

RADIO SERVICE BULLETIN

U. S.

ISSUED MONTHLY BY BUREAU OF NAVIGATION, DEPARTMENT OF COMMERCE.

Washington, December 1, 1919—No. 32.

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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 July 27, 1914) 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.

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.				
Afoundria.....	KOMG	4	4	PG	X	U. S. Shipping Board.	Owner of vessel.
Andrew Jackson.....	KONQ	4	4	PG	X	do.....	Do.
Antietam.....	KONR	4	4	PG	X	do.....	Marconi Co.
Ashland County.....	KOMR	4	4	PG	X	do.....	Owner of vessel.
Bartholomew.....	KOMF	4	4	PG	X	do.....	Do.
Basswood.....	KOQL	4	4	PG	X	do.....	Do.
Bastrop.....	KOQM	4	4	PG	X	do.....	Do.
Bavington.....	KOPC	4	4	PG	X	do.....	Do.
Bellflower.....	KOPQ	4	4	PG	N	do.....	Do.
Casey.....	KOQJ	4	4	PG	X	do.....	Independent Co.
Centaurus.....	KOPZ	4	4	PG	X	do.....	Owner of vessel.
Chicomoco.....	KOLS	4	4	PG	X	do.....	Marconi Co.
Circinus.....	KOPK	4	4	PG	X	do.....	Owner of vessel.
City of Alton.....	KONZ	4	4	PG	X	do.....	Do.
Caluseus.....	KOQB	4	4	PG	X	do.....	Do.
Coahoma County.....	KOMP	4	4	PG	X	do.....	Do.
Coldbrook.....	KOQK	4	4	PG	X	do.....	Independent Co.
Coolcha.....	KOPS	4	4	PG	X	do.....	Owner of vessel.
Corvus.....	KOPL	4	4	PG	X	do.....	Do.
Coskata.....	KOMZ	4	4	PG	X	do.....	Do.
Cranford.....	KOLX	4	4	PG	X	do.....	Do.
Cushnet.....	KONB	4	4	PG	X	do.....	Do.
Cuttyhunk.....	KONC	4	4	PG	X	do.....	Do.
Danmedalke.....	KOPD	4	4	PG	X	do.....	Do.
Detroit-Wayne.....	KONX	4	4	PG	X	do.....	Do.
Deuel.....	KOMD	4	4	PG	X	do.....	Kilbourne & Clark Co.
Eastern Breeze.....	KOPP	4	4	PG	X	do.....	Do.
Effingham.....	KOLT	4	4	PG	X	do.....	Owner of vessel.
Effna.....	KOMT	4	4	PG	X	do.....	Marconi Co.
Eglantine.....	KOPT	4	4	PG	X	do.....	Kilbourne & Clark Co.
Egremont.....	KOQS	4	4	PG	X	do.....	Owner of vessel.
Fargo.....	KONL	4	4	PG	X	do.....	Do.
Governor Forbes.....	KOQV	4	4	PG	X	do.....	Do.
Hagan.....	KOQC	4	4	PG	X	do.....	Do.
Hagood.....	KOQD	4	4	PG	X	do.....	Do.
Henry County.....	KOMS	4	4	PG	X	do.....	Do.
Indiana Bridge.....	KOND	4	4	PG	X	do.....	Do.
J. R. Gordon.....	KOML					Union Sulphur Co.	Do.
Kayseeke.....	KOQS	4	4	PG	X	U. S. Shipping Board.	Do.
Kearny.....	KOPR	4	4	PG	X	do.....	Do.
Kingfisher.....	KOQR					Kingfisher Co.	Do.
La Crosse.....	KONM	4	4	PG	X	U. S. Shipping Board.	Do.
Lake Fernalda.....	KOPB	4	4	PG	X	do.....	Do.
Lake Elmdale.....	KOLR	4	4	PG	X	do.....	Do.
Lake Elmont.....	KOQG	4	4	PG	X	do.....	Do.
Lake Elsmere.....	KONT	4	4	PG	X	do.....	Do.
Lake Filbert.....	KONV	4	4	PG	X	do.....	Do.
Lake Fillion.....	KOPV	4	4	PG	X	do.....	Do.
Lake Flattery.....	KOMC	4	4	PG	X	do.....	Do.
Lake Gert.....	KOMB	4	4	PG	X	do.....	Do.
Lake Getaway.....	KOLZ	4	4	PG	X	do.....	Do.
Lakeside Bridge.....	KONF	4	4	PG	X	do.....	Do.
Lake Strymon.....	KONS	4	4	PG	X	do.....	Do.
Lansdowne.....	KONP	4	4	PG	N	do.....	Do.
Lycoming.....	KOMK	4	4	PG	X	do.....	Do.
Macomet.....	KORC	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.				
Margus.....	KONG	Cents. 4	Cents. 4	PG	X	U. S. Shipping Board.	Owner of vessel.
Massick.....	KOPF	4	4	PG	X	do.	Do.
Massillon Bridge.....	KONJ	4	4	PG	X	do.	Do.
McCreeary County.....	KOQP	4	4	PG	X	do.	Do.
Mineswawa.....	KOPG	4	4	PG	X	do.	Do.
Montague.....	KOMV	4	4	PG	X	do.	Do.
Mopang.....	KOPX	4	4	PG	X	do.	Do.
Nika.....	KOPM	4	4	PG	X	do.	Do.
Nipmuc.....	KOQX	4	4	PG	N	do.	Do.
Northwestern Bridge.....	KONK	4	4	PG	X	do.	Do.
Falisesades.....	KOLV	4	4	PG	N	do.	Do.
Peekskill.....	KOMX	4	4	PG	N	do.	Do.
Penguin.....	KOMJ	4	4	PG	X	do.	Do.
Petunia.....	KOQN	4	4	PG	X	do.	Do.
Quinnipiac.....	KOQT	4	4	PG	X	do.	Do.
San Antonio.....	KOMN					American Finance & Commerce Co.	Do.
Scottsburg.....	KOMM	4	4	PG	N	U. S. Shipping Board.	Do.
Sioux Falls.....	KONN	4	4	PG	X	do.	Do.
Sundance.....	KORD	4	4	PG	X	do.	Do.
Terre Haute.....	KOPJ	4	4	PG	N	do.	Do.
Tri Mountain.....	KOQF	4	4	PG	X	do.	Do.
Wasaga.....	KOPN	4	4	PG	X	do.	Marconi Co.
West Ivis.....	KOQQ	4	4	PG	X	do.	Owner of vessel.
West Mingo.....	KORB	4	4	PG	X	do.	Do.
Whitemarsh.....	KOMG					F. R. Payne.	Do.

