BDK	Mundt, Carlos 8	I 2418 Eagle Ave., Alameda, Cal	
BFU		Nordhoff, Cal.	
BBV	Munzig, Arthur. Murkett, Philip T. Murphy, Harold J. Myers, Harry Neff, Cecil.	217 Tribune St., Redlands, Cal.	
PR	Murkett, Philip T	128 W. Olive Ave., Redlands, Cal	
MH	Murphy, Harold J	Mountain View, Cal.	
SQA SKK	Myers, Harry	3215 N. Broadway, Los Angeles, Cal.	
	Nell, Cecu	3751 Albatroes St., San Diego, Cal	
STA SPH	Nelson Harry W	1 000 F 50th St. Los Angeles Col	
ind .	Nelson Martin A	269 E. 50th St., Los Angeles, Cal. 1075 Alverado St., San Leandro, Cal.	1
PN	Nelk, Teddy J. Nelson, Harry W. Nelson, Martin A. Nesbit, Paul T.	R. F. D. No. 1 Acampo Cal	1
AG	Neuser, Arthur A	R. F. D. No. 1, Acampo, Cal. 280 N. 22d Ave., Los Angeles, Cal.	
NS	Neville, Glen		
AHN	Neville, Glen Newnan, Harold L		1
NF	Newton, Francis L. Newton, Henry G. Nickels, Lee. Nickle, Harold A.	100 Benita Ave., Piedmont. Cal	i
HQ	Newton, Henry G.	100 Benita Ave., Pledmont, Cal. Coronado, Cal	-
HQ	Nickels, Lee	985 8th St., Oakland, Cal	
QM	Nickle, Harold A	Minnesota St., Glendora, Cal	
OR	Nielsen, Fred J	136 Caine Ave., San Francisco, Cal	
INA	Nielson, Anders	849 Athens Ave., Oakland, Cal	
BNI	Nilli, Emil	34 Hester Ave., San Jose, Cal	
RN	Norton, Russell	825 1st St., Napa, Cal	
PT UC	Norton, Russell Nulsen, William B Nusser, George F	34 Hester Ave., San Jose, Cal	
SUC	Nusser, George F	309 N. Union Ave., Los Angeles, Cal	
BC	Oldnam, William G., Jr	720 Healdsburg Ave., Santa Rosa, Cal	
TI	Oldham, William G., jr O'Dell, James J	1116 Catalina Ava. Pasadena Cal	
LU	Olmetond Charles P	250 N 22d Ave. Lee Angelee Col	
KB LJ	Olmetand William II	1433 I St Fureke Col	
3J2	O'Nell Frank M	1635 Addison St. Regisley Col	1
BRO	Ormshy Russell	1624 Chanin St. Alamada Col	1
BOE	Ostronik Rudolph	4071 Rudlong Ave. Los Angeles Cal.	1
SPE	Ostrowsky, Arthur P	408 E. 61st St., Los Angeles Cal	i
8PE 8PB	Pagh, Val E	720 Healdsburg Ave., Santa Ross, Cal. 327 Post St., Sun Jose, Cal.	
FP	Parke, Francis M.	4071 Budlong Ave., Los Angeles, Cal. 408 E. 61st St., Los Angeles, Cal. Randsburg, Cal. 582 N. Park Ave., Pomona, Cal. Lockeford, Cal. 22 Terra Dillo Ave., San Rafael, Cal.	
8FP 8LA	Parker, Ralph.	Lockeford, Cal.	

54257°-16--9

SIXTH DISTRICT—Continued.

Call signal.	Owner of station.	Location of station.	Powe
			Kw.
6LX	Parkin, John, jr	22 Terra Dillo Ave., San Rafael, Cal	1
6MP	Parsons, William	2921 Manitou Ave., Los Angeles, Cal	1
6LV 6ABH	Parkin, John, jr. Parsons, William Passage, Raye L. Peacock, Vernon L. Peck, W. Frank.	22 Terra Dillo Ave., San Rafael, Cal. 2921 Manitou Ave., Los Angeles, Cal. 1966 Bonita Ave., Los Angeles, Cal. 1968 Bonita Ave., Los Angeles, Cal. 1303 Main St., Alhambra, Cal. 569 Orange St., Riverside, Cal. 517 N. Washington St., Whittler, Cal. 34 Grant St., Redlands, Cal. Meridian and Q. Sts., San Diego, Cal. 490 48th St., Los Angeles, Cal. 2615 Virginia St., Berkeley, Cal. 521 E. 17th St., Santa Ana, Cal. 3467 5th St., Los Angeles, Cal. 1261 St. Charles St., Alameda, Cal. 660 19th St., Richmond, Cal.	1
6AV	Pook W Frank	1303 Main St., Alnamora, Cal	
6BR	Peelle, Russell G. Peiler, Norman P. Perry, Oliver A. Petersen, Odin T Peterson, Frank E. Phellps, Allen G.	517 N. Washington St., Whittier, Cal.	1
6ER	Peifer, Norman P	34 Grant St., Redlands, Cal.	
6QC	Perry, Oliver A	Meridian and Q Sts., San Diego, Cal	1
60 L	Petersen, Odin T	490 48th St., Los Angeles, Cal	1
6OJ	Peterson, Frank E	2615 Virginia St., Berkeley, Cal	
6LW	Phelips, Allen G	2467 5th St. Los Angeles Col	1
6KH 6CM	Phillips Carroll I	1261 St. Charles St. Alameda, Cal	
6CP	Pickard, Clifford J.	660 19th St., Richmond, Cal	-
6IV	Philippi, Charles Phillips, Carroll J. Pickard, Clifford J. Pierson, Walter.	Walnut Creek, Cal 2508J Palm Drive, Los Angeles, Cal 143 15th St., Richmond, Cal 180 W. Date St., Riverside, Cal 663 W. 35th Pl., Los Angeles, Cal	
6IY	Plimpton, Roe Poage, Edward A	2508 Palm Drive, Los Angeles, Cal	250
6EG 6UO	Poage, Edward A	143 15th St., Richmond, Cal	7
6UO	Polkinghorn, Frank A	180 W. Date St., Kiverside, Cal	1
6JX 6LN	Pollitt, Chalmer L Polytechnic High School	Long Reach Cal	1
6GP	Post, George W.	1699 Masonic Ave., San Francisco, Cal.	
6CR	Potter, Lee Rov	Maple and Spadra Sts., Fullerton, Cal	1
6WI	Powell, Joseph F	Long Beach, Cal. 1699 Masonic Ave., San Francisco, Cal. Maple and Spadra Sts., Fullerton, Cal. 1125 N. Wilson Ave., Pasadena, Cal.	1
6BF	Powell, Meade W	Warren, Ariz	
6VI	Post, George W. Potter, Lee Roy. Powell, Joseph F. Powell, Meade W. Pressell, Willis R. Preston, Harold.	Warren, Ariz 136 Mill St., Reno, Nev Hayward, Cal 282 Molino St., Long Beach, Cal 892 Isabella St., Oakland, Cal Lordshurg, Cal	
6QO	Preston, Harold	182 Molino St. Long Reach Col	
6TI 6RV	Provinse, Floyd Querolo, Louis R Raley, Mannie L	892 Isahella St. Oakland, Cal	
6CH	Raley, Mannie L	Lordsburg, Cal. 1202 S. Normandie Ave., Los Angeles, Cal. 1318 7th St., San Pedro, Cal. 340 30th St., San Francisco, Cal.	
6SP		1202 S. Normandie Ave., Los Angeles, Cal	
6UB	Ray, George	318 7th St., San Pedro, Cal	1
6VP	Redmond, Joseph	340 30th St., San Francisco, Cal	
6EX	Remelin, Eldred L	Perris, Cal	
6AFA	Richardson, Franklin	Los Altos Col	
6GB	Ray, George. Redmond, Joseph. Remelin, Eldred L. Richardson, Franklin. Roberts, Edwin D. Robertson, Orlyn N. Robinson, Sidney E. Roe, Charles D.	340 30th St., San Francisco, Cal. Perris, Cal. 7263 Sunset Blvd., Hollywood, Cal. Los Altos, Cal. 202 S. Broadway, Santa Ana, Cal. 2929 Broadway, Oakland, Cal. 661 S. Chicago St., Los Angeles, Cal. 86 Viola Ave., San Jose, Cal. 311 Ellsworth Ave., San Mateo, Cal. Los Gatos, Cal.	
6IQ 6TK	Robinson, Sidney E	2929 Broadway, Oakland, Cal	1 1 1
6HZ	Roe, Charles D.	661 S. Chicago St., Los Angeles, Cal	
6GI	Roe, Charles D. Rothe, C. Ernest Royden, Herbert N., jr Rugh, Charles Rutherford, Paul H. Rutledge, Ralph. Rutzen, Frank E. Ryberg, Waiter G. Salome, Frederic W. Sanford, J. Gordon St. Clair, Harold. Sargent, Edward M. Sawyer, Clifford D. Schaefer, Carl.	86 Viola Ave., San Jose, Cal	
6HR	Royden, Herbert N., jr	311 Ellsworth Ave., San Mateo, Cal	
6FT 6FB	Rugh, Charles	421 San Francisco Ava Pomona Cal	
6HU	Rutledge Rainh	Los Gatos, Cal. 431 San Francisco Ave., Pomona, Cal. 401 10th St., Colusa, Cal.	
6FH	Rutzen, Frank E	401 10th St., Colusa, Cal 831 Alvarado St., San Francisco, Cal 116 Virginia Ave., San Francisco, Cal	
6AAV	Ryberg, Waiter G	116 Virginia Ave., San Francisco, Cal	
6FR	Salome, Frederic W	116 Virginia Ave., San Francisco, Cal. 1493 Harrison St., Oakland, Cal. 1117 W. 78th St., Los Angeles, Cal. 1645 S. Berendo St., Los Angeles, Cal. 2235 Lake St., San Francisco, Cal. 47 Washington St., Reno, Nev. 3118 Stillson Ave., Sacramento, Cal. 3611 Allendale Ave., Oakland, Cal. 5408 Alvise St., Los Angeles, Cal. 1223 San Julian St., Los Angeles, Cal. 1632 Bush St., San Francisco, Cal. 2728 E. 2d St., Los Angeles, Cal. 2728 E. 2d St., Los Angeles, Cal. 2726 E. 22d St., Oakland, Cal. Mountain View, Cal. 343 S. Fremont Ave., Los Angeles, Cal.	
60Z	Sanford, J. Gordon	1117 W. 78th St., Los Angeles, Cal	1
6RU	St. Clair, Harold	1045 S. Berendo St., Los Angeles, Cal	
6SC	Sawyar Clifford D	47 Washington St. Reno. Nev	
6NL 6ES	Schaefer, Carl	3118 Stillson Ave., Sacramento, Cal	
6HS	Schnarr, Henry J.	3611 Allendale Ave., Oakland, Cal	1
60W 6UZ	Schaeler, Carl. Schnarr, Henry J. Scheidemantel, Oscar A. Scheilenback, Ray Schenck, Harry P. Schleicher, Lorenz D. Schneider, Anton	5408 Alvise St., Los Angeles, Cal	
6UZ	Schellenback, Ray	1223 San Julian St., Los Angeles, Cal	
6HK	Schenck, Harry P	1632 Bush St., San Francisco, Cal	
6VT	Schoolder Anten	424 20th Ava San Francisco Cal	
6TS	Schneider, Anton Schneider, August G. Schneider, William P.	530 8 Chicago St. Los Angeles, Cal.	1
6AY 6WS	Schneider, William P	2716 E. 22d St., Oakland, Cal.	1
6FZ		Mountain View, Cal	
6EA	Seefred, Howard C. and Lyn-	343 S. Fremont Ave., Los Angeles, Cal	
		COLE PART OF PROPERTY COL	
6TF	Seely, Frank	2615 Etna St., Berkeley, Cal	
6EO 6CT	Seely, Frank. Selton, Binger H. Seidel, William E. Seitel, T. Benton. Selby, Charles J.	2615 Etna St., Berkeley, Cal. Taft, Cal. 2717 Brighton Ave., Los Angeles, Cal. Chino, Cal. 3316 Market St., Oakland, Cal. 450 W. Center St., Pomona, Cal. 846 E. 33d St., Los Angeles, Cal. 1320 Illinois St., Los Angeles, Cal. 334 W. Murray St., Eureka, Cal. 576 N. Wilson Ave., Pasadena, Cal. Lemon Grove, Cal.	
6TV	Seitel, T. Benton	Chino, Cal.	
6TV 6NT 6SD	Selby, Charles J.	3316 Market St., Oakland, Cal	
6SD	Shaffer, Charley L	450 W. Center St., Pomona, Cal	
610	Shaffer, John	846 E. 33d St., Los Angeles, Cal	
6UU	Shaffner, Lucius L	1320 Illinois St., Los Angeles, Cal	
6BP	Shannon, Leslie	576 N. Wilson Ave. Posedone Col	
6EP 6UN	Show William A	Lamon Grove Cal	
6SR	Shafter, John Shaftner, Lucius L Shannon, Leslie Sharon, Elwyn F Shaw, William A Shelton, R. O Short, Frank A Short, Ralph R.	Lemon Grove, Cal. 3443 5th St., San Diego, Cal. 4846 Walmut St., Riverside, Cal. 100 Dearborn St., Pasadena, Cal.	
6FS 6KO	Short, Frank A	846 Walnut St., Riverside, Cal.	

SIXTH DISTRICT—Continued.

Call dgnal	Owner of station.	Location of station.	Powe
		118 Olive Ave., Modesto, Cal. 229 B. Cummings St., Los Angeles, Cal. 2303 Martinez Ave., Berkeley, Cal. 211 Orange Ave., Santa Ana, Cal. 212 Os E. 49th Ave., Los Angeles, Cal. 208 E. 49th Ave., Los Angeles, Cal. 3415 Glen Albyn Drive, Los Angeles, Cal. 38 Peralta Ave., San Francisco, Cal. 2031 E. 1st St., Long Beach, Cal. 2057 W. 29th St., Los Angeles, Cal. 795 Simpson Ave., Salt Lake City, Utah. 75 Bush St., San Jose, Cal. 3737 3d St., San Diero, Cal. 172 32d Ave., San Francisco, Cal. 172 32d Ave., San Francisco, Cal. 2731 Dwight Way, Berkeley, Cal. Rivera, Cal.	Kw.
BDS BVR	Sikes, Clarence W	118 Olive Ave., Modesto, Cal	1
BVR	Bisson, Waldo L.	229 B. Cummings St., Los Angeles, Cal.	1
SK	Skaale, Arthur J	211 Openso Ave. Sonto Apr. Col	
DQ	Sleeper James L. Smelser, Laurel J. Smith, Edward I. Smith, Harold.	211 Orange Ave., Sunta Alia, Cal	
LS	Smelser, Daurel J	208 F Ann Avo. Los Angeles Cul	
AF KZ	Smith Hagold	3415 Glen Albyn Drive Los Angeles Cal	
SM		78 Peralta Ave., San Francisco, Cal	
ON	Snider, Wallace	2031 E. 1st St., Long Beach, Cal	
QN PD	Somers, William A	2057 W. 29th St., Los Angeles, Cal	
ACS		795 Simpson Ave., Salt Lake City, Utah	
AS	Soules, Ernest H	75 Bush St., San Jose, Cal	
WR	Spare, Wilson	3737 3d St., San Diego, Cal	
PG NO TG	Spatafore, Joseph	1934-B Folsom St., San Francisco, Cal	
TO	Soules, Ernest H Spare, Wilson Spatafore, Joseph Spatiding, Leland J Spelr, Godfrey B	2721 Dwight Wor Borkeley Col	
ST	Spencer, Howard E	Pivere Cal	
SA	Spencer Occar I	23 Douglas St. San Francisco Cal	
CK	Spencer Edward R	1640 23d Ave. Oakland, Cal.	
RS	Spencer, Oscar J Spencer, Edward R. Spring, Fred R. Springman, Arthur E.	315 W. 51st Ave., Los Angeles, Cal	
AZ	Springman, Arthur E	1818 N. Broadway, Los Angeles, Cal	
ABK		2731 Dwight Way, Berkeley, Cal. Rivera, Cal. 33 Douglas St., San Francisco, Cal. 1640 23d Ave., Oakland, Cal. 135 W. Sist Ave., Los Angeles, Cal. 1318 N. Broadway, Los Angeles, Cal. 1306 S. Pierce Ave., Whittier, Cal. Los Altos, Cal. 753 Redondo Ave., Long Beach, Cal. 1005 Riverene Ave., Santa Ana, Cal. 1605 Arch St., Berkeley, Cal. 601 Broderick St., San Francisco, Cal. 222 Short St., Long Beach, Cal. 1919 Fern St., San Diego, Cal. 1309 8th St., Oakland, Cal. Murray, Utah.	
DD	Stari, Guadenzio Stamback, Rollo L Spicer, Clarence	Los Altos, Cal	
RH NZ	Stamback, Rollo L	753 Redondo Ave., Long Beach, Cal	
NZ	Bpicer, Clarence	1005 Riverene Ave., Santa Ana, Cal	
18	Squires, John E	801 Benderlot St., Berkeley, Cal.	
JR	Stabling Charles I.	222 Short St. Long Reach Col	
ABL TT RE	Stebbins, Charles L	1010 Fern St. San Diego Cal	1
RE	Stoddard Harold	1309 8th St., Oakland, Cal	
PW	Stone, Philip B	Murray, Utah.	
RP	Stonecipher, Charles E	7227 S. Moneta Ave., Los Angeles, Cal	
HP MZ	Stonehocker, Harold	1732 Webster Ave., Fresno, Cal	
MZ	Stoudt, Frank L	340 Francis St., Pomona, Cal	
Cl	Stoddard, Harold Stone, Philip B Stonecipher, Charles E Stonehocker, Harold Stowd, Frank L Stowe, Theodore E Street, George Strong, Stuart E Strong, William A Stubbs, Frank A Summers, James W Sundoulst. Fred	1309 8th St., Oakland, Cal. Murray, Utah.	
AB	Street, George	1208 Myrtle St., Oakland, Cal	
SZ WG	Strong, Stuart E	208 Jayne St., Oakiand, Cal	
FO	Stubbe Frank A	2620 Mission St. San Francisco, Cal	
GO	Summers James W.	1061 62d St. Oakland Cal.	
VB	Sundouist, Fred	2153 Albee St., Eureka, Cal	
SU	Rutherland Clarence	2334 94th Ave., Oakland, Cal	
AAN	Sykes Joseph	354 S. Hope St., Los Angeles, Cal	
AAT	Szukalski, Joseph 1'	5610 Mission St., San Francisco, Cal	
DV	Taenzer, Ernest M	801 Brent Ave., South l'asadena. Cal	
JU BK	Tait, Jack D	740 C. Con Antonio Ave. Pomono Col	
BW	Tarlor Edwin K	3766 Chamming Ave. San Diego, Cal	
ĒΠ	Taylor Frank G	512 Oak St. San Francisco, Cal	
TW	Taylor, Hope	144 12th St., Riverside, Cal	
OB NH HI	Telmont, Hippolyte B	Mayfield, Cal	
NH	Tait, Jack D. Taibott, Paul H. Taylor, Edwin K. Taylor, Frank G. Taylor, Nope. Telmont, Hippolyte B. Terrell, Edwin Tessien, Henry A. Thacker, Roy M.	271 8th St., San Pedro, Cal	
HI	Tessien, Henry A	2929 Octavia St., Oakland, Cal	
TX	Thacker, Roy M	WI Concord St., Los Angeles, Cal	
SG	Thomas Courts D	2001 La Salla Ava Las Angeles Cal	
KX UQ NE	Thompson, Charles E	1876 15th St. San Francisco Cal	
NE	Thompson, Lloyd	239 E. Whiting Ave., Fullerton, Cal	
PQ BY	Thornton, George N	Lancha Plana, Cal	
BY	Thorson, Robert W	3616 Felton Ave., Richmond, Cal	
GQ.	Thurman, Alvin C	7 Grant Ave., Watsonville, Cal	
IT	Tibbitts, Jonathan C	1246 St. Charles St., Alameda, Cal	
K8	Tilden, C. W	1635 Maitman Ave., Los Angeles, Cal	
KG IM	Townsend Leve I.	727 Oakland Ave. Passdena Cal	
CZ.	Thompson, Charles E. Thompson, Lloyd Thormon, George N. Thorson, Robert W. Thurman, Alvin C. Tibbitts, Jonathan C. Tilden, C. W. Tripp, Dwight K. Townsend, Irye L. Tubbs, Ernest A. Tulb. Ralph.	103 Tribune St. Redlands, Cal	
CZ WE	Tuln, Ralph	840 W. 53d St., Los Angeles, Cal.	
ABR	Tulp, Ralph. Turner, Herbert C. Tyler, Otto B. Underwood, Ernest G. Urban, Carl H.	1703 S. Berendo St., Los Angeles, Cal	
OT	Tyler, Otto B	352 Illinois St., Pomona, Cal	
OT DT	Underwood, Ernest O	903 E. Commercial St., Inglewood, Cal	
QZ	Urban, Carl H	320 Maple St., Reno, Nev	
GL	Van Auken, George L Van Manning, Harold.	1081 62d St., Oakland, Cal. 2133 Albee St., Eureka, Cal. 2133 Albee St., Eureka, Cal. 2334 Bth Ave., Oakland, Cal. 354 S. Hope St., Los Angeles, Cal. 5610 Mission St., San Francisco, Cal. 801 Brent Ave., South Pasadena, Cal. 1284 Oxford St., Los Angeles, Cal. 1284 Oxford St., Los Angeles, Cal. 1284 Oxford St., Los Angeles, Cal. 1284 Oxford St., Los Angeles, Cal. 1281 St., Riverside, Cal. 1291 Mayfield, Cal. 271 8th St., San Francisco, Cal. 1292 Octavia St., Oakland, Cal. 2929 Octavia St., Oakland, Cal. 2931 Concord St., Los Angeles, Cal. 1336 F St., San Diego, Cal. 2301 La Balle Ave., Los Angeles, Cal. 1361 5th St., San Francisco, Cal. 239 E. Whiting Ave., Fullerton, Cal. 1246 St. Charles St., Alsmeda, Cal. 1246 St. Charles St., Alsmeda, Cal. 1253 Gramercy Drive, Los Angeles, Cal. 133 Gramercy Drive, Los Angeles, Cal. 137 Oakland Ave., Pasadena, Cal. 1303 Tribune St., Rediands, Cal. 240 W. 53d St., Los Angeles, Cal. 252 Illinois St., Pomona, Cal. 252 Illinois St., Pomona, Cal. 253 Maple St., Reno, Nev. San Jose, Cal. 34 Hunoft St., Santa Cruz, Cal.	
ML	Van Manning, Harold	San Jose, Cal. 34 Hunoit St., Santa Cruz, Cal. 2012 N. Broadway, Los Angeles, Cal. 211 B. 20th Ave., Los Angeles, Cal. 34 Chestnut Ave. Long Basch, Cal.	
WA QP	Van Why, Forbes W	2012 N. Broadway, Los Angeles, Cal	
13.0	I V DOTES, LIBORDA ()	1 Z11 D. ZJU AVE., LOS AUKEIES, CSI	

SIXTH DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS-Continued.

Call signal	Owner of station.	Location of station.	Powe
			Kw.
6VU	Vonderheide, Harold H	711 Carson St., Carson City, Nev	0
6BA	Wadsworth, Claude E	336 Center St., Healdsburg, Cal	
6JI	Wagnon, Earl B	Los Altos, Cal	
600	Walden, Myran	994 57th St., Oakland, Cal	
6OC	Wallace, Donald C	1431 Linden Ave., Long Beach, Cal	
6IG	Wallace, Edward A	138 Water St., Santa Cruz, Cal	1
6VV	Wallace, Forrest P	120 S. Monterey St., Alhambra, Cal	
6IE	Walter Gilbert	4523 Shattuck St., Oakland, Cal	
6WO	Walters, Wilbur E	410 E. 2d St., Lordsburg, Cal	
6HT	Walters, William T	2140 Tyler Ave., Fresno, Cal	1 1
6TJ	Warner, Stafford W	1829 West St., Oakland, Cal	
6KW	Warriner, Willard V	245 Eagle Rock Ave., Los Angeles, Cal	1
6Q W	Waters, John E	2002 N. Broadway, Santa Ana, Cal	
6EY	Watson, Edwin A	1611 Walnut St., Alameda, Cal	
6NW	Webb, Morrison R	541 18th St., Oakland, Cal	
6WV	Webb, Walter R	1306 W. 41st St., Los Angeles, Cal	
6CS	Webber, Franklin C	632 N. Bunker Hill Ave., Los Angeles, Cal	
6WU	Weddell, Clarence C	2361 Walnut St., San Jose, Cal.	
6AN	Weisbart, Ben	136 S. Lucas St., Los Angeles, Cal	
6VW	Weitfie, Roy	2217 Shattuck St., Berkeley, Cal	
6DZ	Welch, Gerald D	2201 Rose St., Berkeley, Cal.	
6GW	Werner, George W., jr	3039 Adeline St., Berkeley, Cal	
6DX	Wheelock, Charles	143 N. Lime St., Riverside, Cal.	
6UX	Whidden, Ira P	1246 Liberty St., Santa Clara, Cal	
6DO 6VA	Whisman, Ray	419 38th Ave., San Francisco, Cal. 435 Oakland Ave., Pasadena, Cal.	
6HW	White, Howard	822 E. 4th St., Santa Ana, Cal	
6CX	Whitehead, Stanley K	138 N. Ohio St., Los Angeles, Cal.	
6DU	Whitworth, George K	265 N. Mountain Trail, Sierra Madre, Cal.	
6FE	Wickersham, Harry H	149 San Carlos Ave., San Francisco, Cal	
6PY	Wight, Ralph W	412 Redondo St., Inglewood, Cal	
6RL	Wiley, Ralph W	1250 26th Ave., San Francisco, Cal.	
6PS	Wilkins, Roy A	532 N. 17th St., San Jose, Cal	
6AAM	Willey, Oscar F	292 King St., Santa Cruz, Cal	
6JL	Williams, John C	1202 8th St., Oakland, Cal	
6RZ	Williams, Roy D	554 Pine Ave., Long Beach, Cal	
6NV	Williams, Theodore T	554 Pine Ave., Long Beach, Cal. 295 California Ter., Pasadena, Cal.	1
6BH	Williamson, Harry	10 S. Church St., Redlands, Cal	1
60 G	Willis, Fred S	2140 California St., Eureka, Cal	
6QB	Wilmot, Allen G	2114 3d Ave., Los Angeles, Cal	
6AGW	Wilson, Gerard	363 S. 11th St., San Jose, Cal	1
6NP	Wilson, J. Vernon	Encanto, Cal	1
6NB	Winter, Gilbert H	1742 Bushnell Pl., Berkeley, Cal	
6FW	Wisner, Fred L	1346 30th St., San Diego, Cal	1
6JV	Worthington, Jack	548 37th St., Oakland, Cal	
6SV	Wright, F. Harlow	Orange Cove, Cal	
6RT	Wright, Harry E	935 Harrison St., Oakland, Cal	
6TC	Wright, Howard E	315 Alvarado Court, Pomona, Cal	1
6TY	York, Darwin E and Guy A.	1001 W. 1st St., Santa Ana, Cal	
6MQ	Zangraft, Thomas J	479 Cypross St., Pasadena, Cal	1

ALPHABETICALLY BY CALL SIGNALS.

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

_ 150 -

AMATEUR RADIO STATIONS-Continued.

SIXTH DISTRICT—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
6AHN	Newnan, Harold. Green, Alfred.	6DJ	Merritt, Lawrence G. Mundt, C. S. Higgy, Robert. Whisman, Ray. Briare, William N., jr.	600	Summers, J. W.
6AI	Green, Alfred.	6DK	Mundt, C. S.	6GP	Post, George W.
6AJ	Bean, James.	6DM	Higgy, Robert.	60Q 60R	Thurman, A. C.
6AK	I MINIMP AIDMY	6DO	Whisman, Ray.	6GR	Brown, Clarence C.
6AKA	Whiting, Edmund W.	6DP	Briare, William N., jr.	608	Johnson, Phillip.
BALA	Whiting, Edmund W. Wells, Herbert. Stuart, Burton G.	6DQ		6GT	Knudsen, George. Anzini, Deniel I.
6ALB	Pelban Planed	6DR	Laverty, F. B. Sikes, C. W.	6GU	Anzini, Daniel I.
BALD	Erikson, Elwood. Dye, Leland. Benn, Julius.	6DS	Underwood, Ernest G.	60 W 60 X 60 X	JUDES, ALITEU HEILTY.
6AM	Benn Inline	6DT 6DU	Whitworth George	80 ¥	Werner, George W., jr Long, Herman.
6AO	Bargar, Avery E.	6DV	Whitworth, George. Bales, Edward M.	60 Ŷ	Champion, W.
6AP	Chase, John H.	6DX	Wheelock, Charles D.	6GŽ	Kern County High
6AQ 6ARC	Bargar, Avery E. Chase, John H. De La Crus, George.	6DZ	Welch, Gerald.	"""	School.
6ARC	Anderson, Andrew. Dow, Clifford.		1,		
6ARD	Dow, Clifford.	6EA	Seefred, H. C.	6HA	Kreamer, John A.
GARG	Gerwing, Robert 8.	6EB	Bazzini, E. M. H. Lewis, H. E.	6HB	Hunt, Homer.
6ASR	Browning, Samuel D.	6EC	Lewis, H. E.	6HD	Dickow, H.
6AT	Heer, A. A., jr. Clark, Paul U.	6ED	I Farish, Edward F.	6HE	Dickow, H. Castro, Morris. Hart, Gardner Lloyd.
6AU	Clark, Paul U.	6EE	Bühimer, S. J. Poage, Edward.	6HG	Hart, Gardner Lloyd.
8¥₩	Cullen, Paul.	6EG	Poage, Edward.	H3 H3	A WOODEN, MOLLY.
6AY 6AZ	Schneider, August G.	6EH	Welton William P	020	McIntosh, Harold St.
OAL	Springman, Arthur.	6EK	Taylor, Frank. Walters, Wilbur E. Etierle, Chrissie.	6HK	Robert II D
6BA	Wadsworth, C. E.	ARW	McCuire Edward	6HL	Schenck, H. P. Linhoff, Harold.
6BB	May Howard	6EM 6EN	McGuire, Edward. Miller, Elmer.	6HM	Murphy, Harold J.
6BC	Oldham, William, ir.	6EO	Sefton, Binger.	6HN	Fredericksen, C. J.
6BD	May, Howard. Oldham, William, Jr. Carter, E. Stewart. Birkeland, Andrew.	I SEP	Setton, Binger. Sharon, E. F. Robert. Jonathan L. Palier, Norman.	I 6HO	Murphy, Harold J. Fredericksen, C. J. Ardenyi, William A. Stonehocker, Harold.
6BE	Birkeland, Andrew.	6EQ	Robert, Jonathan L.	6HP	Stonehocker, Harold.
6BF	L LOMOIT MERGE M.	6ER	Paifer, Norman.	6HR	I KOYUMI. Derbert.
6BG	I Graces, John.	6E8	Schoeler, Carl. Fenner, Paul R. Michelson, Melvin O. Bertin, Edwin.	6 <u>H8</u>	Schnarr, H. J. Walters, William.
6BH	I WILLIAMSON, HATTY, I	6ET	Fenner, Paul R.	6HT	Walters, William.
6BI	Moore, Erre.	6EU	Michelson, Melvin O.	6HU	Rutledge, Ralph.
6BJ	Moore, Erra. Bunting, Lawrence. Talbott, Paul H.	6EW	Bertin, Edwin.	6HV	Rutledge, Ralph. Ferrill, H. E. White Howard
6BK	Patterin Took	6EX 6EY 6EZ	Remelin, Eldred Lea. Watson, Edwin A. McHolland, Ray-	6HW	White, Howard. Hare, Robert. Davidson, Merritt.
6BL 6BN	Montees Leonard a	OF I	Walter Land Der	6日文	Davidson Merritt
6BO	Wettoon Stanley	952	mond.	6HZ	Roe, Charles.
6BQ	Betterly, Jack. Mentser, Leonard. Mattoon, Stanley. Arbing, Bartley. Peelle, Russell. Green, Carl, Jr. Cantelow, Elbridge M. Wille.			\ \tag{11.2}	100, Charles.
6BR	Peelle Russell	6FA	Amberger, F. Ir.	6IA	Griffiths, Walter
6B8	Green, Carl, Ir.	6FB	Arnberger, F., jr. Rutherford, Paul.	-	Mayne.
6BT	Cantelow, Elbridge M.	6FC	I Isham, Cariton.	6IB	Mayne. Bauchou, Leon J. Austin, Russell Fred-
6BU	Mills, Harry. Munzig, Arthur.	6FE	Wickersham, Harry	6IC	Austin, Russell Fred-
6BV	Munzig, Arthur.		I N. I		erick.
6BX 6BY	Lankston, Jesse M. Thorson, Robert. Fickas, William.	6FF	Cosgrove, Clarence E. Bauman, W.	6ID	Barton, Harry. Farwell, Ivyn.
6BY	Thorson, Robert.	6FG 6FH	Bauman, W. Rutzen, F.	6IF	Farwell, Ivyn.
6BZ	Fickas, William.	6FH	Rutzen, F.	HI9	Hazelton, Ralph L. Provinse, Floyd. Boehme, Herbert.
40.4	Zamell Charles to	6FI	Eveleth, Harlan A.	6II	Provinse, Floyd.
6CA 6CB	Lowell, Charles, jr.	6FJ	Barnum, Colt L.	61K	Oretrinore Clerence
₩CC	Confold Conton P	6FL 6FM 6FN	High. Freeman. Carroll, Russell W.	6IL	Mahler, James J., jr.
6CD	Abbott Clare C	APN	Deetkin Fred	MIB	Townsend, Irye.
6CE	Bascom, C. N. Canfield, Carlton E. Abbott, Clare C. Clark, J. R.	6FO	Stubbe Frank	8IN	I Awalling, Raymond.
6CF 6CH	Curtis, Burbank.	6FP	Detkin, Fred. Stubbe, Frank. Parke, Francis M. Foster, Harold M.	OI9	Shaffer, John.
6CH	Raley, M. Le Roy.	6FQ	Foster, Harold M.	I GIP	Marsh, Hallan.
6CI	Curtis, Burbank. Raley, M. Le Roy. Hillen, Russell W.	6FQ 6FR	Salome, Frederick W. Short, F. A.	61Q 618	Shaffer, John. Marsh, Hallan. Robertson, Orlyn. Andrews, Carl.
6CK	Spencer, Edward R. Cosby, Mark Barrett. Phillips, Carroll J. Hendricks, Charles F. Pickard, Clifford. Kampe, Hosea	6F8	Short, F. A.	618	Andrews, Carl.
6CL	Cosby, Mark Barrett.	6FU	I MITTORP. C. I).	6IU	Hutchingon, Howard
6CM	Phillips, Carroll J	6FV	Foulon, Fred.	47***	W. Muller, Lloyd.
6CN	Hendricks, Charles F.	6FW	Foulon, Fred. Wisner, Fred. Bonar, Perry.	6IW	muller, Lloyd.
6CP	rickard, Clifford.	6FY	Bonar, Perry.	6IY	Plimpton, Roe.
6CQ	DESCRIPCION AND ONCO.	6FZ	Schroeder, Arthur R.	6JA	Knight Ismas B
6CR 6CB 6CT	Potter, Lee.	804	Andrews Comland	NA NB	Knight, James B.
ACT	Webber, F. Seidel, William.	6GA 6GB	Andrews, Gaylord. Roberts, Edwin D.	arc arc	Tassey, Glenn. Kulish, John, jr.
M:V	Anderson Donald a	6GC		ND N	Rinney, John
6CX	Anderson, Donald S. Whitehead, Stanley.	6GD	Green, H. A. Fackrell, G. O. Corpe, G. S.	NF.	Binney, John. Mead, John H.
6CX 6CY 6CZ	Lundy, Elmer.	6GE	Corpe. G. S.	OJE OJG	Homand, James
6CZ	Lundy, Elmer. Tubbs, Ernest A.	60F	Farmer, Gordon.	ŨĦ	Homand, James. Koepfii, Jos. B.
	,	600	Parmer, Gordon. Malarin, Henry.	631	Wagnon, E. B.
6DA	Bolton, Herbert B.	6GH	McCartny, J. J.	6JJ	Klahn Leander
6DC 6DD	Hibbard Charles ir.	1 6G1	Rothe, Charles.	OM OM	Williams, John.
6DD	Stagi, Guadenzio	6QJ	Kichardson, U. E.	01₩	MoCargar, J. L.
6DE	Stagi, Guadenzio. Davidson, James D. Buckner, H. E.	60 K	Hayden, Gordon L.	I 6JN	Williams, John. McCargar, J. L. Livesay, J. Russell. Hayden, Jack.
6DF	Buckmer, H. E.	6GL	Van Aukon, G. L.	610	Hayden, Jack.
	I INITO. GIV.	6GM	Mackin, George R.	6JP	Clark, John. Carroll, Lionel.
6DH	Duffy, Guy. Grimes, W. Frank.	6GN	Grossnickle, Russell	6JQ 6JR	Compil Titonal

SIXTH DISTRICT—Continued.

Call aignal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of reation.
678	Squires, John E.	6MW	Lauritsen, Albert	6PY	Wight, Ralph W.
6JT	Squires, John E. Tibbitts, Jonathan C.		Miller.	6PZ	Wight, Ralph W. Brown, Robert L.
6JU	Tait, Jack.	6MX 6MY	Macurda, Malcolm.		1
6JV	Worthington, J.		Johnston, Robert.	6QA 6QC 6QD	Myers, Harry.
ei M	Meyer, Joseph.	6MZ	Stoudt, Frank L.	6QC	Perry, Oliver.
OX OY	Humpher Fettl	6NA	Nieleon Anders	100 P	Clement Heber
ũŽ	Meyer, Joseph. Pollitt, Chalmer L. Humphrey, Estil. O'Nelll, Frank Mur-	6NB	Winter, Gilbert H.	408	Clements F. P.
	ray.	6NB 6NC	Nielson, Anders. Winter, Gilbert H. Gould, William. Breck, F. B.	60E 60F 60G 60H	Perry, Oliver. Finley, W. E. Clewett, Heber. Clements, F. P. Nelson, Martin A. Flaig, Philip. Crissman Robert
		6ND	Breck, F. B.	6QH	Flaig, Philip.
6KA	Dickey, Herbert A. Olmstead, Charles.	6NE 6NF	Thompson, Lioya.	6Q1	Crissman, Robert. Shannon, Thomas J
6KB 6KC	Olmstead, Charles.	6NF 6NJ	Newton, Francis. Cunningham,	6QJ	Shannon, Thomas J
6KD	Bolton, Herbert J.	0147		8OT	seph P. Gill, Fred M.
6KF	Dutton, Kingsley. Jackson, M.	6NK	Duncan, Harold. Sawyer, C. D. Carter, Kenneth. Bowen, Walter. Spaulding, L. J. Wilson, J. Vernon. Francis, Ernest R. Neville, Glenn. Salby. Charles, Lo.	6QK 6QM	Nickle, Harold A
6KI	Jones, Ernest P. Mills, Eldon Cecil. Neff, Cecil.	6NL	Sawyer, C. D.		l hart
6KJ	Mills, Eldon Cecil.	6NL 6NM	Carter, Kenneth.	6QN 6QP 6QR	Snider, Wallace. Vodra, George. Chase, Ralph N.
6KK	Neff, Cecil.	I ANN	Bowen, Walter.	6QP	Vodra, George.
6KM	Dalby, William. Davidson, George A.	6NO 6NP 6NQ 6NB	Spaulding, L. J.	6QR	Chase, Ralph N.
6KN 6KO	Chart Bolph Bon	ANO	Wilson, J. Vernon.	6QS	Henry, Willia Joseph.
OAO	Short, Ralph Ran-	ANG	Navilla Glann	80T	Dalton, Stuart P.
6KP	Miller, Murray	6NT	Selby, Charles Jo-	6011	Garretson, Oliver.
6KQ 6KR	Brennan, R. P.		seph.	60V	Kimm, George N.
6KR	Roitsch, George A.	6NU	Hennenstall, W. L.	60 W	Waters, John E.
6K8	Tilden, C. W.	6NW	I WAND MOTTROD I	6QT 6QU 6QV 6QW	Waters, John E. Baird, Maxfield A.
6KU	Brennan, R. P. Roltsch, George A. Tilden, C. W. Mealer, Loyal D.	6NU 6NW 6NX 6NY	Calvert, Paul. Bagley, William. Spicer, Clarence.	6QZ	Urban, Carl Henry
6KV	Hankins, Marvin J.	6NZ	Bagley, William.		Danka milata Dunasi
AYX	Hankins, Marvin J. Warriner, W. V. Thomas, Courte D.		Spicer, Clarence.	6RB	Barbagelata, Russel
6KW 6XX 6KZ	Smith, Harold.	60A	Adams, E. R.	6RC	Deardorff, Ralph V
		60B	Telmont, Hippolyte	6RD 6RE	Stoddard, Harold.
6LA	Parker, Ralph.		I R I	6RF	Closson, William.
6LD	Haskell, Charles. Lewis, Tony. Lohry, Ross B. Lee, George R.	60C	Wallace, Donald C. Foster, Lewis. Ostronik, Rudolph.	6RG	Moelris, Russell. Deardorff, Ralph V Stoddard, Harold. Closson, William. Downs, Robert.
6LE 6LF	Lewis, Tony.	60D 60E	Foster, Lewis.	6RH	Stamback, Rolle L. Hanchett, Robert.
6LG	Loury, Ross B.	60F	Verman Pobest	6RI 6RK	Hanchett, Robert.
6LH	Hunt, Lloyd F. Isaacs, L. R. Olmstead, William H. Fox, Irving Allen. Griffith, William.	60 <u>6</u>	Kroman, Robert. Waite, H. E.	6RM	Kelley, Roger M. Gabriel, E d war
6LI	Isaacs, L. R.	60H	Bonham, C. L.	0162	Loganh
6LI 6LJ	Olmstead, William H.	60H 60I	Bonham, C. L. Dawson, J. Percy.	6RN	Norton, Russell. Stonecipher, Charl Abrahamson, R.
6LK	Fox, Irving Allen.	60J	Peterson, Frank.	6RP	Stonecipher, Charl
6LL	Grimth, William.	60K	Dillon, Lyle.	6RQ 6RR	Abrahamson, R.
6LM 6LN	Erler, Robert. Long Beach Polytechnic High School.	60N	Hooves Peter	6RR	Herman, Edwar
ODA	nic High School	600	Waldon Myran.	6RT	William.
6LO	Lory, C. S.	6OP	Peterson, Odin. Hoover, Peter. Waldon, Myran. Altland, Comer P.	6RU	Wright, Harry E. St. Clair, Harold.
6LP	Lory, C. S. Gray, C. L.	60Q		6RV	Querolo, Louis.
6LQ 6LR	Duborg, George. Baker, Jesse Edgar.	6OR 6OT	Nielson, Fred. Tyler, Otto. Hawley, George N. Atkins, Carl.	6RW	Querolo, Louis. Garver, Oliver.
6LR	Baker, Jesse Edgar.	60T	Tyler, Otto.	6RX 6RZ	Dieterich, Martin. Williams, Roy D.
6L8	Cooksey, Claybourne	6OU	Hawley, George N.	6RZ	Williams, Roy D.
6LT	D. Farolita, Dominic A.	60V 60W	Schiedmantel, Oscar.	004	Granes Ocean
6LÛ	Oliver, Leslie.	60 X	Martin, Andrew W.	68A 68B	Spencer, Oscar. Clark, Jean H.
6LV	Passage, Raye.	6OX 6OY	Martin, Andrew W. Dodson, L. O. Sanford, J. Gordon.	68C	Sargent, Edward M
AT.W	Phelps, Allen G.	6OZ	Sanford, J. Gordon.	68D	Sargent, Edward M Shaffer, Charles.
6LX	Parkin, John.	454		6SE	Preston, Harold.
6LX 6LY 6LZ	Ladley, W. A. Burgess, Charles W.	6PA 6PB 6PC	Heling, E. C. Pagh, Val.	68F	Fuller, Etson Sidne
OLZ	Burgess, Charles W.	ADC	Pagn. Val.	68G	Themer, Francis.
6MA	Montgomery, Alvin	6PD	Bumbaugh, Harold. Somers, William.	68H 68I	MacQuarrie, Harole Hoyt, Leander L.
·	R.	l 6PE	Fleming, Robert.	68J	Lopez, John.
6MB	Jopson, Frank.	6PG 6PH	Spatafore, Joseph.	68K	Skaale, A. J.
6MC	McGown, Dudley B. Gregory, Marshall.	6PH	Spatafore, Joseph. Nelson, Harry.	68L	Skaale, A. J. Hart. Cedric Ellic Smith, Seth.
6ME	Gregory, Marshall.	6PI	Furman, Oliver.	68M 68N	Smith, Seth.
6MF 6MI	Fitzpatrick, Geraid.	6PJ	Gale, Paul.	65N	Edwards, Lewis. Parkin, Gladys K.
6MJ	Hooper, Herbert D. Hickman, Roger	6PK 6PL	Latta, Paul. Kubias, R. M.	680 68P	Rathbur Thanks
- ALL	Warma	6PM	Hamilton, O. J.	850	Rathbun, Theodor Fonseca, Arthur. Shelton, Dr. R. O.
6ML	Manning, Harold V. Moore, Norval E. Maher, Edward T.	6PN	Nesbit, Paul.	68Q 68R	Shelton, Dr. R. O.
6MM	Moore, Norval E.	6PO	Nesbit, Paul. Drath, Walter.	688	Morrow, James W.
6MN	Maher, Edward T.	6PQ 6PR	Thornton, George. Murkett, Philip T. Wilkins, Roy. Nulson, William B.	68T	Morrow, James W. Spencer, H. E.
6MO	Dargitz, Jesse L. Parson, William.	6PR	Murkett, Philip T.	68U 68V	Sutherland, C. Wright, Harlow.
6MP 6MQ	rarson, William.	6P8 6PT	Wilkins, Roy.	68V	Wright, Harlow.
AMA AMA	Anderson, Sante.	APT	Hamilton Howard	WSO	Anderson, Elroy E
6MR 6M8 6MV	Neher, Loyal A. McArdle, James J. MacMulien, Gerald.	6PU 6PV	Hamilton, Howard. Henn, C. W. Barlow, Roy.	68W 68X 68Y	Johnson, A. E. Josephs, Howard.
		6PX			

SIXTH DISTRICT—Continued.

