

RADIO SERVICE BULLETIN

ISSUED MONTHLY BY ^{U. S.} BUREAU OF NAVIGATION, (DEPARTMENT OF COMMERCE.)

Washington, February 2, 1920—No. 34.

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DEPARTMENT OF COMMERCE,
BUREAU OF NAVIGATION,
Washington, August 1, 1919.

To collectors of customs, radio inspectors, and others concerned:

This publication, which was discontinued during the war, is issued monthly by the Bureau of Navigation, Department of Commerce, 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.

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

Amendments to or changes in the Radio Laws and Regulations of the United States (edition of Aug. 15, 1919) 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.

E. T. CHAMBERLAIN,
Commissioner of Navigation.

Approved:
WILLIAM C. REDFIELD,
Secretary of Commerce.

NEW STATIONS.

HEB
A

COMMERCIAL LAND STATIONS, ALPHABETICALLY BY NAMES OF STATIONS.

[Additions to the List of Radio Stations of the United States, edition of June 15, 1919, and to the International List of Radiotelegraph Stations published by the Berne bureau.]

Station.	Call signal.	Wave lengths.	Service.	Hours.	Station controlled by—
Pirate Cove, Alaska.....	KOXN	.....	.....	.....	Union Fish Co.

COMMERCIAL SHIP STATIONS, ALPHABETICALLY BY NAMES OF VESSELS.

[Additions to the List of Radio Stations of the United States, edition of June 15, 1919, and to the International List of Radiotelegraph Stations published by the Berne bureau.]

Name of vessel.	Call signal.	Rates.		Service.	Hours.	Owner of vessel.	Station controlled by—
		North and South American service.	Trans-oceanic service.				
		Cents.	Cents.				
Abercos.....	KOVR	4	4	PG	X	U. S. Shipping Board.	Owner of vessel.
Aeolus.....	KOZC	4	4	PG	X	do.....	Do.
Agememnon.....	KOXQ	4	4	PG	X	do.....	Do.
Bearport.....	KUBK	4	4	PG	X	do.....	Do.
Betterton.....	KUBG	4	4	PG	X	do.....	Do.
City of Alma.....	KUBP	4	4	PG	X	do.....	Do.
City of Berkeley.....	KOZQ	4	4	PG	X	do.....	Do.
City of Miami.....	WDI	.....	.....	PG	X	.....	.....
City of Omaha.....	KOZB	4	4	PG	X	U. S. Shipping Board.	Do.
Claremont.....	KUBD	.....	.....	PG	X	W. H. Wood.....	Do.
Clarksburg.....	KOVP	4	4	PG	X	U. S. Shipping Board.	Radio Corporation of America.
Coaleda.....	KOVV	4	4	PG	X	do.....	Owner of vessel.
Coeur d'Alene.....	KOVT	4	4	PG	X	do.....	Do.
Cold Harbor.....	KUBB	4	4	PG	X	do.....	Do.
Collamer.....	KOZZ	4	4	PG	X	do.....	Do.
Culburra.....	KOZR	4	4	PG	X	do.....	Do.
E. A. Morse.....	KOVN	4	4	PG	X	do.....	Do.
Elfay.....	KOVQ	.....	.....	.....	.....	Russell A. Alger.....	Do.
Halehurst.....	KOXB	4	4	PG	X	U. S. Shipping Board.	Do.
I. J. Merritt.....	KOVZ	.....	.....	PG	X	Merritt & Chapman Derrick & Wrecking Co.	Do.
Lake Elmwood.....	KOZT	4	4	PG	X	U. S. Shipping Board.	Do.
Lake Fandango.....	KOVL	4	4	PG	X	do.....	Do.
Lake Fandon.....	KOVS	4	4	PG	X	do.....	Do.
Laramie.....	KUBC	4	4	PG	X	do.....	Do.
Liberty Minquas.....	KUBJ	4	4	PG	X	do.....	Do.
Minooka.....	KOZN	4	4	PG	X	do.....	Do.
Miskianra.....	KOZM	4	4	PG	X	do.....	Do.
Moravia Bridge.....	KOZG	4	4	PG	X	do.....	Do.
Norumbega.....	KOZX	4	4	PG	X	do.....	Do.
Pawlet.....	KUBL	4	4	PG	X	do.....	Do.
Quaker City.....	KOZL	4	4	PG	X	do.....	Do.
Roanoke.....	KOXY	.....	.....	PG	X	Texas Co.....	Do.
Robin Adair.....	KOVM	4	4	PG	X	U. S. Shipping Board.	Ship Owners' Radio Service (Inc.).
Robin Goodfellow....	KUBN	4	4	PG	X	do.....	Owner of vessel.
Robin Gray.....	KOXT	4	4	PG	X	do.....	Ship Owners' Radio Service (Inc.).
Rockport.....	KOZD	4	4	PG	X	do.....	Owner of vessel.
San Diego.....	KUBF	PG	W. H. Wood.....	Do.
Sepelo.....	KOVK	4	4	PG	X	U. S. Shipping Board.	Do.
St. Anthony.....	KUBM	4	4	PG	X	do.....	Do.

