

RADIO SERVICE BULLETIN

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

Washington, October 1, 1919—No. 30.

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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.

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NEW STATIONS.

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—
Ajltak, Alaska.....	KYL	300, 550, 600	P	X	Alaska Packers' Assn.
Karluk, Alaska.....	KYK	300, 550, 600	P	X	Do.
Nakat Inlet, Alaska.....	KDW	300, 550, 600	P	X	G. W. Hume & 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.				
Alameda.....	KOBN	4	4	PG	X	U. S. Shipping Board.	Owner of vessel.
Algonquin.....	KIZT	4	4	PG	X	do.	Do.
Aquilo.....	KOCJ	4	4	PG	X	do.	Do.
Baldhill.....	KOBV	4	4	PG	X	do.	Do.
Bannack.....	KIZQ	4	4	PG	X	do.	Do.
Barwick.....	KOBR	4	4	PG	X	do.	Do.
Bartolome.....	KOBS	4	4	PG	X	do.	Do.
Bellemina.....	KODS	4	4	PG	X	do.	Do.
Bird City.....	KOBF	4	4	PG	X	do.	Do.
Continental Bridge.....	KOCP	4	4	PG	X	do.	Do.
Clark Mills.....	KOCQ	4	4	PG	X	do.	Do.
Deroche.....	KOBJ	4	4	PG	X	do.	Do.
Dewey.....	KODT	4	4	PG	X	do.	Do.
Editor.....	KOBG	4	4	PG	X	do.	Do.
Elkhorn.....	KOCL	4	4	PG	X	do.	Do.
Endicott.....	KODN	4	4	PG	X	do.	Do.
Eptacio Pessoa.....	KOCC	4	4	PG	X	do.	Do.
Federal Bridge.....	KOCN	4	4	PG	X	do.	Do.
Fire Island.....	KODJ	4	4	PG	X	do.	Do.
Gonzalls.....	KOBQ	4	4	PG	X	do.	Do.
Hathaway.....	KODK	4	4	PG	X	do.	Do.
Hercules.....	KOCT	4	4	PG	X	do.	Do.
Hog Island.....	KODV	4	4	PG	X	do.	Do.
Hulaco.....	KODQ	4	4	PG	X	do.	Do.
Imlay.....	KIZV	4	4	PG	X	do.	Do.
Labette.....	KIZX	4	4	PG	X	do.	Do.
Lake Ellijay.....	KOBL	4	4	PG	X	do.	Do.
Lake Ellsworth.....	KOCZ	4	4	PG	X	do.	Do.
Lake Eton.....	KOBZ	4	4	PG	X	do.	Do.
Lake Fiscus.....	KOCG	4	4	PG	X	do.	Do.
Lake Fisher.....	KODD	4	4	PG	X	do.	Do.
Lake Flagstaff.....	KIZM	4	4	PG	X	do.	Do.
Lake Flambeau.....	KIZN	4	4	PG	X	do.	Do.
Lake Girardeau.....	KOCS	4	4	PG	X	do.	Do.
Lake Inglenook.....	KOBT	4	4	PG	X	do.	Do.
Lake Savus.....	KOCB	4	4	PG	X	do.	Do.
Marsodak.....	KOCM	4	4	PG	X	do.	Do.
Menominee.....	KODL	4	4	PG	X	do.	Do.
Nobles.....	KODB	4	4	PG	X	do.	Do.
Nokatay.....	KOCF	4	4	PG	X	do.	Do.
Noahico.....	KOBX	4	4	PG	X	do.	Do.
Orani.....	KOBD	4	4	PG	X	do.	Do.
Pollas.....	KODM	4	4	PG	X	do.	Do.
Rockaway Park.....	KIZZ	4	4	PG	X	do.	Do.
Ruby.....	KOBC	4	4	PG	X	do.	Do.
Salem County.....	KODR	4	4	PG	X	do.	Do.
Shannock.....	KOBB	4	4	PG	X	do.	Do.
Shickshimny.....	KIZP	4	4	PG	X	do.	Do.
John W. Wells.....	KOCR	4	4	PG	X	do.	Do.