ALPHABETICALLY BY CALL SIGNALS-Continued.

Cell signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
6TA 6TB	Nelk, T. J. Diets, Irwin.	6UK	Heald's Business Col-	6V8 6VT	Brundige, Reginald. Schleicher, Lorenz.
6TC	Wright, Howard.	6UL	Cordano, Dante H.	δŸŪ	Vonderheide, Harold
6TD 6TE	Dowling, Thomas. Heuter, Noble.	6UM 6UN	Schack, Fred. Shaw, William.	6VV	Wallan Parent
6TF	Seely, Frank.	6U0		6VY	Wallace, Forrest.
eTG	Blodgett, Harry.	800	Polkinghorn, Frank	6VZ	Kreiss, R. L. Strawn, Harold.
6TH	Fabian, Ernest.	6UP	Cresswell, Frank, jr.	OVZ	Buswii, Haioid.
6TI	O'Dell, James J.	6ŬQ	Thomson, C. E.	6WA	Van Why, Forbes.
6TĴ	Warner, Stafford W.	6UR	Link, R. L.	6WB	Moller, Wm., jr.
6TK	Robinson, Sidney E.	6ŬB	Gibson, Walter.	6WC	Kirby, H. F.
6TL	Grow, Frank.	6ŬT	Everard, Charles.	6WD	Martinelli, Ennio Ri
6TM	Lee, Howard.	6UU	Shaffner, Lucius.	•	ler.
6TN	Snyder, Andv B.	6UV	Fassett, Lee.	6WE	Tulp, Ralph.
6TO	McFern, Arthur.	6UW	Maynes, W. W.	6WF	Ford, Walter B.
6TP	Johnson, Harold.	6UY	Everharty, Lawrence.	6WG	Strong, William A.
STQ STR	Emmerton, Alfred.	6UZ	Schellenbach, Ray.	6WH	Fabling, W. D.
OTR	Farrill, Raymond.		I was a subsect of	6WI	Powell, Jos.
6TT 6TU	Stewart, Francis.	6VA	White, Richard.	6WJ	Bickel, John.
6TV	Barnett, Thomas. Seitel, T. Benton.	6VC 6VD	Cottwald, Eugene.	6WK	Nickels, Lee. Leland, Wallace.
6TW	Taylor, Hope.	6VE	Loudon, Donald F. Beraldo, Dewey.	6WM	Ludlow, William.
WT T	Thacker, R. M.	6VF	Leigh, P. P.	6WN	Klem, Cleve.
6TX 6TY	York, Darwin.	6VG	Fowler, L. D.	6WO	Walters. W. E.
ĕĪŽ	Christenson, Howard.	6VH	Blackstone, C. M.	6WP	Brown, N. C.
		6VI	Pressell, W. R.	6WQ	Cowles, John.
6UA	Asadorian, Theodore	6VJ	Kinsman, Jos. W.	6WR	Spare, Wilson.
	N.	6VK	Kemp. Victor.	6W8	Schneider, W. P.
6UC	Nusser, George.	6VL	Bell, Oran M.	6WT	Mann, Frank.
6UD	Bitz, Vernice.	6VM	Clark, Herbert.	6WU	Weddell, Clarence.
6UE	Kramer, Augustus A.	6VN	Carter, Robert.	6WV	Webb, Walter R.
6UH	Gates, Howard.	6VO	Lee, John.	6WX	Ebert, William.
6UI	Helmer, Glenn.	6VP	Redmond, Joseph.	6WY	Young, William.
6UJ	Day, E. C.	6VR	Sisson, W. L.	6WZ	Berringer, Hall.

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	
7EA 7KK	Adams, Edison	1131 South E St., Tacoma, Wash	
7DE	Aiken, Robert L	306 W. Mohawk St., Portland, Oreg	
70F	Allard, Ambrose	Evanston, Wyo	
7LC	Anderson, Leonard	218 9th Ave., N., Seattle, Wash	1.
7HA 7KJ	Andrews, Horton R	2105 45th St., SW., Seattle, Wash	1
7BJ	Baillargeon, George J	St. Martin's College, Lacey, Wash	1
7FD	Bancroft, Harvey	3024 Kromer Ave., Everett, Wash	
7JA	Barnhisel, Howard	505 North I St., Tacoma, Wash	
7BU	Barrell, Dana A	839 W. Pennsylvania Ave., Medford, Oreg	1.
7L8 7BF	Barrett, George G		1.
7BL	Bennett, John S.		
7QD	Benoit, Neville R.	869 S. 41st St., Tacoma, Wash	
7VB	Bird, Vernon J	406 W. 12th St., Vancouver, Wash	
7BA	Bishoff, Clarence L	7417 53d Ave. SE., Portland, Oreg	
7DJ 7PC	Blagen, Henry W		1.
70K	Bode, Hugo P.	6315 Beacon Ave., Seattle, Wash	
7DB	Bolstad, Archie L	1832 4th Ave., W., Seattle, Wash	
7TB	Borders, Lawrence	1084 Water St., Portland, Oreg	
7BT		Vancouver, Wash	
7HB	Breum, Helmer O	3416 S. Madison St., Tacoma, Wash 815 Kearney St., Portland, Oreg	1

SEVENTH DISTRICT-Continued.

Call ignal.	Owner of station.	Location of station.	Power
		593 15th St., Astoria, Oreg	Kw.
MK	Callender, Melville H. Carpenter, Edward L., jr. Carroll, Thomas M. Cates, Walter C. Cavender, Howard M.	593 15th St., Astoria, Oreg	0.
CT HE	Carpenter, Edward L., jr	119 E. 5th St., Aberdeen, Wash	
HE	Carroll, Thomas M	1913 E. Alder St., Seattle, Wash	
WC	Cates, Walter C	1704 Franklin St., Vancouver, Wash	1.
WC LI QF NA	Cavender, Howard M	511 Terry Ave., Seattle, Wash	
QF		3637 Woodland Park Ave., Seattle, Wash	
NA	Charlton, Chase	108 Galer St., Seattle, Wash	
CQ CV	Christianson, Herbert	112 W. Poplar St., North Yakima, Wash	
CV	Charlton, Chase Christianson, Herbert Clark, G. Warren.	Lents, Oreg	
AE NC	Clark, Gaylord S	Greybull, Wyo	
NC	Cools Dishard U	224 North I St., Portland, Oreg	,
RC EI	Craig Puscell F	1420 Division Ava. Tocome Work	1.
DC	Crockett George D	1420 Hawthorns Ave. Portland Oreg	1
DC CA	Croshy Edward I	508 F. Sharn Ava Snokana Wash	
HC	Cutting H. Everett	318 N. Black Ave. Bozeman Mont	
AC	Dailey, A. C.	3915 Colby St., Everett, Wash	1.
AC DP	Dann, Percy W	6315 63d Ave., SE., Portland, Oreg.	
HD	Davis, Hubert A	1904 Canoe Pl., Seattle, Wash	
ĀT	Deady, Joseph	1002 E. Jefferson St., Seattle, Wash	
00	De Guire, Olfan	Silverton, Oreg	1.
D	Clark, G. Warren Clark, Gaylord S Clodfelter, Nolan A. Cook, Richard H. Craig, Russell E. Crockett, George D. Crosby, Edward J. Cutting, H. Everett. Dalley, A. C. Dann, Percy W. Davis, Hubert A. Deady, Joseph. De Guire, Olfan. De Lacy, Clinton. Denham, Ray A.	1906 South J St., Tacoma, Wash	
E G	Denham, Ray A. Divine, Louis R. Drake, Edward F. Drinker, Russell.	3230 Campbell St., Baker, Oreg	1.
EM	Divine, Louis R	1010 E. 7th St., Vancouver, Wash	1.
DK	Drake, Edward F	2304 N. Anderson St., Tacoma, Wash	
DQ	Drinker, Russell	1003 Lynn Ave., Portland, Oreg	1.
VĎ	Du Cette, Victor	4023 Meridian Ave., Seattle, Wash	
NB	Duncan, Thomas W	802 Gerald Ave., Missoula, Mont	
DT CN	Emigh Charles	225 Cross Ct. Walle Walls Week	
DN	Engholm Barnard	0 N Oth Ave North Valing Wash	1.
FF	Farria Frank E	1010 Spring St Olympia Wash	1.
W	Fitznatrick George	3245 Ferdinand St. Seattle Wash	
FI	Fraser, James E	1105 West A St., North Yakima, Wash	
FK	Gale, Charles W	111 E. 48th St., Portland, Oreg.	
SG	Drinker, Russell. Du Cette, Victor. Duncan, Thomas W Dupea, Eldred E Emigh, Charles. Engholm, Bernard. Farris, Frank E Fitzpatrick, George. Fraser, James E Gale, Charles W Gianelli, Salver A. Gibbs, Francis F Goodner, Ernest F. Goodger, Donnan P Gratke, Charles E Grush, David R Hagen, Bert W. R. Hagen, Bert W. R. Hager, Clement S. Harder, Louis.	517 E. Sharp Ave., Spokane, Wash	1.
F	Gibbs, Francis F	512 E. 4th St., Hood River, Oreg	
1L	Goodner, Ernest F	Lincoln High School, Seattle, Wash	1.
II	Goodger, Donnan P	4214 Interlake Ave., Seattle, Wash	
JR	Gratke, Charles E	317 Grand Ave., Astoria, Oreg	
ND OF	Hogan Rart W R	217 N Miles Ave North Valrima Wach	
30 RI	Hager Clement S.	1019 E 54th St Tacoma Wash	
Ĵ	Harder, Louis Harding, James R. Harker, Theodore C. Hawkins, Edward K.	360 Hancock St., Portland, Oreg.	
I	Harding, James R	3431 Commercial St., Salem, Oreg	1
KC	Harker, Theodore C	920 Sumner St., Sheridan, Wyo	
KC EE	Hawkins, Edward K	1800 27th Ave. S., Seattle, Wash	
ОВ	Hawkins, Ernest P. Hayden, Henry T., jr. Heifort, Earle R. Henny, George C.	556 Grand Ave., Astoria, Oreg	
QE	Hayden, Henry T., Jr	Port Townsend, Wash	
OC	Hellort, Earle R	707 Lincoln St., Port Townsend, Wash	
3C FN	Hellower William I in	400 Hemlock St. Welens, Mont	
FB	Horstman Harschal I	207 4th St. La Granda Oreg	
0.0	Howard Cacil C	408 Renton St. Portland Oreg	
BQ GP	Hunter Guy A	518 Willow St. Port Townsond Wash	
Ĥ	Hurtt. John N	1067 E. Burnside St., Portland, Oreg	
EK	Ives, Jesse F	301 N. 32d St., Seattle, Wash.	10 8
AI P	Johnson, Clifford E	1004 N. Adams St., Tacoma, Wash	
P	Jolly, Charles W	507 Prospect Ave., Lewiston, Idaho	
L	Jones, Lloyd W	134 E. 45th St., Portland, Oreg	1 3
PJ P	Jones, Paul	Wheatland, Wyo	1 6
J	Henny, George C. Holloway, William L., jr. Horstman, Herschel J. Howard, Cecil C. Hunter, Guy A. Hurtt, John N. Ives, Jesse F. Johnson, Clifford E. Jolly, Charles W. Jones, Lloyd W. Jones, Paul Josephson, Carl L. Joyce, Theodore W. Keefe, Robert M.	638 Commercial St., Astoria, Oreg	
SV CR	Joyce, Theodore W	206 E. 19th St. N., Portland, Oreg	1
R	Keele, Robert M	121 Avenue D, Snohomish, Wash	1
80 V J	Keinath, Alvin	428 Hemlock Ft., Helena, Mont 807 4th St., La Grande, Oreg. 408 Benton St., Portland, Oreg. 518 Willow St., Port Townsend, Wash. 1067 E. Burnside St., Portland, Oreg. 301 N. 32d St., Seattle, Wash. 1004 N. Adams St., Tacoma, Wash. 507 Prospect Ave., Lewiston, Idaho. 134 E. 45th St., Portland, Oreg. Wheatland, Wyo. 638 Commercial St., Astoria, Oreg. 206 E. 19th St. N., Portland, Oreg. 121 Avenue D, Snohomish, Wash. 246 Going St., Portland, Oreg. Tillamook, Oreg.	1
4 J	Verteen Rose T	2001 F 98th St Portland Orac	1
C	Kavas John A	1004 North K St. Tagoma Wash	1
RK C VK	Klaist Walter A	121 Avenue D, Snohomish, Wash 246 Going St., Portland, Oreg Tillamook, Oreg 322½ E. 28th St., Portland, Oreg 1004 North K St., Tacoma, Wash 902 S. Yakima Ave., Tacoma, Wash 603 E. Davis St., Portland, Oreg 4745 N. 11th Ave., Seattle, Wash 733 E. 38th Ave., Spokane, Wash Forest Grove, Oreg R. F. D. No. 2, Lewiston, Idaho 506 Mill St., Portland, Oreg Evanston, Wyo.	1
0.7	Koehler, Frank A	603 E. Davis St., Portland Oras	1
v	Kraft, Vincent I	4745 N. 11th Ave., Seattle, Wash	1
KO V	Larson, Elwood A	733 E. 38th Ave., Spokane, Wash	
II	Learned, George H	Forest Grove, Oreg.	1
Q.	Lewis, Harold H	R. F. D. No. 2, Lewiston, Idaho	1
L	Ling, Frank Moy	506 Mill St., Portland, Oreg	
Lo	Linelan Home	Eventon Wwo	

SEVENTH DISTRICT-Continued.

Call ignal.	Owner of station.	Location of station.	Power
			Kw.
HL	Longmire, Harold D Ludgate, Wallace, jr Lunan, Leslie	408 32d St. S., Tacoma, Wash	0.
LU	Ludgate, Wallace, jr	2190 Alki Ave., Seattle, Wash	
LL	Lunan, Leslie	806 South M St., Tacoma, Wash	
LN	I LVMAN, KOHO	I MID N. AVA. LA UFADGA UFER	
LB	Mahan, Le Roy J	644 Exchange St., Astoria, Oreg. 4730 20th Ave. NE., Seattle, Wash. 2022 S. Adams St., Tacoma, Wash.	1.
IK IT	Matthews, Harold L	2022 S. Adams St. Tacoma Wash	1.
3L	Manca, Angelo C	1816 E. Jefferson St., Seattle, Wash.	
MQ	Managed A M to	419 Contag Ct Contale Work	
DL	Mason, Dwight A. Mason, Howard F. Maybee, Loren C. McCord, David T. W. McCoy, Harry. McDermott, Thomas II.	018 Spring St., Seattle, Wash. H17 N. 13th St., Tacoma, Wash. 3566 Morgan St., Seattle, Wash. 104 Depot St., Milton, Oreg.	1
ML	Mason, Howard F	3566 Morgan St., Seattle, Wash.	
3A	Maybee, Loren C	104 Depot St., Milton, Oreg	
LM.	McCord, David T. W	251 St. Clair St., Portland, Oreg. 116 N. Washington Ave., Centralia, Wash. 339 26th Ave., Seattle, Wash. 301 N. Grand Ave., Bozeman, Mont.	
U	McCoy, Harry	116 N. Washington Ave., Centralia, Wash	1
U P DD	McDermott, Thomas H	339 26th Ave., Seattle, Wash	
D.D.		Spileton Week, Bozeman, Mont	
43	McKinnon, Daniel	Vehalem Orog	1
ij	Miller Clinton E	394 11th St. Portland Oreg	١,
M	Miller E Clarence	504 E. Republican St., Seattle, Wash	
(F	Miller, George C	1005 E. Division Lane, Tacoma, Wash	1
MC	Minkler, Darrell	9 Mistletoe St., Medford, Oreg	i
4W	Mead, Watter J Miller, Clinton E. Miller, E. Clarence Miller, George C. Minkler, Darrell Mitchell, Walter L.	3613 Densmore Ave., Seattle, Wash	
A.G		4118 Tyler St., Tacoma, Wash	
AF	Moore, Alvin	634 E. 56th St., Portland, Oreg	
AF QN NK	Moore, Alvin Moore, E. H. Nelson, Julius F.	301 N. Grand Ave., Bozeman, Mont. Spiketon, Wash. Nehalem, Oreg. 394 11th St., Portland, Oreg. 504 E. Republican St., Seattle, Wash. 1005 E. Division Lane, Tacoma, Wash. 9 Mistletoe St., Medford, Oreg. 3013 Densmore Ave., Seattle, Wash. 4118 Tyler St., Tacoma, Wash. 4124 E. 56th St., Portland, Oreg. Queene Anne High School, Seattle, Wash. Rathdrum, Idaho.	
NK	Nelson, Julius F		1
ND	Nicholson, W. Otto	4008 Foot V St. Tocome Work	1
H LD	Nicholson, W. Otto Nilsen, George A. Noel, Lionel S. Norman, Stacy W. O'Connell, John. O'Connor, William C. Ormsby, Major. Palmer, Robert S. Patterson, Fred.	4028 East K St., Tacoma, Wash. Snohomish, Wash. 137 79th St., Seattle, Wash.	
NE	Norman Stacy W	137 79th St., Seattle, Wash	
185	O'Connell, John	1104 O Ave., La Grande, Oreg.	
A	O'Connor, William C	1104 O Ave., La Grande, Oreg	
MC	Ormsby, Major	438 S. Center St., Casper, Wyo	1
PK	Palmer, Robert 8	1321 Columbia St., Hood River, Oreg	
DA DM PK PL	Patterson, Fred	438 S. Center St., Casper, Wyo. 1321 Columbia St., Hood River, Oreg. 865 Williams Ave., Portland, Oreg. 4916 Wallingford Ave., Seattle, Wash.	1
P	Peek, Loyd A Peterson, Edward T Pinkman, Herbert N	4916 Wallingford Ave., Seattle, Wash	
EP	Peterson, Edward T	718 E. Ash St., Portland, Oreg. 1330 8th Ave., Seattle, Wash. 4118 9. Grand Blvd., Spokane, Wash.	1
HN VP	Pinkman, Herbert N	4118 & Grand Rivel Spokane Week	í
PÔ	Poole Orall A	Wallowa Oreg	
WP	Ralston, Graham W	Port Townsend, Wash	
18	Pitner, Vearl	215 E. 9th St., Ellensburg, Wash	
PF	Rasmussen, Viggo P	1215 Hudson St., Port Townsend, Wash	
GQ	Ray, James	2028 6th Ave., Seattle, Wash	
GQ	Rasmussen, Viggo P. Ray, James. Reeder, Ardis H. Reichert, Howard G.	4118 S. Grand Blvd., Spokane, Wash. Wallowa, Oreg Port Townsend, Wash. 215 E. 9th St., Ellensburg, Wash. 1215 Hudson St., Port Townsend, Wash. 2028 6th Ave., Seattle, Wash. 412 South K St., Tacoma, Wash. 1014 E. 30th St., Tacoma, Wash. 143 Matte St., Meaderville, Mont. 905 S. Jersey St., St. Johns, Oreg 267 9th St., Astoria, Oreg	1
HR	Reichert, Howard G	1014 E. 30th St., Tacoma, Wash	1 1
IN	Richards, John, Jr Root, Charles W Rose, Donald W Rosedale, Archie E.	005 & Jargay St St Johns Ores	
AV BN	Pose Donald W	717 Lunn Ave Portland Oreg	1
AP	Rosedale Archie E	267 9tn St., Astoria, Oreg	
kD	Runyard, A. Don	706 Dakota St. Medford Oreg	1
FR	Rush, Floyd M	930 S. 13th St., Salem, Oreg	
RF	Rybert, Roy E. Samms, Philip C.	930 S. 13th St., Salem, Oreg. 525 Federal Ave., Seattle, Wash. 415 9th Ave. S., Pocatello, Idaho.	
3P	Samms, Philip C	415 9th Ave. S., Pocatello, Idaho	. 1
8	Sanborn, Ned. Schurch, Edward C. Smeak, Earl.	1501 M St., Hoquiam, Wash. Deer Lodge, Mont. 490 Morrison St., Portland, Oreg. 1029 Walnut St., Baker, Oreg. 446 6th St., Portland, Oreg. 932 W. 63d St., Seattle, Wash. 866 South I St., Tacoma, Wash.	
BD	Schurch, Edward C	100 Marriagn St. Portland Ones	
BK BC	Sporks A Fldon	1020 Wolnut St. Ruker Oreg	
GE	Spancer Guy E	446 6th St. Portland, Oreg	1
WS	Sparks, A. Eldon Spencer, Guy E. Sparrow, William T.	932 W. 63d St., Seattle, Wash	1
28	Spike Cilfford	806 South I St., Tacoma, Wash	
MR	Spiker, Emmet E	715 10th St., Lewiston, Idaho	
R8	Starr, Eugene C	Falls City, Oreg	
RS MS	Spiker, Emmet E. Starr, Eugene C. Steensen, Mark D. S.	206 N. Nachez Ave., North Yakima, Wash	
LV	Stenso, Alvin	1922 South J St., Tacoma, Wash	1
BJ	Stewart, Glenn R	111 W. SUN St., Ellensburg, Wash	1
SL	Stenso, Alvin Stewart, Glenn R. Stinson, Leo Stoner, Lloyd E. Swan, Emil	715 10th St., Lewiston, Idaho Falls City, Oreg. 206 N. Nachez Ave., North Yakima, Wash 1922 South J St., Tacoma, Wash 111 W. 8th St., Ellensburg, Wash. 2428 Pacific Ave., Hoquiam, Wash R. F. D. No. 1, Astoria, Oreg. 1461 Portsmouth Ave., Portland, Oreg. Camas, Wash.	
8F 8W	Swep Fmil	1461 Portsmouth Ave Portland Oreg	
RH		Camas Wash	1 '
DH	Tennican, Leonard 8	Camas, Wash. 4016 Colby Ave., Everett, Wash. 2128 8. Wilkeson St., Tacoma, Wash.	
NF	Tingstad, Anton R.	2128 8. Wilkeson St., Tacoma, Wash	
NF JR	Tolmie, Mack R.	4016 Colby Ave., Everett, Wash. 2128 S. Wilkeson St., Tacoma, Wash. 1213 Columbia St., Seattle, Wash. 909 Madison St., Port Townsend, Wash. 2730 E. 53d St., Seattle, Wash.	
RT PG	Trapeur, Robert E	909 Madison St., Port Townsend, Wash	
	1 (T) 2 . 11 TY 1 3 /	1 0770 F 524 Ct Conttle Week	1

SEVENTH DISTRICT-Continued.

ALPHABETICALLY BY OWNERS OF STATIONS—Continued.

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

ALPHABETICALLY BY CALL SIGNALS.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
7AC	Dailey, A. C.	7DT	Dupea, Eldred C.	7JH	Hurtt, John N.
7AE	Clark, Gaylord S.	Ϊ́DŪ.	McCoy, Harry.	771	Harding, James R.
7AF	Moore, Alvin.	7DV	Sheard, Harold P.	ŻΪK	Wilson, John C.
7AG	Moe, Edwin C.	7DW	Willis, Cecil D.	7JL	Jones, Lloyd W.
7 A I	Johnson, Clifford E.		Wall, Soul D.	7JN	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.	7EG	Denham, Ray A.	7JR	Tolmie, J. R.
7AV	Root, Charles W.	7EH	Noorlin, Paul V.	778	Ramsey, James 8.
•		7EI	Craig, Russell R.	ŻJŨ	Tuerck, John K.
7BA	Bischoff, Clarence L.	7EK	Craig, Russell R. Ives, Jesse F.		I date, comb it.
7BA 7BF	Bay, Frank W.	7ĒM	Divine, Louis R.	7KC	Harker, Theodore C.
7BL	Bennett, John S.	7EN	O'Connell, John.	7ŘH	Adams, Alfred L.
7BN	Rose, Donald W.	7EP	Peterson, Edward T.	7KI	Harrington, H. O.
7B0	Keinath, Alvin.	7EY	Young, Farrel.	7ŘĴ	Armstead, James H.
7BQ	Howard, Cecil C.		- oung, ruren	7KK	Adams, LeRoy F.
7BT	Boslar, Orin E.	7FD	Bancroft, Harvey.	7KM	Watkins, Leslie W.
7BŪ	Barrell, Dana A.	7FF	Faris, Frank E.	7KO	Koehler, Frank.
7BV	Joyce, Theodore W.	7FI	Fraser. James E.	7KR	Keefe, Robert M.
7BW	Williams, Charles E.	7FJ	Miller, Clinton E.		record, record of ar.
		7FK	Gale, Charles W.	7LB	Mahn, LeRoy J.
7CA	Crosby, Edward J.	7FL	Ling, Frank Moy.	7LD	Noel, Lionel 8.
7CD	Delancey, Clinton.	7FP	Trumbull, Wm. L.	7LF	White, Lester T.
7CJ	Josephson, Carl L.	7FQ	Lewis, Harold H.	7LI	Cavender, Howard M
7CK	Larson, Elwood A.	7FR	Rush, Floyd M.	7LJ	Harder, Louis.
7CN	Emigh, Charles.	7F8	Horstman, Herschel J.	7LL	Lunan, Leslie.
7CP	McElwee, James.		,,	7LN	Lyman, Rollo,
7CQ	Christianson, Her-	70B	Butterfield, Geo. H.	71.P	Peck, Loyd A.
•	bert.	70C	Henny, George C.	7LQ	Lindey, Harry.
7C8	Spike, Clifford.	7GE	Spencer, Guy E.	7L8	Barrett, George G.,
7CT	Carpenter, Edw. L.,	7GF	Gibbs, Francis F.	7LU	Ludgate, Wallace C.
•	ir.	7GL	Manca, Angelo C.		ir.
7CV	Clark, G. Warren.	7GO	Hagen, Bert W. R.	7LV	Stense, Alvin.
		7GP	Hunter, Guy A.	7LW	Wollaston, A. L.
7DB	Bolstad, Archie L.	7GQ	Reeder Addis H.		,
7DC	Crockett, George D.	7GR	Gratke, Charles E.	7MA	Wiley, Irving R.
7DE	Aiken, Robert Leon.			7MF	Miller, George C.
7DH	Tennican, Leonard S.	7HA	Andrews, Horton R.	7MJ	Mead, Walter J.
7DI	Goodger, Donnan.	7HD	Davis, Hubert A.	7MK	Callender, Melville H
7DJ	Blagen, Henry W.	7HE	Carroll, Thomas M.	7ML	Mason, Howard F.
7DK	Drake, Edward F.	7HK	Mahler, Harold E.	7MR	Spiker, Emmett E.
7DL	Mason, Dwight A.	7HL	Longmire, Harold D.	7M8	Steenson, Mark.
7DM	Minkler, Lee D.	7HN	Pinkman, Herbert N.	7MT	Matthews, Harold.
7DN	Engholm, Bernard.	7HO	Hawkins, Ernest P.	7M W	Mitchell, Walter.
7D0	Deguire, Olfan,	7HQ	Hayden, Harry T., jr.		1
7DP	Dann, Percy W.	7HR	Reichert, Howard G.	7NC	Clodfelter, Nolan A.
7DQ	Drinker, Russell.	7HY	Hicklyn, Harold H.	7ND	Grush, David R.

SEVENTH DISTRICT-Continued.

ALPHABETICALLY BY CALL SIGNALS—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal,	Owner of station.
TNP	Tingstad, Anton R.	7QD	Benoit, Neville R.	78L 78N	Stinson, Leo.
7NH 7NI 7NK	Nilson, George A. Learned, George H. Nelson, Julius F.	7QF 7QN	Chaffee, Arthur L. Moore, E. H.	78 P 78 W	Norman, Stacy W. Samms, Philip C. Swan, Emil.
7NL 7NB	Goodger, Ernest F. Senborn, Ned.	7RC 7RD 7RF	Cook, Richard H. Runyard, A. Don.	7 T B	Borders, Lawrence.
70 A	O'Compor, William C.	7RH 7RI	Ryeberg, Roy E. Tesson, Robert. Hager, Clement 8.	7VA 7VB	Vreeland, Thad. Bird, Vernon.
70C 70F 70K	Heifort, Earle R. Allard, Ambrose. Bode, Hugo P.	7RK 7R8	Kertson, Ross J. Starr, Eugene C.	7VD 7VN	Ducette, Victor N. Van Olinda, O. 8.
70M 70N	Ormsby, Major. Nicholson, Wm. O.	7RT 7RW	Trapeur, Robert E. Wright, Raymond F.	7VP 7VW	Pitner, Verál. Fitzpatrick, George.
7 PF	Resmussen, Viero P.	78 A 78 C	Maybee, Loren C. Sparks, Aurelius E.	7WA	White, Ruel. Cates, Walter C.
7PG 7PJ	Truesdell, Herbert M. Jones, Paul.	78D 78F	Schurch, Edward C. Stoner, Lloyd E.	7WJ 7WK	Kennedy, Will. Kleist, Walter A
7PK 7PL	Palmer, Robert 8.	78G 78H	Gianelii, Salver A. Schrotke, Christian.	7WL 7WP	Wilson, Herbert A. Ralston, Graham W
PO PV	Patterson, Fred. Poole, Orell A. Kraft, Vincent I.	78I 78J	Weagel, S. A. Stewart, Glenn R.	7WR 7W8	Walling, Raymond. 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.
8É8	Aber, Ernest M., Jr	352 W. Ferry St., Buffalo, N. Y	
8BT	Ackerman, Edmund K	1698 E. 90th St., Cleveland, Ohio.	1.
BVO	Ackerman, John T., jr	330 Mathewson St., Flint, Mich	1.
BARX	Ackley, William J	72 Halstead Ave., Buffalo, N. Y	
BAOR	Adams, Joy C	48 N. Wabash Ave., Battle Creek, Mich	. 1.
BUY	Adams, Lucius O	85 De Russey St., Binghamton, N. Y	. 1.
BAKU	Adams, Miles R	Sanitaria Springs, N. Y	
BALN	Addis, Roy R		1.
BDZ	Aker, Ellison E	520 Woodward Ave., Lima, Ohio	1.
BAEQ	Albertson, W. Charles		
BRL	Alexander, Frank	34 Asbury St., Rochester, N. Y	
BALE	Alexander, Lot and Hoge		
BRS	Alger, Allan E		
AMJ	Allan, Donald		
BWC	Allyn, William P		
BAMG	Altdoersfer, Frank H		
RN	Altman, Allen R	6710 Hudson Pl., Pittsburgh, Pa.	. 1.
BAJO	Amann, Joseph C	393 Oak Hill Ave., Youngstown, Ohio	
TX	Anders, Harry R	Decatur, Mich. 631 E. 127th St., Cleveland, Ohio.	
JW	Anderson, Joseph D	631 E. 12/th St., Cleveland, Ohio	. 1.
BAAB	Anderson, L. R	Youngstown, Ohio	
KH	Angel, Jay L		
RAMO	Ankerman, Roy E		1.
BAGG	Anton, William G		
RD W	Apger, Charles O	555 18th St., Detroit, Mich	
NL	Appel, Floyd		
NO	Arenson, William	241 W. Exchange St., Akron, Ohio.	1.
UN	Arthurs, Biddle, jr.	3046 Centre Ave., Pittsburgh, Pa	1
APM	Auten, George C	Oberlin Obio	1.
ADY	Atkinson, Earl W	Oberlin, Ohio	1
ACR	Atkinson, Ward I	95 Rutgers St., Rochester, N. Y	
RANO	Baisley, J. Everett	32 George St., Wyandotte, Mich	
APK	Bachtel, Alfred	Akron, Ohlo	
RAAW	Baer, Walter D	350 Graham St., Pittsburgh, Pa	1
ARF	Ballie, Howard L	264 W. Church St., Newark, Ohio	
RAKC	Bain, Ovid		
RAJI	Baker, Gerald M.	123 Market St., Edinboro, Pa	

EIGHTH DISTRICT-Continued.

Call signal.	Owner of station.	Location of station.	Powe
			Kw
8FF 8VP	Baker, Raymond 8 Ball, Alfred	39 Steele Ave., Gloversville, N. Y. Hubbard, Ohio	1
80M	Rolelay James I	Hubbard, Ohio. 109 S. Cottage Ave., Connellsville, Pa. 243 E. College St., Oberlin, Ohio	1
8AEH	Balsley, James I	243 E. College St., Oberlin, Ohio	
RFW	Banes, Charles C. A. Barker, Gilroy. Barnes, Orton S.	143 Chess St., Monongahela City, Pa	
8NU 8WW	Barker, Gilroy	2901 W. Liberty Ave., Dormont, Pa	1
8W W	Barnes, Orton S. Barnhett, Walter J. Barnhart, Walter. Barr, Forrest L. Barris, Allen. Baston, Howard. Basinger, Roswell. Baumgardner, Donald G. Beach, Walter R. Beaman, Paul S. Bearne, George L.	215 Main St., Bingnamton, N. Y	
8CC 8QE	Barnett, Walter J	Reguer Pa	
8AB	Barr. Forrest L	R. F. D. No. 1. Vickery, Ohio	
8ADW	Barris, Allen	R. F. D. No. 4, Silver Creek, N. Y	
8AT	Barton, Howard	3 Clay St., Le Roy, N. Y	
8QX 8ACT	Basinger, Roswell	Columbus Grove, Onio	
8SI	Reach Walter R	2180 F 90th St Claveland Ohio	
8AFU	Beaman, Paul S	91 Mill St., Binghamton, N. Y.	
8JB	Beare, George L	Columbus Grove, Onlo Demster, N. Y. 2180 E. 90th St., Cleveland, Ohio 91 Mill St., Binghamton, N. Y. Columbus Ave. and Washington Row, Sandusky, Ohio.	
8TZ	Beasley, Ira E	S. Bell Ave., Lakewood, Ohio	
8KF	Beasley, Ira E Beck, Frank G	Ohlo. S. Bell Ave., Lakewood, Ohlo. 119 Pennsylvania Ave., Greensburg, Pa. 885 West Ave., Buffalo, N. Y. 514 Jarvella St., Pittsburgh, Pa. 165 Cedar St., Buffalo, N. Y. 5153 Fowler Ave., Cleveland, Ohlo. 819 Wall St., Port Huron, Mich. 424 Tarleton Ave., Pittsburgh, Pa. 731 W. Mary St., Bucyrus, Ohlo. 174 Glasgow St., Clyde, N. Y. 1923 W. 75th St., Cleveland, Ohlo. 16 Central St., Battle Creek, Mich. 326 S. 5th Ave., Ann Arbor, Mich. 849 Windham St., Clincinnati, Ohlo. 608 Clark Ave., Detroit, Mich.	
BJP BAPA	Becker, Frank G. Becker, Frank P. Beer, Frank P.	885 West Ave., Bullalo, N. Y	
SARW	Belinson, Meyer	165 Ceder St., Buffalo, N. V.	
BAJU		5153 Fowler Ave., Cleveland, Ohio	
8AIF	Bell, Charles F. Bell, Norman W. Beller, Harold F. Benjamin, Carlisle. Bennett, Edward J. Benson, Walfred.	819 Wall St., Port Huron, Mich	
BDO	Bell, Norman W	424 Tarleton Ave., Pittsburgh, Pa	
BCF BKD	Beller, Harold F	731 W. Mary St., Bucyrus, Unio	
9 F 7	Bennett Edward I	1023 W 75th St Cleveland Ohio	
BANR	Benson, Walfred	16 Central St., Battle Creek, Mich.	
BCD	Benz, Carroll	326 S. 5th Ave., Ann Arbor, Mich	
BML	Berman, Isidore A	849 Windham St., Cincinnati, Ohio	
BAE	Berndt, William F	608 Clark Ave., Detroit, Mich	
BHS RTV	Benz, Carroll Berman, Isidore A. Berndt, William F. Berry, L. Mack. Bidwell, Paul. Bidwell, Paul. Bieber, Carl W. Birkel, Lawrence J.	608 Clark Ave., Detroit, Mich	
8TY 8WP	Bidwell, Paul	11397 Glenwood Ave., Cleveland, Ohio	
8CM	Bieber, Carl W	16 Hauf St., Buffalo, N. Y	
8GY	Birkel, Lawrence J	700 Tibbets Ave., Springfield, Ohio	
8AGL	Bishop, Robert C. Bishman, Richard F. Blair, Russell M.	16 Hauf St., Buffalo, N. Y. 700 Tibbets Ave., Springfield, Ohio. 413 Locust St., Lockport, N. Y. 67 Foster Ave., Norwalk, Ohio 3930 Ivanhoe Ave., Norwood, Ohio Cattaraugus, N. Y. 72 Pordee St. Rochester, N. Y.	
8AAO 8ACK	Blair, Russell M	3930 Ivanhoe Ave., Norwood, Ohio	
SH L	Blake, F. B Blattner, E. Herman	Cattaraugus, N. Y	
FU BLP	Blattner, E. Herman	73 Pardee St., Rochester, N.Y	
BUJ	Bly, Ralph Boardman, Thomas II	1358 Michigan Ave., Niagara Falls, N. Y	
BAPN	Book Ashley P	1112 W North St Kalamazon Mich	
BAGZ	Bohannan, Robert C	226 E. 16th Ave., Columbus, Ohio	
BAQI	Bookwalter, John F	1054 E. High St., Springfield, Ohlo	1.00
BALO	Bovee, Charles W	105 Beethoven St., Binghamton, N. Y	
BAAS BAKG	Bower, George C	934 4th St. Mariette Ohio	
BANB	Bower, Stanley	162 Elizabeth St., Marine City, Mich.	
BAOP	Boardman, Thomas II Bock, Ashley P Bohannan, Robert C Bookwalter, John F Bovee, Charles W Bower, George C Bower, Orville D Bower, Stanley Bowyer, Glenn B Bowyer, Harry A	Kinsman, Ohio	
BOU	Boyer, Harry A. Braatz, Eugene C.	89 Kibbie St., Mt. Clemens, Mich	
BAJG BSV	Bratton Harry R	Reacksville Ohio	
8CQ	Brede, Erwin F	55 Melbourne Ave., Detroit, Mich.)	
BAOK	Bratton, Harry B Brede, Erwin F Brewster, Fred J Brice, William E	6904 Cedar Ave., Cleveland, Ohio	
8AAJ	Brice, William E	714 W. Market St., Lima, Ohio	
8FR	Briggs, Fred G	221 Forest St., Marion, Ohio	
8KI 8TQ	Brooks Clarance H	278 Emerson St. Rochester N. V.	
8AG	Broome, Donald W	100 Grand Ave., Mt. Clemens, Mich.	
RAIM	Brothers, Loyd C	Wellington, Ohio	
8VC 8ADP	Brown, Arthur B	1218 E. Erie Ave., Lorain, Ohio	
8ADP 8NY	Brown, Clarence W	R. F. D. No. 25, Akron, Uhio	
8UD	Brice, William E Briggs, Fred G Brockway, Earl H Brooks, Clarence H Broome, Donald W Brothers, Loyd C Brown, Arthur B Brown, Clarence W Brown, Fred C Brown, Kenneth W Brown, Le Roy	640 Harrison Ava. Scranton 'Pa	
8ANW	Brown, Le Roy	R. F. D. No. 8, Hamilton, Ohio.	
8WZ	Brown, Ralph M	156 W. River St., Wilkes-Barre, Pa	
8AAP	Brown, Stanley E	1 Aurora St., Lancaster, N. Y.	
8AAU 8AHE	Brown, Le Roy Brown, Ralph M Brownel, Ralph E Brownell, Ralph	854 Prendergast Ave., Jamestown, N. Y	
8VS	Buck Edward H	167 Foster Ave., Norwalk, Ohlo. 1930 Ivanhoe Ave., Norwood, Ohlo. 1930 Ivanhoe Ave., Norwood, Ohlo. 1931 Pardee St., Rochester, N. Y. 1358 Michigan Ave., Niagara Falls, N. Y. 1938 Michigan Ave., Niagara Falls, N. Y. 1938 Michigan Ave., Niagara Falls, N. Y. 1938 Michigan Ave., Columbus, Ohlo. 1012 W. North St., Kalamazoo, Mich. 1036 E. High St., Springfield, Ohlo. 105 Beethoven St., Binghamton, N. Y. 105 Beethoven St., Binghamton, N. Y. 105 Beethoven St., Marine City, Mich. 105 Beethoven St., Marine City, Mich. 105 Beethoven St., Marine City, Mich. 105 Beethoven St., Marine City, Mich. 106 Elizabeth St., M. Clemens, Mich. 108 Kibbie St., Mt. Clemens, Mich. 109 Kibbie St., Mt. Clemens, Mich. 109 Mich. 100 Grand Ave., Cleveland, Ohlo. 111 W. Market St., Lima, Ohlo. 121 Forest St., Marion, Ohlo. 121 E. Court St., Flint, Mich. 128 E. merson St., Rochester, N. Y. 100 Grand Ave., Mt. Clemens, Mich. 129 Wellington, Ohlo. 1218 E. Erle Ave., Lorain, Ohlo. 1218 E. Erle Ave., Lorain, Ohlo. 1218 F. D. No. 25, Akron, Ohlo. 1218 G. W. River St., Wilkes-Barre, Pa. 1 Aurora St., Lancaster, N. Y. 12842 Mt. Pleasant Ave., Hamilton, Ohlo. 161 Walker St., Tiffin, Ohlo. 1627 Germania St., Columbus, Ohlo.	
8ARO	Bunning, Theodore.	1671 Bruce St., Cincinnati, Ohio	
8AQT	1 70 1 07 00 11 70		

EIGHTH DISTRICT-Continued.