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COMMERCIAL SHIP STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—
continued.

Name of vessel.	Call signal.	Rates.		Service.	Hours.	Owner of vessel.	Station controlled by—
		North and South American service.	Trans-oceanic service.				
Steel Age.....	KOYZ	Cents. 4	Cents. 8	PG		U. S. Steel Products Co.	Owner of vessel.
Steelmaker.....	KOYX	4	8	PG		do.	Do.
Suwied.....	KOXC	4	4	PG	X	U. S. Shipping Board.	Do.
Tampa.....	KOYK	4	4	PG	X	do.	Do.
Tampico.....	KOXR	4	8	PG		Crowell & Thurlow.	Do.
Tashmoo.....	KOXD	4	4	PG	X	U. S. Shipping Board.	Do.
Tekoa.....	KOYF	4	4	PG	X	do.	Do.
Tenafly.....	KOZF	4	4	PG	X	do.	Do.
Toledo Bridge.....	KOYG	4	4	PG	X	do.	Do.
Tona.....	KOYJ	4	4	PG	X	do.	Do.
Tonesit.....	KOYK	4	4	PG	X	do.	Do.
Tuladi.....	KOYL	4	4	PG	X	do.	Do.
Vigilant.....	KOZP	4	8	PG		E. K. Wood Lumber Co.	Do.
Vincennes Bridge.....	KOXM	4	4	PG	X	U. S. Shipping Board.	Do.
Von Steuben.....	KOXP	4	4	PG	X	do.	Do.
West Hikar.....	KOZK	4	4	PG	X	do.	Do.
West Ivan.....	KOZS	4	4	PG	X	do.	Do.
West Jessup.....	KOZS	4	4	PG	X	do.	Do.
West Niger.....	KOZJ	4	4	PG	X	do.	Do.
Wilcox.....	WPAO	4	4	PG	X	do.	Independent Co.
Wm. Henry Webb.....	KOZV	4	4	PG	X	do.	Owner of vessel.

COMMERCIAL LAND AND SHIP STATIONS, ALPHABETICALLY BY CALL SIGNALS.

[b=ship station; e=land station.]