COMMERCIAL SHIP STATIONS, ALPHABETICALLY BY CALL SIGNALS.

[b=ship station.]

Call signal.	Name.	Call signal.	Name.
KOLR	Lake Elmdale.....b	KOPB	Lake Fernalda.....b
KOLS	Chicomoco.....b	KOPC	Bavington.....b
KOLT	Efingham.....b	KOPD	Dannedaika.....b
KOLV	Pallsades.....b	KOPF	Massick.....b
KOLX	Cranford.....b	KOPG	Minnewawa.....b
KOLZ	Lake Getaway.....b	KOPJ	Terre Haute.....b
		KOPK	Circinus.....b
KOMB	Lake Gert.....b	KOPL	Corvus.....b
KOMC	Lake Flatery.....b	KOPM	Nika.....b
KOMD	Deuel.....b	KOPN	Wasagya.....b
KOMF	Bartholomew.....b	KOPP	Eastern Breeze.....b
KOMG	Whitemarsh.....b	KOPQ	Bellflower.....b
KOMJ	Penguin.....b	KOPR	Kearny.....b
KOMK	Lycoming.....b	KOPS	Coolcha.....b
KOML	J. R. Gordon.....b	KOPT	Eglantine.....b
KOMM	Scottsburg.....b	KOPV	Lake Fillion.....b
KOMN	San Antonio.....b	KOPX	Mopang.....b
KOMP	Coahoma County.....b	KOPZ	Centaurus.....b
KOMQ	Afoundria.....b		
KOMR	Ashland County.....b	KOQB	Clauseus.....b
KOMS	Henry County.....b	KOQC	Hagan.....b
KOMT	Efma.....b	KOQD	Hagood.....b
KOMV	Montague.....b	KOQE	Tri Mountain.....b
KOMX	Peekskill.....b	KOQG	Lake Elmont.....b
KOMZ	Coskata.....b	KOQJ	Casey.....b
		KOQK	Coldbrook.....b
KONB	Cushnet.....b	KOQL	Basswood.....b
KONC	Cuttyhunk.....b	KOQM	Bastrop.....b
KOND	Indiana Bridge.....b	KOQN	Petunia.....b
KONF	Lakeside Bridge.....b	KOQP	McCreary County.....b
KONG	Margus.....b	KOQQ	West Ivis.....b
KONJ	Massillon Bridge.....b	KOQR	Kingfisher.....b
KONK	Northwestern Bridge.....b	KOQS	Egremont.....b
KONL	Fargo.....b	KOQT	Quinnipiac.....b
KONM	La Crosse.....b	KOQV	Governor Forbes.....b
KOHN	Sioux Falls.....b	KOQX	Nipmuc.....b
KONP	Lansdowne.....b	KOQZ	Kayseeka.....b
KONQ	Andrew Jackson.....b		
KONR	Antietam.....b	KORB	West Mingo.....b
KONS	Lake Strymon.....b	KORC	Macomet.....b
KONT	Lake Elsmere.....b	KORD	Sundance.....b
KONV	Lake Filbert.....b		
KONX	Detroit-Wayne.....b		
KONZ	City of Alton.....b		

GOVERNMENT SHIP STATIONS, ALPHABETICALLY BY NAMES OF STATIONS.