Call signal.	Owner of station.	Location of station.	Power.
1			Kw.
8VZ	Burchard, William K	77 Hastings Ave., East Cleveland, Ohio	0.4
SAQN SAIS	Burdg, Clarence E	251 Goodwin Aug. Datroit, Mish.	
8FI	Burdg, Clarence E Burdick, George M. C Burger, Richard W	77 Hastings Ave., East Cleveland, Ohio 5284 W. Center St., Marion, Ohio 5281 Goodwin Ave., Detroit, Mich 822 S. McDonel St., Lima, Ohio R. F. D. No. 2, Hamburg, N. Y. 604 N. Baxter St., Lima, Ohio. 286 Garson Ave., Rochester, N. Y. 113 W. John St., Martinsburg, W. Va. 7209 Clinton Ave., Cleveland, Ohio. 68 E. Elm St., Norwalk, Ohio. 238 W. Wood St., Youngstown, Ohio. 191 Goulding Ave., Buffalo, N. Y. 345 Whitman Ave., Bloomsburg, Pa R. F. D. No. 44, Weedsport, N. Y. 255 Main St., Binghamion, N. Y. 645 W. Ferry St., Buffalo, N. Y. 1203 N. Rose St., Kalamazoo, Mich. 456 Mahoning St., Lehighton, Pa. 448 Bowery St., Akron, Ohio. 233 N. Ash St., St. Marys, Ohio. 233 N. Ash St., St. Marys, Ohio. 4821 Centre Avenue, Pittsburgh, Pa. 37 Maple St., Jamestown, N. Y. 58 W. Cholon St., Wilkes-Barre, Pa. 14234 Detroit Ave., Cleveland, Ohio. 1246 Roosevelt Ave., Flint, Mich. 125 Wenter St., Kalamazoo, Mich. 53 Wecker St., Buffalo, N. Y. 76 Lozler St., Rochester, N. Y. Benzonia, Mich. 1609 S. University Ave., Ann Arbor, Mich.	- 1
8ABA	Burger, Richard W Burgwardt, Frederick C. jr. Burgoon, Wesley Burkhardt, George E. Burns, Herman E. Burn, Gordon. Burr, Roy C. Burson, John I. Burtis, Melvin M. Burtis, Lume F.	R. F. D. No. 2. Hamburg, N. Y	
8ANJ	Burgoon, Wesley	604 N. Baxter St., Lima, Ohio	
8ANJ 8ALU	Burkhardt, George E	286 Garson Ave., Rochester, N. Y	1. (
8AGH	Burns, Herman E	113 W. John St., Martinsburg, W. Va	
8GA	Burr, Gordon	7209 Clinton Ave., Cleveland, Oblo	1.0
8RD	Buryon John I	238 W Wood St Voungstown ()hio	1.0
RAGM	Burtis, Melvin M	191 Goulding Ave., Buffalo, N.Y	1.0
8TA 8AGM 8CN	Burtis, Melvin M. Burton, James F. Bush, Claude M. Bush, Richard A. Bushnell, Clarence E.	345 Whitman Ave., Bloomsburg, Pa	1.0
SC.I.	Bush, Claude M	R. F. D. No. 44, Weedsport, N. Y	
0W8	Bush, Richard A	255 Main St., Binghamton, N. Y	1.0
8MH 8AID	Busine, Arthur B	1202 N. Perry St., Bullano, N. I	14
8LN	Butler Harry F	456 Mahoning St., Lehighton, Pa	1,
ATAR	Butler, Harry F	448 Bowery St., Akron, Ohio.	1.
BAEX	Calkins, Norman	2136 W. 100th St., Cleveland, Ohio	
8AEX 8VR 8VH 8VY	Calvert, George C	8309 Ellsworth Ave., Pittsburgh, Pa.	1.0
8VH	Candler, Charles and Emma.	203 N. Ash St., St. Marys, Ohlo	1.0
8VY	Caplan, Zola	27 Maple St. Jamestown N. N.	1.0
BAGW	Corporter Donald F	65 W. Union St., Wilkes-Barre, Pa	1.
8ANY 8AIT	Calkins, Norman. Calvert, George C. Candler, Charles and Emma. Caplan, Zola. Carlson, Wendell L. Carpenter, Donald F. Carpenter, Bears.	14234 Detroit Ave., Cleveland, Ohio.	11
8A80	Carr, Irving E	1246 Roosevelt Ave., Flint, Mich	
8AIY	Carroll, Stanley W	312 2d St., Marietta, Ohio	
8MV	Carson, William H	1140 James St., Kalamazoo, Mich	
8ED 8VF 8VI	Carry Ling E Carroll, Stanley W Carson, William H Carver, Alfred J Case, J. Gifford	26 Lorier St. Pochester N.V.	1.
eVI	Case, Harlow M	Renzonia, Mich	1.7
8PB	Case, Theodore J	1609 S. University Ave., Ann Arbor, Mich	1
8ABG	Caswell, Frank A. Cawley, Eugene H. C. F. Jackson Co. Chadde, Walter F.	21 Dekalb St., Dayton, Ohio	
8AEG 8VP	Cawley, Eugene H	301 Chestnut St., Dunmore, Pa	
8VP	C. F. Jackson Co	Fandiay, Omo	1.0
8UC	Chadde, Walter F. Chamberlain, Oscar A. Champe, Willard A. Chandler, Merle C. Chartener, Ralph R. Chester, Allan Childs, Herbert R. Clarke, John H. Clausing, Leroy M. E. Clauve, Carl E. Clem, Robert. Clement, Russell C. Cobb, Rupprt G.	226 Facon Ave. Highland Park Wich	1.0
8JY 8AMA	Champe Willard A	2363 Robinwood Ave., Toledo, Obio	1.1
8ADG	Chandler, Merle C	1471 Winton Ave., Lakewood, Ohio.	
8VG	Chartener, Ralph R	47 Allen Ave., Pittsburgh, Pa	1.0
8NN	Chester, Allan	50 E. Elm St., Norwalk, Ohio	1.
8API	Childs, Herbert R	12 Bengel Ter., Rochester, N. Y.	1.
8SO 8FJ	Clarke, John H	And Nee St. Lime Obio	1.
8AOH	Clauve, Carl F.	435 Shilito St., Cincinnati, Obio	1.
8AOW	Clem. Robert	605 N. Jameson St., Lima, Ohio.	
8AJT	Clement, Russell C	168 North Ave., Washington, Pa	
8AJT 8DV	Cobb, Rupert G	17 E. Alexandrine Ave., Detroit, Mich	
88L	Cobb, Rupert GCocklin, Gilbert WCole, Kenneth.	17 E. Alexandrine Ave., Detroit, Mich. Middlebranch, Ohio. 45 King St., Oberlin, Ohio. 67 Maple St., Lyons, N. Y. 328 Locust St., Edgewood Park, Pa. 152 N. 4th St., Steubenville, Ohio. 514 E. Buffalo St., Ithaca, N. Y. Blume High School, Wapakoneta, Ohio. 728 Clinton St. Kalamazon, Mich.	
8AET 88M	Coleman U Buss	67 Maple St. Lyons N. V	
8FG	Coleman, H. Burr. Coleman, John B. Collins, Benjamin F. Colville, Perkins.	328 Locust St., Edgewood Park, Pa	
8IM	Collins, Benjamin F	152 N. 4th St., Steubenville, Ohio.	
8AB8	Colville, Perkins	514 E. Buffalo St., Ithaca, N. Y	1.0
8KO	Combs, Frayne L. Conner, Charles E. Conrad, Mark. Cook, Vernor. Cooke, Lovell.	Blume High School, Wapakoneta, Ohio	:
8ASJ	Conner, Charles E	728 Clinton St., Kalamazoo, Mich	
8AIL 8PY 8MX	Cook Varnor	20 W. La Balla St. Grand Rapide Mich	1.4
8MY	Cooke Lovell	R F D No. 3. Gobleville Mich	
8KU	Cookman, Murray R.	118 Glasgow St., Clyde, N. Y.	
SAOX	Cooley, Clair R	298 Walbridge Ave., Toledo, Ohio	
8RG	Copeland, Arthur H	130 Harvard St., Rochester, N. Y	
8LT	Copp, Stanley R	5 W. Monument Ave., Dayton, Ohio	
8KB	Cores Duright	277 F. Parry St. Tiffin Obje	1.0
SARK SOL	Corey Harry E	Richmond Mich.	
8QL 8WV	Corts, Ray E	243 May St., Buffalo, N. Y	, "
8ART	Coughenour, Virgil J.	Plattsburg, Ohio	
8AHK	Couperthwait, George F	52 Schiller St., Binghamton, N. Y	
8AMD	Craig, Palmer	3397 Glenmore Ave., Cincinnati, Ohio	1.0
8AOV	Cramer, Charles F	115 N. Fountain St., Springfield, Ohio	1.0
8AOG 8GZ	Cromer Leelte D	Blume High School, Wapakoneta, Ohio. 726 Clinton St., Kalamazoo, Mich. 117 E. Crawford St., Van Wert, Ohio. 30 W. LaBelle St., Grand Rapids, Mich. R. F. D. No. 3, Gobleville, Mich. 118 Glasgow St., Clyde, N. Y. 228 Walbridge Ave., Torkdo, Ohio. 130 Harvard St., Rochester, N. Y. 5 W. Monument Ave., Dayton, Ohio. 53 E. High St., Columbus Grove, Ohio. 277 E. Perry St., Tiffin, Ohio. Richmond, Mich. 213 May St., Buffalo, N. Y. Plattsburg, Ohio. 52 Schiller St., Binghamton, N. Y 3397 Glenmore Ave., Cincinnati, Ohio. 115 N. Fountain St., Springfield, Ohio. 1131 Lakewood Ave., Lima, Ohio. 221 Euclid Ave., Mt., Clemens, Mich. 47 Burr St., Gloversville, N. Y. 88 Chili Ave., Rochester, N. Y.	
80Q	Cross. Blakely E	47 Burr St., Gloversville, N. Y	
00 K	CIUSS, DIBKOIY F	Tri Duli Ct., Gloveisville, N. I	

EIGHTH DISTRICT-Continued.

Call signal.	Owner of station.	Location of station.	Powe
		Plymouth, Mich. 362 Walnut St., Buffalo, N. Y. Hamburg, N. Y. 11024 Detroit Ave., Cleveland, Ohio. 624 W. 9th St., Traverse City, Mich. 830 W. Main St., Ravenna, Ohio. 306 Elm St., Ithaca, N. Y. 468 Buchtel Ave., Akron, Ohio. Sheridan, N. Y. 28 Pine St., Binghamtom, N. Y. 16 Tuxill Sq., Auburn, N. Y. Litchfield, Mich. 1112 Stanton Ave., New Kensington, Pa. 1232 Race St., Sunbury, Pa. 628 W. Main St., Hamilton, Ohio. 50 N. 3d St., Newark, Ohio. 1904 Ansel Rd., Cleveland, Ohio. Fenton, Mich.	Kw
8NJ 8KX	Crumbie, Goodwin B	Plymouth, Mich	- 1
8KX	Cuff, Harold C	362 Walnut St., Buffalo, N. Y	
8ADI	Cundall, Lincoln A	Hamburg, N. Y.	
8EW	Cundall, Lincoln A Current, Warren J Curtiss, Gerald H Curtiss, Glen W., jr. Cushman, Robert A Custis, Walter E Dalrympte Clarence F	11024 Detroit Ave., Cleveland, Ohio	
8AOI	Curtiss, Gerald H	624 W. 9th St., Traverse City, Mich.	
8LC	Curtiss, Glen W., jr	830 W. Main St., Ravenna, Ohio	
8AEA	Cushman, Robert A	308 Elm St., Ithaca, N. Y	
8AJ	Custis, Walter E	Charidan N. V.	
8RK	Dairympie, Clarence F	Of Dina Ct Dinahamtan N V	
8AKE	Canforth Cordon F	16 Tuvill Qa Anbuen N V	
8CI 8JE	Dalrymple, Clarence F. Dalrymple, Clarence F. Daly, James J. Daniorth, Gordon F. Daniels, Le Roy. Darrall, William G.	Litchfield Mich	
8AIM	Darrall William G	1112 Stanton Ave. New Kensington Pa	
8ALI	Dauberman John R	1232 Race St. Suphury Pa	-
8FM	Daugherty, Robert J.	628 W. Main St., Hamilton, Ohio.	
8ASV	Davidson, Robert L	50 N. 3d St., Newark, Ohio.	
8QZ	Davis, Benton W	1904 Ansel Rd., Cleveland, Ohio	
8BC	Davis, Charles C	Fenton, Mich	
8AEY	Davis, Harold P	2095 W. 87th St., Cleveland, Ohio	
8BX 8ALR	Darrall, William G Dauberman, John R Daugherty, Robert J Davidson, Robert L Davis, Benton W Davis, Charles C Davis, Harold P Davis, Herbert E Davis, Paul E., jr Deighan, Edward L Demarest, Foster J Dencer, John	1480 Western Ave., Toledo, Ohio	
8ALR	Davis, Paul E., jr	R. F. D., Gross Isle, Mich	
8AO	Deighan, Edward L	5415 Hermann Ave., Cleveland, Ohio	1
TOA8	Demarest, Foster J	103 Washington St., Williamsport, Pa	
8IX 8WG	Denomora II Horry	220 Mitchell St. Petoskay Mich	
8KK	Dencer, John Densmore, U. Harry Devaney, Richard G. Devinney, Robert C.	196 Murray St., Binghamton, N. Y	
8AAQ	Devinney, Robert C	1224 Boyle St., Pittsburgh, Pa.	
8AOA	Dieter, Howard L	252 S. 18th St., Columbus, Ohio.	
8IJ	Dieter, Howard L Dieter, Howard L Dieterich, Paul E Dieterich, Adele F Dietsch, Carl G Dilworth, John G Ditto, Earl J Dobson, J. Howard	915 E. Grand Blvd., Detroit, Mich	
8ET	Dieterich, Adele F	3128 Fulton Rd., Cleveland, Ohio	
8ACO	Dietsch, Carl G	395 Avondale Ave., Toledo, Uhio	
8AQD	Dilworth, John G	6121 Jackson St., Pittsburgn; Pa.	
8AAH	Ditto, Earl J	of Cornell Ave. Vermore N. V	- 1
8AME 8AEO	Doeright, Gilbert A	145 Illinois Ava Vouncetown Ohio	
8AAG	Dominick John H	56 Gallatin Ave. Buffalo. N. Y	
8AGC	Donahue, James B.	Horseheads, N. Y.	
8FS	Dominick, John H Donahue, James B Donohue, Daniel, jr Dorman, Israel Dorst, Edward L	227 Florida Ave., Lorain, Ohio	
8ANC	Dorman, Israel	3426 Burnet Ave., Cincinnati, Ohio	
8EF	Dorst, Edward L	39 Eaton St., Buffalo, N. Y.	
8ABT	Dotterweich, Edward, jr	533 Swan St., Dunkirk, N. Y.	
8TL 8OX	Dotterweich, Edward, jr. Dowding, Sidney J. Dreux, Alexander J. Duff, Cuthbert.	40 Compan Arra Profesa M V	
NO No	Duff Cuthbort	Norwood Ohio	
8MQ 8LQ	Dunlap, Orrin E., jr Dunmore, Wallace P Durham, Harold M	1029 Claveland Ava Niagara Falls N Y	
8ASD	Dunmore Wallace P	218 Main St., Binghamton, N. Y	
8AGY	Durham, Harold M	127 Cohasset St., Pittsburgh, Pa.	
8AOJ	Durstine, John E	107 Burton Ave., Cleveland, Ohio	
8AKY	Dyke, S. Eugene	211 Porter Ave., Warren, Ohio	
8SW	Eames, William F	841 N. St. Clair St., Pittsburgh, Pa.	
8IU	Durstine, John E. Dyke, S. Eugene. Eames, William F. Eaton, Floyd W. Eckel, John F.	1901 Milton Ave., Solva, N. Y.	
8PL	Ediels Loope-d I	200 Forest St. Cloversville N. V	
8VL	Edwards Marmard W	Lake Odessa Mich	
8GG	Econ James	120 Barton St., Buffalo, N V	
8UK 8TY	Ehrhardt, Roy C	820 Monroe Ave., Scranton, Pa	
8PJ	Ehrich, William F.	278 Lucas St., Bucyrus, Ohio	
8AOS	Eiszler, Emmerson L	628 W. Main St., Hamilton, Ohio 50 N. 3d St., Newark, Ohio 1904 Ansel Rd., Cleveland, Ohio Fenton, Mich 2095 W. 87th St., Cleveland, Ohio 1480 Western Ave., Toledo, Ohio R. F. D., Gross Isle, Mich 5415 Hermann Ave., Cleveland, Ohio 103 Washington St., Williamsport, Pa. 1021 Tuscarawas St., Canton, Ohio 220 Mitchell St., Petoskey, Mich 196 Murray St., Binghamton, N. Y 1224 Boyle St., Pittsburgh, Pa. 252 S. 18th St., Columbus, Ohio 915 E. Grand Blvd., Detroit, Mich 3128 Fulton Rd., Cleveland, Ohio 395 Avondale Ave., Toledo, Ohio 6121 Jackson St., Pittsburgh, Pa. 614 State St., Petoskey, Mich 25 Cornell Ave., Kenmore, N. Y 145 Illinois Ave., Youngstown, Ohio 56 Gallatin Ave., Buffalo, N. Y Horscheads, N. Y 227 Florida Ave., Lorain, Ohio 3428 Burnet Ave., Cincinnati, Ohio 39 Eaton St., Buffalo, N. Y Norwood, Ohio 1029 Cleveland Ave., Niagara Falls, N. Y 218 Main St., Binghamton, N. Y 218 Main St., Binghamton, N. Y 218 Main St., Binghamton, N. Y 219 Torter Ave., Warren, Ohio 211 Porter Ave., Warren, Ohio 221 Porter Ave., Warren, Ohio 231 N. St. Clair St., Pittsburgh, Pa. 1901 Milton Ave., Solva, N. Y 2161 Bernard St., Cincinnati, Ohio 89 Forest St., Gloversville, N. Y 228 Monroe Ave., Seranton, Pa. 278 Lucas St., Bugfalo, N. Y 280 Monroe Ave., Pittsburgh, Pa. 1320 Woodland Ave., Pittsburgh, Pa.	
8AQ	Eckel, John F. Edick, Leonard J Edwards, Maynard W Egan, James. Ebrhardt, Roy C. Ehrich, William F. Eiszler, Emmerson L. Ela, William C Electro-Set Co. See The Electro-Set Co.	278 Lucas St., Bucyrus, Ohio. 1227 California Ave., Pittsburgh, Pa. 1320 Woodland Ave., Pittsburgh, Pa.	
8ER	Elias Louis W	877 Carpenter St., Columbus Ohio	1
8TS	Elias, Louis W Eppley, Ervin W Ernest, Robert A	877 Carpenter St., Columbus, Ohio. R. F. D. No. 4, Elyria, Ohio. 1815 Prospect St., Springfield, Ohio. 212 Cass Ave., Mt. Clemens, Mich.	
8ANK	Ernest, Robert A	1815 Prospect St., Springfield, Ohio	1
8ANK 8AEI	Erskine, James Esch, Winthrop W	212 Cass Ave., Mt. Clemens, Mich	
8DM	Esch, Winthrop W	R. F. D. No. 1, Huron, Ohio	
8FP	Esslinger, Elwin	523 Miller Ave., Ann Arbor, Mich	-
8ADZ	Esslinger, Elwm Euler, John F. Evans, Jack H.	253 Mellon St., Pittsburgh, Pa	1
8ASK		Suo Bayridge Ave., Pittsburgh, Pa	1
8SB	Ewall Lional C	212 Cass Ave., Mt. Clemens, Mich. R. F. D. No. 1, Huron, Ohio. 523 Miller Ave., Ann Arbor, Mich. 253 Mellon St., Pittsburgh, Pa. 806 Bayridge Ave., Pittsburgh, Pa. Tippecanoe City, Ohio	1
8AMR 8ANP	Exline George A	1408 E. 93d St. Cleveland Ohio	
8AQR	Evans, George M Ewell, Lionel C Exline, George A Famariss, Walter	7817 Hamilton Ave., Pittsburgh, Pa	
8HU	Faroo, Glenn	Milan, Ohio. 1408 E. 93d St., Cleveland, Ohio. 7817 Hamilton Ave., Pittsburgh, Pa. 289 Grand Ave., Rochester, N. Y. 1526 Olivewood Ave., Lakewood, Ohio. Toledo, Ohio.	
8ADD	Fossett G M Earle	1526 Olivewood Ave Lakewood Ohio	

EIGHTH DISTRICT—Continued.

Call algnál	Owner of station.	location of station.	Power.
			Kw.
8FA 8AOZ	Fender, Clinton H	28 W. 13th St., Cincinnati, Ohio	0.5
8AOZ 8CA	Ferris, James H	211 Catalpa Drive, Royal Oak, Mich. 1222 Fountain Ave., Springfield, Ohio. 1727 E. McMillan St., Cincinnati, Ohio. 494 Columbia Ave., Rochester, N. Y. R. F. D. No. 9, Mansfield, Ohio. 811 Cass St., Chicago, Ili. 307 Collins Ave., Pittsburgh, Pa. 228 Ulysses St., Pittsburgh, Pa. 228 Ulysses St., Pittsburgh, Pa. 546 Utah St., Toledo, Ohio. 906 W. Wayne St., Lima, Ohio. 98 Park Ave., Binghamton, N. Y. 3833 Hawatha St., Pittsburgh, Pa. 1007 Sheridan Ave. SW., Grand Rapids, Mich. 510 S. 7th St., Ironton, Ohio.	1.9
SFE	Finch Brent 8	1727 F. McMillan St. Cincinnati Obio	1.0
RAGII	Finch, Brent 8. Finegan, George W. Finley, Chester T.	494 Columbia Ave., Rochester, N. Y.	1.0
8AFD	Finley, Chester T.	R. F. D. No. 9, Mansfield, Ohio.	
BAJK	Fischer, Andrew Fish, J. Mulford Fisher, Earl U. Fisher, George C. Fisher, Harold W.	811 Cass St., Chicago, Ill	1. (
8MG	Fish, J. Mulford	307 Collins Ave., Pittsburgh, Pa	
8KQ	Fisher, Earl U	228 Ulysses St., Pittsburgh, Pa	
SPE SMY	Fisher, George C	one W. Warma St. Lima Obia	
SASN	Fish. Rufus	98 Park Ave., Binghamton, N. Y.	1
BTN	Fla Havhan, Harry E., ir	3833 Hiawatha St., Pittsburgh, Pa	
BDD	Fleckner, Harry K	1007 Sheridan Ave. SW., Grand Rapids, Mich	
BUM	Flehr, Paul D	510 S. 7th St., Ironton, Ohio	1.
	Flint Central High School.		
PADO	Flore C Pursel.	2206 Broadsmay Tolodo Obio	
8ARS 8ASG	Fisher, Harold W Fisk, Rufus. Fla Havhan, Harry E., jr. Fleckner, Harry K. Flehr, Paul D. Flint Central High School See Wightman, E. Russell. Flory, Carl L. Follet, Louis H., jr. Foltz, Harold H. Foncannon, H. Knight. Ford, Elliot P.	2206 Broadway, Toledo, Ohio 119 W. Decatur St., Eaton, Ohio Crafton, Pa 464 Rhodes Ave., Akron, Ohio 2024 Glenwood Ave., Toledo, Ohio 129 Dartmouth St., Rochester, N. Y South Butler, N. Y Clarks Summit, Pa 271 Calumet Ave.	1.
8MW	Follet, Louis H., ir.	Crafton, Pa	1
BANS	Foltz, Harold H	464 Rhodes Ave., Akron, Ohio	1
SU A	Foncannon, H. Knight	2024 Glenwood Ave., Toledo, Ohio	1.0
RADK	Ford, Elliot P	129 Dartmouth St., Rochester, N. Y	
BHR	Forshee, Kenneth	Clarke Surrey A. P.	
BWD	Forshee, Kenneth. Fuster, Clarence M. Fox, Edmund H.	271 Columnat Ava. Datroit Wich	
88F	Fowler, Robert J		
8FV	Fowler, Robert J. Francis, Jesse J. Frank, Newton J. Frase, Ralph L.	322 Walnut St., Flint, Mich. 1558 E. 66th St., Cleveland, Ohio. 411 Humboldt Plyy, Buffalo, N. Y. 546 E. Buchtel Ave., Akron, Ohio. 1280 West Ave., Buffalo, N. Y. 48 Glenwood Ave., Buffalo, N. Y. 215 Clay St., Tiffin, Ohio. 10 Fargo Ave., Ashtabula, Ohio. 155 Poylar St., Mansfield, Ohio. 552 Glenwood Ave., Buffalo, N. Y. 1017 Pollock Ave., Buffalo, N. Y. 1017 Pollock Ave., New Castle, Pa. 711 N. Main St., Clyde, Ohio. Little Valley, N. Y. Brock wayville, Pa.	
BAAV	Frank, Newton J	411 Humboldt Pky., Buffalo, N. Y	
BANF	Frase, Ralph L	546 E. Buchtel Ave., Akron, Ohlo	
HZ	Frase, Ralph I. Fraser, John W. Fraser, William T. Frederick, Paul E. French, Samuel W. Frey, Frederick E. Fritsche, Lewis W. Frost, Harry E. Fullwood, William R. Furlong, Marvie J. Fuss, Chester G.	1280 West Ave., Buffalo, N. Y	
N X	Fraser, William T	215 Clay St. Tillia Obio	1.
BNB BNC	French, Samuel W	10 Fargo Ave., Ashtabula Obio	
BAF	Frey, Frederick E.	155 Poplar St., Mansfield, Ohlo.	1.0
BDP	Fritsche, Lewis W	4208 Fiorida Ave., Cincinnati, Ohio.	1.0
BAU	Frost, Harry E	552 Glenwood Ave., Buffalo, N. Y	
BAV	Fullwood, William R	1017 Pollock Ave., New Castle, Pa	1.
KP	Fuss, Chester G.	Little Valley N. V.	1.
TH	Gallo, Tony	Brockwayville Pa	1.
AEM	Galloway, W. Lyon	110 W. Main St., Xenia, Ohio	i.
BPK	Gamble, Frederick D	2112 Putnam St., Toledo, Ohio	1.0
ASP	Gallo, Tony Galloway, W. Lyon. Gamble, Frederick D. Gamble, Howard B.	2537 E. 128th St., Cleveland, Ohio	1.
SKC SIO	Cammon, Joseph	20 W Consess St. Leeknort N. Y.	
EG	Gammon, Joseph Garrity, William D Gebhard, Louis A Gentzsch, Leonard II George, Charlee C	Little Valley, N. Y. Brockwayville, Pa. 110 W. Main St., Xenia, Ohio. 2112 Putnam St., Toledo, Ohio. 2537 E. 128th St., Cleveland, Ohio. 597 East Ave., Rochester, N. Y. 20 W. Genesee St., Lockport, N. Y. 1127 Ellicott St., Buffalo, N. Y. 102 Northampton St., Buffalo, N. Y. 81 E. Tremaine Ave., Kenmore, N. Y. 81 F. Tremaine Ave., Kenmore, N. Y. 81 F. Tol. No. 3, Hamilton, Ohio. 3499 Boudinot Ave., Cincinnati, Ohio. 11703 Castlewood St., Cleveland, Ohio. 539 S. 1st St., Ann Arbor, Mich. 2171 E. 65th St., Cleveland, Ohio.	1.3
AX	Gentzsch, Leonard H	102 Northampton St., Buffalo, N. Y	1 1
AX	George, Charles C	81 E. Tremaine Ave., Kenmore, N. Y	1.
SAEC		R. F. D. No. 3, Hamilton, Ohio	
AKW	Giesenberg, Carl	3499 Boudinot Ave., Cincinnati, Ohio	
IWE	Giesenberg, Carl. Gillmore, Willard F. Glatzell, Earle D. Glause, Edwin H.	11703 Castlewood St., Cleveland, Unio	1.
ANV	Clause Edwin H	2171 E 65th St. Cleveland Oblo	1:1
3-214 A	Glenville High School. See Allyn, William P. Godley, Gordon F. Goetz, Carl P. Gogel, Adelbert J.	aria Di cotti cui, ciovolina, cimo	
	Allyn, William P.		l .
BDS	Godley, Gordon F	929 Pine St., Port Huron, Mich	1.
RY	Goetz, Carl P	1518 Knowlton St., Cincinnati, Ohio	
AW	Gogel, Adelbert J	412 North Are Clear Ohio	
MZ	Goodrich, Harry	628 B. Erie St., Toledo, Ohio. 43 North Ave., Girard, Ohio. Cazenovia, N. Y Oberlin, Ohio.	1.
VH QK BEI	Gould, Henry W	Oberlin, Ohio	1.
EI	Gray, Clarence N	74 Ryan St., Buffalo, N. Y	
BIW	Green, John B	Booth St., Ashtabula, Ohio	1.
ADT	Greenwald, Hugo	9815 Westchester Ave., Cleveland, Ohio	1.0
BASQ	Greenwell, Robert	2001 Washington St. Connecut Obia	1.0
SU W	Grieb Edward I	121 Rose St., Springfield, Ohio	1.5
SWA	Griffin, Jassa W	Middlefield, Ohio.	1.
BIA	Griffin, John F.	5213 Superior Ave., Cleveland, Ohio.	1.0
BANM	Griggs, Kenneth C	149 Forest St., Wellington, Ohio	
CK	Grinnell, Russell R	Richmond, Mich	1.0
BABM	Grosse, Herbert F	346 Germania St., Columbus, Ohio	
SQR SHE	Grotticalli Emp	Cazenovia, N. Y Oberlin, Ohio. 74 Ryan St., Buffalo, N. Y. Booth St., Ashtabula, Ohio. 815 Westchester Ave., Cleveland, Ohio. 2204 Washington St., Conneaut, Ohio. 121 Rose St., Springfield, Ohio. Middlefield, Ohio. 5213 Superior Ave., Cleveland, Ohio. 149 Forest St., Wellington, Ohio. Richmond, Mich. 346 Germania St., Columbus, Ohio. 155 Wagar Ave., Lakewood, Ohio. 115 Moniclair Ave., Crafton. Pa. Grove City, Pa.	1.0 1.0
	Giotticeni, Einli.	III MONICIAL ANT., CINICUII. F8	4.1

EIGHTH DISTRICT—Continued.

Call signal.	Owner of station.	Location of station.	Power.
07734	Cuest Wesler D	13 Babcock Ave., Silver Creek, N. Y. 369 W. Lorain St., Oberlin, Ohio. Howell, Mich 1113 N. Main St., Jamestown, N. Y. 24 Jewell St., Rochester, N. Y. 5th Ave. and Amberson St., Pittsburgh, Pa. 330 Fox St., Buffalo, N. Y. 410 Center St., Solvay, N. Y. 29 Martin Ave., Amberst, Ohio. 337 S. Main St., Charlotte, Mich. 1645 Lyson St., NE., Grand Rapids, Mich. 53 Vassar St., Rochester, N. Y. 30 Schutz Ave. Buffalo, N. Y. 1716 Buena Vista St., Plttsburgh, Pa. 31 Deer St., Plymouth, Mich. 325 Clinton Ave., Cleveland, Ohio. 21 Vine St., Pittsburgh, Pa. North Fairfield, Ohio. 507 Columbia Ave., Rochester, N. Y.	Kw. 0.5
8KM 8JA	Guest, Wesley T. Gunn, Ross Gurnee, Floyd I. Gurney, Daniel. Guy, Fred E. Gwinner, Frederick, 3d. Hadlerer, John. Hall, Eldred R.	369 W. Lorsin St., Oberlin, Obio	1.0
8DI	Gurnee, Floyd I	Howell, Mich	.5
8ARQ 8PZ	Gurney, Daniel	1113 N. Main St., Jamestown, N. Y.	.5
8PZ 8RO	Gwinner Frederick 3d	5th Are and Amberson St. Pittsburgh Pa	1.0
8QB	Haderer, John	330 Fox St., Buffalo, N. Y.	1.0
. 8MD	Hall, Eldred R Hamel, Arthur Hancock, H. W Hand. Ledyard M Handler, Eugene H Hankin, John H. Hanny, George Hansen, Edmund H Hansen, Torvald Hantman, Alexander Hanville, Roy A. Harber, Elwood F. Hardesty, Howard P	410 Center St., Solvay, N. Y	.5 1.0
8AOM	Hamel, Arthur	29 Martin Ave., Amherst, Ohio	1.0
8US 8AGT	Hand Ladvard M	1645 Lyson St. NE. Grand Rapids Mich	1.0
8TB	Handler, Eugene H	53 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	
8AZ 8NO_	Hansen, Torvald	7325 Clinton Ave., Cleveland, Ohio.	1.0
8ASE	Hantman, Alexander	21 Vine St., Pittsburgh, Pa	.5 .5 1.0 1.0
8AGE 8WT	Hanville, Roy A	North Fairfield, Ohio	.5 .5 .5 .5 .5
8WY	Hardesty Howard P	1186 Conton Ava Detroit Mich	.5
8NR	Hare, Paul W	Near Fredericktown, Ohio	.5
8AGS 8OH	Hart, I. Bruce	1215 S. Arch Ave., Alliance, Ohio	- 5
80H	Harter, Raymond	Spencerville, Ohio Ohio	. 5
8AM 8AKH	Hartwick Harry S	R F D No. 1. Clarks Summit. Pa	.5
8AA	Harber, Elwood F. Hardesty, Howard P. Hare, Paul W. Hart, I. Bruce. Harter, Raymond Hartle, Wilbert G. Hartwick, Harry S. Hausding, William A. Hawks, Harry L. Haynes, William. Helbling, William E. Henes, Christian.	Traverse City, Mich.	1.0
8AHN	Hawks, Harry L	Fleming, Pa	1.0
8FH 8AAE	Haynes, William	102 N. Florence St., Springfield, Ohio	1.0
8APG	Henes, Christian	604 Main St., Hamilton, Ohio	1.0
8EX	Henlein, Carl A Henninger, Alan E	2446 Mount Ave., Norwood, Ohio	1.0
8GN	Henninger, Alan E	11220 Clifton Blvd., Cleveland, Ohio	1.0
8AKF 8ARM	Henner, Earl Herrick, Robert E Herrington, Fred	26 S. Linwood Ave. Crafton Pa	1.0
8WB	Herrington, Fred	R. F. D. No. 6, Paw Paw, Mich.	.5
8LZ	Herrington, Fred Hess, Elmer Hickler, Walter R Higgins, Orlo M Higgy, Robert C Hill, Dormand S Hill Top Y. M. C. A Hiller, Herbert A Hills, Harold C Hills, Virgil A. and Harold G Hinton, Don Hirsch, Leo E Hisey, Norval W Hodgkins, Harley G Hoehl, Raymond H Hoffman, Donald A	4129 Carter St., Norwood, Ohio	.5 .5 .5
8WE 8AMT	Hickler, Walter R	1340 Lakeland Ave., Lakewood, Ohio	-0
8PM	Higgy, Robert C	1072 W. Market St., Lima, Ohio	.5
8LI	Hill, Dormand S	2 Tast Ave., Detroit, Mich	.5 .5 1.0
8GB	Hill Top Y. M. C. A	Pittsburgh, Pa.	1.5
8BA 8AST	Hills Harold C	Polarmo N V	1.0
8KR	Hills, Virgil A. and Harold G.	2068 E. 100th St., Cleveland, Ohio	1.0
8OG	Hinton, Don	Cambridge, Ohio	.5
8UT 8ACA	Hirsch, Leo E	1281 S. High St., Columbus, Ohio	- 1
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 8QV 8FC	Hoffman, Donald A	26 Lincoln Ave., Crafton, Pa.	.5
8FC	Holden, Ira S	2920 Vernon Pl., Cincinnati, Ohio	. 5 . 5 . 5 . 5 . 5
8MC	Holden, Ira S. Holmes, Charles A. Holmes, Charles E. Holt, George W. Hoover, Paul L. Hoover, Raymond.	7325 Clinton Ave., Cleveland, Ohio. 21 Vine St., Pittsburgh, Pa. North Fairfield, Ohio. 507 Columbia Ave., Rochester, N. Y. 1186 Canton Ave., Detroit, Mich. Near Fredericktown, Ohio. 1215 S. Arch Ave., Alliance, Ohio. Spencerville, Ohio. 1438 W. 114th St., Cleveland, Ohio. R. F. D. No. 1, Clarks Summit, Pa. Traverse City, Mich. Fleming, Pa. 102 N. Florence St., Springfield, Ohio. 36 Marion Ave., Crafton, Pa. 604 Main St., Hamilton, Ohio. 1446 Mount Ave., Norwood, Ohio. 11220 Cliton Blvd., Cleveland, Ohio. 450 Morgan St., Pittsburgh, Pa. 26 S. Linwood Ave., Crafton, Pa. R. F. D. No. 6, Paw Paw, Mich. 4129 Carter St., Norwood, Ohio. 1340 Lakeland Ave., Lakewood, Ohio. 1340 Lakeland Ave., Lakewood, Ohio. 214 Lake Ave., Elyria, Ohio. 1072 W. Market St., Lima, Ohio. 215 Taft Ave., Detroit, Mich. Pittsburgh, Pa. 141 Hanover St., Silver Creek, N. Y. Palermo, N. Y. 2066 E. 100th St., Cleveland, Ohio. 225 Broadway, Toledo, Ohio. 1281 S. High St., Columbus, Ohio. 235 Broadway, Toledo, Ohio. 238 Orchard St., Pittsburgh, Pa. 290 Vernon Pl., Circinnati, Ohio. 286 S. State St., Marion, Ohio. 286 S. State St., Marion, Ohio. 287 S. Salech St., Akron, Ohio. 288 Prospect Ave., Buffalo, N. Y. 310 Brown St., Grand Rapids, Mich. 789 Prospect Ave., Buffalo, N. Y. 32 Poplar St., Mansfield, Ohio. Maumee, Ohio. 128 S. Hish St., Cleveland, Ohio. 32 Millord St., Binghamton, N. Y. Lavelle, Pa. 207 Elmwood Ave., Newark, Ohio.	1.0
8DR 8HO	Holt. George W	789 Prospect Ave., Buffalo, N. Y	1.0
8IC	Hoover, Paul L	32 Poplar St., Mansfield, Ohio	1.0
8GT	Hoover, Raymond	Maumee, Ohlo	.5
8BU	Hopkins, Cecil W	812 S. 9th St., Hamilton, Uhio	1.0
8G Q 8E P	Hoover, Raymond Hopkins, Cecil W. Horn, Herbert E. Hornbeck, John Hornung, Romey W. Horton, Paul E. Hott, Loewy Houck, Homer D. Houck, Hugh H. House, Elra E. Hovey, Carlton F.	32 Milford St., Binghamton, N. Y.	1. 0 1. 0 1. 0
8PT	Hornung, Romey W	Lavelle, Pa	1.0
8DA	Horton, Paul E	32 Milford St., Binghamton, N. Y Lavelle, Pa 207 Elmwood Ave., Newark, Ohio 149 S. Main St., Keyser, W. Va. 430 Werner St., Youngstown, Ohio 605 W. Hardin St., Findlay, Ohio 272 N. Michigan St., Battle Creek, Mich 476 Melville St., Rochester, N. Y. 183 S. Pine St., Newark, Ohio 119 W. Decatur St., Eaton, Ohio Granville, Ohio	1.0
8UR 8AEV	Houck Homer D	430 Werner St., Youngstown, Ohio	
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	1.
8AGF 8ASG	Howard, Carl G	119 W. Decatur St., Eaton. Ohio	
8ABR	Hovey, Carlton F. Howard, Carl G. Howsare, George D. Howe, Richard H.	Granville, Ohio	
8BB	Howes, Stanley L	515 Eleanor St., Kalamazoo, Mich	
SALT	Howes, Stanley L. Howland, Dwight. Hudson, Albert N Huey, Wesley. Hun, Samuel W.	Granville, Ohio. 515 Eleanor St., Kalamazoo, Mich. Edinboro, Pa. 406 Park Ave., Fulton, N. Y. Middlefield, Ohio. 915 Campbell St., Williamsport, Pa.	
8FL 8AIJ	Huev. Wesley	Middlefield, Ohio.	
8APR	Hun, Samuel W	915 Campbell St., Williamsport, Pa	

EIGHTH DISTRICT-Continued.

ALPHABETICALLY BY OWNERS OF STATIONS-Continued.

Call signal.	Owner of station.	Location of station.	Power
			Kw.
RAOY	Hughes, Edwin R	20 74th St., Carthage, Ohio	0.
8RR_	Hull, Earl C. Hull, James E.	7631 15th St., Niagara Falls, N. Y	1.
BAOE	Hull, James E	322 Main St., Cheboygan, Mich	1.
MHR	Human, Edward J. L	532 5th St., Niagara Falls, N. Y	
300	Human, Edward J. L	1606 Grace Ave., Lakewood, Ohio	
BNK	Hunt, Barton L	1280 Courtland Ave., Columbus, Ohio	
RALM	Hunter, Noble A	Capac, Mich	1.
BLX	Hunt, Barton L Hunter, Noble A Ilgenfritz, James 1. E. Ilgenfritz, Lester M	Capac, Mich. 224 Elin Ave., Monroe, Mich 22 E. Forest St., Detroit, Mich. 74 W. Ridge Ave., Crafton, Pa.	1.
BUN	Incole Allen C	24 W. Didge Ave. Confton Po	
BARJ	levin Daniel I.	Curwangvilla Pa	1
RAY	Irvine Robert P.	3501 Storer Ave., Cleveland, Ohio	î
RAGB	Ingals, Allan C Irvin, Daniel L. Irvine, Robert I' Jacks, Albert L.	6505 Shetland Ave., Pittsburgh, Pa	•
BACM	Jacobus, Roger	312 Beakes St., Ann Arbor, Mich	
BF	Jarvis, Roy B	647 Main St., Wheeling, W. Va	1
TK	Jefferys, Paul M	1444 Lauderdale Ave., Lakewood, Ohio	
BANU	Jensen, Luther J	606 Parkside Ave., Buffalo, N. Y	
AGU	Jepson, Mark B.	Little Valley, N. Y	1
RARL	Johnson, Gordon F.	240 Clare Are Springfield Obje	
BCR RSD	Johnston Clarence N	1225 Hill St. Ann Arbor Mich	1
RHC	Johnston & Paul	201 8 Craig St Pittsburgh Pa	1
BACW	Johnstone, Richard S	R. F. D. No. 2 Glenshaw, Pa.	
BUO	Jacobus, Roger Jarvis, Roy B Jefferys, Paul M Jensen, Luther J Jepson, Mark B Johnson, Gordon E Johnson, J. H. E Johnston, Clarence N Johnston, Richard S Jones, D. Walter Jones, B. Hugo W	643 Schuyler Ave., Dorranceton, Pa	1
BABN	Jones, Hugo W Jones, Winferd E Judd, Max A	109 Marshall St., Conneaut, Ohio	_
8PU	Jones, Winferd E	87 Holland Ave., Lancaster, N. Y	1
BWF	Judd, Max A	Chesaning, Mich	
BAKQ	Kaenni, Francis J	3267 Scranton Rd., Cleveland, Ohio	
BAIV	Kaestle, Albert	2 E. Forest St., Detroit, Mich. 71 W. Ridge Ave., Crafton, Pa. Curwensville, Pa. 3501 Storer Ave., Cleveland, Ohio. 6506 Shetland Ave., Pittsburgh, Pa. 312 Beakes St., Ann Arbor, Mich. 647 Main St., Wheeling, W. Va. 1144 Lauderdale Ave., Lakewood, Ohio. 606 Parkside Ave., Buffalo, N. Y. Little Valley, N. Y. 2240 Lawrence Ave., Poledo, Ohio. 339 Glenn Ave., Springfield, Ohio. 1335 Hill St., Ann Arbor, Mich. 201 S. Craig St. Pittsburgh, Pa. R. F. D. No. 2, Glenshaw, Pa. 643 Schuyler Ave., Dorranceton, Pa. 109 Marshall St., Conneaut, Ohio. 87 Holland Ave., Lancaster, N. Y. Chesaning, Mich. 2367 Scranton Rd., Cleveland, Ohio. 1473 Maple Rd., Cleveland, Heights, Ohio. 1510 E. 123d St., Cleveland, Ohio. 1241 E. 103d St., Cleveland, Ohio. 1241 R. 1967 St., Dunkirk, N. Y. 208 Claremont Ave., Rochester, N. Y. 413 Robin St., Dunkirk, N. Y. 208 Claremont Ave., Ashland, Ohio. 171 precanoe City, Ohio. 242 Chestnut St., Liberty, N. Y. 4012 Colerain Ave., Cincinnati, Ohio. 18 Stratford Park, Rochester, N. Y. Dravosburg, Pa.	١.
RADO	Kann, Fred J.	1911 F. 102d St., Cleveland, Ohio	i
ROO	Kampie, Lorbert J. Kane, William C., jr. Karl, Rudolph. Kaufiman, Jacob W.	221 Recorpore Ava Rochester N V	1
RATO	Karl Rudolph	413 Robin St., Dunkirk, N. Y.	
RATQ BAAZ	Kauffman, Jacob W	208 Claremont Ave., Ashland, Ohio	
RAGA	Katunman, Jacob W Katzenberger, Raymond Kays, George W., jr Keen, William 1. Kelly, Edward O. Kelso, Herbert F.	Tiprecanoe City, Ohio	
RALU	Kays, George W., jr	242 Chestnut St., Liberty, N. Y	1
RNM	Keen, William L	4012 Colerain Ave., Cincinnati. Ohio	1
BQH	Kelly, Edward O	18 Stratford Park, Rochester, N. Y	1
BACN	Kelso, Herbert F. Kent, Arthur L.	100 Court Of Binchomton N V	
BACC	Vanley M Newton	133 (our 6 oc., Diugnamiton, 4	
BAKA	Kenler Rainh F.	210 Allen St. Dayton, Ohio	
MAGE	Kerstetter, L. Howard	633 Carlton St., Toledo, Ohio.	
BAQE	Kersting, Ferdinand	165 S. Gratiot Ave., Mt. Clemens, Mich.	1
BASC	Kepler, M. Newton Kepler, Ralph E Kerstetter, I, Howard Kersting, Ferdinand Kidd, J. William Kiger, Earnest W Kilbury, Walter A Kimberly, Frank King, William R Kingsbury, Ralph N Kinman, Carson Kinney, Russell Kirney, Russell	289 Willow St., Meadville, Pa. 210 Allen St., Dayton, Ohio. 633 Carlton St., Toledo, Ohio. 165 S. Gratiot Ave., Mt. Clemens, Mich. 606 Cherry St., Niles, Ohio. Williamstown, W. Va. 119 N. Greenwood St., Marion, Ohio 1402 Monterey St., Pittsburgh, Pa. 5920 Wellesley Ave., Pittsburgh, Pa. 594 E. Main St., Ravenna, Ohio. 931 Rawson Ave., Fremont, Ohio Frankfort, Mich.	1
BAEK	Kiger, Earnest W	Williamstown, W. Va	_
BAFM	Kilbury, Walter A	119 N. Greenwood St., Marion, Ohio	
BBD	Kimberly, Frank	1402 Monterey St., Pittsburgh, Pa	
BAQA	King, William R	5920 Wellesley Ave., Pittsburgh, Pa	1
BAAT	Kingsoury, Raipii N	031 Reween Ave Frement Ohio	1
EU	Kinne Laurence W	Frankfort, Mich	
EO	Kinney Russell	735 Hurnor St., Toledo, Ohio. 425 Cumberland Ave., Buffalo, N. Y 611 S. Main St., Ann Arbor, Mich. 1135 Murray Hill Ave., Pittsburgh, Pa	
OF	Kirchner, Charles	425 Cumberland Ave., Buffalo, N. Y.	
SOF BRA	Klager, Oscar C	611 S. Main St., Ann Arbor, Mich	
3G V	Klager, Oscar C. Kleber, Jackson O.	1135 Murray Hill Ave., Pittsburgh, Pa	
BAOS		375 Welch St., Columbus, Ohio	
BDN	Knappen, Bert	4 Trankla Ave., Grand Rapids, Mich	
3G8	Knappen, Bert Knappen, Bert Knade, C. Kewley Knoll, Floyd A Knott, Charles E	1337 W. 114th St., Cleveland, Unio	
BMN	Knott Charles K	107 Stedman Saura Pa	1
DK	Kobec Frank	7711 Central Ave. Cleveland, Ohio	1
BAMB	Koch Frank	2403 Highland Ave., Cincinnati, Ohio.	
KW	Kohler, Harry W	1135 Murray Hill Ave., Pittsburgh, Pa 275 Welch St., Columbus, Ohio 4 Trankla Ave., Grand Rapids, Mich 1337 W. 114th St., Cleveland, Ohio. 93 Chapin Parkway, Buffalo, N. Y. 107 Stedman, Sayre, Pa 7711 Central Ave., Cleveland, Ohio. 2403 Highland Ave., Cincinnati, Ohio. 605 E. Middle St., Wapakoneta, Ohio.	
BADJ	Kohli, Homer J	Pandora, Ohio	
8GO	Kohnitz, Harvey F	R. F. D. No. 2, Plymouth, Mich	
BGL	Knott, Charles E Kobre, Frank Koch, Frank Kohler, Harry W Kohli, Homer J Kohnitz, Harvey F Konrad, Henry Koyatch, Alexander	Pandora, Ohio R. F. D. No. 2, Plymouth, Mich	1
BAFS	Kovatch, Alexander	1780 Fulton Rd., Cleveland, Ohio	1
BPD	Krause, Karl A	1780 Fulton Rd., Cleveland, Ohio 244 S. Front St., Mt. Clemens, Mich. 12414 Ingomar Ave., Cleveland, Ohio.	
NV		717 W. Poos St. Potterille Po.	1
BAHW	Vesce Lecter P	202 Georgia Ave. Lorein Obio	
BCV BAMW	Krauzer Joseph D	1244 Infolmar Ave., Cleveland, Olifor 1717 W. Race St., Pottsville, Pa. 302 Georgia Ave., Lorain, Ohio. 663 Hopkins St., Buffalo, N. Y. 1837 Clarion Ave., Cincinnati, Ohio. 811 York St., Cincinnati, Ohio.	
BBI BLV	Kroeger, Gustav H	1837 Clarion Ave., Cincinnati, Ohio.	1
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54257°-16--10

EIGHTH DISTRICT—Continued.