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.				
Silets.....	KODG	4	4	PG	X	U. S. Shipping Board.	Owner of vessel.
Sunbeam.....	KODC	4	4	PG	X	do.....	Do.
Texarkana.....	KOCD	4	4	PG	X	do.....	Do.
Yaphank.....	KOBM	4	4	PG	X	do.....	Do.
Vanada.....	KOBF	4	4	PG	X	do.....	Do.
Vincent.....	KIZS	4	4	PG	X	do.....	Do.
West Caddow.....	KODF	4	4	PG	X	do.....	Do.
West Jaffrey.....	KOCX	4	4	PG	X	do.....	Do.
West Katan.....	KOBK	4	4	PG	X	do.....	Do.
West Pocasset.....	KOCK	4	4	PG	X	do.....	Do.
West Saginaw.....	KOCV	4	4	PG	X	do.....	Do.
Winona County.....	KIZR	4	4	PG	X	do.....	Do.

COMMERCIAL LAND AND SHIP STATIONS, ALPHABETICALLY BY CALL SIGNALS.

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

Call signal.	Name.	Call signal.	Name.
KIZM	Lake Flagstaff.....b	KOCG	Lake Fiscus.....b
KIZN	Lake Flambeau.....b	KOCJ	Aquilo.....b
KIZP	Shickshinny.....b	KOCK	West Pocasset.....b
KIZQ	Bannack.....b	KOCL	Elkhorn.....b
KIZR	Winona County.....b	KOCM	Marsodak.....b
KIZS	Vincent.....b	KOCN	Federal Bridge.....b
KIZT	Algonquin.....b	KOCP	Continental Bridge.....b
KIZV	Imlay.....b	KOCQ	Clark Mills.....b
KIZX	Labette.....b	KOCR	John W. Wells.....b
KIZZ	Rockaway Park.....b	KOCS	Lake Girardeau.....b
		KOCT	Hercules.....b
KOBB	Shannock.....b	KOCV	West Saginaw.....b
KOBC	Ruby.....b	KOCX	West Jaffrey.....b
KOBD	Orani.....b	KOCZ	Lake Ellsworth.....b
KOBF	Vanada.....b		
KOBG	Editor.....b	KODB	Nobles.....b
KOBJ	Deroche.....b	KODC	Sunbeam.....b
KOBK	West Katan.....b	KODD	Lake Fisher.....b
KOBL	Lake Ellijay.....b	KODF	West Caddow.....b
KOBM	Yaphank.....b	KODG	Silets.....b
KOBN	Alameda.....b	KODJ	Fire Island.....b
KOBP	Bird City.....b	KODK	Hathaway.....b
KOBQ	Gonzalis.....b	KODL	Menominee.....b
KOBR	Barwick.....b	KODM	Polias.....b
KOBS	Bartolome.....b	KODN	Endicotte.....b
KOBT	Lake Inglenook.....b	KODQ	Hulaco.....b
KOBV	Baldhill.....b	KODR	Salem County.....b
KOBX	Noshico.....b	KODS	Bellemina.....b
KOBZ	Lake Elon.....b	KODT	Dewey.....b
		KODV	Hog Island.....b
KOCB	Lake Savus.....b	KDW	Nakat Inlet, Alaska.....c
KOCC	Epitacio Pessoa.....b	KYK	Kariuk, Alaska.....c
KOCD	Texarkana.....b	KYL	Alitak, Alaska.....c
KOCF	Nokatay.....b		

GOVERNMENT 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—
Anacostia, D. C. (laboratory).....	NOF	.....	O	X	United States Navy. Bureau of Education.
Atka, Alaska.....	WJI	300, 550, 600, 1650.	PR	X	
Noorvik, Alaska.....	NZO	300, 550, 600, 1500.	PR	X	Do.
Washington, D. C. ^a	WWV	.....	O	X	Bureau of Standards. United States Navy.
Washington, D. C. (laboratory)	NSJ	.....	O	X	

^a Experimental station.

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.
Dubuque.....	NEU	Petrel.....	NOZ
Flusser.....	NFS	Preston.....	NQO
Iris.....	NALL	Princeton.....	NEGT
Jason.....	NNB	Tuscarora.....	NRL
J. B. Hinton.....	NDS	Wainwright.....	NKX
Lamson.....	NIW	Worden.....	NWP
Marietta.....	NJQ		

GOVERNMENT LAND AND SHIP RADIO STATIONS, ALPHABETICALLY BY CALLS.

Call signal.	Name of station.	Call signal.	Name of station.
NDS	J. B. Hinton..... b	NQO	Preston..... b
NEU	Dubuque..... b	NRL	Tuscarora..... b
NFS	Flusser..... b	NSJ	Washington, D. C. (navallaboratory) c
NIW	Lamson..... b	NWP	Worden..... b
NJQ	Marietta..... b	NALL	Iris..... b
NKX	Wainwright..... b	NEGT	Princeton..... b
NNB	Jason..... b	WJI	Atka, Alaska..... c
NOF	Anacostia, D. C..... c	WWV	Washington, D. C. (experimental).... c
NOZ	Petrel..... 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—
Baltimore, Md.....	3XD	Johns Hopkins University.
Camp Dix, N. J.....	2YA	Knights of Columbus.