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

Name of ship.	Call.	Name of ship.	Call.
Case.....	NUNX	Nicholas.....	NUNZ
Dobbin.....	NUNR	Parrott.....	NUPD
Isherwood.....	NUNV	Putnam.....	NUPG
John D. Edwards.....	NUPC	Reuben James.....	NUNT
Lardner.....	NUPF	United States.....	NUNQ
Long Beach.....	NEFZ	Williamson.....	NUNS

GOVERNMENT SHIP STATIONS, ALPHABETICALLY BY CALLS

Call signal.	Name of ship.	Call signal.	Name of ship.
NEFZ	Long Beach.....b	NUNT	Reuben James.....b
NUPC	John D. Edwards.....b	NUNQ	United States.....b
NUPD	Parrott.....b	NUNR	Dobbin.....b
NUPF	Lardner.....b	NUNV	Isherwood.....b
NUPG	Putnam.....b	NUNX	Case.....b
NUNS	Williamson.....b	NUNZ	Nicholas.....b

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—
Monterey, Calif.....	6XE	National Radio Co.
New Haven, Conn.....	12C	A. C. Gilbert Co.
San Francisco, Calif.....	6XG	National Radio Co.
San Francisco, Calif.....	6XK	Do.
San Francisco, Calif.....	6XO	Do.

WAR DEPARTMENT TRAINING AND REHABILITATION SCHOOLS.

Station.	Call signal.	Station operated by—
Ann Arbor, Mich.....	WU9	University of Michigan.
Atlanta, Ga.....	WX5	Georgia School of Technology.
Cambridge, Mass.....	WU7	Harvard University.
Cambridge, Mass.....	WX6	Massachusetts Institute of Technology.
Camp Knox, Ky.....	WY2	United States Signal Corps.
Camp Knox, Ky.....	WY3	Do.
Camp Knox, Ky.....	WY4	Do.
Camp Knox, Ky.....	WY5	Do.
Camp Knox, Ky.....	WY6	Do.
Camp Knox, Ky.....	WY7	Do.
Carlisle, Pa.....	WV7	General Hospital No. 31.
College Station, Tex.....	WU2	A. and M. College of Texas.
Denver, Colo.....	WV6	General Hospital No. 21.
Fort McHenry, Md.....	WV3	General Hospital No. 2.
Fort McPherson, Ga.....	WV4	General Hospital No. 6.
Fort Sam Houston, Tex.....	WV9	Base Hospital.
Fort Sheridan, Ill.....	WV2	General Hospital No. 28.
Hampton, Va.....	WV8	General Hospital No. 43.
Ithaca, N. Y.....	WU6	Cornell University.
Madison, Wis.....	WX3	University of Wisconsin.
Minneapolis, Minn.....	WX2	University of Minnesota.
New Haven, Conn.....	WX4	Yale University.
New York, N. Y.....	WU4	College of the City of New York.
New York, N. Y.....	WU5	Columbia University.
Ocean, N. C.....	WV5	General Hospital No. 19.
Pittsburgh, Pa.....	WU3	Carnegie Institute of Technology.
Urbana, Ill.....	WU8	University of Illinois.

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.

Notes =Refer to notes in the Berne list.

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 Berne bureau.]

Peerless read Eagle.

Strike out particulars of the following-named vessels:

Dannedaike.	Hwah Yih.	Louis Luckenbach.
Hwah Jah.	Ituna.	Northland (WCN).

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

Atlantus.	Fabyan.	Lake Frances.
Arakan.	Hanover.	Lake Onawa.
Aryan.	Inspector.	Moosabee.
Battonville.	John M. Connelly.	Nishmaha.
Cathlamet.	Lake Ellicott.	Saranac.
Colindo.	Lake Fabulus.	Siletz.
Coquitt.	Lake Favonia.	Wawalona.
Crisfield.	Lake Flambeau.	West Selen.

The stations on the following-named vessels are controlled by the Marconi Wireless Telegraph Co.:

Bellbrook.	Kenwood Bridge.	Lake Michigan.
Brave Coeur.	Lackawanna Bridge.	Lake Stobe.
Brookwood.	Lake El Pueblo.	Northern Queen.
Bjorneford.	Lake Elrio.	Northern Wave.
Clavarack.	Lake Fariston.	Orcus.
Cold Spring.	Lake Farrar.	Salem County.
Defender.	Lake Faulk.	Sol Navis.
Effna.	Lake Figart.	Susquehanna.
Hisco.	Lake Flanders.	Suwanee.
Hog Island.	Lake Galata.	West Jaffrey.
Honolulu.	Lake Gazette.	West Saginaw.
Irrington.		