Call signal.	Owner of station.	Location of station.	Power
			Kw.
8HY 8EK	Kuehner, Roland	168 Kinsey Ave., Cincinnati, Ohio	0.
8E K 8ALD	Lacock Walter B	168 Kinsey Ave., Cincinnati, Ohio. Crittenden, N. Y. 235 W. Pike St., Canonsburg, Pa. 186 Riley St., Buffalo, N. Y. 5520 Baywood St., Pittsburgh, Pa. 63 St. John Ave., Binghamton, N. Y. 2 Orchard Ave., Auburn, N. Y. 2532 Robinwood Ave., Toledo, Ohio. White High School, Toledo, Ohio. Yale, Mich.	
EL	Lacock, Walter B. Langenbach, Leo	186 Riley St., Buffalo, N. Y	
BR	Lappe, E. Robert Lathrope, Lyman S Leach, Frederick E	5520 Baywood St., Pittsburgh, Pa	1.
UP	Lathrope, Lyman S	63 St. John Ave., Binghamton, N. Y	1.
AQU TU	Leach Gardner V	2532 Robinwood Ave. Toledo. Obio	
RB	Leach, Gardner V	White High School, Toledo, Ohio	1.
AGQ	Learmont, Victor Leary, Robert Lee, Harry H	Yale, Mich. 27 Inwood Pl., Buffalo, N. Y Memphis, Mich.	
UQ	Leary, Robert	27 Inwood Pl., Buffalo, N. Y	
ADH KG	Loffer Ralph H	Tiffin. Ohio.	:
AFT	Leffler, Ralph H. Leighton, Paul A. Leonhardt, Carl	55 Lexington Ave., Columbus, Ohio	1.
OTC.	Leonhardt, Carl	14 Olive St., Norwalk, Ohio.	1.
NL	Leppert, John L	611 E. Church St., Gallon, Ohio	
JI MM	Leppert, John L. Lester, William G. Levy, Irving R.	Memphis, Mich Tiffin, Ohlo Tiffin, Ohlo St. Lexington Ave., Columbus, Ohlo. 14 Olive St., Norwalk, Ohlo 611 E. Church St., Gallon, Ohlo. 189 N. Division St., Buffalo, N. Y. 1333 E. Blvd., Cleveland, Ohlo. 2921 Urwiler St., Cincinnati, Ohlo. 15 Hullet St., Horseheads, N. Y. 600 Park Ave., Rochester, N. Y. 172 N. Division St., Buffalo, N. Y. 140 Eagle St., Dayton, Ohlo. 15 M. N. Proof St. Pidgraps, Pa	1.
ANQ		2921 Urwiler St., Cincinnati, Ohio	1
0.0	Lewis, Nelson	15 Hullet St., Horseheads, N. Y.	1.
IGN	Lindsay, Alexander M., Jr	172 N. Division St. Buffale, N. Y.	1.
J	Linxweiler, Carl I	140 Eagle St., Davton, Ohio	1.0
SA	Lininger, Clarence R	614 N. Broad St., Ridgway, Pa	1.
3E	Lewis, Walter E. Lindsay, Alexander M., Jr. Lindsay, Percy H. Lindsay, Percy H. Linxweiler, Carl J. Linlinger, Clarence R. Lippert, John P. Livinggood, Hubert W. Locke, Carl M. Lockwood, Harry P. Loebs, George Loohr, George R. Lohrey, Clarence R. Long, Charles A. Lord, Harry R. Lucas, W. Gerald. Lyons, Henry E. MacCandless, Lyon H. Macer, Arthur J. Mack, Clifford J. MacKnight, J. Donald. MacLaughlin, Donald.	140 Eagle St., Dayton, Ohio. 140 Eagle St., Dayton, Ohio. 151 N. Broad St., Ridgway, Pa. 158 Rozelle Ave., East Cleveland, Ohio. 1825 Michigan Ave., Detroit, Mich.	1.0
IR RH	Livinggood, Hubert W	1825 Michigan Ave., Detroit, Mich	1.0
PE	Lockwood Harry P	1500 Coutant St., Lakewood, Ohio	1.
F	Loebs, George	1139 St. Paul St., Rochester, N. Y	
U	Lochr, George R	11444 Euclid Ave., Cleveland, Ohio	1.0
AN	Lohrey, Clarence R	1210 E. Ludlow St., Hamilton, Ohio	1.
2	Lord Harry R	1210 E. Ludiow St., Hamilton, Onio	1.0
3	Lucas, W. Gerald	63 E. Pine St., Gloversville, N. Y	
O O	Lyons, Henry E	Ripley, N. Y	
5	MacCandless, Lyon II	351 Jefferson St., Rochester, Pa	1. 1.
1	Mack, Clifford J	49 McGovern Ave., Ashtabula, Ohio	1.0
0	Macknight, J. Donald	44 Tremont Ave., Binghamton, N. Y	
CR I	MacLaren, Wallace E	2979 Hampshire Rd., Cleveland Heights, Ohio	1.0
	MacDargailla, Donaid	549 A St. Lorgin Obje	1.
•	Maddock, Lewis D	183 Winkles St., Elyria, Ohio	
2	Magdeburg, Morris R	1306 Spruce St., Ashland, Pa.	
Q	MacLaughlin, Donald MacPherson, William D Maddock, Lewis D Magdeburg, Morris R Magregor, James E Mallin, Samuel	211 Gold Ave., Grand Rapids, Mich	1.
F BO	Mann, Frank W. and Orville	63 E. Pine St., Gloversville, N. Y. Ripley, N. Y. 351 Jefferson St., Rochester, Pa. 37 Jefferson St., Westfield, N. Y. 49 McGovern Ave., Ashtabula, Ohio. 44 Tremont Ave., Binghamton, N. Y. 2979 Hampshire Rd., Cleveland Heights, Ohio. 261 W. 8th St., Marysville, Ohio. 549 A St., Lorain, Ohio. 133 Winkles St., Elyria, Ohio 136 Spruce St., Ashland, Pa. 211 Gold Ave., Grand Rapids, Mich. 12 S. Gratiot Ave., Mt. Clemens, Mich. 728 Elm Pl., Kalamazoo, Mich.	i.i
QN	Mann, Rolland Manning, Alfred J. Manning, Alfred J. Manning, Howard Manning, Stuart M. Marshall, Frank J. Marshall, Leonard A. Marshall, Ronald A.	53 Good Ave Buffalo, N. Y	1
Ĭ	Manning Howard	298 Prospect Ave., Meadville, Pa.	13
EN	Manning, Stuart M	527 Mitchell St., Petoskey, Mich	
V	Marshall, Frank J	298 Prospect Ave., Meadville, Pa	1.
v	Marshall Ropold A	Cazanovia N Y	1.
v	Massani, Konaid A. Mason, Carl D. Mason, George W. Mason, Norman P. Matthes, Frank P. Mattice, William A. Maxon, Harry L. Maynard, Reginald. McBride, George. McCaffry Angis	Oak Grove, Mich.	•
BN	Mason, George W	165 S. 2d St., Fulton, N. Y	1.
R	Mason, Norman P	85 Brinkerhoff St., Plattsburg, N. Y	1.
HA	Matthes, Frank I'	14 8th St., Rochester, N. Y	
В	Maxon, Harry L	267 Brinkman St., Buffalo, N. Y	
Y	Maynard, Reginald	920 Grandview St., Scranton, Pa	1.0
RH	McBride, George	7061 Litchfield St., Bay City, Mich	1.9
D	McCaffry, Angus	38 Morgan St. Oberlin Obio	
F	McCowan, Jack.	906 8th St., Port Huron, Mich.	1.0
I	McCowan, Jack	1540 12th St., Detroit, Mich	
VII	McCullough, C. Hax	5801 Stanton Ave., Pittsburgh, Pa	1.0
ED	McDaniel Donald C	17 Colorado St., Faicoller, N. Y	1.0
ζ.	McDowell, M. Fay	612 Mithoff St., Columbus, Ohio	1.0
I OU	McEniry, Clifford U	875 Michigan Ave., Buffalo, N.Y	1.3
UU	McKee, Robert R	7008 Church Ave., Ben Avon, Pa	1.0 1.0
NC LD	McUtcheon, William A McDaniel, Donald G McDowell, M. Fay McEniry, Clifford U McKee, Robert R McMillan, Howard F McMunn, J. Homer Meighan, James C Menges, William E	2234 Putnam St., Toledo, Ohio. Cazenovia, N. Y. Oak Grove, Mich 165 S. 2d St., Fulton, N. Y. 85 Brinkerhoff St., Plattsburg, N. Y. 14 8th St., Rochester, N. Y. 105 Highland Pl., Ithaca, N. Y. 267 Brinkman St., Buffalo, N. Y. 2920 Grandview St., Scranton, Pa. 7064 Litchfield St., Bay City, Mich. 103 W. Willis Ave., Detroit, Mich. 38 Morgan St., Oberlin, Ohio. 906 8th St., Port Huron, Mich. 1540 12th St., Detroit, Mich. 5801 Stanton Ave., Pittsburgh, Pa. 103 Dow St., Falconer, N. Y. 17 Colorado St., Ashtabula, Ohio. 612 Mithoff St., Columbus, Ohio. 875 Michigan Ave., Buffalo, N. Y. 7008 Church Ave., Ben Avon, Pa. 217 W. High St., Mt. Gilead, Ohio. Cambridge, Ohio. Cambridge, Ohio. Olivers Mills, Pa. 6428 Aurelia St., Pittsburgh, Pa.	1.0
'G	Meighan, James C	Olivers Mills, Pa	1.0
			5

EIGHTH DISTRICT-Continued.

Call signal.	Owner of station.	Location of station.	Powe
			Kw.
8A KS 8A KJ 8I B	Meredith, C. Palmer. Merrick, W. Bernard Mielke, Carl E.	628 S. Fountain St., Springfield, Ohio	1
8A KJ	Merrick, W. Bernard	156 Marshall St., Conneaut, Ohio	
8IB	Mielke, Carl E	Suppose tills Obis	
RPA	Miller, Arthur	Spencerville, Ohio	
VAAV	Miller, Arthur P. Miller, Carl E., jr. Millspaugh, Frederick	71 Aurora St. Langastor N. V	
RAAX	Millspaugh Frederick	37 Gaylord St. Binghamton N V	
RQM	Milvo Stanhan	Mount Carmel, Pa	
BR	Miner, Simeon J Mitchell, Edward II Mitchell, Phillip. Mitchell, William E	2253 E. Jefferson St., Detroit, Mich. 539 Main St., Findlay Ohio. 8806 Blaine Ave., Cleveland, Ohio. R. F. D. No. 1, Oxford, Ohio.	
BOW	Mitchell, Edward II.	539 Main St., Findlay Ohio.	1
BUL	Mitchell, Phillip	8806 Blaine Ave., Cleveland, Ohio	
EZ	Mitchell, William E	R. F. D. No. 1, Oxford, Ohio	
BAES	Mittendorf, Earl D Moershfelder, Herbert L	403 5th St., Ironton, Ohio	1
HP	Moershielder, Herbert L	34 Ketchum Pl., Buffalo, N. Y.	
JF BUG	Moon, Orville P Moore, Chester Moore, Harold S Moore, John B	28 Linden Ave. Ruffele N V	
AFN	Moore Harold 8	18 Lowest St. Norwich N. V	
UZ	Moore John B	141 Park St. Ruffalo N. V	
AAD	Moore John H	40 Prospect St. Susquehanna, Pa	
AGK	Moore, John H	31 Monroe St., Monroeville, Ohio	
AOF	Morrow, Lorentz A	1231 E. High St., Springfield, Ohio	1
NE	Mosteller, Floyd		
UE	Moty Leo	St. Augustine's School, Cincinnati, Ohio.	1
AAL	Moyer, Gilbert G. Mueller, Henry C. Muhlbeyer, Charles W Muhlhelzler, Louis.	1603 Lincoln Ave., Lakewood, Ohio	
SR	Mueller, Henry C	1919 Doll St., Pittsburgh, Pa	
SAS	Munibeyer, Charles W	State mospital, Rochester, N. I	
ST	Munch, Ernest A. and Al-	105 Excelsior St., Pittsburgh, Pa.	1
SIS	bert A.	100 Excessor St., I ittsouign, I a	
BAIR	Manna Clann 1	25 Calvert Ave., Detroit, Mich	
EB	Munsell, Robert S. Murdoch, William B., jr. Murray, Charles J. Muryne, Leo F. J. Myers, George E. Myers, Homer B. Myers, Walter L.	191 Center St., Ashtabula, Ohio. 301 W. College St., Canonsburg, Pa. 701 W. Fair St., New Philadelphia, Ohio. 633 W. North St., Kalamazoo, Mich. R. F. D. No. I, Grand Blanc, Mich.	
MAAM	Murdoch, William B., ir	301 W. College St., Canonsburg, l'a	
BANZ	Murray, Charles J	701 W. Fair St., New Philadelphia, Ohio	
BAIE	Muryne, Leo F. J	633 W. North St., Kalamazoo, Mich	
BEN	Myers, George E	R. F. D. No. 1, Grand Blanc, Mich	
BHD	Myers, Homer B	1310 Huron Rd., Cleveland, Ohio. 1512 W. Market St., Steubenville, Ohio.	١.
BABD	Myers, Walter L. Nabring, Franklin Nealon, William A. Neupert, Robert E.	1512 W. Market St., Steubenville, Onio	1
BLO	Maden William A	1512 W. Market St., Steubenvine, Onio. 52 Foster Ave., Norwalk, Ohio. 1604 St. Clair St., Cleveland, Ohio. 500 Chartiers Ave., McKees Rocks, Pa. 111 Orchard St., Solvay, N. Y. 685 W. Ferry St., Buffalo, N. Y. Cherry & 3d Sts., Jamestown. N. Y. 565 School St., South Haven, Mich. Cottornagus N. Y.	
BTP BMP	Neuport Robert F	500 Chartiers Ava McKees Rocks Pa	1
BTI	Newbold, James L	111 Orchard St. Solvay, N. Y	1 1
ARC	Newman, Ansley	685 W. Ferry St., Buffalo, N. Y	
KS	Newbold, James I. Newman, Ansley Newton, Archibald E. Newton, Harold D. Nichols, Raymond B. Norquist, Reynold O.	Cherry & 3d Sts., Jamestown, N. Y.	1 1
SAPT	Newton, Harold D	565 School St., South Haven, Mich	
JH	Nichols, Raymond B	Cattaraugus, N. Y	
BACE	Norquist, Reynold O	517 E. 5th St., Jamestown, N. Y.	
BID	Norris, George II	77 Melbourne Ave., Detroit, Mich	1
BL	O'Bryan, James W	Cattarangus, N. Y 517 E. 5th St., Jamestown, N. Y 77 Melbourne Ave., Detroit, Mich Ranson, W. Va.	
KN	O'l cory Hiles	Montaleir St. and Stratford Ave. Crafton Da	
BASS	Olney Clarke	28 Royford Rd East Cleveland Ohio	1
A DQ	Olson, Elvin E	Frankford, Mich	
DF	Norquist, Reynold O Norris, George H O'Bryan, James W Odenkirk, Russell O'Leary, Hilary Olney, Clarke Olson, Elvin E Orrell, Robert W Osterbrock, Edward and Harry, ir.	77 Melbourne Ave., Detroit, Mich. Ranson, W. Va. 332 N. Bever St., Wooster, Ohio Montclair St. and Strat'ord Ave., Crafton, Pa. 28 Roxford Rd., East Cleveland, Ohio Frankford, Mich 87 Frederick Ave., Detroit, Mich	
DL	Osterbrock, Edward and	4152 Webster Ave., Norwood, Ohio.	
	Harry, jr.		
SJ	Ottney, James N	Gibsonburg, Ohio.	1
AGX	Paasch, Harold	215 W. Front St., Erie, Pa.	
BLB	Harry, jr. Ottney, James N. Paasch, Harold. Palmer, Roland F. Palmer, Roy.	Gibsonburg, Ohio. 215 W. Front St., Erie, Pa. 470 E. Buchtel Ave., Akron, Ohio. 333 Pennsylvania Ave., Lansing, Mich.	
ACD	Pamer, Roy	R. F. D. No. 6, Lansing, Mich.	1
OT	Pancost, Maurice II	521 Nimons St. Saginaw Mich	1
CQ	Pardridge Walter	3039 Washington Ave. Saginaw. Mich.	1
CS AJA	Parmington, Walter O	1151 E. Main St., Rochester, N. Y.	
AIG	Parry, Kenneth E	1226 Gillette St., Port Huron, Mich	
ARR	Paul, George	2950 E. 57th St., Cleveland, Ohio	1
CY	Payne, Arthur F	629 Pierce St., Birmingham, Mich.	
CY VA OY	Pearce, Henry A	223 Cedar St., Buffalo, N. Y.	
OY	Peck, George W	1014 Vine St., Scranton, Pa.	
MAMK	Perry, Paul A	130 W 000IDING AVG., KOCHESTER, N. Y	
BAEF	Perry, Ransom, Jr	R. F. D. No. 6, Lansing, Mich. 521 Nimons St., Saginaw, Mich. 3039 Washington Ave., Saginaw, Mich. 1151 E. Main St., Rochester, N. Y. 1226 Gillette St., Port Huron, Mich. 2950 E. 57th St., Cleveland, Ohio. 629 Pierce St., Birmingham, Mich. 223 Cedar St., Buffalo, N. Y. 1014 Vine St., Scranton, Pa. 136 Woodbine Ave., Rochester, N. Y. Lisle, N. Y. 3288 Fulton Rd., Cleveland, Ohio. 10 Lowell St., Rochester, N. Y.	,
SSG BHT	Potz Joseph	10 Lowell St Rochester N V	1
BARA	Pancost, Maurice II Pardridge, Clarence It Pardridge, Walter ' Parmington, Walter O Parry, Kenneth E Paul, George Payne, Arthur F Pearce, Henry A Peck, George W Perry, Paul A Perry, Ransom, jr Pesek, Myron R Petz, Joseph Peters, Edward	188 N. 21st St. Columbus, Ohio	
BFQ	Phelos Raymond W	188 N. 21st St., Columbus, Ohio. 203 N. Almer St., Caro, Mich. 551 McKintrys Ave., Detroit, Mich. Conewango, N. Y	
BDJ	Phillips, Glenn E	551 McKintrys Ave., Detroit, Mich.	1
	1		

EIGHTH DISTRICT—Continued.

Call signal.	Owner of station.	Location of station.	Pow
		77 Market St., Mt. Clemens, Mich. R. F. D. No. 4, Battle Creek, Mich. 209 Hazelwood Ave., Emsworth, Pa. 142 Breckenridge St., Buffalo, N. Y. 16321 Ashbury Ave., Cleveland, Ohio. 159E. 123 St., Cleveland, Ohio. 212 E. Market St., Wilkes-Barre, Pa. 726 W. Norwegian St., Pottsville, Pa. 432 Pine St., Meadville, Pa. 5236 Westminster Pl., Pittsburgh, Pa. 839 E. Ridgeway Ave., Cincinnati, Ohio. 2124 N. 12th St., Toledo, Ohio. 537 W. Walnut St., Ashland, Ohio. 424 E. Main St., Wellington, Ohio. 3214 W. 88th St., Cleveland, Ohio. 471 Lincoln Ave., Bridgeport, Ohio. 823 Elizabeth St., Flint, Mich. 175 De Russey St., Binghamton, N. Y. 146 S. Bryant Ave., Bellevue, Pa. 24 Johnson Pk., Buffalo, N. Y. 209 Belvedere St., Charlevoix, Mich. Morrice, Mich.	Kı
8ANX	Phillips, William M	77 Market St., Mt. Clemens, Mich	
8CX	Phippeny, Forest I	R. F. D. No. 4. Battle Creek, Mich.	
8AKB	Pickens, Willard II	209 Hazelwood Ave., Emsworth, Pa	100
8GJ	Piper, Floyd B	10221 Ashbury Ava Claraland Ohio	
BCJ BRU	Phippeny, Forest I Pickens, Willard II Pickens, Willard II Piper, Floyd B Plantinga, John G Poad, Edwin H Popky, Charles J Potts, Charles G Pour, Neel I	1500E 123d St. Claveland Ohio	1
BAGP	Ponky Charles I	212 E. Market St., Wilkes-Barre, Pa	
BQW	Potts, Charles G.	726 W. Norwegian St., Pottsville, Pa.	
BHQ	Poux, Noel J.	432 Pine St., Meadville, Pa	
8QP	Pouts, Charles G. Poux, Noel J. Powell, Ralph C. Poysell, Robert E. Presce, Richard, jr. Preston, Kenneth G. Preston, Menzo D. Pringe Harmon	5236 Westminster Pl., Pittsburgh, Pa	
8WQ	Poysell, Robert E	839 E. Ridgeway Ave., Cincinnati, Ohio	
BME_	Preece, Richard, jr	2124 N. 12th St., Toledo, Ohio	
BADX	Preston, Kenneth G	537 W. Walnut St., Ashland, Onio	
380	Preston, Menzo D	2214 W 88th St., Wellington, Onio	
BFY BNT	Proffitt Jaroma R	471 Lincoln Ave. Bridgeport Ohio.	
BAKP	Prince, Harmon Proffitt, Jerome B Proper, Jesse B.	823 Elizabeth St., Flint, Mich	
BASL		175 De Russey St., Binghamton, N. Y.	
BAOD	Ragsdale, Charles C. C. Raichle, Joe L.	146 S. Bryant Ave., Bellevue, Pa	
BAJS	Raichle, Joe L	24 Johnson Pk., Buffalo, N. Y	
BIN	Ranger, Arthur	209 Belvedere St., Charlevoix, Mich.	
BADA	Rann, Maurice B	Morrice, Mich.	
BJL	Ranger, Arthur. Rann, Maurice B. Raring, William. Rawson, Myron A. Redington, Edmond B.	20 Dinsmore Ave., Crafton, Pa	1
BLS	Radington Edmond B	20 Dinsiliore Ave., Cratton, Fa. 535 Lodi St., Elyria, Ohio. 436 Waverly St., Waverly, N. Y. 2633 Norwood Ave., Pittsburgh, Pa. 288 Emerson St., Rochester, N. Y. 11423 Ashbury Ave., Cleveland, Ohio. Morrison and Cleveland Aves., Pittsburgh, Pa. 411 S. Limestone St., Springfield, Ohio	
BAQM BALS	Reed, Arthur J. Reeves, Arthur A., jr Reich, Herbert. Reichle, Henry W. Reid, Thomas A.	2633 Norwood Ave. Pittsburgh, Pa.	
BCE	Reeves, Arthur A., ir	288 Emerson St., Rochester, N. Y.	
BAP	Reich, Herbert	11423 Ashbury Ave., Cleveland, Ohio	
BAPW	Reichle, Henry W	Morrison and Cleveland Aves., Pittsburgh, Pa	
BSP	Reid, Thomas A	411 S. Limestone St., Springfield, Ohio	
BAHO	Reidenbach, Lester A	510 Sheridan Ave., Pittsburgh, Pa	100
BAGI	Reid, Thomas A. Reidenbach, Lester A. Rembold, Walter O. Reynolds, Charles L. Reynolds, Marion B.	111 S. Limestone St., Springheid, Onio. 510 Sheridan Ave., Pittsburgh, Pa. 120 Hershey St., Dayton, Ohio. 25 Sturges St., Binghamton, N. Y. 150 Livingston St., Buffalo, N. Y. 150 Livingston St., Buffalo, N. Y. 2259 E. 85th St., Cleveland, Ohio. 70 Davenport St., Detroit, Mich. 241 E. Center St., Shenandoah, Pa. 5811 Lexington Ave., Cleveland, Ohio. Lowelly ille. Ohio.	
SOP	Reynolds, Charles L	253 Rirr St. Poohoster N. V.	
BAEL BLD	Pice Homer D	150 Livingston St. Buffalo N V	
8TJ	Rice, Homer D	2259 E. 85th St., Cleveland, Ohio.	
8AQG		70 Davenport St., Detroit, Mich	
8TW	Richey, Joseph L. Richmond, Norman E. Ricksecker, Russell E. Riehle, J. F. Rippl, Lewis M.	241 E. Center St., Shenandoah, Pa	
BAC	Richmond, Norman E	5811 Lexington Ave., Cleveland, Ohio	100
BAGJ	Ricksecker, Russell E	Lowellville, Ohio	
8VD	Riehle, J. F	1601 2d St. NF. Conton Obje	
BAEU	Ritchey, Ole B	Love City Mich	
8MS 8AFK	Robertson Adelbert R	7938 Tioga St. Pittsburgh Pa	
BBW	Robinson, David K	Frankfort, Mich.	
BAAF	Robinson, David L	513 Freeport Rd., New Kensington, Pa	
BMF	Robie, Milo H	Williamson, N. Y	
8WX	Ritchey, Ole B Robertson, Adelbert R Robinson, David K Robinson, David L Robie, Milo H Rodd, Herbert C Robert C Robert C Robert C	2047 W. 101st St., Cleveland, Ohio	
BASI	Roe, Millard J	909 Egieston Ave., Kalamazoo, Mich	
BDT	Rogers, Grant	711 Uties St. Fulton N. V.	
BGM BLY	Rose Herman	77 Johnson St. Buffalo N V	
BIH	Rose, Herman	375 Commonwealth Ave., Detroit. Mich	
BARI	Ross, Kendrick	60 Warwick Ave., Rochester, N. Y	1
BADC	Roy, Percy W	295 Maple St., Buffalo, N. Y	10
BBM	Ruhl, Mark	160 Martin Ave., Columbus, Ohio	
BANE	Russell, Fred W	909 Kensington Ave. SW., Grand Rapids, Mich	
BAL	Russell, James L	2125 E. 79th St., Cleveland, Chio	
BCW BRX	Ryan, Reginald G	1453 14th Ava Detroit Mich	
BASW	Sagar Marel	44 Apple St., Tiffin, Ohio	
BAII	Sanborn, Irwin T	84 Chope Pl., Detroit, Mich.	
BAOO	Sauerbrey, William J.	Shenandoah, Pa	
BAOO	Saunders, Ezra L	141 4th Ave., Gallipolis, Ohio	1
BAOQ BNV	Sayles, Ralph H., jr	Milan, Ohio	
BAKZ	Sayles, Thomas S	1420 14th Ave., Detroit, Mich	
BADS	Schamberger, Sanford O	24 oth Ave., Gloversville, N. Y	1
ВНН	Schaming, John P	19912 Marston Ave. Clayeland Obje	1
8HG	School Joseph F	6243 Station St. Pittsburgh Pa	
80 K 8HN	Schlegel, Raymond ()	1118 N. Negley Ave., Pittsburgh, Pa	
8AFA	Schlesinger, Louis	1842 Centre Ave., Pittsburgh, Pa.	
8AFA 8AEE	Ross, Mendrick Roy, Percy W Ruhl, Mark Russell, Fred W Russell, James L Ryan, Reginald G Ryan, Theodore W Sager, Merel Sanborn, Irwin T Saurebrey, William J Saunders, Ezra L Sayles, Ralph H., jr Sayles, Thomas S Schamberger, Sanford O Schaming, John P Schardt, Carl M Schelb, Joseph F Schlegel, Raymond G Schlesinger, Louis Schmid, Paul J Schmid, Paul J Schmid, Paul J	821 Main St., Columbus, Ohio	
8RW			
8APD 8UU	Schmidt, Paul	106 Ewasteine St. Dittehuegh Da	

EIGHTH DISTRICT-Continued.

Call signal.	Owner of station.	Location of station.	Power
			Kie.
8AR 8KV	Schorn, Valentine A	338 Antietam St., Detroit, Mich	U.
8KV	Schramm, Joseph H	927 N. Highland Ave., Pittsburgh, Pa	
8DC	Cabailden Amthum	6110 Utica Ave., Cleveland, Ohio	
8LL	Schwanscamp, Raymond	207 Lemon St., Buffalo, N. Y.	
8BY	Schwindt, Herman J. Scott, Hoyt S. Scoville, George J. C. Scupholm, Fred J.	927 N. Highland Ave., Pittsburgh, Pa. 6110 Utica Ave., Cleveland, Ohio. 207 Lemon St., Buffalo, N. Y. 3517 Bevis Ave., Cincinnati, Ohio. North Fairfield, Ohio. 518 N. Jamison Ave., Lima, Ohio. 939 Court St., Port Huron, Mich. 220 Antrim St., Charlevoix, Mich. 1357 Tennessee Ave., Dormont, Pa. Crafton, Pa.	1.
8LE 8DB	Securitie Cooper I C	Still N. Jamison Ave. Lime Ohio	
8AGR	Sambolm Fred I	939 Court St. Port Huron Mich	
8PN	See, Chester F	220 Antrim St., Charlevoix, Mich.	
8ANI 8EE	Seidel, Frank	1357 Tennessee Ave., Dormont, Pa	
8EE	Selden, James M., Ir	Crafton, l'a	1.
8APU	Servais, Francis W	Falls Creek, Pa	1.
8TE	Seidel, Frank. Selden, James M., Jr. Servais, Francis W. Shafer, Andrew L. Shaw, Eurelle L. Shedd, Arthur R. Sheerin, Conway J.	Scott, Ohio. 2054 E. Anglaize St., Wapakoneta, Ohio. 302 Main St., Butler. Pa. 16 South St., Dansville, N. Y.	1
8PQ	Sheda Arthur D	202 Main St Butler Pa	1
8AEP 8GX	Sheerin Conway J	16 South St., Dansville N. Y	
8MJ	Sherman, Fred Sherrill, Alvan C. Shields, Robert D.	Benton Harbor, Mich. 326 S. Highland Ave., Pittsburgh, Pa Sta. B., North High St., Columbus, Ohio	1.
8JR	Sherrill, Alvan C	326 S. Highland Ave., Pittsburgh, Pa	1.
8AEW	Shields, Robert D	Sta. B., North High St., Columbus, Ohio	
8DG	Shiley, Charles	110 Washington St., Kalamazoo, Mich	
8LG	Sibert, Richard E	111 E. Benton St., Wapakonela, Ohio	1
8LG 8VE 8NZ	Siedle, William R	402 N. An St. Cambridge Obio	'
8TT	Simcox, Paul C		
RUX	Sleeman, Walter R. Sloeum, Charles. Slyfield, Charles O. Smith, Grant A.	205 Sagumore St., Pittsburgh. Pa	1
8UX 8WM	Slocum, Charles	170 Annadale Ave., Akron, Ohio	1
8ANT	Slyfield, Charles O	Frankfort, Mich	
8Q0	Smith, Grant A	Frankfort, Mich. 408 Jay 8t., St. Clair, Mich. 363 Potomac Ave., Buffalo, N. Y. 525 N. Main 8t., Wellington, Ohio. Tippecanoe City, Ohio.	
8AJR			
8CP	Smith, Newell R	Tippesance City, Obio	1
8KL 8OE	Smith Verne F	From Pa	
8ALA	8mith, Newell R 8mith, Raymond 8mith, Verne E 8nider, Ellwood H	Tippecanoe City, Ohio Knox, Pa. 20 Normandy Ave., Rochester, N. Y. 280 S. Walnut St., Ravenna, Ohio. 7 Central Ave., Ithaca, N. Y. 151 E. Main St., Bradford, Pa. 403 N. George St., Rome, N. Y. 23 Robinson Ter., Plattsburg, N. Y. 592 Lake St., Ashtabula, Ohio. 211 Strathmore Ave., East Cleveland, Ohio. 23 Sarnac St. Rochester, N. Y.	
8KZ	Snyder, Lawrence L	260 S. Walnut St., Ravenna, Ohio	1
SEO	Snider, Eliwood H. Snyder, Lawrence L. Snyder, Norman G. Somers, Warren A. Spargo, James A., Jr. Spaulding, Claude W. Spencer, J. Edmund Sniller, Archibald G.	7 Central Ave., Ithaca, N. Y	1
8ANN 8FT 8AKX	Somers, Warren A	151 E. Main St., Bradford, Pa	1
8FT	Spargo, James A., jr	403 N. George St., Rome, N. Y.	1
8AKX	Spaulding, Claude W	32 Robinson Ter., Plattsburg, N. Y	
8GW 8HK	Spiller, Archibald G	211 Strathmore Ave. Fast Claveland Ohio	
8QU	Spindler Raymond	83 Saranac St., Rochester, N. Y.	
SARY	Spitler, Stephen	Continental, Ohio.	1
8ARY 8SH	Spindler, Raymond Spitler, Stephen Spotts, Ralph T Staud, Cyril J Stauft, Jacob L	83 Saranac St., Rochester, N. Y. Continental, Ohio. 11721 Euclid Ave., Cleveland, Ohio. 203 Rutger St., Rochester, N. Y. 347 Oakland Ave., Pittsburgh, Pa. 587 Dewey Ave., Rochester, N. Y. 15 Bedford Ave., Monticello, N. Y. R. F. D. No. 2. Kittanning, Pa. 416 Pine St., Lima, Ohio.	. 1
8OZ	Staud, Cyril J	203 Rutger St., Rochester, N. Y	
8LH	Stauft, Jacob L	347 Oakland Ave., Pittsburgh, Pa	
8AKD	Staunton, R. E. Stecher, Harold I. Steim, L. Harold	587 Dewey Ave., Rochester, N. Y.	
8DY	Steener, Harold I	D F D No 2 Fittenning Po	
8II	Steinman, Dwight II	416 Pine St. Lima Ohio	1
8IZ 8WJ	Stelzer, James G	116 Pine St., Lima, Onio Frankfort, Mich. 15 Clark St., Lancaster, N. Y. 312 E. Jefferson St., Ann Arbor, Mich. 835 Glenwood Ave., Cincinnati, Ohio. 516 W. Cedar St., Kalamazoo, Mich.	
8BU	Stelzer, James G	15 Clark St., Lancaster, N. Y	
8ABI	Stellwagen, Arthur Stern, Fred W. Sternfield. Charles B. Stevens, Allen C. Stewart, Donald G.	312 E. Jefferson St., Ann Arbor, Mich	-
80L	Stern, Fred W	835 Glenwood Ave., Cincinnati, Ohio	1
810	Sternfield, Charles B	516 W. Cedar St., Kalamazoo, Mich.	1
8VW	Stevens, Allen C	1821 Humboldt Ave., Cincinnati, Unio	
8ANH	Stiveson Andrew	1530 Ruana Vista St. NS. Pittsburgh Pa	1
8PR 8ASF	Stiveson, Andrew	1821 Humboldt Ave, Cincinnati, Ohio. 2235 Putnam St., Toledo, Ohio. 1330 Buena Vista St. NS., Pittsburgh, Pa. 724 W. Market St., Lima, Ohio.	
8ABK	Ctonal: Hormed I C	694 Carpenter St., Columbus, Ohio	
8AAR 8TO	Stouffer, Vernon B. Stouter, Herbert J.	1195 Webb Rd., Lakewood, Ohio	
8TO	Stotter, Herbert J	1397 E. Blvd., Cleveland, Ohio	- 1
8ADN	Stradling, Fred	Plantion, N. Y.	
8AKK 8ABW	Stralling, Fred. Stralith, Floyd E. Straw, R. Clyde. Struchen, Raymond S. Strunk, William O. Stybr, Gilbert.	195 Webb Rd., Lakewood, Ohio	
8QA	Struchen, Raymond 8.	Sterrettania, Pa	
8HW	Strunk, William O	107 Lake St., Ithaca, N. Y	
8AD	Stybr, Gilbert	Sterrettania, Pa 107 Lake St., Ithaca, N. Y R. F. D. No. 3, Bellvue, Pa 305 Dixon Ave., Charlevoix, Mich	
8AMO	Supernaw, Jack 8. Sullebarger, John A.	305 Dixon Ave., Charlevoix, Mich.	
8ADR	Sullebarger, John A	1412 Woodbourne Ave., Pittsburgh, Pa	4
8RP	Sutherland, Arthur E., jr	105 Bellevue Drive, Kochester, N. Y	1
8DX 8BS	Swan Donald	123 Canfield Ave. Detroit Mich	1 1
8GP	Swanson, Oscar E	305 Dixon Ave., Charlevoix, Mich. 1412 Woodbourne Ave., Pittsburgh, Pa. 105 Bellevue Drive, Rochester, N. Y. 1444 E. 118th St., Cleveland, Ohio. 123 Canfield Ave., Detroit, Mich. 184 Bath St., Elyria, Ohio. 18 Alfred St., Binghamton, N. Y.	
8AMF	Quin ale Francet W	10 Alford St. Dischamber M. V.	

EIGHTH DISTRICT—Continued.

8AIP 8AK 8DH 8GE 8ASM 8HJ 8IQ 8KY	Tatman, Harley C. Taylor, Willard L. Temple, Lemuel M.		Total
8AK 8DH 8GE 8ASM 8HJ 8IQ 8KY	Tatman, Harley C		Ku
8DH 8GE 8ASM 8HJ 8IQ 8KY	Taylor, Willard L	Continental, Ohio.	
8GE 8ASM 8HJ 8IQ 8KY	(D1) Y1 M	148 Kennedy St., Syracuse, N. Y	100
8ASM 8HJ 8IQ 8KY	Terbrack, John II	Continental, Ohio. 148 Kennedy St., Syracuse, N. Y 103 Mason St., Cincinnati, Ohio. 3169 W. 90th St., Cleveland, Ohio.	
8HJ 8IQ 8KY		Scott Ohio	
8IQ 8KY	Terry, Donald M. Terry, James E. The Electro-Set Co. Thomas, Earl R. Thomas, Frank P. Thomas, Norman A. Thompson, Charles R. Thornton, Wallace W. Thurn, Alois H. Thurnes, Darley	3169 W. 90th St., Cleveland, Ohio Scott, Ohio 1877 E. 90th St., N.E., Cleveland, Ohio 3200 Franklin Ave. Cleveland, Ohio 712 Louisa St., Williamsport, Pa. 135 Brownsville Rd., Pittsburgh, Pa. 512 7th St., Marietta, Ohio	
8KY	The Electro-Set Co	3200 Franklin Ave., Cleveland, Ohio	
	Thomas, Earl R	712 Louisa St., Williamsport, Pa	
8ACI	Thomas, Frank P	135 Brownsville Rd., Pittsburgh, Pa	
8FX	Thomas, Norman A	512 7th St., Marietta, Ohio	
8AMV	Thompson, Charles R	815 Wall St., Port Huron, Mich.	
8AIZ 8AML	Thornton, wallace w	258 Madison Ave., Youngstown, Onio	
BAND	Thurnes Darley	187 W Chestnut St. Akran Obio	
BAAC	Tiffany Wade R	62 State St. Susquehanna Pa	
SSZ	Tobin, W. A.	426 W. McKibben St., Lima, Ohio	
BADE	Todd, Conway L	62 Berkeley St., Rochester, N. Y	
8GK	Tomlinson, George E	520 Crawford St., Grand Rapids, Mich	
BARV	Toreson, Alfred	9702 Allerton Ave., Cleveland, Ohio	
SRT SVG	Thurn, Alois II Thurnes, Darley Tiffany, Wade R. Tobin, W. A. Todd, Conway L. Tomlinson, George E. Toresson. Alfred Toy, Miles N. Trombley, Clarence E. Trotter, Robert J. Tullis, Don D. Turnbull, Alonzo E. Twitchell, H. Tyler, Albert P. Ulsh, Chester. Umbarger, Harold N. Van Buren, Harold J. Van De Carr, Richard D.	121 W. Market St., Lima, Ohio	
BVG BIP	Trombley, Clarence E	145 Washington Ave., Mt. Clemens, Mich	
SARE	Tullie Don D	50 N 2d St Nawark Ohio	
8BZ	Turnbull, Alonzo E	1167 Lagonda Ave. Springfield, Ohio	
BAPO	Twitchell, H	4th and Wood Sts., Hamilton, Ohio	
8ARU	Tyler, Albert P	299 Ardenall Ave., Cleveland, Ohio	
8FB	Ulsh, Chester	451 Summit St., Marion, Ohio	1
8VJ	Umbarger, Harold N	239 W. 5th St., Mansfield, Ohio	1
8QT	Van Buren, Harold J	114 N. Crawford Ave., New Castle, Pa	
BAQK BSX	Van De Carr, Richard D	11 Amnerst St., Rochester, N. Y	
BSE	Vickery William I	40 Ruse St. Gloversville N. V	
BAKN	Von Behren, William P	2149 Scottwood St., Toledo, Ohio	
8MK	Vonderhaar, Elliott	123 Valencia Ave. Cincinnati, Ohio.	
SABE	von Gunten, Leon	751 Brice Ave., Lima, Ohio	
8AOB 8BV	Wachs, William C	235 Hosea Ave., Cincinnati, Ohio	
8BV	Wagner, Wayne	18 East St., Ashtabula, Ohio	
80V	Van De Carr, Richard D. Vanderveken, Marix. Vickery, William J. Von Behren, William P. Vonderhaar, Elliott. von Gunten, Leon. Wachs, William C. Wagner, Wayne. Wahl, Arthur F. and Wilburt C. Wahl, Arthur F. and Wilburt C. Waldrip, Laurence H. Walker, Carl. Wallace, L. Gordon. Waller, Nellie M. Waller, Nellie M. Waller, Roy W. Walrath, Floyd E. Walser, Arthur L. Waltz, Roy A. Wannenmacher, Harvey Waterman, Fred W. Watson, Martin L. Watson, Samuel C. Weaver, Floyd H. Weaver, Frank M. Weaver, Henry C. Weaver, J. Marshall Weber, Walter B. Weckel, Wilson E. Wedthoff, Guy G.	712 Louisa St., Williamsport, Pa. 135 Brownsville Rd., Pittsburgh, Pa. 135 Brownsville Rd., Pittsburgh, Pa. 512 7th St., Marietta, Ohio. 815 Wall St., Port Huron, Mich. 258 Madison Ave., Youngstown, Ohio. W. Greenlawn Ave., Columbus, Ohio. 187 W. Chestnut St., Akron, Ohio. 62 State St., Susquehanna, Pa. 426 W. McKibben St., Lima, Ohio. 62 Berkeley St., Rochester, N. Y. 520 Crawford St., Grand Rapids, Mich. 9702 Allerton Ave., Cleveland, Ohio. 121 W. Market St., Lima, Ohio. 145 Washington Ave., Mt. Clemens, Mich. 1214 W. Market St., Lima, Ohio. 145 Nanda Ave., Mt. Oliver, Pa. 59 N. 2d St. Newark. Ohio. 1167 Lagonda Ave., Springfield, Ohio. 445 Summit St., Marion, Ohio. 239 W. 5th St., Mansfield, Ohio. 114 N. Crawford Ave., New Castle, Pa. 11 Amherst St., Rochester, N. Y. 2210 N. Washington Ave., Scranton, Pa. 40 Burr St., Gloversville, N. Y. 2149 Scottwood St., Toledo, Ohio. 235 Hosea Ave., Cincinnati, Ohio. 236 Hosea Ave., Cincinnati, Ohio. 237 Hosea Ave., Cincinnati, Ohio. 238 Last St., Ashtabula, Ohio. 240 Stewart Aye., Buffalo, N. Y.	
8GI	Wahl, Edward C	60 Stewart Ave., Buffalo, N. Y	
80B	Waldrip, Laurence II	352 Breckenridge St., Bulfalo, N. Y	
8FD	Walker, Carl	1626 Potter Pl., Cincinnati, Ohio	
BTV	Wallace, L. Gordon	25 Grover St., Auburn, N. Y	
BACU	Waller, Nellie M	615 N. 4th St., Cambridge, Ohio	
8CL 8AHS	Waller, Roy W	DeValla Junation N V	
SAFR	Walcar Arthur I.	Chesaning Mich	
8AGV	Waltz Roy A	1 Ellicott St., Depew. N. Y.	
8AAY	Wannenmacher, Harvey	60 Stewart Ave., Buffalo, N. Y. 352 Breckenridge St., Buffalo, N. Y. 1628 Potter Pl., Cincinnati, Ohio 25 Grover St., Auburn, N. Y. 615 N. 4th St., Cambridge, Ohio 837 N. 12th St., Cambridge, Ohio DeKalb Junction, N. Y. Chesaning, Mich. 1 Ellicott St., Depew, N. Y. 18 Brookfield Pl., Lancaster, N. Y. 116 Broad St., Elyria, Ohio.	
8NA	Waterman, Fred W	116 Broad St., Elyria, Ohio	
8MU	Watson, Martin L	18 Brookfield Pl., Lancaster, N. Y. 116 Broad St., Elyria, Ohio. 116 Alice St., Keyser, W. Va. Wilberforce, Ohio. Richmond, Mich. 2706 Toledo St., Pittsburgh, Pa. 1002 Bellaire Ave., Pittsburgh, Pa. 208 N. Main St., Greensburg, Pa. 660 Riley St., Buffalo, N. Y. 791 Seneca St., Buffalo, N. Y. 2118 W. Tuscarawas St., Canton, Ohio. 1720 6th St., Bay City, Mich	
8EJ	Watson, Samuel C	Wilberiorce, Ohio	
8GH 8PW	Weaver Frank M	COM Tolodo St. Pittebuegh Pa	1
8PW 8VT	Weaver Henry C	1002 Rellaire Ave Pittsburgh Pa	
BEY	Weaver I Marshall	208 N. Main St., Greensburg, Pa	
8JJ	Weber, Walter B	660 Riley St., Buffalo, N. Y	
8TM	Weber, Walter B	791 Seneca St., Buffalo, N. Y	
8AQW	Weckel, Wilson E	2118 W. Tuscarawas St., Canton, Ohio	
8ADV	Wedthoff, Guy G	1720 6th St., Bay City, Mich	
8EQ	Weekman, Flank D. and	110 Wooks Dt., Jamestown, 14. 1	
8RE	Verne W. Weeks, Stuart R. Weemhoff, S. J. Weigold, Fred L. Weil, Norman C. Weiser, Elmer P. Welser, Perry W. Weiss, Frank J. Welch, Thomas E. Weller, Alvin.	Richmond Mich	
8HF	Weemhoff, S. J	1152 Lafavette Ave., SE., Grand Rapids, Mich	
8ARR	Weigold, Fred L	1630 Queen City Ave., Cincinnati, Ohio	
8RC	Weil, Norman C	231 Riley St., Buffalo, N. Y	
8NX 8WK	Weiser, Elmer P	284 Brinkman St., Buffalo, N. Y	
8WK	Weiser, Perry W	Richmond, Mich	
8AEJ	Weiss, Frank J	Amherst, Uhio	
8TF	Wellor Alvin	140 Warren Rd Lakewood Obje	
8HV 8FN	Wellington Vernon D	511 Gibbs Ave Wanakoneta Obio	
8APS	Welty, Noble K	302 W. College St., Cannonsburg, Pa	
8MT	Wellington, Vernon D. Welty, Noble K. Wendeln, Bernard O. Werner, Herman E. Westcott, Alva F.	344 Derr Ave., Wooster, Onio. Amherst, Ohio 92 N. Main St., Mechanicsville, N. Y. 1440 Warren Rd., Lakewood, Ohio. 511 Gibbs Ave., Wapakoneta, Ohio. 302 W. College St., Cannonsburg, Pa. 133 N. Wayne St., St. Marys, Ohio. 41 Fay St., Akron, Ohio	
8ADF 8RQ	Werner, Herman E	41 Fay St., Akron, Ohio	

AMATEUR RADIO STATIONS—Continued. EIGHTH DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS-Continued.