Call signal.	Name.	Call signal.	Name.
KOVK	Sepeto..... b	KOZD	Rockport..... b
KOVL	Lake Fandango..... b	KOZF	Tenafly..... b
KOVM	Robin Adak..... b	KOZG	Motavia Bridge..... b
KOVN	E. A. Morse..... b	KOZJ	West Niger..... b
KOVP	Clarksburg..... b	KOZK	West Hikar..... b
KOVQ	Elkay..... b	KOZL	Quaker City..... b
KOVR	Aberdeen..... b	KOZM	Albatross..... b
KOVS	Lake Fandon..... b	KOZN	Minooka..... b
KOVT	Coeur D'Alene..... b	KOZP	Vigilant..... b
KOVV	Coaleda..... b	KOZQ	City of Berkeley..... b
KOVX	Tampa..... b	KOZR	Culburra..... b
KOVZ	I. J. Merritt..... b	KOZS	West Ivan..... b
KOXB	Hastehurst..... b	KOZT	Lake Elmwood..... b
KOXC	Suwied..... b	KOZV	Wm. Henry Webb..... b
KOXD	Tashmoo..... b	KOZX	Norumbega..... b
KOXF	Tekoa..... b	KOZZ	Collamer..... b
KOYG	Toledo Bridge..... b		
KOYJ	Tona..... b	KUBB	Cold Harbor..... b
KOYK	Tonesit..... b	KUBC	Laramie..... b
KOYL	Tuladi..... b	KUBD	Claremont..... b
KOXM	Vincennes Bridge..... b	KUBF	San Diego..... b
KOYN	Frata Cove, Alaska..... e	KUBG	Betterton..... b
KOYP	Von Steuben..... b	KUBJ	Liberty Minervas..... b
KOYQ	Agamenon..... b	KUBK	Bearport..... b
KOZR	Tampico..... b	KUBL	Pawlet..... b
KOZS	West Jessup..... b	KUBM	St. Anthony..... b
KOZT	Robin Gray..... b	KUBN	Robin Goodfellow..... b
KOZV	Ronanaka..... b	KUBP	City of Alma..... b
KOZX	Steelmaker..... b		
KOZY	Steel Age..... b	WDI	City of Miami..... b
KOZB	City of Omaha..... b		
KOZC	Aeolus..... b	WPAO	Wilcox..... b

COMMERCIAL SHIP STATIONS, ALPHABETICALLY BY NAMES OF VESSELS—
continued.

Name of vessel.	Call signal.	Rates.		Service.	Hours.	Owner of vessel.	Station controlled by—
		North and South American service.	Trans-oceanic service.				
		Cents.	Cents.				
Steel Age.....	KOZX	4	8	PG		U. S. Steel Products Co.	Owner of vessel.
Steelmaker.....	KOXX	4	4	PG		do.	Do.
Suwied.....	KOXC	4	4	PG	X	U. S. Shipping Board.	Do.
Tampa.....	KOVX	4	4	PG	X	do.	Do.
Tampico.....	KOXR	4	8	PG		Crowell & Thurlow.	Do.
Tashmoo.....	KOXD	4	4	PG	X	U. S. Shipping Board.	Do.
Tekoa.....	KOXF	4	4	PG	X	do.	Do.
Tenafly.....	KOZF	4	4	PG	X	do.	Do.
Toledo Bridge.....	KOXG	4	4	PG	X	do.	Do.
Tona.....	KOXJ	4	4	PG	X	do.	Do.
Tonesit.....	KOKK	4	4	PG	X	do.	Do.
Tuladi.....	KOXL	4	4	PG	X	do.	Do.
Vigilant.....	KOZP	4	8	PG		E. K. Wood Lumber Co.	Do.
Vincennes Bridge.....	KOXM	4	4	PG	X	U. S. Shipping Board.	Do.
Von Steuben.....	KOXP	4	4	PG	X	do.	Do.
West Hikar.....	KOZK	4	4	PG	X	do.	Do.
West Ivan.....	KOZB	4	4	PG	X	do.	Do.
West Jessup.....	KOXS	4	4	PG	X	do.	Do.
West Niger.....	KOZJ	4	4	PG	X	do.	Do.
Wilcox.....	WPAO	4	4	PG	X	do.	Independent Co. Owner of vessel.
Wm. Henry Webb....	KOZV	4	4	PG	X	do.	Owner of vessel.

COMMERCIAL LAND AND SHIP STATIONS, ALPHABETICALLY BY CALL SIGNALS.

[b=ship station; c=land station.]