The stations on the following-named vessels are controlled by the Ship Owners' Radio Service (Kilbourne & Clark):

Anaconda.	Fort Logan.	Lake Fear.
Auditor.	Hadnot.	Lake Glasco.
Bellhaven.	Iceland.	Magneric.
Bushrod.	Independent Bridge.	Marsodak.
Cote Blanche.	Lake Ellijay.	Montpelier.
Cripple Creek.	Lake Ellsworth.	Olockson.
Eastern Breeze.	Lake Falama.	Portsmouth.
Eglantine.	Lake Fansdale.	West Pocasset.
Escambia.	Lake Farley.	Youmachichi.
Federal Bridge.		

COMMERCIAL SHIP STATIONS, ALPHABETICALLY BY CALL SIGNALS.

KIR, read Eagle; strike out all particulars following the call signals KESS, KIFM, KJEO, WCN, WFI, and WPA.

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.]

New London, Conn. (C. G. Academy), read New London, Conn. (Navy radio).
 Relief Light Vessel No. 72, strike out all particulars.
 Relief Light Vessel No. 78, read NITP.
 Relief Light Vessel No. 90, read NITQ.

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.]

Kemaydin read Kewaydin.
 Murvine read Mervine.
 Sunmadin read Sunnadin.

Strike out all particulars of the following-named vessels:

Anderton.	Lake Weston.	S. P. 267.
Buford.	Leviathan.	S. P. 543.
Cap Finisterre.	Logan.	S. P. 666.
Carib.	Mallory.	Subchaser No. 2.
Chesapeake.	Manna Hatta.	Subchaser No. 3.
Choctaw.	Martha Washington.	Subchaser No. 189.
Edgar F. Luckenbach.	Merritt.	Subchaser No. 204.
Finland.	Mobile.	Susquehanna.
Fred Luckenbach.	Monaghan.	Tiger.
Graf Waldersee.	Newton.	West Coast.
Hazleton.	Philippines.	Western Chief.
Hisko.	Pocohontas.	West Elcasco.
Hubbard.	Pretoria.	West Gambo.
Jenkins.	Prinz Friedrich Wilhelm.	West Hobomac.
Julia Luckenbach.	Radnor.	West Humhaw.
Katrina Luckenbach.	R. J. Anderton.	West Lianga.
Konigen der Nederlanden.	Santa Malta.	West Mahomet.
Lake Bloomington.	Santa Rosa.	Zepplin.

GOVERNMENT LAND AND SHIP STATIONS, ALPHABETICALLY BY CALL SIGNALS.

NAXN, read Kewaydin; NEJB, read Sunnadin; NITR, read NITP; NITS, read NITQ; NRZ, read New London, Conn. (Navy radio); NUMJ, read Mervine; strike out all particulars following the call signals NCK, NEI, NEJ, NID, NIF, NKJ, NKL, NMJ, NNV, NOU, NTV, NADC, NADG, NADN, NADS, NAFD, NAFG, NAGN, NAJF, NALD, NAMP, NAQX, NARM, NASS, NATV, NAVQ, NAVZ, NAZD, NEBB, NEBD, NEBL, NEBM, NEBP, NEBT, NECQ, NEFB, NELS, NEMK, NEMR, NEND, NETP, NIVB, NIVD, NIVF, NIVG, NIVK, NIVL, NOBC, NOBD, NOMK, NONF, NUDC, NUFF, and NUJB.

MISCELLANEOUS.

AMENDMENTS.

INTERFERENCE.

Several reports have been received by the Bureau of unnecessary conversation by ship radio operators, causing serious interference.

If the investigation being made by this Bureau develops violations of section 5 of the act of August 13, 1912, appropriate action will be taken to punish the offenders.

LICENSE CANCELED.

Commercial first-grade license No. 13043, issued April 28, 1918, has been canceled because of the holder transmitting by radio obscene language.

CHANGE MADE IN STATION AT BALBOA, CANAL ZONE.

On page 88 of the List of Radio Stations of the United States, edition June 15, 1919, the last sentence of the paragraph regarding time signals transmitted by the Balboa, C. Z. station, the following should be deleted: "but so interrupted by a chopper as to be audible on a crystal detector."

UNITED STATES NAVAL RADIO COMPASS STATIONS.

In order to allow merchant vessels more time to have their transmitters tuned to the radio compass wave length of 800 meters, United States naval shore radio compass stations will continue to take bearings on the additional wave length of 600 meters until April 1, 1920. After that date all radio compass work will be conducted exclusively on the 800-meter wave length.

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