Call algoal.	Owner of station.	Location of station.	Power.
			Kw.
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. 584 S. Main St., Geneva, N. Y.	. 5
8VM	Wheat, Henry A., jr	584 B. 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
8EM	Wilkinson, Howard E	239 Blaine Ave., Buffalo, N. Y.	
8V K	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	
8KT	Williamson, Warren, jr	1840 Market St., Youngstown, Ohio	
8GC	Wilson, Albert 8	Apollo, Pa	1.0
8AHD	Wilson, Arthur Y	838 Ohio Ave., Youngstown, Ohio Silver Creek, N. Y	. 5
8ARZ	Wilson, Harold H	O17 Linnels And Dark House	. 5
SAFE	Windham, Elwood A	917 Lincoln Ave., Port Huron, Mich Scott High School, Toledo, Ohio	. 5
8JD	Wing, Willis K	Scott High School, Toledo, Unio	1.0
8UF	Wing, Willis K. Winne, Robert F	938 Grand Ave., Toledo, Ohio	
8ADL	Winne, Robert F	19 Holley St., Brockport, N. Y.	1.0
SAGD.	Wirsching, Harold A	24 Cannon St., Dayton, Ohio 827 Bird Ave., Buffalo, N. Y.	. 5
8ARD	Wollmuth, Edward	624 Cross St. Volemens Minh	. 5
88 A	Wood, Dewey H	634 Grace St., Kalamazoo, Mich	. 5
SAFG	Wood, Donald	750 Androse St., Rochester, N. 1	. 5
SAOL	Wood Walter S	752 Ardmore St., Akron, Ohio 137 E. William St., Bath, N. Y. 400 W. Ferry St., Buffalo, N. Y. 15 Lakin Ave., Jamestown, N. Y. 214 Morris Ave., Buffalo, N. Y.	. 5
8AKO	Woodbury, George F	10/ E. William St., Datil, N. I	1.0
88 K	Woodcock, William D	16 Lakin Ave. Lamestown N. Y.	1.0
8AMM	Woodin, Lloyd	21. Morrie Ave. Buffelo M. V	.5
8AGO	Woodmanse, Harold W Woodruff, C. Herschel	48 Woodruff Ave., Columbus, Ohio	.5
8AAI 8ADB	Woods James D	400 Wills Rd., Connellsville, Pa.	1.0
88U	Woods, James B	R. F. D. No. 3, 8yracuse, N. Y.	1.0
90 A	Worbass, Raymond K	7410 Carnegio Avo., Cleveland, Ohio.	.5
8AON	Worden, Ralph P	665 Lafayette Rd., Medina, Ohio.	.5
8ANG	Wright, Harold D., jr	1116 W. Market St., Lima, Ohio.	
8NP	Wright, J. Warren	1119 Fountain Ave., Springfield, Ohio.	.5
8AI	Weight William A R	7216 McCurdy Pl., Ben Avon, Pa	.5
888	Wright, William A. S	Boston, N. Y	.5
8TR	Yaeger, Henry	1030 N. Clinton Ave., Rochester, N. Y.	.5
8WN	Yerigan, George 8	632 E. Ludlow St., Hamilton, Ohio	
SASU	Yotter, Francis l'	Freeport, Pa	.5
8ARB	Young, Arthur C	1311 Abbott Rd Buffalo N Y	.5
8ALK	Young Joel	717 W. Grav St. Elmira N. Y	.5
8WU	Young, L. Clifford	Freeport, l'a 1311 Abbott Rd., Buffalo, N. Y 717 W. Gray St., Elmira, N. Y 722 N. Washington St., Van Wert, Ohio	1.0
8JQ	Young Men's Christian As-	110 Fourth Ave., Ann Arbor, Mich.	1.0
00.46	sociation.	110 1 001 11 101, 11111 111001, 11111111	1.0
8GB	Young Men's Christian As-	Zara and Virginia Sts., Pittsburgh, Pa	. 5
0.4.77	sociation.	Floris Ohio	
8AFI	Young Men's Christian As-	Elyria, Ohio	1.0
8VV	sociation Radio Club.	7th and Door Cto. Towntum, Do	1.0
	Zeigler, Harry W	7th and Ross Sts., Tarentum, Pa	1.0
8IT	Zelenka, Stanley	3546 Caryle Ave., Cleveland, Ohio	.5 1.0
8CH	Zikovsky, Theodore	44 Kingsville Ave., Ashtabula, Ohio	
8NI	Zimmerman, Frederick C., jr.	661 E. 120th St., Cleveland, Ohio.	. 5 1. 0
8VN	Zornow, Harry	OUL D. 120th Dt., Cleveland, Onio	1.0
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ALPHABETICALLY BY CALL SIGNALS.

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

EIGHTH DISTRICT—Continued.

Call rignal.	Owner of station.	Call signal,	Owner of station.	Call signal.	Owner of station.
BAAR	Stouffer, Vernon.	8AEE	Schmid, Paul J. Perry, Ransom, jr. Cawley, Eugene H. Balson, Domald W. Freiting, Langer	8AIA	Cady, Fred L.
BAAB	Stouffer, Vernon. Bower, Geerge C.	8AEE 8AEF	Perry, Ransom, ir.	8AIC	Feldstein, Milton.
BAAT	Kiniman, Carson 5.	8AEG	Cawley, Eugene H.	8AID	Cady, Fred L. Feldstein, Milton. Butine, Arthur B.
BAAU	Brownell, Ralph.	8AEH	Balson, Donald W.	8AIE	Muryné, Leo F. J. Bell, Irving.
BAAV BAAW	Frank, Newton J. Bear, Walter D. Miller, Carl E., jr.	8AEI	Erskine, James Weiss, Frank J Kiger, Earnest W.	8AIF	Bell, Irving.
BAAW	Bear, Walter D.	8AEJ 8AEK	Welss, Frank J	8AIG	Parry, Kenneth E. Hoehl, Raymond 1
BAAX BAAY	Wannenmacher, Har-	8AEL	Raynolds Marion B	8AIH- 8AII	Sephorn Irwin T
MAI	vey F.	8AEM	Galloway W Lyon	8AIJ	Huev. Wesley
BAAZ	Kauffman, Jacob W.	8AEN	Reynolds, Marion B. Galloway, W. Lyon. Manning, Stuart. Doeright, Gilbert A.	8AIL	Sanborn, Irwin T. Huey, Wesley Conrad, Mark
BAB	I KAPT MOFTOGT I	8AEO	Doeright, Gilbert A.	8AIM	I Brothers, Love C.
BABA	Burgwardt, Freder- ick C., jr. Myers, Walter L. Von Gunten, Leon.	8AEP		8AIN	Williams, John C.
	ick C., jr.	8AEQ	Albertson, William C. Mattice, William A. Mittendorf, Earl D.	8AIP	latman, Harley C.
BABD	Myers, Walter L.	8AER	Mattice, William A.	8AIQ 8AIR	Karl, Rudolph.
BABE BABG	Committee, Leon.	8AES 8AET	Cole Formeth	8AIR 8AIS	Munro, Glenn A.
BABI	Caswell, Frank A.	QA ETT	Cole, Kenneth. Rippl, Lewis M.	8AIT	Burdick, George M. Carpenter, Sears.
BABK	Stellwagen, Arthur.	8AEV 8AEW 8AEX 8AEY	Houck, Homer D	8AIU	Kays, George W. in
BABM	Storck, Howard J. C. Grosse, Herbert F. Jones, Hugo W.	8AEW	Shields, Robert D.	8AIV	Kays, George W., jr Kaestle, Albert. Carroll, Stanley W.
BABN	Jones, Hugo W.	8AEX	Calkins, Norman.	8ATY	Carroll, Stanley W.
BABO	Mann, Orville L. Howe, Richard H.	8AEY	Davis, Harold P.	8AIZ	Thornton, Wallace.
BABR	Howe, Richard H.	SAEZ	West, M. B.	8AJ	Thornton, Wallace Custis, Walter E.
BABS BABT	Coville, Perkins. Dotterweich, E d -	8A F 8A F A	Houck, Homer D. Shields, Robert D. Calkins, Norman. Davis, Harold P. West, M. B. Frey, Frederick E. Schlesinger, Louis.	8AJA	Parmington, Walt
BABT	Dotterweich, Ed-	8AFD		8AJG	Brootz Eugene C
BABU	ward, jr.	8AFE	Finley, Chester T. Windham, Elwood.	8AJI	Braatz, Eugene C. Baker, Gerald M.
BABW	Hopkins, Cecil W. Straw, R. Clyde.	8AFG	Wood, Donald.	8AJM	Calvert, Allen.
BAC	Richmond, Norman	8AFI	Wood, Donald. Y. M. C. A.	8AJN	Calvert, Allen. Knott, Charles E.
-	E.	8AFK	Robertson, Adelbert	8AJO	Amann, J. C.
BACA	Hisey, Norval W.		_R	8AJR	Amann, J. C. Smith, Harold H.
BACD	Palmer, Roy.	8AFM 8AFN 8AFO	Kilbury, Walter A. Moore, Harold S.	8AJ8	Raichle, Joe L. Clement, Russell C.
BACE	Norquist, Reynold O. Thomas, Frank P.	BAFN	Moore, Harold B.	8AJT 8AJU	Poll Charles II
BACI BACK	Blair, Russell M.	antu	MacKnight, J. Don- ald.	8AK	Bell, Charles H.
BACM	Jacobus, Roger.	8A FR	Walser, Arthur L.	8AKA	Taylor, Willard L. Kepler, Ralph E. Pickens, W. H.
BACN	Kelso, Herbert F.	8A F8	LOVSUCD. Alex.	8AKB	Pickens, W. H.
BACO	Kelso, Herbert F. Dietsch, Carl G. F.	8AFT	Leighton, Paul A.	8AKC	Bain, Ovid.
BACR	Atkinson, Ward.	8AFU	Beaman, Paul S.	8AKD	Staunton, R. E.
BACB	Wiley, Donald A.	8AFW	Seiple, Robert H.	8AKE	Daly, James J.
BACT	Baumgardner, Don-	8AG 8AGA	Broome, Donald W. Katzenberger, Ray-	8AKF 8AKG	Hepner, Earl. Bower, Orville D.
BACU	ald G. Waller, Nellie M.	DAUA	Katzenberger, Ray- mond.	8AKH	Bortwich Harry
BACW	Johnstone, Richard 8	8AGB	Jacks, Albert L.	8AKJ	Hartwich, Harry. Merrick, W. Bernas Straith, Floyd E. Von Behren, Wm. Woodbury, Geo. F
BAD .	Johnstone, Richard S. Stybr, Gilbert. Rann, Maurice B.	8AGC		8AKK	Straith, Floyd E.
BADA	Rann, Maurice B.	8AGD	Wirsching, Harold A. Hanville, Roy A. Howard, Carl G. Anton, William G. Burns, Herman E.	8AKN	Von Behren, Wm.
BADB	Woods, James B. Roy, Percy W. Fassett, G. M. Earle. Todd, Conway L.	8AGE	Hanville, Roy A.	8AKO	Woodbury, Geo. F
BADC	Roy, Percy W.	8AGF 8AGG	Howard, Carl G.	8AKQ 8AKS	Kaehni, Frank J. Meredith, C. Palme Gaige, Robert J.
BADD	Todd Copyrs I	8AGH	Rurne Herman E	SA EU	Gaige Robert I
BADE BADE	Werner, Herman E.	8AGI	Rembold, Walter O.	8AKV 8AKW	Giesenberg, Carl.
BADG	l Chandler, Merle C. 🔃	8AGJ	Rembold, Walter O. Ricksecker, Russell E.	8AKX	Spaulding, Claude
BADH	I I AA HAPPU H	8AGK	Morris, Carlaton D.	8AKY	Dyke, S. Eugene.
BADI	Cundall, Lincoln A.	8AGL	Bishop, Robert C. Burtis, Melvin M.	8AKZ	Bayles, Thomas S.
BADJ	Cundall, Lincoln A. Kohli, Homer J. Ford, Elliot.	8AGM	Burtis, Melvin M.	8AL	Giesenberg, Carl. Spaulding, Claude Dyke, S. Eugene. Sayles, Thomas S. Russell, James.
BADK BADL	Winne Bohant P	8AGN 8AGO	Lindsay, A. M., jr. Woodmansee, Harold	8ALA	Snider, Ellwood H Lacock, Walter B. Alexander, Lot a
BADM	Winne, Robert F. Darrall, William G. Stradling, Fred.	ondo	W. Haroid	8ALD 8ALE	Alexander. Lot a
ADN	Stradling, Fred	8AGP	Ponky, Charles J.	411111111111111111111111111111111111111	Hodge.
MDO		0400	Learmont, Victor.	8ALI	Dauberman Ichro
ADO ADP	Brown, Clarence W. Olson, Elvin E.	8AGR	Learmont, Victor. Scupholm, Fred J. Hart, Ian B. Hand, Ledyard M.	8ALK	Young, Joel. Hunter, Noble A. Addis, Roy R. Bovee, Charles W. Reed, Arthur J.
ADQ ADR	Olson, Elvin E.	8AG8	Hart, Ian B.	8ALM	Hunter, Noble A.
M DR	Bullebarger, John.	8AGT	Hand, Ledyard M.	8ALN	Addis, Koy K.
SADS	Schamberger, Sanford O.	8AGU 8AGU	Jepson, Mark B. Waltz, Roy A.	8ALO 8ALS	Reed. Arthur I
BADT	Greenwald, Hugo.	8AGV 8AGW	Carlson, Wendell L.	8ALU	Burkhardt. Geo. F.
BADU	Greenwald, Hugo. Hoffman, Donald A. Wedthoff, Guy G.	8AGX	Carlson, Wendell L. Paasch, Harold.	8ALW	Burkhardt, Geo. E Weyer, Eiliott R.
BADV	Wedthoff, Guy G.	8AGY	Durham, Harold M.	8AM	I HOPTIA WILDAPT (1
MDW	Barris, Alien.	8AGZ	Bohannan, Robert C.	8AMA	Champe, Willard C
MDX MDY	Preston, Kenneth G. Atkinson, Earl W.	AHA8	Bohannan, Robert C. Matthes, Frank P. Wilson, Arthur Y	6AMB	Champe, Willard C Koch, Frank. Craig, Palmer.
MADY	Atkinson, Earl W.	8AHD	Wilson, Arthur I	8AMD	Oralg, Paimer.
BADZ BAE	Euler, John F. Bernat, Wm. F.	8AHE 8AHN	Bruning, Miles F. Hawks, Harry L.	8AMF 8AMG	Swingle, Forrest W Altdoerffer, Frank
RAEA	Cushman, Robert A.	8AHO	Reidenbach, Lester	8AMH	Wilson, James A.
RAEB	Cushman, Robert A. Kepler, Newton. Gerhard, David.		A	8AMH 8AMI	Wilson, James A. Hanny, George. Allan, Donald.
BAEC	Gerhard, David.	8AHS	Walrath, F. E.	8AMJ	Allan, Donald.
BAED	McCutcheon, Wil-	8AHW	Kremer, Harold E. Wright, Wm. A.	8AMK	Perry, Paul A.

EIGHTH DISTRICT-Continued.

Cali signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
8AMP 8AMQ	Hodgkins, Harley G.	BAQE	Kerstetter, J. How-	8BC	Davis, Charles C.
SAMQ.	Anson, Charles T. Ewell, Lionel C.		ard.	8BC 8BD	Kimberly, Frank. Lippert, John P. Jarvis, Roy B.
8AMR	Ewell, Lionel C.	8AQG	Richardson, Norton.	8BE	Lippert, John P.
8AMV 8AMW 8AMY	Thompson, Charles R.	8AQ1	Bookwalter, John F.	8B F	Jarvis, Roy B.
WMAN	Kreuser, Joseph D.	8AQK	Van De Carr, Rich- ard D.	8DI	Kroeger, Gustav H. Lappe, E. Robert. O'Bryan, James W.
8AMZ	Kingsbury, Raiph N. Hovey, Carlton F. Bower, Stanley. Israel, Dorman. Thurnes Darley	04.034	ard D.	8BK	Lappe, E. Robert.
8ANB	Bower Stanley	8AQM	Redington, Edmond	8BL	O'Bryan, James W.
RANC	Israel Dorman	PAON	Bueda Classons F	8BM 8BN	Ruhl, Mark.
8ANC 8AND	Thurnes Darley	8AQN 8AQO	Burdg, Clarence E. Hoistetter, George E. Famariss, Walter.	8BA	Mason, George W. Lyons, Henry E.
8ANE	Thurnes, Darley. Russell, Fred W. Frase, Ralph L.		Famaries Walter	8BO 8BP	
RANF	Frase, Ralph L.	8409	Famariss, Walter. Knapp, Forest H. Burberry, Mahlon R	8BQ	Menges William E.
8ANG 8ANH	Wright, Harry D., jr.	TOAB	Burberry, Mahlon R.	8BR	Menges, William E. Miner, Simeon J. Swan, Donald.
8ANH	Stewart, Donald G.	8AQU	Leach, Frederick E.	8B8	Swan, Donald.
8ANI	Wright, Harry D., jr. Stewart, Donald G. Seidel, Frank.	8AQS BAQT 8AQU 8AQW 8AR	Burberry, Mahlon R. Leach, Frederick E. Weckel, Wilson E. Schorn, Valentine A.	8BT	Ackerman, Lumun
8ANJ	I BUTTOOD, WELLEY.	8AR	Schorn, Valentine A. Peters, Edward.		K.
BANK	Ernest, Robert A.	OARA	Peters, Edward.	8BU	Stellrecht, Howard. Wagner, Wayne.
8ANK 8ANL 8ANM	Leppert, John L. Griggs, Kenneth C.	8ARB	I toung, Arthur C.	8BV 8BW 8BX 8BY	Wagner, Wayne.
8ANN	Somers, Warren A.	8ARC 8ARD	Newman, Ansley. Wollmuth, Edward.	8B W	Robinson, David K.
8ANO	Baislay I Everett	8ARE	Tullic Don D	8DA	Davis, Herbert E.
RAND	Exline General	8ARF	Tullis, Don D.	8BZ	Schwindt, Herman L Turnbull, Alonzo E.
RANO	Lewis, Nelson.	8ARG	Baillie, Howard L. Cross, Irving.	002	Luinom, Alonio E.
SANP SANQ SANR	Somers, Warren A. Baisley, J. Everett. Exline, George A. Lewis, Nelson. Benson, Walfred. Folts, Harold H. Slyfield, Charles O. Jensen, Luther J. Glause, Edwin H. Brown, Le Roy. Phillips, William M.	8ARH	McRrida George	8CA	Fidler, Sherwood K
OAND	Folts, Harold H.	8ARI	Ross, Kendrick. Ingalls, Allan C. Corey, Dwight.	8CA 8CC	Fidler, Sherwood K. Barnett, Walter J.
SANT SANU SANV	Slyfield, Charles O.	8A RJ	Ingails, Allan C.	8ČD	Benz, Carroll.
8ANU	Jensen, Luther J.	8ARK	Corey, Dwight.	8CE	Reeves, Arthur A., ji
8ANV	Glause, Edwin H.	8ARL	Johnson, Gordon.	8CF 8CG 8CH	Beller, Harold F.
8ANW	Brown, Le Roy.	8ARM	Herrick, Robert E.	8CG	Grieb, Edward.
8ANY 8ANY 8ANZ	Phillips, William M.	8ARN	Johnson, Gordon. Herrick, Robert E. Houck, Hugh H. Bunning, Theodore. Wight, Lloyd W.	8CH	Benz, Carroll. Reeves, Arthur A., ji Beller, Harold F. Grieb, Edward. Zikovsky, Theodore. Danforth, Gordon F. Plantings, John G. Grinnell, Russell R. Waller, Roy W. Bieber, Carl W. Barton, James F.
BANI	Carpenter, Donald F. Murray, Charles.	8ARO	Bunning, Theodore.	8CI	Daniorun, Gordon F
8ÃO	Delghan Edward I	8ARP	Gumey Deniel	8CJ	Grinnell Puscell P
AOA8	Deighan, Edward I. Dieter, Howard L.	8ARQ 8ARR	Gurney, Daniel. Weigold, Fred L.	8CK 8CL	Waller Boy W
8AOB	Wachs, William C. Kent, Arthur L.	8ARS	Flore Duccel	8CM	Richer Carl W.
8AOC	Kent, Arthur L.	SART	Coughenour, Virgil J.	8CN	Barton, James F.
8AOD	Kazadale.CharlesC.C.	8ARU	Coughenour, Virgil J. Tyler, Albert P.	8CO 8CP	Harmon, H. W. Smith, Newell R. Brede, Erwin F.
8AOE	Hull, James E.	BARV		8CP	Smith, Newell R.
RAOF	Morrow, Lorentz A.	8ARW	Belinson, Meyer. Ackley, William J. Spitler, Stephen. Wilson, Harold H. Mublishers	8CQ	Brede, Erwin F.
8AOG	Urens, John A.	8ARX 8ARY	Ackley, William J.	8CR	Johnson, J. H. E. Pardridge, Walter T Bush, Claude M.
HOA8	Ciative, Carl E.	8ARY	Spitter, Stephen.	8C8	Pardridge, Walter 1
KOAS	Clauve, Carl E. Curtiss, Gerald II. Durstine, John E.	8A RZ 8A S	Wilson, Harold H.	8CT 8CU	Formboo Vonneth
SÃOK	Browster Fred I	8ASA	Muhlbeyer, Chas. W. Lininger, Clarence R. Millspaugh, Fredk. Kidd, J. William.	8CV	Forshee, Kenneth. Kress, Lester P.
8ÃOL	Brewster, Fred J. Wood, Walter S. Hamel, Arthur.	8ASB	Millsnaugh, Fredk	8CW	Ryan, Reginald G.
8AOM	Hamel, Arthur.	8ASC	Kidd, J. William.	8CX	Phippeny, Forrest L
8AON	Worden, Ralph P. Sauerbrey, Wm. J. Bowyer, Glenn B.	8ASD		8CX 8CY	Phippeny, Forrest I. Payne, Arthur F.
8400	Sauerbrey, Wm. J.	8ABF	Stolzenbach, Robert	8CZ	McDaniel, Donald C
8AOP	Bowyer, Glenn B.		and Charles.		1
8AOQ 8AOR	MAJIDOARS, E.Fra L.	8ASG	Howsare, Geo. D.,	8DA	Horton, Paul E.
8AOR	Adams, Joy C. Eiszler, Emmerson L.		and Flory, Carl L.	8DB	Scoville, George I. Schulder, Arthur. Fleckner, Harry K.
8408	Eiszier, Emmerson L.	8A8H	Finegan, George W. Roe, Millard J.	8DC	Schulder, Arthur.
TOAS	Demarest, Foster J. McKee, Robert R. Cramer, Charles F. Clem, Robert.	8ASI	Copper Charles F	8DD	Orrell, Robert W.
8AOU 8AOV	Cramer Charles F	8A8J 8A8K	Conner, Charles E. Evans, Jack.	8DF	Shilay Charles
WOM	Clem. Robert	8A8L	Proutey Laurence	8DG 8DH	Shiley, Charles. Temple, Lemuel M. Gurnee, Floyd L.
RAOX		8A8M	Terry Donald M	8DI	Gurnee, Floyd L.
8AOX 8AOY	Hughes, Edwin R.	8A8N	Fisk, Rufus.	8DĴ	i Phillips, Glenn.
8AOZ 8AP	Hughes, Edwin R. Ferris, James II. Reich, Herbert. Beer, Frank P.	RASO	Proutey, Laurence. Terry, Donald M. Fisk, Rufus. Carr, Irving E.	8DK	Kobre, Frank.
8AP	Reich, Herbert.	8A8P	Gamble, Howard B.	8DL	I Uster Drock, Liqwar
8APA	Beer, Frank P.	8ASP 8ASQ	Gamble, Howard B. Greenwell, Robert.		and Harry.
8APD	CCHIMICI, FRUI.	BABR	Paul George	8DM	Esch. Winthrop W.
8APE 8APG 8API	Lockwood, Harry P. II	8888	Olney, Clarke. Hills, Harold C.	8DN	Knappen, Bert. Bell, Norman W.
8APG	Henes, Christian.	8A8 T	Hills, Harold C.	8DQ	Bell, Norman W.
MAPI	Henes, Christian. Childs, Herbert R. Bachtel, Alfred.	8A8U	I tower, Francis P.	8DP	Fritsche, Lewis W. Holmes, Chas. E. Godley, Gordon F. Rogers, Grant. Cobb, Rupert.
8APK 8APM	Auton Coorce C	8A8V 8A8W	Davidson, Robert L.	8DR 8D8	Godley Gordon F
OA PA	Auten, George C. Bock, Ashley P.	8AT	Sager, Merel.	SUG SUG	Rosers Grent
8APN 8APO 8APR	Twitchell, H.	8AT 8AU	Barton, Howard. Frost, Harry E. Fullwood, William R.	8DT 8DV	Cobb. Runart
RAPR	Huff, Samuel W.	RAV	Fullwood, William R	8DW	Apger, Charles O.
	Welty Noble K.	RAW	Gogel, Adelbert J.	8DX	8 8 8 8 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9
8APT	Newton, Harold D.	8AX	Gentzsch, Leonard H.	8DX 8DY	Stecher, Harold L
8APŪ	Servais, Francis W.	8AY	Irvin, Daniel L.	8DZ	Stecher, Harold L. Aker, Ellison E.
8APT 8APU 8APW	Reichle, Henry W.	8AX 8AY 8AZ	Hansen, Edmund H.		
XAU.	Newton, Harold D. Servais, Francis W. Reichle, Henry W. Ela, Willard C.			8EA	Mack, Clifford J.
8AQA 8AQD	King, William R. Dilworth, John G.	8BA	Hiller, Herbert.	8EB	Munsell, Robert 8.
	I I I I I I I I I I I I I I I I I I I	8BB	Howes, Stanley L.	8ED	Carver, Alfred J.

EIGHTH DISTRICT—Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
8EE	Selden, James M., jr.	AH8	Birkel, Lawrence J.	8JY	Chamberlain, Osca
SEF SEG SEH	Selden, James M., jr. Dorst, Edward L.	8HB	Phillips, Maynard W. Johnston, S. Paul. Myers, Homer.	8JZ	Α.
8EH	Gebhard, Louis A. Williams, Claude.	8HC 8HD	Myers, Homer.	₩.	Manning, A. J.
8EI	Gray, Clarence N.	8HE	Grotticelli, Emil. Weemhoff, S. J.	8KA	Ankerman, Roy E.
SE1	Watson, Samuel C.	8HF 8HG	Weemhoff, S. J.	8KB 8KC	Core, Eugene D.
8EJ 8EK 8EL	Gray, Clarence N. Watson, Samuel C. Kumpf, Elmer H. Langenbach, Leo.	8HH	Schardt, Carl M. Schaming, John P.	8KD	Gammon, Joseph. Benjamin, Carlisle.
8EM	Wilkinson, Howard	8HI	McCTacken, Harold J. 4	8KF	Beck, Frank G.
8EN	E. Myers G E	8HJ 8HK	Terry, James E., II.	8KG 8KH	Beck, Frank G. Loffler, Ralph H. Angel, Jay L. Brockway, Earl H. Devaney, Richard G. Smith, Raymond. Guest, Wesley T. Odenkirk, Russell. Combs, Frayne. Fuss, Chester. Fisher, Earl U. Hills, Virgil A. an- Harold G.
8EO	Myers, G. E. Kinney, Russell.	8HL	Spiller, Archibald G. Blake, F. D.	8KI	Brockway, Earl H.
8EP	I HOTDDACK, JODD.	8HM	Human, Edward J. L.	8KK	Devaney, Richard C
8EQ	and Vern W.	8HN 8HO	Schlegel, Raymond G.	8KL. 8KM	Guest, Wesley T
8ER	Weekman, Frank L. and Vern W. Elias, Louis W.	8HP	Holt, George W. Moershielder, Herbert	8KN	Odenkirk, Russell.
8ES 8ET	Aber, Ernest M., Ir.	9770	L.	8KO	Combs, Frayne.
8EU	Dieterich, Adele F. Kinne, Laurance W.	8HQ 8HR	Poux, Noel J. Foster, Clarence M.	8KP 8KQ	Fisher, Earl U.
8EU 8EV	Kinne, Laurance W. Mason, Carl D.	8H8	Foster, Clarence M. Berry, L. Mack Petz, Joseph.	8KR	Hills, Virgil A. an
8EW	Current, Warren J.	8HT 8HU	Petz, Joseph.	81/3	Harold G. Newton, Archibald E
8EŶ	Weaver, J. Marshall.	8HV	Faroo, Glenn. Weller, Alvin. Strunk, William O.	8KS 8KT	Williamson, Warrer
8EW 8EX 8EY 8EZ	Current, Warren J. Henlein, Carl A. Weaver, J. Marshall. Mitchell, William E.	8HV 8HW	Strunk, William O.		jr.
	Fender, Clinton H.	8HY 8HZ	Kuehner, Roland. Fraser, John W.	8KU	Cookman, Murray R
8FA 8FB	Ulsh. Chester.	L		8KW	Schramm, Joseph H Kohler, Harry. Cuff, Harold C.
8FC 8FD	Holden, Ira 8. Walker, Carl. Finch, Brent S.	8IA .	Griffin, John F. Mielke, Carl E.	8KV 8KW 8KX 8KY	Cuff, Harold C.
8FD 8FE	Walker, Carl.	8IB 8IC	Hoover Paul I.	8KZ	Thomas, Earl R. Snyder, Lawrence I
8FF	Baker, Raymond, 8.	8ID	Hoover, Paul L. Norris, George H.		
8FG 8FI	Baker, Raymond, S. Coleman, John B. Burger, Richard W.	8IF	Scheuenbach, Donaid	8LA 8LB	Lindsay, Percy H.
8FJ	Clausing Leroy M. E.	8IG 8I H	Sternfield, Charles B. Ross, Donald H.	8LC	Curtiss, Glenn W., is
8FL	Clausing, Leroy M. E. Hudson, Albert N.	8II	Steim, L. H.	8LC 8LD	Rice, H. D.
8FM 8FN	Daugherty, Robert J.	8IJ 8IK	Steim, L. H. Diedrich, Paul E. McDowell, M. Fay.	8LE 8LF	Lindsay, Percy H. Palmer, Roland F. Curtiss, Glenn W., ja Rice, H. D. Scott, H. Dy Scott, George
8FN	Wellington, Vernon	8IL	Williams, Burton P.	8LG	Loebs, George. Sibert, Richard E. Stauft, Jacob L. Hill, Dormand S.
8FO	Snyder, Norman G.	8IM	Collins, Beni. F.	8LG 8LH	Stauft, Jacob L.
8FP	Esslinger, Elwin.	8IN 8IO	Ranger, Arthur. Garrity, William D. Trotter, Robert J. Electro-Set Company,	8LI 8LJ	Linxweiler, Carl J.
8FQ 8FR	Phelps, Raymond W. Briggs, Fred.	8IP	Trotter, Robert J.	8LL	Schwanecamp, Ray
8FS	Donohua Danial is	8IQ	Electro-Set Company,	8LM	mond.
8FT 8FU	Spargo, James A. Riettner Emil H	8IR	The. Miller, Arthur P.	OLE	MacLaughlin, Dor
8FV	Spargo, James A. Biattner, Emil H. Francis, Jesse J. Banes, Charles C. A.	818	Miller, Arthur P. Munch, Ernest A. and	8LN	Butler, Harry F.
8FW	Banes, Charles C. A.	8IT	Albert A. Zelenka, Stanley. Eaton, Floyd W.	8LO 8LP	Nabring, Franklin. Bly, Ralph. Dunlap, Orrin E., jr.
8FX 8FY	Thomas, Norman. Prince, Harmon.	8i U	Eaton, Floyd W.	8LQ '	Dunlap, Orrin E., jr.
8FZ	Bennett, Edward J.	l SIV	I FOY. JOHN P	8LR	Magdeburg, Morris R
•0.4	1	8IW	Green, John B.	8LS 8LT	Magdeburg, Morris R Rawson, Myron A. Copp, Stanley.
8GA 8GB	Burr, Gordon. Hill Top Y. M. C. A.	8IX 8IY	Green, John B. Dencer, John. Bidwell, Paul.	8LV	Kromme, Frank. Ilgeníritz, James I. E
8GC	Wilson, Albert S.	8IZ	Steinman, Dwight H.	8LX 8LY	Ilgeníritz, James I. F
8GD 8GE	Brinker, William N. Terbrack, John H.	8JA	Gunn, Ross.	8LZ	Rose, Herman. Hess, Elmer.
8GE 8GF	McCowan, Jack.	8JB	Gunn, Ross. Beare, George L. Wing, Willis K. Daniels, Le Roy. Moon, Orville. Lord, Harry R. Nichols, Raymond D. H.		
8GG	Edwards, Maynard	มD มE	Wing, Willis K.	8MB 8MC	Maxon, Harry L.
8GH	W. Weaver Floyd H	8JF	Moon, Orville.	8MD	Holmes, Charles A. Hall, Eldred R.
8GH 8GI	Weaver, Floyd H. Wahl, Edward C.	8JG	Lord, Harry R.	8ME	Preece, Richard, ir.
8GJ	Piper, Floyd B.	8JH	D. H.	8MF	Roble, Milo H.
8GK 8GL	Tomlinson, George E. Konrad, Henry.	8JI		8MG 8MH	Preece, Richard, jr. Robie, Milo H. Fish, J. Mulford. Bushnell, Clarence E
8GL 8GM	Koot, Leiand B.	811	Maddock, Lewis D. Weber, Walter B.	8MI	Manning, Howard H Sherman, Fred.
8GN 8GO	Henninger, Alan E. Kohnitz, Harvey F.	NK NL	Baer, Éarle E. Raring, William.	8MJ 8MK	Vonderhaar, Elliott.
8GP		8JM	Raring, William. Westfall, Earl J. Arthurs, Biddle, jr. Becker, Freeman A. Y. M. C. A.	8ML	Vonderhaar, Elliott. Berman, Isidore A.
86Q	Horn, Herbert E. Long, Charles A. Kneale, Charles K. Hoover, Raymond. Loehr, George R.	8JN 8JP	Arthurs, Biddle, jr.	8MM 8MN	Levy, Irving R. Knoll, Floyd A.
8GR 8G8	Kneale, Charles K.	ន្លំប៉	Y. M. C. A.	8MO	Macgregor, James E.
8GT	Hoover, Raymond.	81Q 81R	SHEITIII. ALIVALI C.	8MP	Macgregor, James E. Neupert, Robert E.
8GU	Loehr, George R.	ស្ ប	Williams, Raymond. McCann, Charles S.	8MQ 8MR	Duff, Cuthbert. Livinggood, Huber
8G V 8G W		8JV	Kreighbaum, Cyril.		W.
8GX	Spencer, J. Edmund. Sheerin, Conway. Birkel, Lawrence J.	8JW	Anderson, Joseph.	8M8	Ritchey, Ole B.
2GY	DIFKel, Lawrence J.	8JX	MacCandless, Lyon H.	8MT	Wendelin, Bernard (

EIGHTH DISTRICT-Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
8 M U	Watson Martin L.	8PW	Weaver, Frank M.	88U	Woodworth, Samue
8MV	Watson, Martin L. Carson, William H. Follet, Louis, jr.	8PY	Cook, Vernor.	8SV	Bratton Harry B
8M W	Follet Louis is	8PY 8PZ	Guy, Fred E.	8S V 8S W	Bratton, Harry B. Eames, William F.
8MX	Cooke, Lovell.	0. 2	duy, ried is.	8SX	Vanderveken, Mari
8MY	Fisher, Harold W.	8QA	Struchen, Raymond	8SY	Maynard Reginald
8MZ	Goodrich, Harry.	8QB	1 8.	88Z	Maynard, Reginald. Tobin, W. A.
8NA	Waterman, Fred W.	8QC	Haderer, John. Lucas, W. Gerald.	8TA	Burson, Johnny I.
8NB	Frederick, Paul E.	8QD	Leonbardt Carl	8TB	Handler, Eugene. Wightman, E. Ru
8NC	French, Samuel W.	8QE	Leonhardt, Carl. Barnhart, Walter.	8TC	Wightman F Bu
8ND	McCarty Alison	8QF	Kirchner, Charles.	010	sell.
8NE	McCarty, Alison. Mosteller, Floyd.	8Q1	Lande Walter F	8TD	McMillin, Howard I
8NF	HOUSE, P.JPR P.	8Q11	Lewis, Walter E. Kelly, Edward O.	8TE	Shafer Andrew I
BNG	Arenson, William.	8Qi	Makairy Clifford II	8TF	Shafer, Andrew L. Welch, Thomas E.
8NH	Candler, Charles and	8QK	Could Hoper W	8TG	Meighan, James C.
	Emma.	8QL	McEniry, Clifford U. Gould, lienry W. Corey, Harry E. Milyo, Stephen.	8TH	Gallo, Tony.
8NI	Zimmerman, Fred-	8QM	Milyo Stanban	8TI	Newbold, James L.
	erick C., jr.	8QN	Mann, Rolland.	8TJ	I Kich, Martin.
8NJ	Crumbie, Goodwin B.	8Q0	Smith Grant A	8T K	Jefferys, Paul.
8NK	Hunt Barton L.	8QP	Smith, Grant A. Powell, Ralph C.	8TL	Jefferys, Paul. Dowding, Sidney. Weber, Walter B. Fla Havhan, Harry
8NL	Appel, Floyd.	8QQ	Kample Norbert I	8TM	Weber, Walter B.
8NM 8NN	Appel, Floyd. Keen, William L.	SO D	Kampfe, Norbert J. Grostick, George E. McCaig, William J.	8TN	Fla Havhan, Harry
8NN	Chester, Allan. Hansen, Torvald R.	8Q8	McCaig, William I	8 T O	Stotter, Herbert J. Nealon, William A. Brooks, Clarence H.
8NO	Hansen, Torvald R.	8 0 T	Van Buren, Harold J.	8TP	Nealon, William A.
8NP	Wright, J. Warren.	8Q Û	Spindler, Raymond.	8TQ	Brooks, Clarence H.
8NQ	McMunn, J. Homer.	NOV	Hogan, James E.	8TR	
8NR	Hare, Paul W. Proffitt, J. B.	₩ ₩QX ₩QZ	Potts, Charles G.	8 T 8	Eppley, Ervin W.
8NT	Proffitt, J. B.	YOM	Basinger, Roswell.	8TT	Eppley, Ervin W. Slagle, Vernon T. Leach, Gardner V. Wallace, L. Gordon. Richau, Leach I
8NU	Barker, Gilroy.	802	Davis, Benton W.	8TU	Leach, Gardner V.
8NV	Sayles, Ralph H., jr.	42	1	8TV	Wallace, L. Gordon.
8NW	Hankin, John II.	8RA	Klager, Oscar C.	8TW	Richey, Joseph L. Anders, Harry R.
8N X 8N Y	Weiser, Eimer F.	8RB	Leach, J. Gardner.	8TX 8TY	Anders, Harry R.
8NZ	Weiser, Elmer P. Brown, Fred C. Simcox, Paul C.	8RC	Klager, Oscar C. Leach, J. Gardner. Well, Norman C.	8TZ	Ehrhardt, Roy C.
014%	Sillicox, Fadi C.	8RD	Burr, Roy C.	812	Beasley, Ira E.
8OA	Worbass, Raymond	8RE	Weeks, Stuart R.	8UA	Formanan H Vnich
00.1	K.	8RG	Copeland Arthur.	8UC	Foncanon, H. Knigh Chadde, Walter F. Brown, Kenneth W
80B	Waldrin Laurence H	8RH	Locke, Carl M. Irvine, Robert P.	8UD	Brown Kenneth W
80E	Smith, Verne E.	8RJ	Irvine, Robert P.	8UE	Motz, Leo. Wing, Willis K. Moore, Chester. Wiley, Violet A. Lester, William G.
80G	Hinton, Don.	8RK	Dalrymple, Clarence. Alexander, Frank.	8UF	Wing, Willis K
8OH	Harter Raymond	8RL	Alexander, Frank.	8UG	Moore, Chester.
8OJ	Furlong, Marcie J.	8RN	Altman, Allen.	8UH	Wiley, Violet A.
80 K	Furlong, Marcie J. Scheib, Joseph F. Stern, Fred W.	8RO	Gwinner, Frederick	I 138	Lester, William G.
8OL	Stern, Fred W.	on n	III.	8UJ	Boardman, Thom
80 M	Balsiev, James I.	8R P	Sutherland, Arthur		H.
8ON	Hummel, Richard O.	8RQ	E., jr. Wescott, A. F.	8U K	Egan, James.
800	Hummel, Richard O.	8RR	Hull, Earl C.	8UL	Mitchell, Phillip.
80P	Reynolds, Unaries L. I	8RS	Alger Allen F	8UM	Flehr, Paul D. MacPherson, Willia
80Q	Cross, Blakely E.	eD T	Alger, Allan E. Toy, Miles N.	8UN	MacPherson, Willia
8OR	Mason, Norman P.	8RT 8RU	Posd, Edwin H.	0770	D
80T	Pancost, Maurice H. Boyer, Harry. Wahl, Arthur F. and	8RV	Marshall, Frank J.	OU8	Jones, D. Walter.
80 U 80 V	Wahl Arthur F and	RRW	Schmidle, Claude.	8UP 8UQ	Lathrope, L. Stuart
•••	Wilburt C.	8R X	Rvan, Theodore W	8UR	Leary, Robert. Hott, Loewy. Hancock, H. W.
80W	Mitchell, Edward H.	8RY	Ryan, Theodore W. Goetz, Carl P.	8UB	Hancock II W
80 X	Dreux, Alexander J.	1		8UT	
80X 80Y	Peck, George W.	8SA	Wood, Dewey H.	8U U	Schmidtz, George. Schmidtz, George. Marshall, Ronald A Gregory, P. L. Sleeman, Walter R. Adams, Lucius O. Moore, John B.
8ÖZ	Peck, George W. Staud, Cyril J.	88B	Evans, George M.	8UV	Marshall Ronald A
		8SC	Moschall Loopeed	8UW	Grecory, P. L.
8PA	Miller, Arthur N.	88D	Johnston, Clarence N.	8UX	Sleeman, Walter R.
8PB	Miller, Arthur N. Case, Theodore J.	88E	Johnston, Clarence N. Vickery, William J. Fowler, Robert J.	8U X 8U Y	Adams, Lucius O.
8PC	Kersting, Ferdinand.	88F	Fowler, Robert J.	8UZ	Moore, John B.
8PD	Krause, Karl A.	880			1
8PE	Kersting, Ferdinand. Krause, Karl A. Fisher, George C.	88H	Spotts, Ralph T. Beach, Walter R.	8VA	Pearce, Henry A.
8PF	Malbin, Samuel.	881	Beach, Walter R.	8VB	Trombley, Clarence
8PJ	Malbin, Samuel. Ehrick, W. F. Gamble, Frederick D.	8SJ	Otthey, James N.	8VC	Brown, Arthur B.
8PK	Gamble, Frederick D.	88 K	Woodcock, W. D. Cocklin, Gilbert W.	8VD	Kiehle, J. F.
8PL	Eckel, John F.	8SL	Coleman II Dire	8VE	Brown, Arthur B. Riehle, J. F. Siedle, William R. Case, J. Gifford.
8PN	See, Chester.	8SM	Coleman, H. Burr.	8VF	Case, J. Gifford.
8PO	Carter, David G.	88N	Glatzel, Earle D.	8VG	Chartener, Raiph R Googin, Nicholas I
8PP	Wier, Edwin. Shaw, Eurcile L.	880	Preston, Menzo D. Reid, Thomas A.	8VH	Googin, Nicholas I
8PQ	Snaw, Eurclie L.	88P 88Q	Clocks Tob- II	8VI	j jr.
8PŘ 8PT	Stiveson, Andrew. Hornung, Romeo W. Jones, Winferd E.	88R	Clarke, John H.	8V I 8V J	Case, Harlow.
8PU	lones Winford F	888 888	Mueller, Henry C. Wurtz, Francis L.	8V J 8V K	Umbarger, Harold Willard, Charles A.
OLU	JUHES, WHITEIU E.	8ST	Muhiheizler, Louis.	8VL	Edick, Leonard J.