Call signal.	Name.	Call signal.	Name.
KOVK	Sapelo.....b	KOZD	Rockport.....b
KOVL	Lake Pandango.....b	KOZF	Tenafly.....b
KOVM	Robin Adair.....b	KOZG	Motavia Bridge.....b
KOVN	E. A. Morse.....b	KOZJ	West Niger.....b
KOVP	Clarksburg.....b	KOZK	West Hikar.....b
KOVQ	Eljay.....b	KOZL	Quaker City.....b
KOVR	Abercrombie.....b	KOZM	Minnetonka.....b
KOVS	Lake Fandon.....b	KOZN	Minooka.....b
KOVT	Coeur D'Alene.....b	KOZP	Vigilant.....b
KOVV	Coaleda.....b	KOZQ	City of Berkeley.....b
KOVX	Tampa.....b	KOZR	Calbarra.....b
KOVZ	I. J. Merritt.....b	KOZS	West Ivan.....b
KOXB	Hastehurst.....b	KOZT	Lake Elmwood.....b
KOXC	Suwied.....b	KOZV	Wm. Henry Webb.....b
KOXD	Tashmoo.....b	KOZX	Norumbega.....b
KOXF	Tekoa.....b	KOZZ	Collamer.....b
KOYG	Toledo Bridge.....b		
KOXJ	Tona.....b	KUBB	Cold Harbor.....b
KOKK	Tonesit.....b	KUBC	Laramie.....b
KOXL	Tuladi.....b	KUBD	Claremont.....b
KOXM	Vincennes Bridge.....b	KUBF	San Diego.....b
KOXN	Pirate Cove, Alaska.....c	KUBG	Batterton.....b
KOXP	Von Steuben.....b	KUBJ	Liberty Minnetonka.....b
KOXQ	Agememnon.....b	KUBK	Beaumont.....b
KOKR	Tampico.....b	KUBL	Pawlet.....b
KOXS	West Jessup.....b	KUBM	St. Anthony.....b
KOXT	Robin Gray.....b	KUBN	Robin Goodfellow.....b
KOXV	Roanoke.....b	KUBP	City of Alma.....b
KOXX	Steelmaker.....b		
KOZY	Steel Age.....b	WDI	City of Miami.....b
KOZB	City of Omaha.....b		
KOZC	Aeolus.....b	WPAO	Wilcox.....b

GOVERNMENT SHIP STATIONS, ALPHABETICALLY BY NAMES OF STATIONS.

[Additions to the List of Radio Stations of the United States, edition of June 15, 1919.]

Name of ship.	Call signal.	Name of ship.	Call signal.
Quincy.....	NGQ		

SPECIAL LAND STATIONS, ALPHABETICALLY BY NAMES OF STATIONS.

[Additions to the List of Radio Stations of the United States, edition of June 15, 1919, only.]

Station.	Call signal.	Station controlled by—
Agriculture College, Miss.....	5YD	Mississippi Agricultural & Mechanical College.
Austin, Tex.....	5ZU	Wesley H. Tilley.
Baudette, Minn.....	5ZC	John A. Gjelhaug.
Bloomington, Ill.....	9YB	Illinois Wesleyan University.
Boise, Idaho.....	7YA	Independent School District of Boise City.
Cambridge, Mass.....	1XJ	Harvard University.
Canton, Ohio.....	5ZV	Henry L. Ley.
Cincinnati, Ohio.....	8XB	Precision Equipment Co.
Cleveland, Ohio.....	8XF	Emil J. Simon.
Defiance, Ohio.....	8ZY	K. A. Duerk.
Detroit, Mich.....	8XD	Emil J. Simon.
Elk, Wyo.....	7ZE	Harold P. Sheard.
Glenridge, N. J.....	2XV	Western Electric Co.
Houston, Tex.....	5ZO	Clifford W. Vick.
Houston, Tex.....	5ZT	Ingham S. Roberts III.
Indianapolis, Ind.....	9ZJ	Francis F. Hamilton.
Lincoln, Nebr.....	9YY	University of Nebraska.
Los Altos, Calif.....	6XY	National Radio Co.
Los Angeles, Calif.....	6XQ	Southern California Edison Co.
Manitowoc, Wis.....	9ZL	H. J. Burhop and W. C. Bridges.
Manlius, N. Y.....	5YB	St. John's School.
Minneapolis, Minn.....	5ZT	Minnesota Wireless Association.
New Orleans, La.....	5YQ	Nola Radio School.
New Orleans, La.....	5ZP	Herbert E. De Ben.
New York, N. Y.....	5YB	B. B. Brownlee.
Oakland, Calif.....	6XX	St. Mary's College.
Oelwein, Iowa.....	8ZQ	George E. Hammond.
Ossining, N. Y.....	2XX	De Forest Radio Telephones & Telegraph Co.
Palo Alto, Calif.....	6XV	Federal Telegraph Co.
Schenectady, N. Y.....	3XY	Wallace L. Brooks.
South Orange, N. J.....	5ZC	Henry L. Leeb.
University, Miss.....	5YE	University of Mississippi.
University Place, Nebr.....	9YD	Nebraska Wesleyan University.
Washington, D. C.....	3XF	Francis M. Baer.