EIGHTH DISTRICT-Continued.

ALPHABETICALLY BY CALL SIGNALS-Continued.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
SVM SVN SVO SVP SVQ SVR SVS SVT SVU SVV SVV SVV SVX	Wheat, Henry A., jr. Zornow, Harry. Ackerman, John T., jr. Ball, Alfred. Ziska, Alfred. Calvert, George C. Buck, E. Harold. Weaver, Henry C. Kane, William C., jr. Zeigler, Harry W. Stevens, Allen C. Fraser, William T. Caplan, Zola.	8VZ 8WA 8WB 8WC 8WD 8WE 8WF 8WG 8WH 8WI 8WI 8WJ 8WK	Burchard, William K. Griffin, Jesse. Herrington, Fred. Allyn, William P. Fox, Edmund H. Hickier, Walter. Judd, Max A. Densmore, U. Harry. McCullough, C. Hax. Gillmore, Willard F. Stelzer, James G. Weiser, Perry W. O'Leary, Hilary.	8WM 8WN 8WO 8WP 8WQ 8WR 8WT 8WU 8WV 8WV 8WX 8WX	Slocum, Charles. Yerigan, George S. Bush, Richard A. Bidwell, Paul. Poysell, Robert E. Carter, David G. Harber, Elwood F. Young, L. Clifford. Corts, R. E. Barnes, Orton S. Rodd, Herbert C. Hardesty, Howard F. Brown, Ralph M.

NINTH DISTRICT.

[Headquarters: Customhouse, Chicago, Ill. The ninth district comprises the States of Indiana, Illinos, 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
			Kw.
9CK	Abel, Wilson L	224 South St., Waterloo, Iowa	0.
9NH 9EX	Abercrombie, Julius B Adolfson, George S	2617 Faraon St., St. Joseph, Mo	1.
9DI	Ahrensield, William H	5229 Colorado St., Duluth, Minn 200 N. Prospect Ave., Park Ridge, Ill	1.
9QD	Albach, Henry, jr	618 W. 4th St., Lawrence, Kans.	
9FV	Aldrich, Clinton P.	6405 Emerald Ave., Chicago, Ill.	
9ACI	Allen, George M	435 Lane St., Topeka, Kans	
9JJ	Alvested, Clarence M	819 13th Ave., S., Minneapolis, Minn.	
9VU	Allman, John C	Crown Point, Ind. 212 N. Florida St., Laurium, Mich.	
9TW	Anderson, Axel V	212 N. Florida St., Laurium, Mich	
9HZ	Anderson, Ivan H	1711 11th Ave. S., Minneapolis, Minn.	
9KM	Anderson, Oscar L	11815 State St., Chicago, Ili	
9MP	Anderson, Paul D	Lamoni, Iowa. 3614 Rebecca St., St. Louis, Mo. Bayfield, Wis 1204 Belknap St., Superior, Wis. Boulder, Colo.	1.
9SN 9MB	Anderson, Virgil	Darfold Wie	:
9OE	Andreen, Earl H	1904 Religion St. Superior Wie	
9HA	Andrew, Warren	Roulder Colo	
9AJA	Argabrite, George A	3128 W. 32d Ave., Denver, Colo.	
9AEP	Avery, Norman K	307 Bigelow Ave., Peoria, Ill.	
9BT	Baldwin, Edward F	623 Crawford Ave., Dixon, Ill.	
9RD	Bailey, Frank M	525 Kenilworth Ct., Clinton, Iowa	1.
9QI	Baldwin, Harry E	609 S. 18th St., Omaha, Nebr	
9QL	Baldwin, John G	Hope, N. Dak	1.
9ABR	Baker, Warren C	38 E. Madison St., Tipton, Ind	
9EM	Ball, George W	6601 Olmsted Ave., Chicago, III.	1.
9DS	Ballantyne, Elmer	Hobart, Ind.	1.
9AGD 9AIS	Banks, Archie E	R. F. D. No. 2, Dolmar, Iowa.	:
9AGW	Barber, Orville F	975 W. Packard St., Decatur, III	
9EJ	Barnett, Lawrence T	684 Greenleef Ave. Glenoce TI	
9WY	Barnickol, Carl R.	684 Greenleaf Ave., Glencoe, Ill. 2317 Milwaukee Ave., Chicago, Ill	
9AGP	Barrett, Paul G	3150 Central Ave., Indianapolis, Ind.	
9OJ	Barry, Daniel	310 W. Grand Ave., Springfield, Ill	
9AAR	Barton, Harold D	20 W. 26th St., Indianapolis, Ind.	
9ADL	Bates, Clarence	2015 Wells St., Milwaukee, Wis	1
9VY	Bauer, George D	2133 Weisser Park Ave., Fort Wayne, Ind	1
9HR	Baulch, Ernest L	509 Eddings St., Fulton, Ky	
9JE	Baumer, Harry W	5036 Kenmore Ave., Chicago, Ill.	1.
9AGX	Bean, Mason	521 E. High St., Jefferson City, Mo.	
9DJ 9AFW	Beasley, William A Bechtold, Joe and Fred V	1517 Western Ave., Topeka, Kans	
9AFW 9AGS	Becker, Paul M	North Manchester, Ind. 4427 Greenwood Ave., Chicago, Ill	
9CL	Beech, Guy L	Clarinda, Iowa	
9VI	Beesley, Bernard J	147 Montezuma St., Houghton, Mich	
9CQ	Doordy, Doinald J	1335 S. Kolin Ave., Chicago, Ill.	

NINTH DISTRICT—Continued.

Call aignal.	Owner of station.	Location of station.	Power
			Kw.
9QT	Beighley, Emmet R	107 N. 13th St., Fargo, N. Dak 410 S. 7th St., Oskaloosa, Iowa	0.
9QT 9UX	Bell, Fayett	410 S. 7th St., Oskaloosa, Iowa	
BMI.	Bell, Fayett Bement, David L		1.0
9KS 9VB 9VP	Bennett, Harold	Clarinda, Iowa	1.
OVB	Bennett, Harold Bennett, Herbert P Benson, Lester A	2008 Stoddard St. St. Louis Mo.	1.
9PG	Rossharm Worth D	517 N 3d St. Farro N. Dak	1.
9HE	Bergherm, Worth D Bergvall, Royal C. and Wesley E.	Chrinda, Iowa 4202 N. Winchester Ave., Chicago, Ill 2708 Stoddard St., St. Louis, Mo. 517 N. 3d St., Fargo, N. Dak Stephenson, Wis	
9WL	Wesley E. Bierbach, Werner	655 S. Delaware Ave., Milwaukee, Wis	
9V D	Bitner, Robert E	519 E. Lewis St., Fort Wayne, Ind.	
9WQ 9JY	Bitner, Robert E. Black, Harry N. Black, Max I.	10 F. Lewis St., Fort Wayne, Ind. Independence, lowa. 10 Wa. 11 A. Dak. 12 A. Dak. 13 Dak. 14 Dak. 15 Louis, Mo. 16 Williamsburg, Iowa. 16 Westminister Pl., 8t. Louis, Mo. 120 Jackman St., Janesville, Wis.	
PAEH	Blake Charles R	5821 Paga Ave. St. Louis Mo.	
DAAU	Blasier, Herbert, jr	Williamsburg, Iowa	1.
HO	Blatterman, Headles	6172 Westminister Pl., St. Louis, Mo	
DAIC	Hiller Sidner H	120 Jackman St., Janesville, Wis. 11165 Esmond St., Morgan Park, Ill. Crete, Nobr. 4106 Campbell St., Kansas City, Mo.	
Q'Je	Blood, Lester C. Blue River Power Co	11165 Esmond St., Morgan Park, Ill	1.
9WZ	Blue River Power Co	Crete, Nobr.	1.
9AFT 9VK	Blum, Sidney J Boardman, Horace C. and Clarence E.	372 Park St., Kenosha, Wis.	1.
ЭНН	Bohac, Leonard	402 W. 1st Ave., Cedar Rapids, lowa	1.
9RC 9PF	Bohnstengel, George	Thornton, Ill. 5505 Bartmer Ave., St. Louis, Mo.	1.
	Bolin, Ray E.	5505 Bartmer Ave., St. Louis, Mo	
9SZ	Bolin, Ray E. Bonney, Harold H. Bonson, George W.	Louisville, Ill. 287 East St., Dubuque, Iowa. 1322 Lincoln St., Racine, Wis.	٠,٠
9TM	Bonson, George W.	237 East St., Dubuque, Iowa	1.
9AGA	Bornofska, Clarence and Elmer.		
9NJ 9CT	Brahender, Carl W	907 Linwood Ave., Evansville, Ind. 323 W. Broadway, Louisville, Ky. 234 Mavfield Ave., Chicago, Ill. 2314 Vlict St., Milwaukee, Wis.	1.
PET	Reamball William	234 Mayfield Ave Chicago III	:
OWE DEA OCP	Brailsford, Harry D Bramhall, William Brandt, Erwin H	2314 Vlict St., Milwaukee, Wis	
EA	Brattland, Armond D	Ada, Minn	1.
CP	Brattland, Armond D Brauch, Nicholas	2314 Vliet St., Milwaukee, Wis. Ada, Minn 515 Court St., Le Mars, Iowa. 501 Alpine St., Dubuque, Iowa. Crystal Lake, Ill. 488 La Salle St., Chicago, Ill. 4525 Dupont Ave. S., Minneapolis, Minn. 330 N. Rural St., Indianapolis, Ind 1149 W. Edwards St., Springfield, Ill. 173 Foote Ave. Bellevue, Kv.	1. 1.
98A	Brennan, Josoph D. Brewster, Vernon H. Briscoe, Bertram O. Briggs, Walter C. Brigham, Neal D. Brittin, Frank I. Brockschmidt, Wesley E. Brodnax, Lewis M. Brooks, Ralph. Broughton, William G. Brown, Clarence I. Bruestle, Walter F. ir	501 Alpine St., Dubuque, Iowa	1.
DAEN	Brewster, Vernon H	Crystal Lake, III	
9AGU 9KJ	Relace Walter C	4525 Dupont Ave S Minneapolis Minn	
FQ	Brigham, Neal D	330 N. Rural St., Indianapolis, Ind.	
DAGN	Brittin, Frank L	1149 W. Edwards St., Springfield, Ill	
HP	Brockschmidt, Wesley E	173 Foote Ave., Bellevue, Ky. 3526 Walnut St., Kansas City, Mo. 27 156th Pl., West Hammond, Ill.	
MGY	Brodnax, Lewis M	3526 Walnut St., Kansas City, Mo	
9LD 9SD	Brooks, Ralph	27 150th Pl., West Hammond, III	١,٠
BU	Brown Clarence I.	1022 F. Tabor St. Indianapolis, Ind	41
DAAT	Bruestle, Walter F., ir	22 Sterett Ave., Covington, Ky	
DAAL	Buck, Donald N	5332 Kenmore Ave., Chicago, Ill	
ONP	Buckley, Harold J	1206 Wrightwood Ave., Chicago, Ill	1.
DADO	Bullock, Merlin and Gerald	3600 Gladstone Blvd., Kansas City, Mo	
QG	Bundy, Howard E	1007 S. Gallatin St., Marion, Unio	, ,
9ABE 9HI	Bruestle, Walter F., jr. Buck, Donald N. Buckley, Harold J. Bullock, Merlin and Gerald. Bundy, Howard E. Button, Bert A. Burchnell, Goorge M.	27 156th Pl., West Hammond, Ill. 213 S. Court St., Crown Point, Ind. 1022 E. Tabor St., Indianapolis, Ind. 22 Sterett Ave., Covington, Ky. 5332 Kenmore Ave., Chicago, Ill. 1206 Wrightwood Ave., Chicago, Ill. 3600 Gladstone Blvd., Kansas City, Mo. 1007 S. Gallatin St., Marion, Ohio. 2850 R St., Lincoln, Nebr. Monroeville, Ind. 44 Lake Geneva Rd., Salem, Wis. 865 S. Mailit St., Decatur, Ill.	1.
SH	Burdick Roy F	44 Lake Geneva Rd Salam Wis	
9KN	Burdick, Roy E. Burg, Harold E.	865 S. Mailit St., Decatur, Ill.	1.
PED 9WR	Burgess, Charles M	Geneva, III. 5023 N. 24th St., Omaha, Nebr. 693 Willow St., Winnetka, III. 1945 N. 7th St., Sheboygan, Wis 335 W. 9th St., Newport, ky 2029 5th St., Roulder, Colo 911 W. Nevnda St., Urbana, III	
9WR	Burghardt, R. Douglas	5023 N. 24th St., Omaha, Nebr	
9KU	Burgy, Charles A., jr	693 Willow St., Winnetka, Ill	1.
OR W	Burnop, Harold	1945 N. 7th St., Sheboygan, Wis	1.
NO W	Ruse Rolph H	2020 5th St. Roulder Colo	1.
OIQ OAFS	Busey, Paul G.	911 W. Nevada St., Urbana, Ill	1.
PAAG	Butler, Leonard	Wheaton, Ill	- ·
DAAG NW	Busey, Paul G Butler, Leonard Caldwell, Kenneth R	623 W. William St., Decatur, Ill	
PAHW	Call, George R	1529 Pearl St., Sioux City, Iowa	1.
AIA	Campbell, Albert	Wheaton, Ill. 623 W. William St., Decatur, Ill. 1529 Pearl St., Sioux City, Iowa. 4243 W. Congress St., Chicago, Ill. 810 E. North St., Indianapolis, Ind.	
PAGF	Carliela Llayd	716 N. Broadway Crookston Minn	1
POW	Carnes, Theodore 1.	716 N. Broadway, Crookston, Minn. 1116 N. Capitol Ave., Indianapolis, Ind. 6334 McPherson Ave., St. Louis, Mo	1.
9AAC 9QW 9LR 8WR	Carroll, William H	6334 McPherson Ave., St. Louis, Mo	1.
8WR	Carter, David G	Grosse Pointe, Mich	1.
ALC	Carter, George W	Grosse Pointe, Mich	1.
9WF	Carter, George W	804 Kinnaird Ave., Fort Wayne, Ind	
9GA 9LC 9PD	Canary, Elmer B Carlisle, Lloyd. Carnes, Theodore L Carroll, William H Carter, David G Carter, George W Case, Henry W Casey, John G Cassaday, Cecil E.	Wheeler, III. 4945 Forrestville Ave., Chicago, III. 3038 Brooklyn St., Kansas City, Mo.	
	I COSDY, JUILL U	TOTO TULIDOUVILLO AVELLULICARULILLO	1.

NINTH DISTRICT—Continued.

Call signal.	Owner of station.	Location of station.	Pow
			Κι
9NT 9UL	Chapman, Richard C	1332 K St., Lincoln, Nebr 526 West Drive, Indianapolis, Ind	
9UL	Cherch Archibald in	526 West Drive, Indianapolis, Ind.	
90B 9ADY	Clare Newell	4854 Dorchester Ave., Chicago, III	
9DP	Clark Rayard H	Ellsworth, Wis. 205 Augusta Ave., De Kalb, Ill 3240 Alcott St., Denver, Colo. Indianapolis, Ind.	
9ADF	Clark Donald L	3240 Alcott St., Denver, Colo.	
9ADH 9VM	Clark, Marion E	Indianapolis, Ind	
9AFU	Clayton, Harold II	R. F. D. No. 5, Monroeville, Ind. 680 Arch St., Indianapolis, Ind. 374 Farwell Ave., Milwaukee, Wis. 820-824 S. Clinton, Fort Wayne, Ind. 1138 Packard Ave., Fort Wayne, Ind. 2215 S. Royce St., Sioux City, Iowa. Geneva, Wis.	
9GU	Clayton, Homer E	680 Arch St., Indianapolis, Ind	
9NA 9WA		374 Farwell Ave., Milwaukee, Wis	
9WA	Cleaveland, Leroy A. Coats, Roscoe J. Cornish, Clarence F. Clough, Kendall. Cobb, Merle A. Coffman, Scott. Cole, Jirah D., Jr. Cole, Jirah D., Jr. Coles, James A. Community House. Cook George S.	820-824 S. Clinton, Fort Wayne, Ind	
9KG 9AAM	Clough Vandall	2015 C Porce St. Sioux City Towa	
OCN	Cobb Marla A	Canava Wis	
9CN 9AEV	Coffman Scott	61 N. Gale St., Indianapolis, Ind.	
9IF	Cole, Jirah D., ir	810 Vernon Ave., Glencoe, Ill	
9AN	Cole, Jirah D., jr	Community House, Lincoln St., Winnetka, Ill	
9GV	Coles, James A	2637 12th Ave., Minneapolis, Minn	
	Community House	Winnetka, Ill. See Cole, Jimh D., jr. (9AN).	
9AIJ	Cook, George S	1932 Pennsylvania Ave., S., Minneapolis, Minn	
9SC	Cooper, Charles H	2126 Elliott St., Indianapolis, Ind	
9NO 9ABD	Commin Willie	117 F. McCarty St. Jefferson City Mo	
9AGG	Cottreel Corbam I	1628 Jarsay St. Onincy Ill	
9UI	Cottrell, Hale T	1229 St. Ann St., Owensboro, Kv	
9UI 9NF	Cottrell, William R	Prairie City, Iowa	
90 Q	Cook, George S. Cooper, Charles H. Coquilette, Glenn E. Corwin, Willis. Cottrell, Gorham J. Cottrell, Hale T. Cottrell, William R. Coultas, Charles. Crabb, Thomas G. Craig, Richard A. Cramer, Wilbur R. Crawford, Robert N., jr Cronk, Seymour H. Crowdus, James A.	12215 S. Royce St., Sioux City, Iowa Geneva, Wis. Geneva, Wis. Geneva, Wis. Geneva, Glencoe, Ill. 1810 Vernon Ave., Glencoe, Ill. Community House, Lincoln St., Winnetka, Ill. 2637 12th Ave., Minneapolis, Minn. Winnetka, Ill. See Cole, Jirnh D., jr. (9AN). 1932 Pennsylvania Ave., S., Minneapolis, Minn. 12126 Elliott St., Indianapolis, Ind. 117 Hutchins St., Woodstock, Ill. 117 E. McCarty St., Jefferson City, Mo. 1628 Jersey St., Quincy, Ill. 1229 St. Ann St., Owensboro, Ky Prairie City, Iowa. 950 Beach Ave., St. Louis, Mo. 1807 N. Meridian St., Indianapolis, Ind. 1813 Os. 40th St., Omaha, Nebr. 3829 Vincennes Ave., Chicago, Ill. Stafford, Kans. 1817 Westpington Ava., St. Louis, Mo. 1817 Westpington Ava., St. Louis, Mo. 1817 Westpington Ava., St. Louis, Mo. 1817 Westpington Ava., St. Louis, Mo.	
9ABA	Crabb, Thomas G	5906 Cater Ave., St. Louis, Mo	1
9BI	Craig, Richard A	1807 N. Meridian St., Indianapolis, Ind	
9NG	Cramer, Wilbur R	5130 S. 40th St., Omana, Nebr	
911L 9TE	Cropk Sormour II	Stafford, Kans	
9HN		5047 Washington Ave., St. Louis, Mo	
9RX	Curmings, Murney. Curry, Wilfred N. Curtis, Charles D. Curtis, David S., jr.	258 S. W. Main St., Kenosha, Wis	
9ACN	Curry, Wilfred N	Sweet Springs, Mo	
9GN	Curtis, Charles D	Pembina, N. Dak	
9AIV	Curtis, David S., jr	2100 Elisha Ave., Zion City, III	
9TO	Cyr, Darrell J	109 W. 2d St., Sloux City, lowa	
9SF	David Rankan is School of	St Louis Mo See under "T" The David Ranken	
	Cyr, Darrell J Daugherty, Hugh D David Ranken, jr School of Mechanical Trades. Davidson, James	Jr. School of Mechanical Trades.	
9FS ·	Davidson, James Davidson, James Davis, Donald W Davis, Herbert	Stafford, Kans. 5047 Washington Ave., St. Louis, Mo. 253 S. W. Main St., Kenosha, Wis. Sweet Springs, Mo. Pembina, N. Dak. 2100 Elisha Ave., Zion City, Ill. 109 W. 2d St., Sioux City, Iowa. 2335 Bellfontaine St., Indianapolis, Ind. St. Louis, Mo. Sce under "T," The David Ranken, Jr., School of Mechanical Trades. 509 Clarke St., Whiting, Ind. 6636 Normal Blvd., Chicago, Ill. 21 E. Caramillo Ave., Colorado Springs, Colo. 6141 S. Kilbourne Ave., Chicago, Ill. 1065 Yuma St., Denver, Colo. 1409 W. Edwards St., Springfield. Ill. 908 W. Stoughton St., Urbans, Ill.	
9FS · 9AZ	Davidson, James	6636 Normal Blvd., Chicago, Ill	
9HM	Davis, Donald W	21 E. Caramillo Ave., Colorado Springs, Colo	
9AGQ	Davis, Herbert	6141 S. Kilbourne Ave., Chicago, Ill	
9EZ	Davis, Herbert Davis, Richard M Davis, William R Davis, Winfield Day, Harold E Deal, Harmon B Daen, Carl W	1065 Yuma St., Denver, Colo	
9KZ 9AIY	Davis, William R	1409 W. Edwards St., Springheid, III	
9SO	Day Harold E	209 Gray St., Indianapolis, Ind	
9NN	Deal, Harmon B	6 S. Fountain St., Cape Girardeau, Mo	1
9EG	Dean, Carl W	209 Gray St., Indianapolis, Ind. 6 S. Fountain St., Cape Girardeau, Mo. 3115 N. Capitol Ave., Indianapolis, Ind. 1910 Sunnyside Ave., Chicago, Ill. 394 24th Ave., Milwaukee, Wis.	
9RH	Debus, George W	1910 Sunnyside Ave., Chicago, Ill	
9ACT	Degner, Le Roy	394 24th Ave., Milwaukee, Wis	
9DX 9OW	Deal, Harmon B. Dean, Carl W. Debus, George W. Degner, Le Roy. Delch, Dayton P. Del-Vecchio, Earl. Deming, Herschel. Diennis, Eben R. Dickson, Ward. Diehl, Grant, jr. Dier, Stephen Diffenderler, Davis A. Dilley, Joseph	Limon, Colo. 3810 Alta Vista Ter., Chicago, Ill. 1545 Barth Ave., Indianapolis, Ind. Hutchinson, Minn. Carrollton, Ill.	
9ABN	Deming Herschel	1545 Barth Ave., Indianapolis, Ind	
9IW	Dennis, Eben R	Hutchinson, Minn	
9FG	Dickson, Ward	Carrollton, Ill	10
9UD	Diehl, Grant, jr	699 27th St., Milwaukee, Wis	
9MS	Dier, Stephen	1305 Court St., Le Mars, Iowa	
9VS	Diffenderier, Davis A	2109 S. Harrison St., Fort Wayne, Ind	
90A	Dilley, Joseph	Collegeville Minn	
9ACA 9AIW	Doole Howard	Adams Nebr	1
9AHK	Drummond, Ralph	Oglesby, Ill	
9ACG	Duncan, Wilbur H	1199 W. Wood St., Decatur, Ill.	
9FE	Dunklau, George P	4046 Congress St., Chicago, Ill	
9AAP	Dunlap, Carroll M	High School, Manchester, Iowa	1
9BC	Dunlap, Carroll M	Manchester, Iowa.	
9AAO	Ebert, Arthur	3220 Potomac Ave., Chicago, III	
9AEI 9DD	Edwar Lothar A	6347 Kanmore Ave. Chicago III	
9UZ	Edwards Austin N	99 E. 4th St. Covington, Ky	
9AFZ	Dilley, Joseph Doerner, Hilary Doole, Howard Drummond, Ralph Duncan, Wilbur H Dunklau, George P Dunlap, Carroll M Ebert, Arthur Ebner, Emil E., jr Ederer, Lothar A Edwards, Austin N Egloff, Edward and Martin. Ehling, Fritz M	Hutchinson, Minn Carrollton, Ill. 699 27th St., Milwaukee, Wis. 1305 Court St., Le Mars, Iowa. 2109 S. Harrison St., Fort Wayne, Ind. 1067 Ainslee St., Chicago, Ill. Collegeville, Minn Adams, Nebr Oglesby, Ill. 1199 W. Wood St., Decatur, Ill. 4046 Congress St., Chicago, Ill. High School, Manchester, Iowa Manchester, Iowa. 3220 Potomac Ave., Chicago, Ill. 603 N. 10th St., Atchison, Kans. 6347 Kenmore Ave., Chicago, Ill. 99 E. 4th St., Covington, Ky. 2729 W. Barry Ave., Chicago, Ill. 1438 E. 11th St., Indianapoiis, Ind. 1818 19th St., Superior, Wis. Gillespie, Ill.	
9LV 9PM 9VR	Ehling, Fritz M Eick, Ferdinand Eilers, Werner	1438 E. 11th St., Indianapolis, Ind	1

NINTH DISTRICT-Continued.

Call signal.	Owner of station.	Location of station.	Power.
197			Kw.
9TD	Eisele, Edward J	1324 Rutledge St., Madison, Wis	1.0
9DU	Elliott, Bryon K	1733 N. Meridian St., Indianapolis, Ind	1.0
9BA	Elliott, Bryon K. Elmore, Vírtus R. Engel, Roman. Englund, Lawrence.	615 N. Madison St., Marion, III	1.0
9AGZ 9AIQ	Engel, Roman	664 48th St., Milwaukee, Wis	
PU M	England, Lawrence Erickson, Edward H Erickson, Einer A Erikson, Eben W Estling, David A Evans, Walter C Eyth, Hector G	697 W. Superlor St. Fort Warms Ind	
9A DC	Frielson, Edward H	225 Lafavatta Ave. Racine Wis	
9JB	Erikson, Eben W	1108 Elm St., Winnetka, I'l	
OVO	Estling, David A	1619 S. Sth St., Minneapolis, Minn.	
2MC	Evans, Walter C	6632 Kimbark Ave., Chicago, Ill	1.0
OG F	Eyth, Hector G	2325 Arapahoe St., Denver, Colo	
DC	Fahrney, Clarence II Fawcett, Lester S. Fawkes, Charles E.	Polo, Ili. 200 3d Ave., S. W., Independence, Iowa 503 Hill St., Dubuque, Iowa	
PAIF	Fawker Charles F	206 3d Ave., S. W., Independence, Iowa.	1.0
ABT	Fedder, Herman	1410 W High St. Davenment Jawa	
UE	Fels Thomas W	2105 John St., Fort Wayne, Ind.	1.0
AGH	Fels, Thomas W. Fenner, Zell G. Ferdinand, Harry P. Ferguson, William B.	23 E. Washington St., Colfax, Iowa	1.0
N.Me	Ferdinand, Harry P	1315 School St., Rockford, Ill	
PAIN	Ferguson, William B	108 N. 17th St., Richmond, Ind	
OIAG	Ferree, Frank H Fiedler, Herbert W Finelout, Fred. Finlay, William J Finley, Cyrus P Fisher, Ralph D Flesvig, Henry Flynn, Lohn H ir	1440 W. High St., Davenport, Iowa 2105 John St., Fort Wayne, Ind. 21 E. Washington St. Colfax, Iowa 1315 School St., Rockford, Ill. 108 N. 17th St., Richmond, Ind. 434 E. 9th St., Alton, Ill. 1142 Diversey Parkway, Chicago, Ill. 1310 E. New York St., Indianapolis, Ind. 525 Oakwood Ave., Webster Groves, Mo. 339 3d Ave. W., Cedar Rapids, Iowa. 918 S. 7th St., Fargo, N. Dak. 743 W. 26th St., Chicago, Ill. 228 E. 5th St., Newport, Ky. 352 1th Ave., S., Minneapolis, Minn. 925 Winchester St., Milwaukee, Wis. 231 Lincoln Ave., Crookston, Minn.	
OA GV OPI	Fledler, Herbert W	1142 Diversey Parkway, Chicago, III	
JQ	Finlay William I	525 Oakwood Ava. Walster Groves Mo.	1.0
90 M	Finley Come P	330 3d Ava W Coder Rapids Iowa	1.
9EN	Fisher, Ralph D	918 S. 7th St., Fargo, N. Dalk.	1.0
PRI	Flesvig, Henry	743 W. 26th St., Chicago, Ill	
PBN	Flynn, John H., jr. Forbes, Henry C. Foster, Edwin J. Fox, Laurence C.	228 E. 5th St., Newport, Ky	1.0
9KB	Forbes, Henry C	3532 11th Ave., S., Minneapolis, Minn	
PK	Foster, Edwin J	925 Winchester St., Milwaukee, Wis	1.0
OTF OAIW	Francis, Lyle	231 Lincoln Ave., Crookston, Minn	1.
9ACR	Francis, Lyle	Adams, Nebr. 1727 W. 2d St., Davenport, Iowa	*
ADA	Frank, GeorgeFranklin, Meurice W	Sewar Nebr	1.0
DADA DE U	Frech, Lester	Sewar, Nebr. 336 E. Sutterfield St., Fort Wayne, Ind	
9EK		1722 Maple St., Racine, Wis	1.5
ABS	Frenzel, Oscar F., jr	1338 N. New Jersey St., Indianapolis, Ind.	
TOL	Frenzel, Oscar F., jr. Friend, Earle M. Fritz, Jack A. S.	1722 Maple St., Racine, Wis. 1338 N. New Jersey St., Indianapolis, Ind. 4815 Vincennes Ave., Chicago, Ill. 2211 Salisbury St., St. Louis, Mo. 743 Lawndale Ave., South Bend, Ind.	
OY OTG	Fritz, Jack A. S	2211 Salisbury St., St. Louis, Mo	1.
ZIA	Cabbert Over F is	011 Kantucky St. Michigan City Ind	1.
QX	Fruit, Lester Gabbert, Oscar F., ir Galpin, John K.	911 Kentucky St., Michigan City, Ind. 2132 Broadway, Indianapolis, Ind. 329 Brudette St., Omalia, Nebr.	
DAGE	I Gamble, Glen A	4329 Brudette St., Omalia, Nebr	1.0
SW	Common Emple L'	S11 18th St., Ashland, Ky	1.0
AES	Garrett, Hallie C. Garrett, Sherman S. Garver, Norman D. Gates, Arthur R.	4329 Bridette St., Omains, Neor St11 18th St., Ashland, Ky 810 E. 40th St., Kansas City, Mo 504 W. Washington St., Champsign, Ill. 210 4th Ave., Peoria, Ill. 613 Arsenal St., St. Louis, Mo	1.0
OWO	Garrett, Sherman S	504 W. Washington St., Champaign, III	1.0
DAEB	Cates Arthur D	612 Assemblet St. Louis Mo	:
AHA	Gates, George B	942 Superior St. Racine Wis	
VN	Geiger, Hans F.	942 Superior St., Racine, Wis. 3151 Graceland Ave., Indianapolis, Ind 403 Lexington St., Independence, Mo	
ОК	Gelger, Hans F. Gerkey, Lewis K. Giddings, Edward H.	403 Lexington St., Independence, Mo	1.0
MK	Giddings, Edward H	Lanark, Ill	
O.M.D	Glese Raymond C	New London, Iowa	1.0
JU	Gisseler, Herman	Lanark, III. New London, Iowa 2828 Fletcher St., Chicago, III. 3906 Arsenal St., St. Louis, Mo. 748 Lawndale Ave., South Bend, Ind. High School, South Bend, Ind. 2006 Fulton Ave., Evansville, Ind. Shawnee, Kans. 703 Marion St., Boone, Iowa.	1.0
OJN OAHT	Glasgow, Roy S. Glavin, Roland E Glavin, Roland E Gleichman, Walter C Goddard, C	748 Loundole Ave. South Rend Ind	1.0
NM	Glavin Roland E	High School South Bend, Ind	1.
HT	Gleichman Walter C	2006 Fulton Ave. Evansville, Ind.	
BZ	Goddard, C	Shawnee, Kans	
ACS	Gooch, Bertram. Goodnetter, Elmore F. Goodnow, Frank F. Goorisich, John A.	703 Marion St., Boone, Iowa	1.
JS	Goodnetter, Elmore F	1500 Grand Ave., Racine, Wis	
AS	Goodnow, Frank E	310 Van Buren St., Joliet, III	1.
KF PS	Cooks Donald	Pleaming Proirie Minn	:
RP	Gosha, DonaldGraf, Rudolph	1061 Mulberry St. Rockford III	1.
VL	Grafe, Harold	2825 Irving Pk. Blvd., Chicago, Ill.	
MQ		703 Marion St., Boone, Iowa 1500 Grand Ave., Racine, Wis. 310 Van Buren St., Joliet, Ill. 2316 Clybourn St., Chicago, Ill. Blooming Prairle, Minn. 1061 Mulberry St., Rockford, Ill. 2825 Irving Pk. Blvd., Chicago, Ill. 3033 Park Ave., Kansas City, Mo. 117 South St., Woodstock, Ill.	1.
FT	Graves, G. G. Graybill, Donald R. Greanleal, Sydine A. Greene, Clark W. Greene, John	117 South St., Woodstock, Ill	1.
UK	Graybill, Donald R	Polo, Ind	1.
OIC	Greanleaf, Sydine A	708 Clay St., Woodstock, Ill	
9LY	Greene, Clark W	1113 Park Row, Lake Geneva, Wis	
9ACD 9PQ	Greenled Ruston B	34 Wolnut St. Savanna III	
9ADB	Greenwood, George W is	1321 Western Ave., Topeka Kans	
9JX	Griffiths, Robert E	4704 Fulton St., Chicago, Ill.	
9TO	Griggs, Fred W	117 SOULD SE., WOODSLOCK, III. 708 Clay St., Woodstock, III. 1113 Park Row, Lake Geneva, Wis. Prairie du Chien, Wis. 34 Walnut St., Savanna, III. 1321 Western Ave., Topeka, Kans. 4704 Fulton St., Chicago, III. 441 Tacoma Ave., Indianapolis, Ind. 4816 W. Berteau Ave., Chicago, III. Delmar, Iowa	
9AB 9VX	Groskopf, William L	4816 W. Berteau Ave., Chicago, Ill	
	I Crocemon Lugana F	Dalman Lama	1.

NINTH DISTRICT-Continued.

Call signal.	Owner of station.	Location of station.	Powe
		3746 Giddings St., Chicago, Ill. 1534 W. Locust St., Davenport, Iowa 329 25th Ave., Milwaukee, Wis 1006 St. John St., Albert Lea, Minn 630 Wallis Ave., Rockford, Ill. 214 Crawford St., Boone, Iowa 2352 Bellefontaine St., Indianapolis, Ind. 216 Kedzic St., Evanston, Ill. 357 N. Pleasant St., Kenosha, Wis Fllsworth, Wis. 842 Main St., Racine, Wis. 3901 Fourth Ave., Sloux City, Iowa 4015 Alcott St., Denver, Colo. 23 Merriam Pl., St. Paul, Mim. 1006 S. 14th St., Lafayette, Ind. 207 Front St., Harvard, Ill. R. F. D. No. 1, Fairfield, Nebr. 1123 Herrick Ave., Racine, Wis. 1123 Herrick Ave., Racine, Wis. 1130 S. Bryant Ave., Minneapolis, Minn. 730 Wisconsin Ave., Oak Park, Ill. 920 N. Harrison St., Topeka, Kans. 920 Burns St., Alton, Ill. Gilman, Ill.	Ku
9CH	Grosseup, Harry W	3746 Giddings St., Chicago, Ill	(
9AGO	Groth, William A	1534 W. Locust St., Davenport, Iowa	
TU	Grosseup, Harry W Groth, William A Gruda, Edgar	329 25th Ave., Milwaukee, Wis	
AJE	Gunderson, Clarence Gustafson, C. Hjalmar. Gustafson, Gerald Guthrie, Edwin P. Hadley, J.	1006 St. John St., Albert Lea, Minn	
PX	Gustafson, C. Hjalmar	630 Wallis Ave., Rockford, Ill	
JO	Gustafson, Gerald	214 Crawford St., Boone, Iowa	
RM	Guthrie, Edwin P	2352 Bellefontaine St., Indianapolis, Ind	
HF	Hadley, J	216 Kedzie St., Evanston, Ill	
DF	Hagedorn, Gilbert H Hageman, Edwin S	357 N. Pleasant St., Kenosha, Wis	
ACU	Hageman, Edwin S	Ellsworth, Wis	
MY	Haines, Thorvald L. Haitz, Fred, jr. Hall, Alfred H. Hall, Harlan R.	842 Main St., Racine, Wis	
AEU	Haitz, Fred, jr	3901 Fourth Ave., Sioux City, Iowa	
AEO	Hall, Alfred H	4015 Alcott St., Denver, Colo	
CF	Hall, Harlan R	23 Merriam Pl., St. Paul, Mirm	
9AV	Hamel, Walter II	1006 S. 14th St., Lafavette, Ind	
UT TJ	Hamilton, Leo L	207 Front St., Harvard, Ill	1
TJ	Hancock, George T	R. F. D. No. 1, Fairfield, Nebr	1
PB	Hancock, Leverne	1209 13th St., Superior, Wis	1
CE	Hansen, Leland H	1123 Herrick Ave., Racine, Wis	1
AHE	Harlin, Paige J	3704 S. Bryant Ave., Minneapolis, Minn	
RF	Harmegnies, Paul E	730 Wisconsin Ave., Oak Park, Ill	1
AAY	Harris, Frank M., jr	920 N. Harrison St., Topeka, Kans	
AFO	Harris, Harvey P	920 Burns St., Alton, Ill	
IZ	Harris, Ralph G	Gilman, Ill	
LK	Harrison, Major P., jr	Gilman, Ill. 118 E. Pratt St., Indianapolis, Ind. Quincy and Douglas Sts., Houghton, Mich. 210 State St., Wauwatosa, Wis	
CJ	Harry, Charles	Quincy and Douglas Sts., Houghton, Mich	
ADT	Hamiel, Walter II Hamilton, Leo L Hancock, George T. Hancock, Leverne. Hansen, Leland H. Harlin, Paige J. Harmegnies, Paul E. Harris, Frank M., ir. Harris, Frank M., ir. Harris, Harvey P. Harrison, Major P., jr. Harry	210 State St., Wauwatosa, Wis	1
KY	Hortwell Eugene H	R F D No 28 Sala Wis	
FL	Hauck, George	218 Chestnut St., Newport, Ky	1
UV	Hayes, James E. S	220 W. 4th St., Duluth, Minn	
$\mathbf{C}\mathbf{X}$	Hauck, George. Hayes, James E. S. Huynes, Roy. Healy, Kent T. Heck, Lawrence F. Heckenkamp, Emile B. Hect, Royal H.	6939 S. May St., Chicago, Ill	
UV CX DY	Healy, Kent T	849 Willow St., Winnetka, Ill	
BF	Heck, Lawrence F	1239 Center St., Racine, Wis	
FR	Heckenkamp, Emile B	300 E St., Belleville, Ill	
ADQ.	Hect. Royal H	1523 Estes Ave., Chicago, Ill	1
ADQ UO	Hegge, Adolph	Hatton, N. Dak	
CR	Heiae, Paul A	841 Wilson Ave., Chicago, III. 5134 Franklin St., Michigan City, Ind 35 E. 336 St., Indianapolis, Ind 1729 Sunnyside Ave., Burlington, Iowa	1
CW	Heise, Elmer B	5131 Franklin St., Michigan City, Ind	
LI	Heiser, Walter C	35 E. 33d St., Indianapolis, Ind	1
IL	Hellwig, Emil C	1729 Sunnyside Ave., Burlington, Iowa	1
KL	Heise, Elmer B. Heiser, Walter C. Hellwig, Emil C. Helms, Elvin E. Hendricks, George H.	Petersburg, Ky	
KK	Hendricks, George H	1410 Barth Ave., Indianapolis, Ind	
IO	Henry, Albert L	Bennington, Kans	1
AGG	Herrling, Raymond C	856 Prospect St., Elgin, III.	
EL	Herrmann, Louis G	1330 Anthony Bivd., Fort Wayne, Ind	-
EQ	Hesly, Daniel	1244 Carmon Ave., Chicago, Ill	
MU	Hesly, Daniel	1729 Sunnyside Ave., Burlington, Iowa. Petersburg, Ky. 1410 Barth Ave., Indianapolis, Ind. Bennington, Kans. 856 Prospect St., Elgin, Ill. 1330 Anthony Blvd., Fort Wayne, Ind. 1244 Carmon Ave., Chicago, Ill. 832 Forest Ave., Wilmette, Ill. 1306 E. Marion, Ill. 1428 Park Ave., Indianapolis, Ind. 1428 Park Ave., Indianapolis, Ind. 1481 Laramie St., Atchison, Kans. 1481 Ith Ave., Milwaukee, Wis. 120 Bayton St., Madison, Wis. 170 18th Ave., Milwaukee, Wis. 120 Broadway. Crookston, Minn. 13106 Graceland Ave., Indianapolis, Ind. 1520 Greenleaf Ave., Glencoe, Ill. 1520 Greenleaf Ave., Covington, Ky. 1108 Franklin St., Burlington, Iowa.	
ADW	Hicks, Verner	1400 Dools Ave. Indianapolis Ind	1
DG	Hicks, Verner Hilgenberg, Noble C Hoffman, Erich A Hogan, Lee Holcombe, Ray E Hollister, Harold A	1926 Fark Ave., Indianapolis, Ind.	1
WV SR	Homman, Erich A	459 11th Ava Milwankoo Wie	1
BP	Holomba Par F	22 Dauton St. Madison Wis	
EH	Hollister Forold A	370 18th Ava Milwaukaa Wie	1
OI		220 Rroadway Crookston Minn	
ABI		3106 Graceland Ave Indiananclis Ind	1
QE	Honking Stanlay W	520 Graenloof Avo. Glancos III	1
QJ	Honecker, Walter Hopkins, Stanley W Hood, Kuper, jr Hood, Norman R Hood, Thomas	206 Sterrett Ave Covington Kv	
JG	Hood Norman R	1108 Franklin St. Burlington Jawa	1
QS	Hood Thomas	124 E. 32d St. Indianapolis Ind	1
AEJ	Hornbeck, Holton	150 E. Green St., Decatur, Ill	1
AIL	Hornbeck, Holton	270 Steriett Ave., Gyrington, Nama. 1108 Franklin St., Burlington, Iowa. 124 E. 32d St., Indianapolis, Ind. 150 E. Green St., Decatur, Ill. 1712 E. Jackson St., Springfield, Ill.	
LW		Buffalo, III	
AFE	Howard, John C.	311 S. State St., Champaign, Ill.	
VG	Howard, L. Hardeman.	112 West St., Fulton, Kv.	
VG PT	Howland, H. N	Stony Isld. Ave., and 62d St., Chicago, Ill.	
IA.	Huckett, Edwin W	402 N. Oakley St., Kansas City, Mo.	1
AET	Howard, John C. Howard, L. Hardeman Howland, H. N Huckett, Edwin W Huff, Fred W	4328 Tracy Ave., Kansas City, Mo.	1
MO	Huffman, Verne A Huffman, Charles Hunt, Clayton S Hughes, Arthur S Hughes, Lower C	218 Jackson St., Polo, Ill.	
RV	Huffman, Charles	131 W. Calendar Ave., La Grange, Ill	1
AIP	Hunt, Clayton S	R. F. D. No. 2, Urbana, Ill.	1
ADG	Hughes, Arthur S	7390 Maple Ave., Maplewood, Mo	1
MUM			
MV	Hughes, James C	418 Taylor St., Topeka, Kans	
MV MJ PT	Hughes, James C Hussner, Helm C Hyde Park High School Ra-	069 Drow St. Appleton Wig	

NINTH DISTRICT—Continued.

ALPHABETICALLY BY OWNERS OF STATIONS-Continued.

Call ignul.	Owner of station.	Location of station.	Powe	
			Kw.	
GZ	Ihl, G. Sheridan	3834 N. 25th St., St. Louis, Mo	0	
DA DAU DNY	Irvin, John A. Iversen, Reginald J	Cannelton, Ind	1 1	
NV	Iversell, Reginald J	Capa Girardeau Ma	1 1	
ADF	Tarbon Owen	109 Locust St. Carrollton III	1	
AFA	Ivy, John S	1330 W. 50th St., Chicago, Ill.		
ACM	Jeffrey, Albert E	High School, Goshen, Ind.	1	
DE	Jensen, Arnold N	336 High School Ave., Council Bluffs, Iowa		
TK	Jensen, Louis T	1217 Center St., Racine, Wis	1	
QR AL	Jewett, Gerald A	2105 High St., Des Moines, Iowa	1	
CI	Johnson, Arthur F	Foughten Mich	,	
oc	Jargszewicz, Casimir. Jeffrey, Albert E. Jensen, Arnold N. Jensen, Louis T. Jewett, Gerald A. Johnson, Arthur F. Johnson, August R. Johnson, Lorin F. Johnson, Paul E. Johnson, Rajph J. Johnston, Roderick E. Jordan, Jacob	336 High School Ave., Council Bluffs, Iowa 1217 Center St., Racine, Wis 2105 High St., Des Moines, Iowa 2105 High St., Des Moines, Iowa 2706 Mersington Ave., Kansas City, Mo. Houghton, Mich 11. F. D. No. 7, Columbia, Mo. 2800 E. 28th St., Minneapolis, Minn. 628 Marlon Ave., Indianapolis, Ind.		
OU	Johnson, Paul E	2800 E. 26th St., Minneapolis, Minn.		
QU	Johnson, Ralph J	628 Marion Ave., Indianapolis, Ind		
CV	Johnston, Roderick E	Boulder, Colo		
AIK	Jordan, Jacob	Jesserson High School, Lasayette, Ind	1	
BS JD	Jorgenson, Harold	941 Herrick Ave., Racine, Wis		
KO	Jorgenson, U. D	485 Purk Ave. Council Bluffs Town		
ADV	Joslin Murray	Independence Iowa	1 1	
AK	Joseph, Jaroid 8. Joslin, Murray. Jumisko, Haroid W. Juvenal, James B.	Boulder, Colo. Jefferson High School, Lafavette, Ind. 941 Herrick Ave., Racine, Wis. 1619 Highlit Ave., Superior, Wis. 465 Park Ave., Council Bluffs, Iowa. Independence, Iowa. 241 Wolverine St., Laurium, Mich. 345 Washington Blvd., Kansas City, Kans.		
DR	Juvenal, James B	345 Washington Blvd., Kansas City, Kans		
WC	Kannensune, rabian M	3400 Morgan St., St. Louis, Mo	1 :	
AJG	Kansier, Victor H	445 3d St., Reedsburg, Wis. 928 Wright St., Milwaukee, Wis. 634 W. 4th St., Superior, Wis. 6425 Parnell Ave., Chicago, Ill. 1742 N. Park Ave., Chicago, Ill.		
BD	Kaufmann, Elmer. Keeler, Fayette W. Keenan, Charles J. Kees, Rossman W.	824 W 4th St. Superior Wis		
LF	Koonen Charles I	8128 Parnell Ave Chicago III	1	
OB	Kees, Rossman W.	1742 N. Park Ave., Chicago, Ill.		
QB	Keffer, Allen W	Ashland, Ky.		
ADE	Keller, Carl E	Kinsley, Kans		
ADE JI, WI	Kees, Rossman W. Kefler, Allen W. Keller, Carl E. Keller, Stanley L. Kelley, Eugene V. Kelley, Eugene V. Kenyon, Vernon N. Kern, L. Armstrong. Kerney, Iden M. Kihlstrom, Harry C. Kimmel, Maurice E. Kingsland, Le Roy	Kinsley, Kans. 602 25th St., Kearney, Nebr. 1311 W. Maple Ave., Independence, Mo. 551 Parkside Ave., Chicago, Ill., 10 10 10 10 10 10 10 10 10 10 10 10 10 1	1	
WT	Kelley, Eugene V	1311 W. Maple Ave., Independence, Mo		
AAT	L'onvon Vernon N	Dunwoody School Minneapolic Minn		
DAAT	Kern L. Armstrong	3208 Western Ave., Mattoon, III.		
HC	Kerney, Iden M	725 6th Ave., Council Bluffs, Iowa		
AH	Kihlstrom, Harry C	7348 Lafayette Ave., Chicago, Ill		
ME	Kimmel, Maurice E	203 E. South St., DuQuoin, Ill.		
ABM	Kingsland, Le Roy Kingsley, Raymond C. Kistner, Joseph. Klicpera, Milhart F.	2126 Clarence Ave., St. Louis, Mo. 1445 W. State St., Rockford, ill 222 E. Southgate St., Newport, Ky. 1705 Douglas Ave., Racine, Wis.		
DAP DHG	Kigtner Joseph	222 F. Southeste St., Newport, Ky		
CM	Klicpera, Milhart F	1705 Douglas Ave., Racine, Wis		
RB	Kluge, Arno A. Knodle, Almon S. Knouf, Ralph.	Ravenna, Nebr. 1942 Talbott Ave., Indianapolis, Ind. 1344 21st St., Des Moines, Iowa. 523 Merchant St., Effingbam, Ill. 3032 E. Michigan St., Indianapolis, Ind. 3141 Osace St. St. Louis. Mo.		
AGM	Knodle, Almon 8	1942 Talbott Ave., Indianapolis, Ind		
LU_	Knouf, Ralph	1344 21st St., Des Moines, Iowa		
AAK	PLUUWICS, A VOI 21	523 Merchant St., Ellingham, III		
UG	Koch, Emerson L	2141 Ocaza St. St. Louis Mo.		
OD	Koenig, William, jr	606 St Clair Ave Shehovgan Wis		
86	I Komin, Palli M	1116 Wolfram St., Chicago, Ill.		
PA	Korthals, Albert	1607 N. 13th St., Sheboygan, Wis		
НО	Kossow, Erwin. Kramer, Andrew W	3032 E. micrigan St., Indianapolis, Ind. 3141 Osage St., St. Louis, Mo. 606 St. Clair Ave., Sheboygan, Wis. 1116 Wolfram St., Chicago, Ill. 1607 N. 13th St., Sheboygan, Wis. 700 32d St., Milwaukee, Wis. 7724 Lowe A.e., Chicago, Ill.		
WX	Kramer, Andrew W	7724 Lowe Ate., Chicago, Ill		
KE	Kranzfelder, Leonard J	A410 Forest Park Pland St. Louis Ma	1	
NI	Krause, Charles H. Krug, Eugene C	Bayfield, Wis. 4419 Forest Park Blvd., St. Louis, Mo. 2249 St. Louis Ave., St. Louis, Mo. 4652 N. Hermitage Ave., Chicago, Ill.		
AFD	Krus, Carl	4652 N. Hermitage Ave., Chicago, Ill.		
LQ	Kruse, Schiller			
LQ	Kuhl. S. Harris	2508 N. Spaulding Ave., Chicago, Ill. 1100 S. Josephine St., Denver, Colo. 5217 Glenwood Ave., Chicago, Ill.		
FUPR	La Duke, Earl R	1100 S. Josephine St., Denver, Colo		
PR TZ	La Duke, Earl R. Laidlaw, Robert F. Lamb, Rea M.	110 Milwoykee Ave. Keneshe Wie	1	
AEC	Landon, Edward B.	3860 Oceola St. Danvar, Colo		
PG	Langen, George R	517 N. 3d St., Fargo, N. Dak	1	
KT	La Plant, G. L.	St. Anthony, Iowa.	1	
KT	La Plant, G. L. Larsen, Clifford N	504 Spring St., Elgin, Ill		
QA TX	Larson, Lee H	2020 Telegraph Rd., Davenport, Iowa		
TX	La Rue, Harold	633 Park Ave., W., Waterloo, Iowa		
PV	Laube, Herbert L	5217 (Henwood Ave., Chicago, III. 119 Milwaukee Ave., Kenosha, Wis. 3860 Oceola St., Denver, Colo. 517 N. 3d St., Fargo, N. Dak 8t. Anthony, Iowa. 504 Spring St., Elgin, III. 2020 Telegraph Rd., Davenport, Iowa. 633 Park Ave., W., Waterloo, Iowa. 315 Grace St., Dubuque, Iowa.		
GI	Lavander Edwin N	2225 Douglass St., Sioux City, Iowa. 7363 Maple Blvd., Maplewood, Mo	1	
, Cla	Laughlin, Dale Lavender, Edwin N Lawrence High School. See	Lawrence, Kans	1	

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NINTH DISTRICT-Continued.

Call signal.	Owner of station.	Location of station.	Powe
	Lawson, Parryyn R Leberman, Palmer K Lebo, Robert B Lee, David R Leininger, Clarence W Lethen, Edward Le Vine, George L Lewis, Hubert Lewis, W. Turnor, jr Lipe, Corodon C Lipman, Theodore E I Liston, Earl	838 Eugene St., Indianapolis, Ind. Upper Falls Rd., Sheboygan, Wis. 1306 Main St., Richmond, Ind. 933 Galt Ave., Chicago, Ill. 2119 N. Tripp Ave., Chicago, Ill. 4312 Greenview Ave., Chicago, Ill. 801 W. 7th St., Des Moines, Iowa 5100 Easton Ave., St. Louis, Mo. 1500 Main St., Racine, Wis. 1243 W. Wood St., Decatur, Ill. 136 W. Grand Ave., Beloit, Wis. 6612 Lowe Ave., Chicago, Ill. 774 S. Grant St., Denver, Colo. 5038 Maple Ave., St. Louis, Mo. 2658 W. 39th Pl., Chicago, Ill. 635 31st St., Milwaukee, Wis. Monticello, Iowa 1323 W. 7th St., Waterloo, Iowa Casselton, N. Dak. Independence, Iowa	Kw
9FD 9LX	Lawson, Parryn R	Upper Falls Rd. Shahovgan Wis	(
EC	Labo Robert R	1306 Main St., Richmond, Ind	1
KC	Lee, David R.	933 Galt Ave., Chicago, Ill.	i
9KC 9NQ	Leininger, Clarence W	2119 N. Tripp Ave., Chicago, Ill	
9RO	Lethen, Edward	4312 Greenview Ave., Chicago, Ill	
9ADM	Le Vine, George L	801 W. 7th St., Des Moines, Iowa	
9AAQ 9JC	Lewis, Hubert	5100 Easton Ave., St. Louis, Mo	1
PAII	Line Corodon C	1242 W Wood St. Decetur III	,
9A0	Linman, Theodore E. I.	136 W. Grand Ave., Beloit, Wis.	
9LE	Lisle, Waldo E	6612 Lowe Ave., Chicago, Ill	
9TH 9VE	Liston, Earl. Littmann, Edwin R. Lloyd, Norman W Lobas, John W Locher, Leo. Lockwood, Charles E	774 S. Grant St., Denver, Colo	
9VE	Littmann, Edwin R	5038 Maple Ave., St. Louis, Mo	
9IJ 9G K	Lobes John W	625 21et St Milwankaa Wie	
9DV	Locher, Leo	Monticello, Iowa	
9QF	Lockwood, Charles E	1323 W. 7th St., Waterloo, Iowa	
9AID	Lockhart, Ashton	Casselton, N. Dak	
9IN	Locke, Melvin W	Independence, Iowa	
9AX 9UC	Loosen, irving R	127 Griffin Ave. Somercet Kv	
9SI	Lowe, Maredith B	2347 N. Delaware St., Indianapolis, Ind.	
9BX	Lutz, Clarence W. A	438 S. Quincy Ave., Kansas City, Mo	
9AIM	Mackley, Harry A	420 Dechman Ave., Peoria, Ill	
9ADK	Lockhart, Ashton Locke, Melvin W. Loosen, Irving R. Loveless, Harry L. Lowe, Meredith B. Lutz, Clarence W. A. Mackley, Harry A. MacMillan, Charles W. Malbucher, Fred J. Mallarian, Gregory Malott, Alfred F. Mann, Harold L. Markowski, Edward T. Mase, Harold E. Marshall, George.	Casselton, N. Dak. Independence, Iowa 2009 Olive St., Kansas City, Mo 137 Griffin Ave., Somerset, Ky. 2347 N. Delaware St., Indianapolis, Ind. 438 S. Quincy Ave., Kansas City, Mo. 420 Dechman Ave., Peoría, Ill. 635 Vine St., Denver, Colo. 2623 Indianapolis Ave., Indianapolis, Ind. 301 S. 13th St., Fargo, N. Dak. 945 W. 30th St., Indianapolis, Ind. 1120 Smith St., Burlington, Iowa. 1468 N. Ashland Ave., Chicago, Ill. 3335 Hennepin Ave., Minneapolis, Minn. 2045 S. Lawrence Ave., Wichita, Kans.	
9RN	Malbucher, Fred J	201 S 12th St. Forgo, N. Dol:	
9G P 9D W	Malatt Alfred F	945 W 30th St. Indiananolis Ind	
9Q P	Mann, Harold L	1120 Smith St., Burlington, Iowa	
9KA	Markowski, Edward T	1468 N. Ashland Ave., Chicago, Ill	
9AHD	Mase, Harold E	3335 Hennepin Ave., Minneapolis Minn	
9AER	Marshall, George	3335 Hennepin Ave., minneapons Minn. 2045 S. Lawrence Ave., Wichita, Kans. 2015 Gaines St., Davenport, Iowa. 9 N. Chicago St., Rossville, Ill.	
9 A G	Martens, Hugo	Q N Chicago St. Rossvilla Ill	
9LZ 9VQ	Marshall, George. Martens, Hugo Mason, Francis M., jr. Mason, Leroy E. Masters, Raymond. Mathauser, James J. Mathews, Ralph H. G. Mathias, Russell E.	9 N. Chicago St., Rossi nie, ili Alden, Minn 2406 Wabash Ave., Kansas City, Mo. 1943 W. Garfield Blyd., Chicago, Ill. 1316 Carmen Ave., Chicago, Ill. 2509 Bellefontaine St., Indianapolis, Ind. Onawa, Iowa. Glen Ellyn. Ill.	
9RT	Masters, Raymond	2406 Wabash Ave., Kansas City, Mo	
9RE	Mathauser, James J	1943 W. Garfield Blyd., Chicago, Ill	
91 K	Mathews, Ralph H. G	1316 Carmen Ave., Chicago, III	
9KK	Mathias, Russell E	Opera Lowe Lowe	
9AAZ 9AAJ	Mathison Michael C	Glen Ellyn, Ill	
9AEY	Matzinger, Philip F	1956 W. 94th St., Chicago, Ill	
9CO 9PJ	Maupin, Ross T	Onawa, towa Glen Ellyn, Ill 1956 W. 94th St., Chicago, Ill. 2436 Indiana St., Kansas City, Mo. Le Roy, Minn Milton, Wis.	
9PJ	Maxfield, David C	Le Roy, Minn	
9SP	Mathias, Russell E. Mathiasen, Carl A. Mathison, Michael C. Matzinger, Philip F. Maupin, Ross T. Maxñeld, David C. Maxson, Rolland and Charles S.	Milton, Wis	
HIIP			
9UH 9PO	May, De Witt W	3021 Hoagland Ave., Ft. Wayne, Ind	
9MN	Maynard, P. Neff	208 W. 7th St., Boone, Iowa	
9BO	McBride, Ralph M	Tabor, Iowa	
9RR 9RG	McCartney Hugh S	227 F Jefferson St Washington Jows	
9MD	McClintock, William S., ir.	1257 Topeka Ave., Topeka, Kans	1
9RJ	McCoy, James B	3026 N. New Jersey St., Indianapolis, Ind	
9AIR	McCune, George H	1445 N. Edward St., Decatur, Ill.	
9ADZ	McDonald, Edgar J	5526 Lakewood Ave., Chicago, III	
9AE 9AC	McGee, Paul J	4418 Wabach Ava Chicago III	
9RY	McGuire, Donald D.	Public School Bldg., Aurora, Ill	
9GÊ	McKee, Myron J	2213 N. New Jersey St., Indianapolis, Ind	
9OT	McKee, Charles R	203 N. 2d St., Atchison, Kans	
9WP	McKeever, Thomas	1703 W. 104th Pl., Chicago, III	
9ER	McNeill Malcom P	1310 Manla Ava. Evanston III	
9EO	McQuilkin Joseph R	1815 N. 6th St., Sheboygan, Wis	1
9ACK 9KG	Melcher, John M	Wautoma, Wis	
9ADD 9VV	Meldrum, George E	Carrollton, Ill	
9VV	Messerly, Henry	Staunton, Ill	
9AGK	Messing, Marvin M	1100 St. Clair Ave. Fost St. Louis Mo.	
9QZ 9RS	Mayer Walter A	1832 N. 13th St., Shebovgan, Wis	
9MC	Michaels, John J	3021 Hoagland Ave., Ft. Wayne, Ind. Buckingham Annex, St. Louis, Mo. 208 W. 7th St., Boone, Iowa. Tabor, Iowa. Crystal Lake, Ill. 227 E. Jefferson St., Washington, Iowa. 1257 Topeka Ave., Topeka, Kans. 3026 N. New Jersey St., Indianapolis, Ind. 1445 N. Edward St., Decatur, Ill. 5526 Lakewood Ave., Chicago, Ill. 2609 Richmond Ave., Mattoon, Ill. 4418 Wabash Ave., Chicago, Ill. Public School Bldg., Aurora, Ill. 2213 N. New Jersey St., Indianapolis, Ind. 203 N. 2d St., Atchison, Kans. 1703 W. 104th Pl., Chicago, Ill. 1717 S. Jefferson Ave., St. Louis, Mo. 1310 Maple Ave., Evanston, Ill. 1815 N. 6th St., Sheboygan, Wis. Wautoma, Wis. Carrollton, Ill. 27 Shaffer St., Freeport, Ill. 1109 St. Clair Ave., East St. Louis, Mo. 1332 N. 13th St., Sheboygan, Wis. 1352 Komensky St., Chicago, Ill. 217-219 E. St. Paul St., Spring Valley, Ill. 2856 N. Rae'ine Ave., Chicago, Ill.	1
9AIZ	Miller, Carmi E	217-219 E. St. Paul St., Spring Valley, Ill	
9AEK	Miller, Charles, jr	2856 N. Racine Ave., Chicago, Ill	

NINTH DISTRICT-Continued.

Call gnal.	Owner of station.	Location of station.	Power	
	7.1		Kw.	
I R	Miller, Harry F	1024 E. 14th St., Davenport, Iowa. 670 Rush St., Chicago, Ill. Osceola, Ind. 317 S. Franklin St., Decatur, Ill. 2815 Clyburn St., Milwaukee, Wis. 661 Grand Ave., St. Paul, Minn. 2833 Fouler Ave. Ompha Nebr	1.	
KR VJ	Miller, John F	670 Rush St., Chicago, Ill.	1.	
V.J		Osceola, Ind		
FH TN	Millspaugh, Charles H., jr. Mirgeler, Robert J. Moen, Vere M. Mole, Harry H. Moore, William M. Moreland, Henry F. Morgan, Berwyn E. Morrison, Francis S.	2815 Cluburn St. Wilwankes Wie		
T.D	Moen Vere M	661 Grand Ava St Paul Minn	1.	
D AAV MH	Mole, Harry H	2853 Fowler Ave., Omaha, Nebr		
H	Moore, William M	2853 Fowler Ave., Omaha, Nebr		
FW	Moreland, Henry F	1000 Washington Ave., Cairo, Ill	1.	
G8	Morgan, Berwyn E	1000 Washington Ave., Cairo, III. 506 E. Cherry St., Watseka, III. 1378 S. Lincoln St., Denver, Colo.		
WW	Morrison, Francis S. Morshead, John S. Morton, Charles E. Morton, Clyde E.	1376 S. Lincoln St., Denver, Colo		
ΓΙ AIH .	Morton Charles E	520 Schwarte St. Edwardwille III		
AJD	Morton, Clyde E	341 S. Lawn Ave. Kansas City. Mo	1	
NK	MOSS, PTRIDIC IN	1021 S. York St., Denver, Colo.	1	
EE	Mueller Clarence	2121 N Sawyer Ave Chicago III		
BJ BE	Munchhof, Leo G. Myers, Delbert Myers, Wilford U. Nattenheimer, Ervin B.	2046 N. New Jersey St., Indianapolis, Ind.		
BE_	Myers, Delbert	Amboy, Ind.		
BU	Myers, Wilford U	209 N. 3d St., Charleston, Mo	1	
BB	Nattennelmer, Ervin B	2222 Northwestern Ave., Newport, Ky		
AH P	Nattenneimer, Ervin B. Neidlinger, Laurence C. Neitz, Paul I. Neil, Edward, Jr. Neil, Raymond B. Neison, Carl II.	Amboy, Ind. 200 N. 3d St., Charleston, Mo 559 Lexington Ave., Newport, Ky. 3322 Northwestern Ave., Indianapolis, Ind. 137 Brainerd St., Naperville, Ill. 2023 Talbott St., Indianapolis, Ind.		
P	Nell. Edward, ir	2023 Talbott St., Indianapolis, Ind.		
IJ	Nell. Raymond B	Clinton, lowa		
RQ	Nelson, Carl II	723 N. 1st St., Fargo, N. Dak		
RQ	Nelson, Carl II Nelson, G. Adolph Nelson, Jee M. Nelson, M. E. Nestlerode, Boyd W. Neumann, Clarence F. Neumann, Adelbert G. Nevling, Lorin I. Newhall, Elwood L. Newlin, Myron. Niswonger, Elbert E. Nolan, Gluv P.	Clinton, Iowa. 723 N. 1st St., Fargo, N. Dak. 5518 W. 8th St., Duluth, Minn. Seward, Nebr. 731 3d St. N., Fargo, N. Dak. 731 Plare St. Slouv City, Lowa		
A DJ	Nelson, Lee M	Seward, Nebr	1	
NEW OG	Nelson, M. E	731 3d St. N., Fargo, N. Dak		
TT.	Nestleroue, Boyd W	701 Pierce St., Sioux City, Iowa 1523 S. Ogden St., Denver, Colo 1616 Wells St., Milwaukee, Wis. 4210 Mallitt Ave., St. Louis, Mo. 2181 Madison Ave. (Covington, Ky 2712 Indianapolis Ave., Indianapolis, Ind. R. F. D. No. 8, Fort Wayne, Ind. SOR Fwing Ave. Kansas City, Mo.	1	
រីវ៉	Neumann Adelbert G	1616 Wells St. Milwankee Wis		
FG	Nevling, Lorin I	4210 Mailitt Ave., St. Louis, Mo.		
FG L	Newhall, Elwood L	2181 Madison Ave., Covington, Ky		
AL W	Newlin, Myron	2712 Indianapolis Ave., Indianapolis, Ind		
w	Niswonger, Elbert E	R. F. D. No. 8, Fort Wayne, Ind		
VВ	Nolan, Guy P	506 Ewing Ave., Kansas City, Mo		
J A RK	Norte, Edward F	2425 Avenue A Council Bluffs Ione	1	
ĸ	Norviel, Herbert D	521 Jackson St. Anderson, Ind		
iô	Novak, Joe J	4031 S. Campbell Ave., Chicago, Ill		
2N	Oberholtz, Edwin F	935 W. 83d Ter., Kansas City, Mo	1	
N F	O'Connell, John B	6218 Ellis Ave., Chicago, Ill		
EG K	Novak, Joe J	1222 W. 30th St., Indianapolis, Ind	1	
K.	Olympia Richard J	Williams Bay, Wis Dok		
8	O'Donnell, Wert Oetjen, Richard J. Olmsted, Randolph F. Olsen, Clarence J. M. Olsen, Winnard G. O'Neil, Donald H. C. Oonk, William J. C. Ort, Henry M. Ostermeier, Cecil H. Osting, Raymond	240 St. John's Court Chicago III	1	
EL V	Olsen Winnard G	1454 Pansacola Ava Chicago III	i	
ĸ	O'Neil, Donald H. C.	5740 Bartmer Ave., St. Louis, Mo		
AF	Oonk, William J. C	2212-A Red Bud Ave., St. Louis, Mo		
T V	Ort, Henry M	3934 Montrose Ave., Chicago, Ill		
ιŽ	Ostermeler, Cecil H	529 W. Jefferson St., Springheid, III		
IB HS	Osting, Raymond Ovrebo, Paul	Anote N Dek		
JP	Paetzold, William H	4202 Farlin Ave. St. Louis Mo.		
V G	Parks, Paul B	339 Ashland Ave. River Forest. III		
ra.	Parnin, Ross	1239 W. Berry St., Ft. Wayne, Ind	1	
Y8	Patterson, Coy V	3528 Windsor Ave., Kansas City, Mo	1	
)B	Parnin, Ross	304 E. North St., Whitewater, Wis	1	
HG	Payne, Howard Pearce, William W., jr Pecha, J. D. Peck, Earle M. Pentland, Robert L.	1201 N. 27th St., Omaha, Nebr		
B	Pearce, William W., Jr	2221 C Avers Ave. Chicago III		
AN W H	Pack Forla M	201 N State St Elgin III	1	
Ĥ	Pentland Robert L.	5225 Woodlawn Ave., Chicago, Ill		
Ö	Perkins, Albert	3946 The Paseo, Kansas City, Mo	1	
RI.	Perkins, Albert	2533 N. Richmond St., Chicago, Ill.	1	
IU	Perry, William N.	825 Lake Ave., Racine, Wis	1	
CI I	Petersen, Howard E	1424 E. 70th St., Chicago, Ill	1	
10 10 10	Perry, William N Petersen, Howard E Petersen, Walter Peterson, Oscar W Pfeiler, Lawrence Pfister, Walter Phelps, Clyde W Phillipps, H. G Phillips, Claude B Phillips, H. Leroy, Pickett, Chester H	506 Ewing Ave, Kansas (IIV, Mo. 4955-A Terry Ave., St. Louis, Mo. 2425 Avenue A, Council Bluffs, Iowa 521 Jackson St., Anderson, Ind. 4031 B. Campbell Ave., Chicago, Ill. 935 W. 33d Ter., Kansas City, Mo. 6218 Ellis Ave., Chicago, Ill. 1222 W. 30th St., Indianapolis, Ind. Williams Bay, Wis. 517 S. 4th St., Grand Forks, N. Dak 349 St. John's Court, Chicago, Ill. 1454 Pensacola Ave., Chicago, Ill. 1454 Pensacola Ave., Chicago, Ill. 5740 Bartmer Ave., St. Louis, Mo. 3934 Montrose Ave., Chicago, Ill. 5212-A Red Bud Ave., St. Louis, Mo. 3934 Montrose Ave., Chicago, Ill. 629 W. Jelferson St., Springfield, Ill. 2135 S. New Jersey St., Indianapolis, Ind. Aneta, N. Dak 4202 Farlin Ave., St. Louis, Mo. 339 Ashland Ave., River Forest, Ill. 2139 W. Berry St., Ft. Wayne, Ind. 3528 Windsor Ave., Kansas City, Mo. 304 E. North St., Whitewater, Wis. 1201 N. 27th St., Omaha, Nebr. 533 Steele Court, Waukegan, Ill. 2331 S. Avers Ave., Chicago, Ill. 825 Luke Ave., Racine, Wis. 1424 E. 70th St., Chicago, Ill. 825 Luke Ave., Racine, Wis. 1424 E. 70th St., Chicago, Ill. 825 Luke Ave., Racine, Wis. 1032 Benton St., Rockford, Ill. 210 Sheridan Rd., Hubbard Woods, Ill. 120 Sheridan Rd., Hubbard Woods, Ill. 120 Sheridan Rd., Hubbard Woods, Ill. 120 Maple Ave., Waukesha, Wis.		
1 W	Peterson, Oscar W	705 W. Bancroit Ave., Fergus Falls, Minn	1	
BW	Pester Walter	516 Frie Ave Shehovgen Wis	,	
CW	Pholos Clyde W	1032 Renton St. Rockford III	1	
ACW NX NC	Phillipps H. G	240 Sheridan Rd., Hubbard Woods, Ill.	î	
THE I	Dhilling Claude D	Lucca N Dak		
AFR				

NINTH DISTRICT-Continued.

Call signal.	Owner of station.	Location of station.	Powe
EV	Planel Maron D	4546 N. Sooley Ave. Chicago III	Ku
čč	Pierson, Martin	Williams Ray Wis	'
ČĆ P Y	Pierson, Stuart W	214 Maple Ave., Carrollton, Ill.	1
ĦŪ	Pilgram, George W. and John		
οL	Plank, George A., jr		1
LL GT	Pollard Lynn	2444 N. Alabama St., Indianapolis, Ind	
Ŷ	Pope, Franklin R	675 Greenwood Ave., Glencoe, III	ì
TY D		402 N. 61st St., Chicago, Ill	1
JR	Powers, Milton A	602 Cudahy Ave., Cudahy, Wis	1
HD	Principle School	St Louis Mo	1
HN	Preuss, Arthur C	212 E. 9th St., Newport, Ky	
NB	Price, Gerald	4402 Greenwood Ave., Chicago, Ill	
M	Putz, Anton E	703 25th St., Milwaukee, Wis	
OU CS	Pye, Harold	935 N. Trumbull Ave., Chicago, Ill	45
ਸ	Rengon Richard R	628 W Macon St Decetur III	1
Ď CD	Rathert, Will P	316 W. 5th Ave., Cresco, Iowa.	1
В	Rawson, A. Cummins	2500 Grand Ave., Des Moines, Iowa	
Ç	Read, Harry	728 Chestnut St., Grand Forks, N. Dak	
GJ	Rees John C	1314 Cader St. La Mars Idea	1
70	Poliard, Lynn. Pope, Franklin R. Porwancher, Samuel Powers, Milton A. Prahl, Louis Principia School. Preuss, Arthur C. Price, Gerald Putz, Anton E. Pye, Harold. Ragan, Tate V. Ranson, Richard R. Rathert, Will P. Rawson, A. Cummins Reed, Harry. Reeder, Vera K. Rees, John C. Rehm, Ralph E. Reichenecker, Frank N. Reinhardt, William Reynolds, William D. Jr. Rhea, Robin E.	602 Cudahy Ave., Cudahy, Wis. 603 10th Ave., Milwaukee, Wis. 81. Louis, Mo. 212 E. 9th St., Newport, Ky. 402 Greenwood Ave., Chicago, Ill. 703 25th St., Milwaukee, Wis. 235 N. Trumbull Ave., Chicago, Ill. 236 W. Macon St., Decatur, Ill. 316 W. 5th Ave., Cresco, Iowa. 2500 Grand Ave., Des Moines, Iowa. 2500 Grand Ave., Des Moines, Iowa. 2703 Highland Pl., Indianapolis, Ind. 1314 Cedar St., Le Mars, Iowa. 1102 N. 3d St., Kansas City, Kans. 543 Everett Ave., Kansas City, Kans. 543 Everett Ave., Kansas City, Kans. 3312 Larimore St., Omaha, Nebr. 3811 S. 10th Ave., Minneapolis, Minn. 111 Indianola Rd., Des Moines, Iowa. 2708 Ames Ave., Omaha, Nebr. 2709 Ames Ave., Comaha, Nebr. 2710 Blackstone Ave., Chicago, Ill. 272 South St., Lawrence, Kans. 4424 St. John St., Kansas City, Mo. 2748 N. 22d St., Kansas City, Kans. 1130 Wisconsin St., Racine, Wis. 5921 Winthrop Ave., Chicago, Ill. 2718 No. 22d St., Kansas City, Kans. 1130 Wisconsin St., Racine, Wis. 5921 Winthrop Ave., Chicago, Ill. 2718 No. 22d St., Kansas City, Kans. 1130 Wisconsin St., Racine, Wis. 5921 Winthrop Ave., Chicago, Ill. 2719 Nohn Ave., Superior, Wis. 2748 N. 22d St., Minneapolis, Minn. 5701 Clemens Ave., St. Louis, Mo. Casey, Iowa. Flat Rock, Mich.	
W.	Reichenecker, Frank N	543 Everett Ave., Kansas City, Kans	
3 W	Reinhardt, William	3312 Larimore St., Omaha, Nebr	
MH	Reynolds, William D., jr	3811 B. 10th Ave., Minneapolis, Minn	
BQ AEQ	Rhea, Robin E	2508 Ames Ava. Omaha. Nahr	
OV VW BR	Richardson, David W	5711 Blackstone Ave., Chicago, Ill	
/W	Riedy, Walter L	237 South St., Houghton, Mich	
R	Riggs, H. C	845 Kentucky St., Lawrence, Kans	
JE Je	Ritter William H	2748 N. 22d St. Kansas City, Mo.	
NE NB ND	Rhea, Robin E Richards, John Richardson, David W Riedy, Walter L Riggs, H. C. Riley, Wilson M Ritter, William H Roberts, Mason C Rock, Burnham S Roe, Vancil V Roth, Henry, Jr Roth, John Russchau, Harry R Rufsvold, Arnold 8 Russell, Wolfert D Rutt, Burnlee L Ruzek, Oscar E Salisbury, Hubbard H	1130 Wisconsin St., Racine, Wis	
w	Rock, Burnham 8	5921 Winthrop Ave., Chicago, Ill	1
DX IR	Roe, Vancil V	Pillsbury Academy, Owatonna, Minn	
T	Roth John	1827 John Ave. Superior Wis	
Ť.	Rueschau, Harry R	3748 Clifton Ava., Chicago, Ill	+
LDI	Rufsvold, Arnold 8	3216 16th Ave. S., Minnespolis, Minn	
AE	Russell, Wolfert D	Coser Town	
8 V	Ruzek, Oscar E	Flat Rock Mich	1
T	Salisbury, Hubbard H	1703 Banks Ave., Superior, Wis	1
RL	Saltmarsh, Eugene P	1215 Newman St., Indianapolis, Ind	
)P XV	Salisbury, Hubbard H. Saltmarsh, Eugene P. Sandifer, Robert P.	Casey, Iowa. Flat Rock, Mich. 1703 Banks Ave., Superior, Wis. 1215 Newman St., Indianapolis, Ind 325 N. Atchison St., El Dorado, Kans. 809 N. Temple Ave., Indianapolis, Ind 1410 N. Delaware St., Indianapolis, Ind	
T	Schaf, J. Charles ir	1410 N. Delaware St., Indianapolis, Ind	1
HO	Schalkhausser, Erich G	Sterling, Nebr	
(X	Schiller, Roy	1216 Hammond Ave., Superior, Wis	1 . 7
EF	Santer, Robert F Saner, August Schaf, J. Charles, jr Schalkhausser, Erich G Schiller, Roy Schlegel, Alfred Schowalter, Elmer R Schmidt, Otto G Schoenwolf Fred I. H	809 N. Temple Ave., Indianapolis, Ind. 1410 N. Delaware St., Indianapolis, Ind. Sterling, Nebr. 1216 Hammond Ave., Superior, Wis. 222 S. Francis St., South Bend, Ind. Moundredge, Kans. 1310 Emmet St., Omaha, Nebr. 1917 Warner Ave., Chicago, Ill. 517 Washington Court, Shebovgan, Wis. R. F. D. No. 6, Rockingham, Iowa. 932 Spaight St., Madison, Wis. 07egon, Mo. 2864 Ames Ave., Omaha, Nebr. 2428 Bellefontaine St., Indianapolis, Ind. 227 Park Ave., Kokomo, Ind. 1111 S. 18th St., Shebovgan, Wis. 734 Christiana Ave., Chicago, Ill. 1322 Bayard Ave., St. Louis, Mo. 4355 N. Ashland Ave., Chicago, Ill. 131 Hyland Ave., Ames, Iowa. 2828 Astor St., Milwaukee, Wis. 2828 Astor St., Milwaukee, Wis. 2820 W. Fairfield Ave., Chicago, Ill. 2860 Sutton Ave., Maplewood, Mo. 316 N. West St., St. John, Kans. 393 Cemero St., St. Scine, Wis. 433 S. Warman Ave., Indianapolis, Ind.	-
E E	Schmidt. Otto G	4310 Emmet St., Omaha, Nebr.	1
JN	Schoenwolf, Fred L. H	1917 Warner Ave., Chicago, Ill	
38	Schrage, Charles T	517 Washington Court, Sheboygan, Wis	- 1
R	Schricker, J. Raymond	R. F. D. No. 6, Rockingham, Iowa	34
Z FC	Schulte. Herman	Oregon Mo	1.45
XX	Schulze, A. N.	2864 Ames Ave., Omaha, Nebr	
XX XW	Scott, M. Vernon	2428 Bellefontaine St., Indianapolis, Ind	1
3 Y	Scoven, Paul	327 Park Ave., Kokomo, Ind	
VH DZ	Seeman Walter A	734 Christiana Ava. Chicago Ill	-
DZ DN	Sears, Charles L	1322 Bayard Ave., St. Louis, Mo	1.
SU .	Seese, Thomas G	4355 N. Ashland Ave., Chicago, Ill	1.7
T	Seis, Hollis K	131 Hyland Ave., Ames, lows	17
GR 00	Semmelmeyer Harbert	2629 W. Fairfield Ave. Chicago III	1
žΗ	Sever, Harold C	Pleasant Plains, Ill	
ACE	Shanks, Charles E	2660 Sutton Ave., Maplewood, Mo	1
BG	Shepherd, Don I	316 N. West St., St. John, Kans	1
ABO MT	Shiel Merrill	433 S. Warman Ave. Indiananolis Ind	125
AAS	Caron, and all	no or a minor react victorian pount massessessessesses	Nad'

NINTH DISTRICT-Continued.

Call ignal.	Owner of station.	Location of station.	l'owe
			Ku
EF	Shotwell, Harold H. Shriner, Ralph L. Siegert, Walter Simms, Liucoln J.	446 61st Pl., Chicago, Ill. 4236 Juniata St., St. Louis, Mo. 1250 W. 97th Pl., Chicago, Ill. 318 Locust St., Elgin, Ill. 3161 Kenwood Ave., Indianapolis, Ind. 4235 Lindell Blvd., St. Louis, Mo.	n u
AGI	Shriner, Ralph L	4236 Juniata St., St. Louis, Mo.	
AGI VA	Siegert, Walter	1250 W. 97th Pl., Chicago, Ill.	
EY	Simms, Lincoln J	318 Locust St., Elgin, III	1
IY	Singleton, Paul G	3161 Kenwood Ave., Indianapolis, Ind	_
AQ	Singleton, Paul G Skrainka, Walter and Nich-	4235 Lindell Blvd., St. Louis, Mo	
	olas.		
AAD	Slentz, Daniel R	305 Douglas St., Fort Wayne, Ind	1
IX UN	Smith, H. Merrill	4454 W. Monroe St., Chicago, Ill	
UN	Smith, Joe L	109 N. Highland St., Chanute, Kans	
MA	Smith, Lester M	Salem, Wis. Salem, Wis.	
AIT	Smith, Nathaniel C	912 N. Glen Oak Ave., Peoria, III	
ABG	Smith, Noble	1329 Brook St., Louisville, Ky	
BR			
WW	Smith, Raymond L.	3005 Fullon St., Chicago, III]]
WM	Smith, Stanley	3005 Fulton St., Chicago, III. 1552 E. 61st St., Chicago, III. 13 Eastover Park, Louisville, Ky. 219 Rome Ave., Rockford, III.	1
IM	Omith Wilson C	21/4 Power Ave. Dockford III	1
FX VZ	Opposite I D	1202 W 524 St. Chicago III	
MHA	Snoke Kenneth F	1302 W. 52d St., Chicago, Ill.	1
IK	Snarski, J. P. Snoke, Kenneth F. Snyder, William O. Sommer, James M.	511 F. 16th St., Davenport, Iowa. Sweet Springs, Mo. 2538 N. Talbott Ave., Indianapolis, Ind.	
II	Sommer James M	2538 N. Talbott Ave. Indiagapolis, Ind.	
AD8	Spalding, John G.	1328 Brook St., Louisville, Kv.	
EI	Spanjol, John T	1324 Harrison St., Superior, Wis	
LT	Spalding, John G. Spaniol, John T. Sparks, Charles H.	5431 Bartmer St., St. Louis, Mo	
AIG			
LJ	Spickerman, Francis H. Spencer, Alvin C. Spencer, Earle W. Spencer, Levi. Sprackling, George A. Stang, Ray E. Stanley, Charles A. Stowart, Lawrence W. St. Cyr, Albert. Stelnbarg, Alfred F.	Magnolia, Ill	
QQ KP	Spencer, Earle W	600 Wing ield St., Anoka, Minn	1
KP	Spencer, Levi	Gilman, Ill	i
AFI	Sprackling, George A	602 Milwaukee Ave., Janesville, Wis	
PE_	Stang, Ray E	1305 Main St., Le Mars, Iowa	
ADP	Stanley, Charles A	1416 N. Hillside Ave., Wichita, Kans	
HX	Stewart, Lawrence W	211 Hicks Ave., Columbia, Mo	1
HK	St. Cyr, Albert	211 Hicks Ave., Columbia, Mo. 319 Harrison St., Marquette, Mich. 913 35th St., Milwaukee, Wis 2032 N. 7th St., Sheboygan, Wis. 6804 Hurlbut Ave., Chicago, Ill.	
SX	Steinberg, Alfred F. Stevens, Kenneth Stevers, Harold D. Stone, Francis E.	933 35th St., Milwaukee, Wis	
HP	Stevens, Kenneth	cont Humburt Are Chicago III	
OX RZ	Stevers, narold D	1 Marinut Ave., Chicago, III. 801 Harrison St., Topeka, Kans. 717 Douglas Ave., Elgin, III. 5129 Harper Ave., Chicago, III. Marengo, Iowa.	
AA	Stone, Francis E. Stone, Richard G. Stone, J. McW. Stover, Peter A. Strock, Reeve O. Struver, Harold W. Sutcliffe, Ewart L.	717 Douglas Ava Elgin III	
LĤ	Stone I McW	5129 Harner Ave. Chicago III	
I.P	Stover Peter A	Marengo Iowa	
LP UY	Strock Reeve O.	Polo, III	
WJ	Struver, Harold W	Polo, III. 1218 Lafayette St., Ft. Wayne, Ind	
SL	Sutcliffe, Ewart L.	308 Kearsarge St., Laurium, Mich	
DG		1411 Harrison St., Topeka, Kans	
AFM	Swain, Raymond E	2828 Highland Pl., Indianapolis, Ind	
ID	Swain, Raymond E Swanson, Carl S	7110 Cottage Grove Ave., Chicago, Ill	
AFN	Swanson, Martin. Tafel Electric Co., Inc., II. C.	1900 Western Ave., Minneapolis, Minn	
CB	Tafel Electric Co., Inc., H. C.	236 W. Jefferson St., Louisville, Ky	
IH	Talbott, Edward	1114 W. 34th St., Indianapolis, Ind	
PZ	Tallentire, Thomas	1218 Lafayette St., Ft. Wayne, Ind. 308 Kearsarge St., Laurium, Mich. 1411 Harrison St., Topeka, Kans. 2828 Highland Pl., Indianapolis, Ind. 7110 Cottage Grove Ave., Chicago, Ill. 1900 Western Ave., Minneapolis, Minn. 236 W. Jefferson St., Louisville, Ky. 1114 W. 34th St., Indianapolis, Ind. 458 Foote Ave., Bellevue, Ky.	1
HJ	Taylor, Porrest	Monroeville, Ind	
GB	Taylor, Forrest. Taylor, Wm. B., jr. Taynton, Mark.	6038 Kenmore Ave., Chicago, Ill	
FN	Teal, Paul H	High School Davils Lake N Dal	
LG JV	Testor Many O	Hagaretown Ind	
HQ	Tarry Owan R	202 Prospect Ave., Stoughton, Wis	
AIH	Teetor, Macy O Terry, Owen R Terry, James W	520 Schwartz St., Edwardsville, Ill	
QV	Thacher, Safford D. Thielens, Wagner P. The David Ranken, jr. School of Mechanical	High School, Devils Lake, N. Dak Hagerstown, Ind. 202 Prospect Ave., Stoughton, Wis. 520 Schwartz St., Edwardsville, Ill. 310 Polk St., Topeka, Kans. Y. M. C. A. Bldg., South Bend, Ind.	
ON	Thielens, Wagner P	Y. M. C. A. Bldg., South Bend. Ind.	
ED	The David Ranken, ir		
	School of Mechanical		
	Trades	4420 Cook Ave., St. Louis, Mo	
AM	Theisen, l'eter J	3413 Meade St., Denver, Colo	
WK RU	Trades. Theisen, Peter J. Thomas, Carroll W. Thomas, Herschel. Thomas, Martin N.	746 16th St., Milwaukee, Wis	
RU	Thomas, Herschel	R. F. D. No. 15, Amboy, Ind	
OR	Thomas, Martin N	3019 Locust St., St. Joseph, Mo	
BM	Throop, Fred I	Gilman, III	
T8	Throop, Fred I. Tinling, Ted R. G. Todd, J. Richard. Todd, Leonard.	R. F. D. No. 15, Amboy, Ind. 3019 Locust St., St. Joseph, Mo. Gilman, Ill. 6042 Kenwood Ave., Chicago, Ill.	
AAW	Todd, J. Richard	Louisville, Ill.	
ABK	Todd, Leonard	2269-A Red Bud Ave., St. Louis, Mo. R. F. D. No. 1, Ellsworth, Wis	
EB	Tomann, Orville R	902 2d Ava Maywood III	
BK	Teonska Anthony	Neidringhouse Ridg. Granite City. Ill	
JW	Trump Robert K	No. 1 Ave., Maywood, Ill. Neidringhouse Bidg., Granite City, Ill. 1254 Van Buren St., Topeka, Kans. 111 N. Topping Ave., Kansas City, Mo.	1 1
	A CHARLES ASSOCIATE AN	Litt M. Marriag Assa Managa City Ma	1

NINTH DISTRICT-Continued.