SPECIAL LAND STATIONS GROUPED BY DISTRICTS.

Call signal.	District and station.	Call signal.	District and station.
1XJ	First district: Cambridge, Mass.	7YA	Seventh district: Boise, Idaho.
2XV	Second district: Glenridge, N. J.	7ZE	Elk, Wyo.
2XY	Schenectady, N. Y.	8XB	Eighth district: Cincinnati, Ohio.
2XX	Ossining, N. Y.	8XD	Detroit, Mich.
5YB	New York, N. Y.	8XF	Cleveland, Ohio.
5ZC	South Orange, N. J.	5YB	Manlius, N. Y.
3XF	Third district: Washington, D. C.	5ZV	Canton, Ohio.
5YQ	Fifth district: New Orleans, La.	8ZY	Defiance, Ohio.
5YD	Agricultural College, Miss.	9YD	Ninth district: University Place, Nebr.
5YE	University, Miss.	9YB	Bloomington, Ill.
5ZO	Houston, Tex.	9YY	Lincoln, Nebr.
5ZP	New Orleans, La.	5ZC	Baudette, Minn.
5ZT	Houston, Tex.	9ZJ	Indianapolis, Ind.
5ZU	Austin, Tex.	9ZL	Manitowoc, Wis.
6XQ	Sixth district: Los Angeles, Calif.	8ZQ	Oelwein, Iowa.
6XV	Palo Alto, Calif.	8ZT	Minneapolis, Minn.
6XX	Oakland, Calif.		
6XY	Los Altos, Calif.		

ABBREVIATIONS.

The necessary corrections to the List of Radio Stations of the United States and to the International List of Radiotelegraph Stations, appearing in this Bulletin under the heading "Alterations and corrections," are published after the stations affected in the following order:

Name = Name of station.

G. loc. = Geographical location: O = west longitude, N = north latitude, S = south latitude.

Call = Call letters assigned.

System = Radio system used and sparks per second.

Range = Normal range in nautical miles.

W. L. = Wave lengths assigned: Normal wave lengths in italics.

Service = Nature of service maintained:

PG = General public.

PR = Limited public.

P = Private.

O = Government business exclusively.

Hours = Hours of operation:

N = Continuous service.

X = No regular hours.

m = a. m. (12m = midday).

s = p. m. (12s = midnight).

Rates = Ship or coast charges, in cents: c = cents. (The rates in the international list are given in francs and centimes. For approximate purposes, 1 franc equals 20 cents and 5 centimes equal 1 cent.)

ALTERATIONS AND CORRECTIONS.

COMMERCIAL SHIP STATIONS, ALPHABETICALLY BY NAMES OF VESSELS.

[Alterations and corrections to be made to the List of Radio Stations of the United States, edition of June 15, 1919, and to the International List of Radiotelegraph Stations published by the Berns bureau.]