Call signal.	Owner of station.	Location of station.	Power.
			Kw.
9QK	Tuckerman, Gustavus, jr	5851 Pennsylvania Ave., St. Louis, Mo	0. 5
9TR	Turner, Orville H	5851 Pennsylvania Ave., St. Louis, Mo	1 4
9EW	Vander Veer, Guy E Van Hook, Valens Van Slyck, Wellington	1246 W. Randolph St., Chicago, Ill	
9SM	Van Hook, Valens	127 Clay St., Topeka, Kans	
9BV	Van Slyck, Wellington	Odesse Me. Lake Geneva, Wis	
9AEE 9QY	Varner, Lindsay I	1246 W. Randolph St., Chicago, Ill. 127 Clay St., Topeka, Kans. 836 Main St., Lake Geneva, Wis. Odessa, Mo 622 N. Rural St., Indianapolis, Ind. 909 Wall St., Milwaukee, Wis.	
90F	Vehling, Robert Vollmar, Harold V	909 Wall St., Milwankee, Wis	
9PP	Voss, Lucien L		
9AIB	Wahn, Harry	4946 N. Hoyne Ave., Chicago, Ill	
9GO	Wagner, William D Wales, Frank S	123 W. 4th St., Duluth, Minn	
9ES	Wales, Frank S	Polo, Ill. 1716 S. 20th St., St. Joseph, Mo	1.
9FA	Walker, Lloyd A	Prush Colo	
9ADR 9AY	Wallace, William A Word, Lloyd S Wareing, Thomas. Warner, Kenneth H.	1227 Chastnut St. Rockford III	1.0
9AEX	Wareing, Thomas	2615 Seminary Ave., Chicago, Ill	-
9JT	Warner, Kenneth H	402 Washington Ave., Cairo, Ill	
9CU	Watkins, Edwin S Watson, Noble B	5245 Magnolia Ave., Chicago, Ill	1.
9J A	Watson, Noble B	Brush, Colo. 1227 Chestnut St., Rockford, Ill. 2015 Seminary Ave., Chicago, Ill. 402 Washington Ave., Cario, Ill. 5245 Magnolia Ave., Chicago, Ill. 204 N. Hamilton Ave., Indianapolis, Ind.	1.0
9DO	Weber, Anthony L	1002 11 110110 11 10., Chicopo, Am	
9GL	Weber, John O	646 31st St., Des Moines, Iowa. 631 W. Prairie Ave., Decatur, Ill.	
9PL 9SK	Weilepp, Paul F	403 W. 42d St., Des Moines, Iowa	1.
95K 9IS	Wendell, Raymond B	908 Clark St., Evanston, Ill.	4.
9AAB	West Paul H	631 Harrison St., Garv. Ind.	1.0
9QC	Wheeler, Ted R	631 Harrison St., Gary, Ind. 1729 Quindaro Blvd., Kansas City, Kans.	1.0
9LB	Whipple, Arthur F	1040 N. Leclaire Ave., Chicago, Ill	-
9ADU	Whitaker, Ralph S	1040 N. Leclaire Ave., Chicago, III. 1825 S. Washington St., Denver, Colo	1.0
9AFK	Whitcomb, Donald L	406 N. Lawndale St., Kansas City, Mo. 903 Lake St., Columbia, Mo. 1523 Jackson St., Sioux City, Jowa. 737 Waverly Ave., Kansas City, Kans. 27 N. Anderson St., Aurora, Ill.	1.0
9HB	White, Elliott A	1502 Incheon St. Siony City Jows	1.0
9JH	White, H. S. M	737 Wayarly Ava Kansas City, Iowa	1.
9G Q 9U A	Wigton Theron W	27 N. Anderson St., Aurora, Ill.	
9IE	Wilcox, Charles W	427 S. Brighton St., Kansas City, Mo	
9PU	Wilhelmy, Lino M	418 S. Main St., Decatur, Ill. 415 W. Park Ave., Angola, Ind	
9KH	Wilcox Leo B	415 W. Park Ave., Angola, Ind	
9FF	Wilkerson, Wilbur P	1424 N. 29th St., Kansas City, Kans.	1.
9AHR	Wilkerson, Wilbur P. Williams, Ashley. Williams, Creah V.	FOR N. Emporio Ava. Wichita Kans	1.
9AGT 9JP	Williams Harold S	707 Garden St. Kenosha, Wis	1.
9PN	Williams, Harold S	515 Central St., Chanute, Kans	1.
98Y	Williams, Morton B	2419 S. Calhoun St., Ft. Wayne, Ind	1.
9RA	Williams, Norman B Willing, William P	115-117 N. Vermillion St., Streator, Ill	1.
9NZ	Willing, William P	610 N. Grove Ave., Oak Park, III	1.
911	Wilshusen, Wilmer L	Stafford, Kans	1.
9EP	Wilson, Guy E	1124 N. 29th St., Kansas City, Kans. 4300 South St., Lincoln, Nebr. 525 N. Emporia Ave., Wichita, Kans. 707 Garden St., Kenosha, Wis. 515 Central St., Chanute, Kans. 2419 S. Calhoun St., Ft. Wayne, Ind. 115-117 N. Vermillion St., Streator, Ill. 610 N. Grove Ave., Oak Park, Ill. Stafford, Kans. 3922 Flora Ave., Kansas City, Mo. 840 De Kalb Ave., Sycamore, Ill.	1.
9NR 9WV	Wireless Trio The See	640 De Kaio Ave., Bycamore, attention	A.
9 W W	Hoffman, Erich A.		
9TP	Witcraft, Wilbur	1941 Thompson Ave., Kansas City, Kans	1.
9ACO	Wittraft, Wilbur		
9US	Woodford, Joe C	411 E. 2d Ave., Oskaloosa, Iowa	
9AR	Woodruff, Ralph T	649 N. 37th St., East St. Louis, Mo	1.
9HS	Woods, William E	4538-A Laciede St., St. Louis, Mo	
9AIU	Wooster Stanley W	5531 Lowe Ave. Chicago, Ill	1.
9CY 9ADN	Wolff, Jerome E. Wooster, Stanley W. Wright, Kenneth E.	649 N. 37th St., E.Sst St. Louis, Mo. 4338-A Laclede St., St. Louis, Mo. 510 W. Iowa St., Urbana, Ill. 5531 Lowe Ave., Chicago, Ill. 855 Grand Ave., Waukegan, Ill. 213 3d St., Cairo, Ill. Sedgewick and Division Sts., Chicago, Ill.	
9QM	Wunderlich, Clarence C	213 3d St., Cairo, Ill	1.
9NL	Wunderlich, Norman	Sedgewick and Division Sts., Chicago, Ill	
9M F	Yeakel, Maynard A	1010, 111	
9VC	Ziegenbein, Ralph W. L	335 Douglas St., Houghton, Mich	1.
9DM	Ziesenis, Harry	700 Mississippi St., Lawrence, Kans	1.
9FY	Zimmerman, Clinton J Zuckerman, Samuel	2119 Spruce St., Boulder, Colo	1.
9AGL 9AIE	Zuelow, Felix	Casselton, N. Dak	
WILL	2401011, 10112		

NINTH DISTRICT-Continued.

ALPHABETICALLY BY CALL SIGNALS.

Call signal.	Owner of station.	Call signal.	Owner of station.	Call signal.	Owner of station.
94.4	Stone, Richard G.	PADT	Hartman, Gilbert &	9AGV	Fiedler, Herbert.
9AAB			Martin.	PAGX	Bean, Mason.
DAAC	West, Pauli H. Carlisle, Lloyd. Slentz, Daniel R. Russell, Wolfert E. Oonk, William J. C. Butler, Leonard.	9A DU	Whitaker, Ralph 8.	DAGY	Brodnax, Lewis M.
PAAD	Duccell Wolfert F	9ADV 9ADW	Joslin, Murray. Hicks, Verner. Roe, Vancil V.	9AGZ 9AH	Engel, Roman.
9AAE 9AAF	Conk William J C	9A DY	Ros Vanell V	DAHA.	Kihistrom, Harry C
PAAG	Butler, Leonard.	9ADX 9ADY	Clapp, Newell.	OUHD.	Gates, George B. Mase, Harold E.
9AAH	Neidlinger, Laurence.	9ADZ	McDonald, Edgar J.	9AHE	Harlin, Paige J.
9AAI	Neidlinger, Laurence. Bruestle, Walter F., jr.	9AE	McGee, Paul J.	9AHG	Harlin, Paige J. Payne, Howard.
9AAJ	Mathison, Michael. Knowles, Ivar A. Newlin, Myron. Clourb, Kendall	9AEA	Benton, Raymond M.	9AHI	Neison, Gustai A.
9AAK 9AAL	Nowice, IVER A.	9AEB 9AEC	Garver, Norman D.	9AHK 9AHM	Drummond, Ralph.
MAAG	Clough, Kendall.	DAED	Landon, Edward B. Larsen, Clifford N. Varner, Lindsay.	9AHN	Snoke, Kenneth F. Principia School.
PAAN	Pechs. J. D.	PAEE	Varner, Lindsay.	OHAG	Schalkhausser, E. C.
OAAQ	Pecha, J. D. Ebert, Arthur.	9AEF	SCHIEGEI, Allred.	9AHR	Williams, Ashley.
9AAP	Duniap, Carroll M.	9A EG	O'Donnell, Wert.	9AHR 9AHS	Ovrebo, Paul.
9A AQ	Lewis, Hubert.	9AEH	Blake, Charles R.	9AHT	Ovrebo, Paul. Glavin, Roland E.
9AAR 9AAT	Venyon Vernon N	9AEI 9AEJ	Ebner, Emil. jr.	9AHU	Buck, Donald N.
PAAU	Barton, Harold. Kenyon, Vernon N. Blasier, Herbert, jr. Mole, Harry H.	DAEK	Hornbeck, Holton.	9AHW	Call, George R.
9AAV	Mole, Harry H.	PAEL	Miller, Leslie F. Olsen, Clarence J. M.	9AI 9ALA	Kaufmann, Elmer. Campbell, Albert.
WAAR		9AEM	Miller, Charles, Jr.	PAIB	Wahn, Harry.
OAAX OAAY	Schulze, A. N.	9AEN	Brewster, Vernon.	9AIC	Bliss, Sidney,
9AAY	Schulze, A. N. Harris, Frank M., jr. Mathiasen, Carl A.	9AEO	Hall, Alfred H.,	OAID	Lockhart, Ashton. Zuelow, Felix. Fawcett, Lester S.
9AAZ 9ABA	Crabb, Thomas G.	9AEP 9AEQ	Dichards John	9AIE 9AIF	Enwest Legter 9
9ABD	l Corwin, Willis.	9A ER	Avery, Norman K. Richards, John. Marshall, George.	PAIG	Spickerman, France
PABE	Button, Bert A. Smith, Noble.	9AE8	Garrett, Halie C.	521.1 G	H
9ABG	Smith, Noble.	9AET	Huff, Fred. 1	9AIH	Morton, C. E. ar Terry, J. W. Lipe, Corodon C.
9ABI_	Honecker, Waiter.	9AEU	Haitz, Fred, jr.		Terry, J. W.
9ABK	Todd, Leonard.	9AEV 9AEW	Coffman, Scott. Nelson, M. E.	9AII	Lipe, Corodon C.
9ABM 9ABN	Kingsland, Le Roy. Deming, Herschel.	9AEX	Wareing, Thomas.	9AIK	Cook, George 8.
PABO	Chanhard Floyd P	9A EY	Mateinger Philip F.	9AIM	Jordan, Jacob. Mackley, Harry A.
9wBR	Baker, Warren C.	9A EZ	Egloff, Edward and Martin.	PAIN	Ferguson, William
9AB8	Baker, Warren C. Frenzel, Oscar F., jr. Fedder, Herman. Myers, Wilford U. Pfeiler, Lawrence.		Martin.	DAIO	Ferree, Frank H. Hunt, Clayton S.
9ABT	Fedder, Herman.	9AF	O'Connell, John B.	9AIP	Hunt, Clayton 8.
9ABU 9ABW	Myers, Willord U.	9AFA 9AFD	Jaroszewicz, Casimir.	9AIQ	Englund, Lawrence
9AC W	Speteman John	9AFE	Krus, Carl.	9AIR 9AIS	McCune, Geo. H. Barber, Orville F. Smith, Nathaniel C Wolff, Jerome. Curtis, David S., jr.
PACA	Spetzman, John. Doerfier, Hilary. Greene, John.	PAFG	Howard, John C. Nevling, Lorin I. Sprackling, George A.	PAIT	Smith, Nathaniel C
9ACA 9ACD	Greene, John.	9AFI	Sprackling, George A.	9AIU	Wolff, Jerome.
9ACE	I Bhanks, Charles E.	9AFK	Whitcomb, Donaid L.	9AIV	Curtis, David 8., jr.
9ACG	Duncan, Wilbur H.	9AFM	Swain, Raymond E. Swanson, Martin.	9AIW	
9ACI	Allen, George M.	9AFN	Harris, Harvey P.	9AIX	Francis, Lyle. Gabbert, Oscar F., Davis, Winfield. Miller, Carmi E.
9ACK 9ACM	Jeffrey Albert E.	9AFO 9AFR	Phillips, Claude B.	PAIY	Davis Winfield
PACN	McQuilkin, Joseph R. Jeffrey, Albert E. Curry, Wilfred N. Wittick, Eugene C.	9AF8	Phillips, Claude B. Busey, Paul G. Blum, Sidney J.	9AIZ	Miller, Carmi E.
9ACO	Wittick, Eugene C.	9AFT	Blum, Sidney J.	9AJ	Neu, Kaymond B.
9ACR	Frank, George. Gooch, Bertram.	9AFU	Clayton, Harold H.	9AJA	Argabrite, Geo. A. Morton, Clyde E.
9ACB	Gooch, Bertram.	9AFW	Bechtold, Joe and	9AJD	Morton, Clyde E.
9ACT 9ACT		9AG	Fred V. Martens, Hugo.	9AJE 9AJG	Kansier, Vic. H.
PACW	Hageman, Edwin. Pfister, Walter.	PAGA	Bornofska, Clarence	PAJI	Kuhl, G. Harris.
9AD	Porwancher, Samuel.		and Elmer.	9AJK	Fischer, A.
9A D A	Franklin, Meurice W.	9AGB	Tylekens, Lucas, jr. Cottrell, Gorham J.	9AJM	Fischer, A. Meth, Charles.
9ADB	Greenwood, George	9AGC	Cottrell, Gorham J.	9AJN	Schoenwolf, Fred L
9ADC	W., jr.	9AGD 9AGE	Banks, Archie E.	9AK	Jumisko, Harold W
9ADD	Erickson, Einer. Meldrum, George E	PAGE	Gamble, Glen A. Canary, Elmer B.	9AL 9AM	Johnson, Arthur. Theisen, Peter J.
PADE	Keller, Carl E.	PAGG	Herrling, Raymond	9AN	Cole, Jirah D., jr.
9ADF	Jarboe, Owen.		1 C.	940	Lipman, Theodore
9ADG	Hughes, Arthur 8.	DAGH	Fenner, Zell G.		K.
PADH	Clark, Donald L.	9A GI	Shriner, Ralph L.	9AP	Kingsley, Raymor
9A DI 9A DJ	Ruísvold, Arnold 8.	9AGJ	Rees, John.	040	C. Walter of
OADK	Nelson, Lee M. MacMillan, Charles W.	9AGK 9AGL	Messing, Marvin M. Zuckerman, Sam.	9AQ	Skrainka, Walter as Nicholas.
9ADL	Bates, Clarence.	9AGM	Knodle, Almon 8.	9AR	Woodruff, Rainh 7
9ADM	Le Vine, George L.	PAGN	Knodle, Almon 8. Brittin, Frank L. Groth, Wm. A.	9A8	Woodruff, Ralph Coodnow, Frank E
9A DN	Wright, Kenneth E.	9AGO	Groth, Wm. A.	9AT	Kueschau, Harry I
9ADO	Bullock, Merlin &	9AGP	Barrett, Paul G.	9AU	Iversen, Reginald J Hamel, Walter H.
9ADP	Gerald.	9AGQ 9AGR	Davis, Herbert.	9AV 9AW	Hamel, Walter H.
9ADQ	Stanley, Charles A. Hecht, Royal H.	9AGR	Seymour, Charles. Becker, Paul McN.	9AW 9AX	Niswonger, Elbert
9ADR	Wallace, William A.	PAGT	Williams, C. V.	9AY	Loosen, Irving R. Ward, Lloyd S.
				A	, www. alley w. D.

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. Nattenheimer, Ervin	9DU	Elliott, Byron K.	9GR	Riggs, H. C.
9BB	Nattenheimer, Ervin	ODV	Elliott, Byron K. Locher, Leo.	9GB	Morgan Rorwan F.
	I K	9DW	Malott, Alfred F.	9GT	Morgan, Berwyn E. Pollard, Lynn.
9BC	Dunlap, Carroll M.	9DX	Deich, Dayton P.	90Û	Clayton, Homer E.
9BD	Keeler, F. W.	9DW 9DX 9DY	Locher, Leo. Majott, Alfred F. Deich, Dayton P. Healy, Kent T. Seaman, Walter A	96V	Coles, Jas. A.
9BD 9BE	Dunlap, Carroll M. Keeler, F. W. Myers, Delbert E.	9DZ	Seaman, Walter A.	9GV 9GW	Rock, Burnham 8
9BF	Heck, Lawrence F.			9GY	Kern, L. Armstrone
9BG	Dhanhand Dan I	9EA	Brattland, Armond	90Z	Rock, Burnham 8. Kern, L. Armstrong. Ihl, G. Sheridan.
9BH	Neitz, Paul I. Craig, Richard A. Munchhof, Leo G. Trier, Paul W. Perl, Raymond H. Throop, Fred I. Flynn, John H., Jr. McBride Ralph M		l D		
9BI	Craig, Richard A.	9EB	Oakley, Robert N. Lebo, Robert B. The David Ranken, jr., School of Me-	9HA	Andrew, Warren. White, Elliott A.
9BJ	Munchhof, Leo G.	9EC	Lebo, Robert B.	9HB	White, Elliott A.
9BK	Trier, Paul W.	9ED	The David Ranken,	9HC	Kerney, Iden M. Prahl, Louis.
9BL	Perl, Raymond H.		jr., School of Me-	9HD	Prahl, Louis.
9BM	Throop, Fred I.		chanical Trades.	9HE	Bergvall, Royal, and W. E.
9BN	Flynn, John H., r.	9EE	Mueller, Clarence.		_W. E.
9BO		9EF	chanical Trades. Mueller, Clarence. Shotwell, Harold H. Dean, Carl W.	9HF	Hatch, J. Hadley. Kistner, Joseph. Bohac, Leonard.
9BP	Holcombe, Ray E.	9EG 9EH	Dean, Carl W.	9HG	Kistner, Joseph.
9BQ	Rhea, Robin E.	VEH.	Hollister, Harold A. Spaniol, John T. Barnett, Lawrence T. French, Newell E.	9HH	Bohac, Leonard.
9B8	Jorgenson, Harold. Baldwin, Edward. Brown, Clarence I	9EI	Spaniol, John T.	9HI	Burchnell, Geo. M. St. Cyr, Albert. Crawford, Robert.
9BT	Baldwin, Edward.	9EJ	Barnett, Lawrence T.	9HK	St. Cyr, Albert.
9BU	Brown, Clarence 17.	9EK	Harmonn Louis C	9HL	Dowle Develor.
9BV	Van Slyck, Welling-	9EL 9EM	Herrmann, Louis G.	9HM 9HN	Davis, Donald W.
ADTI	ton.	9EN	Piches Polph D	9HO	Crowdus, James A. Kossow, Erwin.
9B₩	Reinhardt, Wm. C.	9EO	MaNaill Malcom D	9HP	Stevens. Kenneth.
9BX 9BY	Lutz, Clarence W. A.	OFP	Wilson Cuy F	9HA	Torry Owen D
9BZ	Scoven, Paul.	9EP 9EQ 9ER	Heely Deptel	9HQ 9HR	Terry, Owen R. Baulch, Ernest L. Woods, William E.
*DZ	Goddard, C.	OFF	McLoad Kanneth	9H8	Woods William R
	1	9E8	Ball, George W. Fisher, Ralph D. McNeill, Malcom R. Wilson, Guy E. Heely, Daniel. McLoed, Kenneth. Wales, Frank S. Bramball William	9HT	Gleichman, Walter C
9CA 9CB	Norene, Raymond E. H. C. Tafel Electric	9ET		9ĤÛ	Pilgram, Geo. W. and
9CB	H. C. Taiel Electric Co., Inc.	ÚHQ.	Frech, Lester. Piersol, Myron D. Vander Veer, G. E.		Pilgram, Geo. W. and John C.
	Colnc.	9EU 9EV	Piersol, Myron D.	9HW	Peterson, O. W.
9CC	Pierson, Martin. Moen, Vere M.	9EW 9EX 9EY	Vander Veer, G. E.	9HX	Peterson, O. W. Stewart, Lawrence W
9CC 9CD 9CE	Moen, Vere M.	9EX	Adolfson, George 8.	9HY	Keffer, Allen W.
ACE:	Hansen, Leland H.	9EY	Adolfson, George S. Simms, Lincoln J. Davis, Richard M.	9HZ	Anderson, Ivan H.
9CF	Hall, Harlan R.	9EZ	Davis, Richard M.	J.	
9CF 9CG 9CH	Johnson, Ralph. Grosscup, Harry W. Johnson, August R. Harry, Charles. Abel, Wilson L. Beech, Guy L. Klicpera, Milhart F. Cobb. Marle A.		1.	9IA	Huckett, Edwin.
9CI	Grosscup, Harry W.	9FA	Walker, Loyd A. Pearce, Wm. W., jr. Schulte, Herman. Lawson, Parrvyn R.	91B	Koch, Emerson L
aci aci	Johnson, August R.	9FB	Pearce, Wm. W., ir.	9IC	Greenleaf, S. A. Swanson, Carl S. Wilcox, Charles W.
0CE ₽CO	Abel Wilcon I	9FC	Schulte, Herman	9ID	Swanson, Carl S.
9CK 9CL	Posch Cur I	9FD	Lawson, Parrvyn R.	91 E	Wilcox, Charles W.
OCM	Vicence Wilhart F	9FE		9IF	Core nran D. fr.
9CM 9CN	Cobb, Merle A.	9FF	Wilkerson, Wilbur P.	9IG	Reeder, Vern K.
900		9FG 9FH	Wilkerson, Wilbur P. Dickson, Ward. Millspaugh, Chas. H. Salisbury, Hubbard	9IH	Cole, Jirah D., jr. Reeder, Vern K. Talbott, Edward.
9CO 9CP	Brauch Nicholas	AL II	Milispaugn, Chas. H.	9IJ	
9CQ	Behmer, William	9FI	saisbury, Hubbara	91K	Lloyd, Norman W.
9CTR	Maupin, Ross. Brauch, Nicholas. Behmer, William. Heise, Paul A.	OFF	H. Oction Dichard I	9IL	Mathews, Raiph. Hellwig, Emil C. Smith, Wallace W.
9C8		9FK 9FL	Oetjen, Richard J. Hauck, George. Preuss, Arthur C.	9 <u>IM</u>	Smith Wellers W
9CT 9CU	Brailsford, Harry D. Watkins, Edwin S. Johnston, Roderick E.	OFM	Prouse Arthur C	9IN	Locks, Melvin W
9CU	Watkins, Edwin S.	9FM 9FN	Taynton, Mark.	910	Henry, Albert L.
9CV	Johnston, Roderick E.	9FO	Rehm, Ralph E.	9ÎP	Nell, Edward, ir.
9CV 9CW 9CX 9CY	Heise, Elmer.	9FO 9FP	Fawkes, C. E.	9IP 9IQ	Hellwig, Emil C. Smith, Wallace W. Locke, Melvin W. Henry, Albert L. Nell, Edward, jr. Burr, Ralph H. Schricker, J. Ray
9CX	Haynes, Roy.	9FQ	Fawkes, C. E. Brigham, Neal.	9IR	Schricker, J. Ray
9CY	Haynes, Roy. Wooster, Stanley W.	9FQ 9FR	Heckenkamp, E. B.		
	1	9F8 9FT 9FU	Davideon Tempe	918	Wendell, Raymon
9DA 9DB	Irvin, John A.	9FT	Graves, G. G. LaDuke, Earl R. Aldrich, Clinton P.		B.
ADB	Paust, Lawrence R.	9FU	LaDuke, Earl R.	9IT	Sels, Hollis K.
9DC	Fahrney, Clarence H. Ederer, Lothar A. Jensen, Arnold L.	OTT	Aldrich, Clinton P.	9IU	Tronske, Anthony T Olsen, Winard G.
9DD	Ederer, Lothar A.	9FW	Moreland, Henry F.	9TV	Olsen, Winard G.
9DE	Jensen, Arnold L.	9FW 9FX 9FY	Moreland, Henry F. Smith, Wilson.	9I W	Dennis, Eben R. Smith, H. Merrill. Single D. Paul G.
9DF	Hagedorn, Gubert H.	9FY	Zimmerman, Clinton	9ÎX 9ÎY	Smith, H. Merrill.
9DG	Hilgenberg, Noble C.		J.,	91 Y	Singleton, Paul G.
9DH 9DI	Abronafold W. D	00.4	0	9IZ	Harris, Ralph G.
9DJ	Resolat William A	9GA	Case, Henry W.	07.4	Water Nakla S
9DK	O'Neil Doneld H A	9GB 9GC	Taylor, Wm. B., ir. Read, Harry.	9JA	Watson, Noble B. Erikson, Eben W. Lewis, W. Turnor II.
ani.	Friend Forla M	9GE	Meyes Marry.	ØВ	Erikson, Eben W.
9DL	Hagedorn, Gilbert H. Hilgenberg, Noble C. Blatterman, Headlee. Ahrensfeld, Wm. H. Bessley, William A. O'Neil, Donald H. C. Friend, Earle M. Ziesenis, Harry C.	80.5	Futh Hoster C	alc.	Lowis, W. Turnor II.
9DN	Ziesenis, Harry C. Sears, Charles L.	9GF 9GH	Power Hereld C	9JD	Jorgenson, U. B.
9D0	Waher Anthony I	9GJ	McKee, Myron J. Eyth, Hector G. Sever, Harold C. Levander, Edwin N.	9JE 9JG	Jorgenson, O. B. Baumer, Harry W. Hood, Norman R.
9DP	Weber, Anthony L. Clark, Bayard H.	9GK	Lobes Tors	NG NG	White IT a M.
9DQ	Sutherland, Kenneth	9GL	Lobas, John.	9JI	Sommer Tames M
•	L.	9GN	Weber, John O. Curtis, Chas. D.	9JJ	Alvested Clarence M
9DR	Juvenal, James B.	900	Wagner, William D.	9JK	Snotter William
9D8	Ballantyne, Eln 27.	9GP	Mallarian, Gregory.	9JL	White, H. S. M. Sommer, James M. Alvested, Clarence M Snytler, William O. Keller, Stanley L.
9DT	Schaf, J. Charles.	9GQ	Ristau, Harold.	9JM	Puts, Anton E.

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 8.	9ME	Kimmel, Maurice E. Yeakel, Maynard A. Novak, Joe J. Moore, Wm. McD. Shiel, Merrill.	90Y	Brite Jack A
NO NP NQ NR	Gustaison, Gerald. Williams, Harold S. Finlay, William J. Miller, Harry F.	OMF	Yeskel Maynard A	9ŏż	Fritz, Jack A. Phillips, H. Leroy.
ũĎ	Williams, Harold 8.	9MF 9MG	Novak Joe I		I minus, II. Datoy.
ÑQ.	Finlay, William J.	HMe	Moore, Wm. McD.	9PA	Korthals Albert
WR.	Miller, Harry F.	9MI	Shiel, Merrill.	I 9PB	Korthals, Albert. Hancock, Leverne.
พธ		9MJ		9PC	Carter, George W.
NT	Warner, Kenneth B.	9MK	Giddings, E. H.	9PD	L CARRAGAV (ACII E
ŬŪ	Gisseler, Herman.	9ML	Bement, David L.	9PD 9PE 9PF	Stang, Ray E.
NV.	Warner, Kenneth B. Gisseler, Herman. Teetor, Macy O.	9MM	Giddings, E. H. Bement, David L. Pickett, Chester H. Maynard, P. Neff. Huffman, Verne A. Anderson, Paul D.	9PF	Stang, Ray E. Bolin, Ray E. Bergherm, W. D., and Langen, Geo.
NW	Trump, Robert K.	9MN	Maynard, P. Neff.	9PG	Bergherm, W. D., and
NX	Griffiths, Robert E. Black, Max I.	9MO	Huffman, Verne A.	2077	Langen, Geo.
IJΥ	Black, Max 1.	9MP	Anderson, Paul D. Graham, Albert I.	9PH	I KANSON KICHAPA K
IJZ	Schubert, Clarence.	SMG.	Granam, Albert I.	9PI 9PJ	Finehout, Fred.
OKA	Markowski, Edward	9MQ 9MR 9M8	Roth, Henry, jr. Dier, Stephen.	9PK	Finehout, Fred. Maxfield, David C. Foster, Edwin J.
	_T.	9MT	Neumann, Clarence	9PL	Weilern Paul F
9KB	Forbes, Henry C.		F.	OPW	Weilepp, Paul F. Eick, Ferdinand.
KC KD	I Lee, David K.	9MU	Hess, Merriman.	9PM 9PN	Williams, Harry B.
PKD	Rathert, Will P. Kranzfelder, Leonard	9MV 9MW 9MX	HINGDAY JAMAGU:	I 9PO	May Howard I.
KE	Kisuzieider, reconsid	OMW	Morrison, Francia 8.	9PP	May, Howard L. Voss, Lucien L.
OFF	J. Constate John 4	9MX	Schiller, Roy.	9PQ	Greenless, Burton B.
OKF	Goorisich, John A. Cornish, Clarence F. Wilcox, Leo B.	I YMY	Morrison, Francis 8. Schiller, Roy. Haines, Thorvald L. Evans, Walter C.	9PR	Greenleaf, Burton B. Laidlaw, Robert F.
OKO OKH	Wilson Loo D	9MZ	Evans, Walter C.	9P8 9PT	Gosha, Donald.
oki	Paterson Howard P			9PT	Howland, H. N.
KJ	Petersen, Howard E. Briggs, Walter C.	9NA	Cleaveland, Leroy. Price, Gerald. Phillipps, H. G. Roberts, Mason. Riley, Wilson M. Cottrell, Wm. R. Cramer, Wilbur R. Abercrombie, Julius	9PU	Wilhelmy, L. M.
OKK	Hanricks George	9NB	Price, Gerald.	9PV	Laube, Herbert L. Peck, Earle M.
9KL	Henricks, George. Helms, Elvin E.	9NC	Phillipps, H. G.	9PW	Peck, Earle M.
okm -	Anderson, Oscar L.	9ND	Roberts, Mason.	9PX	Gustafson, C. Hjal
9KN	Burg, Harold E.	9NE	Riley, Wilson M.	9PY	mar.
9KO	Joseph, Jarold.	9NF 9NG	Cottrell, Wm. R.	9PZ	Pierson, Stuart W.
9KO 9KP	Spencer, Levi.	9N G	Cramer, Wilbur R.	9FL	Tallentire, Thomas.
9KQ	Spencer, Levi. Melcher, John M.	9NH	Apercromose, Junus		1
9KR		9NI	1 D.	9QA 9QB 9QC 9QD	Lerson, Lee H.
9 <u>K8</u>	Bennett, Harold.	ONI	Krug, Eugene C.	9QB	Kees, Rossman W.
9KT 9KU	La Plant, G. L.	9NJ 9NK	Brabender, Carl W. Moss, Frank K.	9QC	Wheeler, Ted R. Albach, Henry, ir.
9KU	Burgy, Charles A., jr.	ONL	Schattschneider, Emil	9QD	Albach, Henry, jr.
9KV	Bauer, August.	- AND	G.	. ACC	Hopkins, Stanley W
9KW 9KX	Scott, M. Vernon.	MMe	Glavin Roland E	9QF	Lockwood, Charles E
VE V	Miler, John F. Bennett, Harold. La Plant, G. L. Burgy, Charles A., jr. Sauer, August. Scott, M. Vernon. Mathlas, Russell E. Hartnell, Eugene H. Davis, William R.	9NN	Glavin, Roland E. Deal, Harmon B.	9QQ	Bundy, Howard E.
9KY 9KZ	Davis William B	9NO	Coquilette, Glenn E.	9QH	Brockschmidt, Wes
6 KL	Davis, william K.	9NO 9NQ	Coquilette, Glenn E. Leininger, Clarence. Winchester, Roy H.	9QT	ley E. Beldwin, Harry E. Wunderlich, Clarence
9LA	Reichenecker, Frank	9NR	Winchester, Roy H.	8₫M	Wunderlieb Clarene
	N.	9N8	Ritter, wm. H.	2	Windernen, Chareno
9LB	Whipple, Arthur F.	9NT		9QN	Oberholte Edwin B
9LC	Casey, John G. Brooks, Ralph. Lisle, Waldo E.	9NU	Perry, Wm. N.	9QO 9QP 9QQ	Oberholtz, Edwin F Petersen, Walter. Mann, Harold L.
9LD	Brooks, Ralph.	9NV	Gates, Arthur R.	9ÕP	Mann. Harold L.
9LE	Lisie, Waldo E.	9NW	Caldwell, Kenneth R.	000	Spencer, Earle W.
OLF	I Keenan, Charles J.	9NX 9NY	Perry, Wm. N. Gates, Arthur R. Caldwell, Kemeth R. Phelps, Clyde W. Ivy, John S. Willing, William P.	908	Spencer, Earle W. Hood, Thomas.
9LG	Teal, Paul H.	NA A	IVV. John S.	1 9011	Johnson, Paul E.
oľĦ	Stone, J. McWilliams. Heiser, Walter C.	9NZ	winds, winsm P.	9QV 9QW 9QY	Johnson, Paul E. Thacher, Safford D. Carnes, Theodore L.
9LI	Heiser, Walter C.	90A	1	9QW	Carnes, Theodore L.
9LJ 9LK	Spencer, Alvin C. Harrison, Major P., jr. Plummer, Evans E.	90B	Dilley, Joseph. Church, Archibald, jr.	9QY	Vehling, Robert. Meyer, Otto.
OLL OLL	Plummer France F	90c	Johnson Lorin F	9QZ	Meyer, Otto.
9LM		90D	Johnson, Lorin F. Kohl, William.		DT.
9LN	Schowalter, Elmer R.	POE	Andreen, Earl H	PRA	Williams, Norman B
9LO	Laughlin, Dale. Perkins, Albert. Stover, Peter A. Kruse, S. Carroll, W. H.	90F	Andreen, Earl H. Vollmar, Harold. Nestlerode, Boyd W. Pentland, Robert L.	9RB	Kluge, Arno
9LP	Stover Peter A	90G	Nestlerode, Boyd W.	PRC	Kluge, Arno. Bohnstengel, George Bailey, F. M.
9LQ	Krusa 8	90H	Pentland, Robert L.	9RD	Bailey, F. M.
9LR	Carroll W. H.	100	Holte, Harold O.	9RE	Mathauser, James J.
9LB	Olmsted, Randolph	90J	Holte, Hárold O. Barry, Daniel.	9RF	Harmegnies, Paul E.
	F.	90K	Gerkey, Lewis K.	9RG	McCartney, Hugh 8.
9LT	Sparks, Chas. H.	90M 90N	Gerkey, Lewis K. Finley, Cyrus P.	9RG 9RH	McCartney, Hugh S. Debus, George W.
9LU	Sparks, Chas. H. Knouf, Ralph.	PON	Thielens, Wagner P.	9RI	Flesvig, Henry.
9LV	Ehling, Fritz.	900	Semmelmeyer, Her-	9RK	I Norbial Harbart D
9LV 9LW	Howard, Clyde M.	005	bert.	9RL	Saltmarsh, Eugene P
OLX OLY	Leberman, Palmer K.	90P	Sandifer, Robert. Coultas, Charles.	9RM	Saltmarsh, Eugene P Guthrie, Edwin P. Lethen, Edward. Graf, Rudolph.
OLY	Greene, Clark W. Mason, Francis M., jr.	90Q	Coultas, Charles.	9RO	Lethen, Edward.
9LZ	Mason, Francis M., jr.	90R	Thomas, Martin.	9RP	urar, Rudolph.
AM0		908	Rutt, Burnice L.	9RQ	Melson, Carl H.
MB	Smith, Lester M.	90T 90U	McKee, Charles R.	9RR	Nelson, Cari H. McCall, John A. Meyer, Walter A.
MC	Andreas, Gerald T. Michaels, J. J.	90V	Pye, Harold. Richardson, David W.	9RS 9RU	Thomas Hensel
MD	McClintock, Wm. 8.,	90W	Del Vecchio, Earl.	9RU	Thomas, Herschel. Huffman, Charles. Burhop, Harold.
	1 TT III. D.,	90X	Stevers, Harold D.	9RW	Lirunman, Cobries,

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	Ostermeler, Cecil H.	9VM	Clark, M. Eugene,
9RY	McGuire, Donald D.	9TW	Anderson, Axel V.	9VN	Geiger, Hans F.
9RZ	Stone, Francis E.	9TX.	La Rue, Harold.	9vô	Estling, David A.
OILL	Stone, Trancis 2.	9TY	Pope, Franklin R.	9VP	Benson, Lester A.
98A	Brennan, Joseph D.	0	Topo, Transmire.	9ŸQ	Mason, Leroy E.
98D	Broughton, William	9UA	Wigton, Theron W.	9VR	Eilers, Werner.
8 0D	G.	9UB	Huston, Paul E.	9V8	Diffenderier, Davis
98E	Schmidt, Otto G.	9UC	Loveless, Harry L.	9VT	Lawrence, Harley
98F	Mehrholz, Irvin.	9UD	Diehl, Grant, jr.	9VŪ	
98G	Komm, Paul M.	9UE	Fels, Thomas W.	9VV	Allman, John C.
98H				9VW	Messerly, Henry.
95H	Burdick, Roy E.	9UG	Blakey, Millard.		Riedy, Walter L.
180	Lowe, Meredith B.	9UH	May, De Witt W.	9VX	Grossman, Eugene
98J	Nolte, Edward F.	9UI	Cottrell, Hale T.	9VY	Bauer, George D.
98K	Weitz, Rudolph W.	9UJ	Neumann, Adelbert.	9VZ	Snarski, J. P.
98L	Castleberry, Jewell.	9UK	Graybill Donald R.		la
98M	Engler, Robert J.	9UL	Cheyne, Tom L.	9WA	Coats, Roscoe J.
NBN	Anderson, Virgil.	9UM	Erickson, Edward H.	9WB	Nolan, Guy P.
980	Day, Harold E.	9UN	8mith, Joe L.	9WC	Kannenstine, Fabi
98P	Maxson, Rolland and	9UO	Hegge, Adolph.		M.
	Charles 8.	9UP	Paetzold, William H.	9WD	Giese, R. C.
98Q	Rea, Richard.	9UQ	Blood, Lester C.	9WE	Brandt, Erwin H.
98R	Hogan, Leo.	9UR	Powers, Milton A.	9WF	Carter, George W.
988	Schrage, Charles T.	9U8	Woodford, Joe C.	9WG	Parks, Paul B.
98T	Roth, John.	9UT	Hamilton, Leo L.	9WH	Reynolds, Wm. D.,
98U	Seese, Tom C.	9UV	Hayes, James E. S.	9WI	Kelley, Eugene V.
98V	Ruzek, Oscar E.	9UW	Burkart, Louis J., jr.	9WJ	Struver, Harold W
		9UX	Bell, Fayett.	9WK	Thomas, Carroll W
9TA	Parnin, Ross.	9UY	Strock, Reeve O.	9WL	Bierbach, Werner.
9TB	Koresh, George.	9UZ	Edwards, Austin N.	9WM	Smith, Stanley,
9TD	Eisele, Edward J.			9WN	Ferdinand, Harry
9TE	Girod, Earl.	9VA	Siegart, Walter.	9WO	Garrett, Sherman 8
9TG	Fruit, Lester.	9VB	Bennett, Herbert P.	9WP	McKeever, Thomas
9TH	Liston, Earl.	9VČ	Ziegenbein, Ralph	9WQ	Black, Harry N.
9TJ	Hancock, George T.		W. L.	9WR	Burghardt, Dougla
9TK	Jensen, Louis T.	9VD	Bitner, Robert E.	9W8	Patterson, Coy.
9TM	Bonson, George W.	9VE	Littmann, Edwin R.	9WT	Kelley, Edward L.
9TN	Mirgeler, Robert J.	9vő	Howard, L. Harde-	νΨ̈́υ	Church, Arthur B.
9TO	Cyr, Darrel J.	94.0	man.	9wv	Hoffman, Erich A.
9TP	Witcraft, Wilbur.	9VH	Scribner, Elmer B.	9WW	
9TQ	Griggs, Fred W.	9VI	Dooder Person T	XWe	Smith, Raymond I Kramer, Andrew V
9TR	Turner, Orville H.	9VJ	Beesley, Bernard J.	9WY	
9T8			Miller, Leland.		Barnickol, Carl R.
9TT	Stansbury, Clinton.	9VK	Boardman, Horace C.	9WZ	Blue River Power
9TU	Loebe, Roy A.	9VL	and Clarence E.		
ATO	Gruda, Edgar.	A A T	Grafe, Harold.		

APPENDIX.

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° 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.

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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

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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 = northeast, 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 2.0
1 Light air	8	6.9
2 Light breeze	13	11.3
3 Gentle breeze		15.
4 Moderate breeze	23	20.0
5 Fresh breeze	28	24.
6 Strong breeze		29.
7 Moderate gale	1	34.
8 Fresh gale	1	41.0
9 Strong gale		48.
10 Whole gale	65	56.
11 Storm	75	65.
	r 90	78.
2 Hurricane	and over.	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.

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

Translation.

United States Weather Bureau.

2.4		Wind.	
Station.	Pressure.	Direction.	Force.t
Sydney	29.64	sw	
Nantucket	29 16	W	
Delaware Breakwater	29.46	NW	
Hatteras	29.98	NW	
Charleston	30. 12	N	
Key West	30. 26	NE	
Pensacola	30.36	N	
Bermuda	30.00	SW	

¹ 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.		Wind.	
	Pressure.	Direction:	Force.1
Duluth	29. 58	NE	(
Marquette		E	
Sault Ste. Marie	30.04	SE	•
Green Bay	29.60	SE	
Chicago	29.56	SW	1
Alpena		SE	
Detroit	30.08	SE	1
Cleveland		8	
Buffalo		8	

¹ 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	
$\overset{\mathrm{B}}{\overset{\mathrm{C}}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}}{\overset{\mathrm{C}}{\overset{\mathrm{C}}}{\overset{\mathrm{C}}}{\overset{\mathrm{C}}}{\overset{\mathrm{C}}}{\overset{\mathrm{C}}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}}{\overset{C}$	Semicolon	
D - · ·	Comma	
F	Colon	
H		
J	Interrogation	
K	Exclamation point	
M	Apostrophe	
0	Hyphen	
Q	Bar indicating fraction	
S	Parenthesis	
T — U • • • —	Inverted commas	
$\mathbf{W} \cdot \mathbf{W} = \mathbf{W} \cdot $	Underline	
X	Double dash	
Z	Distress Call	
	Attention call to precede	
Ä (German)	every transmission	
A or A (Spanish-Scandinavian)	General inquiry call	
	From (de)	
CH (German-Spanish)	Invitation to transmit (go ahead)	W
É (French)	Warning—high power	
Ñ (Spanish)	Question (please repeat after	
)—interrupting long messages	
O (German)	Wait	
Ü (German)	Break (Bk.) (double dash)	
	Understand	•••
,	Error	
2	Received (O. K.)	•
3	Position report (to precede all	
5 6	position messages) End of each message (cross)	
7	Transmission finished (end of	
9	work) (conclusion of correspondence)	Lieut -
×	respondence)	

LIST OF ABBREVIATIONS TO BE USED IN RADIO COM-MUNICATION.

Abbreviation.	Question.	Answer or notice.
c Q		Signal of inquiry made by a station desiring to communicate.
ТR		Signal announcing the sending of par- ticulars concerning a station on shipboard (Art. XXII).
(1)		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.	I am receiving badly. Please send 20.
	•••=•	•••-•
	for adjustment?	for adjustment.
QRM	Are you being interfered with?	I am being interfered with.
QRN	Are the atmospherics strong?	Atmospherics are very strong.
QRO	Shall I increase power?	Increase power.
QRP	Shall I decrease power?	Decrease power.
QRQ	Shall I send faster?	Send faster.
QRS	Shall I send slower?	Send slower.
QRT .	Shall I stop sending?	
QRU	Have you anything for me?	
QRV	Are you ready?	I am ready. All right now.
QRW	Are you busy?	I am busy (or, I am busy with

¹ 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-O

Abbreviation.	Question.	Answer or netice.
QRX	Shall I stand by?	Stand by. I will call you will quired.
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	Transmission will be in all
	order or in series?	order.
QSG	21	Transmission will be in serie
	ir.	messages.
QSH		Transmission will be in series
	11: U	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 degree
QSN	Are you in communication with land?.	I am not in communication with
QSO	Are you in communication with any	I am in communication with
	ship or station (or: with)?	(through).
QSP	Shall I inform that you are	Inform that I am call
	calling him?	
QSQ	Is calling me?	You are being called by
QSR	Will you forward the radiogram?	I will forward the radiograms.
QST	Have you received the general call?	General call to all stations.
QSU	Please call me when you have finished	Will call when I have finished
	(or: at o'clock)?	
QSV 1	Is public correspondence being han-	Public correspondence is being
	dled?	dled. Please do not interna
QSW	Shall I increase my spark frequency?.	Increase your spark frequence
QSX	Shall I decrease my spark frequency?.	Decrease your spark frequency
QSY	Shall I send on a wave length of	Let us change to the wave
	meters?	meters.
QSZ		Send each word twice. I
		culty in receiving you.
QTA		Repeat the last radiogram.
-		

Public correspondence is any radio work, official or private, handled on commercial



DEPARTMENT OF COMMERCE BUREAU OF NAVIGATION RADIO SERVICE

RADIO STATIONS OF THE UNITED STATES

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