ANCON.—U. S. Shipping Board owner of vessel.

ASTMAHCO III.—Astmahco No. 3 (Inc.) owner of vessel.

CALLABASAS.—Atlantic Fruit Co. owner of vessel.

CAMPELLO.—Robinson Shipping Co. owner of vessel.

CENTAURUS.—Nafra Co. (Inc.) owner of vessel.

CETHANA.—J. E. Chilberg owner of vessel.

CHALLAMBA.—J. E. Chilberg owner of vessel.

CHAMPION.—Atlantic Transport Co. owner of vessel.

CIRCINUS.—Nafra Co. (Inc.) owner of vessel.

CALUSEUS.—Nafra Co. (Inc.) owner of vessel.

COOLCHA.—J. E. Chilberg owner of vessel.

CORVUS.—Nafra Co. (Inc.) owner of vessel.

COTE BLANCHE.—U. S. Shipping Board owner of vessel.

CROSS KEYS.—U. S. Shipping Board owner of vessel.

DELCO.—Delco S. S. Co. owner of vessel.

EURANA.—Green Star S. S. Corporation owner of vessel.

G. A. FLAGG.—Adam E. Cornelius owner of vessel.

GOVERNOR FORBES.—Caribbean S. S. Co. owner of vessel.

LAKE MOHONK.—Name changed to Astmahco III.

LAKE ONEIDA.—Name changed to Astmahco IV.

LANCASTER.—Imperial Shipping Corporation owner of vessel.

OLEAN.—Name changed to C. A. Snider.

PATHFINDER.—Universal Transportation Co. (Inc.) owner of vessel.

PETUNIA.—Foreign & Domestic Transportation Corporation owner of vessel.

SANTA CECILIA.—Green Star S. S. Corporation owner of vessel.

SHOSHONE.—Name changed to Manoa.

SIERRA (KQHP).—Green Star S. S. Corporation owner of vessel.

TACONY.—Bluefields Fruit & S. S. Co. (Inc.) owner of vessel.

TIDEWATER.—Green Star S. S. Corporation owner of vessel.

Toledo.—American Sugar Refining Co. owner of vessel.

WEST CADDEW.—Correct name West Caddoa.

WEST GALATA.—Correct name Lake Galata.

WEST ISLAY.—Imperial Shipping Corporation owner of vessel.

WEST POINT.—Neptune Line (Inc.) owner of vessel.

The stations of the following-named vessels are operated and controlled by the Independent Wireless Telegraph Co.:

Amoron.	Hoven.	Massillon Bridge.
Bakersfield.	Imlay.	Mendora.
Bascobel.	Itanca.	Monomac.
Bellemina.	Kayseeka.	Montague.
Bellflower.	Lake Capens.	Moosehausic.
Bethelridge.	Lake Charlotte.	Mopang.
Bird City.	Lake Dancy.	Newton.
Buffalo Bridge.	Lake Ellerslie.	Nipmuc.
Callao.	Lake Ellithorpe.	Owatama.
Casey.	Lake Fackler.	Oyaka.
Chickasaw.	Lake Fairlie.	Parksville.
Clark Mills.	Lake Fauquier.	Peekskill.
Coldbrook.	Lake Fernando.	Putnam.
Cross Keys.	Lake Fife.	Santa Malta.
Daniel Webster.	Lake Fisher.	Sundance.
Deroche.	Lake Flagstaff.	Tollard.
Dewey.	Lake Girardeau.	Waban.
Diana.	Lake Girth.	Wachusett.
Egremont.	Lakeside Bridge.	West Hassayampa.
Epitacio Pessoa.	Lockport.	West Ivis.
Gulftrade.	Luella.	West Jena.
Himoto.	Manhan.	West Neris.

The stations of the following-named vessels are operated and controlled by the Radio Corporation of America:

Ancross.	Delfina.	Lake Flattery.
Antietam.	Dillwyn.	Lake Gebhart.
Babboosic.	Effingham.	Lake Strymon.
Barthney.	Elkhorn.	Lake Wilson.
Bartholomew.	Fort George.	Lansdowne.
Bartoloma.	Freedom.	Lycoming.
Bavington.	Gray Cloud.	Lynchburg.
Bellerose.	Hartford.	Maquan.
Ben Salem.	Hathaway.	Margus.
Braeburn.	Hoosac.	Minnewawa.
Buttonwood.	Hulaco.	Nocalula.
Chepadoa.	Indiana Bridge.	Nokatay.
Chicomico.	John Roach.	Ophis.
Clackamas.	Kaweah.	Pelipades.
Clara.	Kootenai.	Radnor.
Continental Bridge.	Lake Elmhurst.	Wakiki.
Cook.	Lake Faxon.	West Bridge.
Dannedaike.	Lake Felden.	West Ira.
Dauperata.	Lake Fiscus.	

The stations of the following-named vessels are operated and controlled by the Ship Owners' Radio Service (Inc.):

Abraham Lincoln.	Democracy.	Merry Mount.
Afoundria.	Deuel.	Munra.
Andrew Jackson.	Dilworth.	Nockum.
Arcadia.	Endicott.	Nonantum.
Belleplaine.	Firthcliffe.	Philippines.
Byfield.	Fort Russell.	Quinnipiac.
Cape Henry.	Gaffney.	Rockaway Park.
Chester Valley.	Jacksonville.	Scottsburg.
City of Alton.	Labette.	Terre Haute.
Cliffwood.	Lafomo.	Tri Mountain.
Clodia.	Lake Conesus.	Tuwetanka.
Coahoma County.	Lake Elon.	West Hesseltime.
Cockaponset.	Lake Fagundus.	West Kader.
Cockata.	Lake Gitano.	West Katan.
Cushnet.	Lake St. Clair.	West Mingo.
Cuttyhunk.	Liberator.	West Montop.
Delco.	Massick.	Wildwood.
Delisle.		

Strike out all particulars of the following-named vessels:

Abrigada.	Eten.	Liberty Glo.
Anna.	Kerwood.	Pelican.
Belvedere.	Lake Conway.	Yehama.

COMMERCIAL SHIP STATIONS, ALPHABETICALLY BY CALL SIGNALS.

KOQ, *read* Manoa; KODF, *read* West Caddoa; KOJJ, *read* Lake Galata; KRR, *read* C. A. Snider; WDF, *read* Astmahco IV; WGB, *read* Astmahco III. Strike out all particulars following the call signals KEQT, KIQZ, KIRL, KLIO, KNIE, KVAU, KVU, WPM, and WJD.

GOVERNMENT LAND STATIONS, ALPHABETICALLY BY NAMES OF STATIONS.

Alterations and corrections to be made to the List of Radio Stations of the United States, edition of June 15, 1919.]

Strike out all particulars of the following-named stations:

Benton Harbor, Mich; Brunswick, Ga.; Dry Tortugas, Fla.; Ensenada, P. R.; Fort Morgan, Ala. (NHB); and Koko Head, Hawaii.

GOVERNMENT SHIP STATIONS, ALPHABETICALLY BY NAMES OF VESSELS.

[Alterations and corrections to be made to the List of Radio Stations of the United States, edition of June 15, 1919.]

U-B-148 *read* U-148.

Strike out all particulars of the following-named vessels:

Eagle 16.	S. P. 328 (Margaret).	Sub-chaser No. 183.
Eagle 21.	S. P. 333 (Kenneth L. Mc- Neal).	Sub-chaser No. 198.
Eagle 22.		Sub-chaser No. 199.
Eagle 24.	S. P. 416 (P. A. H. Hub- bard).	Sub-chaser No. 233.
Eagle 30.		Sub-chaser No. 234.
Harbor Tug No. 59	S. P. 439 (Kanised).	Sub-chaser No. 274.
Harbor Tug No. 60.	S. P. 510 (Suzanne).	Sub-chaser No. 279.
Harbor Tug No. 62.	S. P. 525 (Chilhowee).	Sub-chaser No. 280.
Harbor Tug No. 66.	S. P. 563 (Magnet).	Sub-chaser No. 281.
Harbor Tug No. 85.	S. P. 581 (Xarifa).	Sub-chaser No. 302.
H. Luckenbach.	S. P. 585 (Helianthus).	Sub-chaser No. 311.
Hopkins.	S. P. 599 (Akbar).	Sub-chaser No. 312.
Kaiserin Auguste Victoria.	S. P. 617 (Yacona).	Sub-chaser No. 333.
Kwasind.	S. P. 691 (Mansfield).	Sub-chaser No. 334.
Lawrence.	S. P. 812 (Carola IV).	Sub-chaser No. 335.
Marietta.	S. P. 967 (Admiral).	Sub-chaser No. 405.
McDonough.	S. P. 1240 (Seneca).	Sub-chaser No. 410.
Santa Clara.	Sub-chaser No. 18.	Sub-chaser No. 414.
Santa Elena.	Sub-chaser No. 20.	Sub-chaser No. 415.
Santa Paula.	Sub-chaser No. 22.	Sub-chaser No. 417.
Smith.	Sub-chaser No. 27.	Sub-chaser No. 435.
S. P. 34 (Whitecap).	Sub-chaser No. 38.	Sub-chaser No. 442.
S. P. 103 (Raven III).	Sub-chaser No. 82.	Sub-chaser No. 445.
S. P. 206 (Alacrity).	Sub-chaser No. 132.	Sub-chaser No. 446.
S. P. 210 (Helenita).	Sub-chaser No. 139.	Sub-chaser No. 447.
S. P. 238 (Wacondah).	Sub-chaser No. 152.	Sub-chaser No. 448.
S. P. 269 (Tillamook).	Sub-chaser No. 153.	W. A. Luckenbach.
S. P. 311 (Onward).	Sub-chaser No. 155.	

GOVERNMENT LAND AND SHIP STATIONS, ALPHABETICALLY BY CALL SIGNALS.

NERD, read U-148. Strike out all particulars following the call signals, NCP, NDX, NHB, NHC, NIY, NJH, NJQ, NNO, NNP, NOS, NPM, NSQ, NUF, NYZ, NZX, NALF, NANK, NASF, NAVT, NEFX, NEJV, NEKD, NEKF, NEKJ, NELJ, NEXP, NIRD, NIRF, NIRG, NIRJ, NIQP, NIQZ, NIVJ, NIVM, NOBK, NOBM, NOBP, NOBV, NOCD, NOFJ, NOKC, NOKM, NOKZ, NOLB, NOLD, NOMB, NOMV, NOMX, NOPS, NOPT, NORX, NOSF, NOSG, NOSJ, NOTM, NOTZ, NOVB, NOVT, NOVW, NOVX, NOXZ, NOZF, NOZL, NOZM, NOZP, NUBD, NUBJ, NUBQ, NUBZ, NUCM, NUCN, NUCP, NUDN, NUDE, NUDV, NUDZ, NUDX, NUFC, NUFJ, NUFK, NUJC, NUKQ, NUKR, NUKZ, NULB, NULC, NUNP.

MISCELLANEOUS.

LOSS OF OPERATOR'S LICENSES.

The Bureau is receiving an unusually large number of requests for duplicates of lost radio operators' licenses. In a number of cases the loss of the license is apparently due to carelessness, and in the future where this is evident the Bureau will withhold the issuance of a duplicate for at least 30 days.

RANGE OF AMATEUR STATIONS.

On January 21 the Bureau received a radiogram from an amateur radio station in Hartford, Conn., which was sent direct to an amateur station in Washington, using a wave length of 200 meters. This indicates the range of such stations on a 200-meter wave length when the apparatus is efficient.

CHANGE OF MARCONI CO.

The Radio Corporation of America now operates and controls all stations formerly operated and controlled by the Marconi Wireless Telegraph Co. of America.

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