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 LAND STATIONS, ALPHABETICALLY BY NAMES OF STATIONS.

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

ALITAK BAY, ALASKA.—Name changed to Lazy Bay, Alaska.

ANDREAFSKY, ALASKA.—Strike out all particulars.

JUALIN, ALASKA.—W. L., 300,550,600, 1900; service, P; hours, X; note, station operated and controlled by Jualin Alaska Mines Co.

KENSINGTON, ALASKA.—Strike out all particulars.

KVICHAVAK, ALASKA.—Correct name Kvichak.

LOCKANUK, ALASKA.—Correct name Lockanok.

PENAKEE INLET, ALASKA.—Correct name Tenekee; W. L., 300,550,600; service, P; hours, X.

TELLER, ALASKA.—Strike out all particulars.

UGAGAK, ALASKA.—Should read Egegik.

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.]

ADVANCE.—Note, station operated and controlled by Independent Wireless Telegraph Co.

ALLIANCA.—Note, station operated and controlled by Independent Wireless Telegraph Co.

BERINGTON.—Name changed to Miller County.

BIGBEE.—Name changed to Cecil County.

BRISTOL.—Note, station operated and controlled by Marconi Co.

BROADBILL.—Strike out all particulars.

COASTWISE.—Note, station operated and controlled by Marconi Co.

COLON.—Note, station operated and controlled by Independent Wireless Telegraph Co.

CRISTOBAL.—Note, station operated and controlled by Independent Wireless Telegraph Co.

DAHINDA.—Name changed to Hampton Roads.

DEFIANCE (WRP).—Strike out all particulars.

DORA.—Note, N. C. Eggen owner of vessel.

FAIRMONT.—Note, station operated and controlled by Marconi Co.

- FEARLESS.**—Strike out all particulars.
GEN. H. F. HODGES.—Note, station operated and controlled by Independent Wireless Telegraph Co.
GEN. O. H. ERNST.—Note, station operated and controlled by Independent Wireless Telegraph Co.
HAMPDEN.—Note, station operated and controlled by Mareconi Co.
HERCULES (WRP).—Strike out all particulars.
KANAKANAK.—Strike out all particulars.
MIDDLESEX.—Note, station operated and controlled by Marconi Co.
MONTARA.—Name changed to Willamette.
NEABSCÖ.—Note, owner of vessel, Nacirema S. S. Corp.; station operated and controlled by Marconi Co.
NORFOLK.—Note, station operated and controlled by Marconi Co.
PANAMA.—Note, station operated and controlled by Independent Wireless Telegraph Co.
SEA ROVER.—Strike out all particulars.
TIDEWATER.—Note, owner of vessel, Nafra Co. (Inc.).
TRANSPORTATION.—Note, station operated and controlled by Marconi Co.
WINNEBAGO.—Note, owner of vessel, Winnebago S. S. Corp.
WYE.—Strike out all particulars.

COMMERCIAL LAND AND SHIP STATIONS, ALPHABETICALLY BY CALL SIGNALS.

KDN, strike out all particulars; KEPS, read Lazy Bay, Alaska; KERS, strike out all particulars; KERX, read Miller County; KERZ, read Cecil County; KESR, read Hampton Roads; KGU, strike out all particulars; KHB, read Kvichak, Alaska; KMF, read Egegik, Alaska; KMI, read Lockanok; KSE, strike out all particulars; KWT, strike out all particulars; KYG, read Tenekee; WOB, strike out all particulars; WRP, strike out all particulars; WSW, read Willamette.

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 following Jualin, Alaska.

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.]

Green, read Greene; John B. Hinton, read NDZ; La Valette, read La Vallette; Sunnadin, read Sunmadin; Wainwright, read NKX.

Strike out particulars of the following-named vessels:

Aloha.	Houma.	Moldegaard.
Alpaco.	Hoxbar.	Peerless.
Anniston.	Huron.	Plover.
Arctic.	Isabela.	Powhatan.
Banago.	James.	Princess Matoika.
Baxley.	J. M. Guffey.	Rogday.
Bay Ocean.	Katherine W. Cullen.	Sheridan.
Callao.	Lake Charlotte.	Shrike.
Chestnut Hill.	Lake Clear.	S. P. 1841.
Condor.	Lake Frances.	S. P. 2232.
Cythera.	Lake Gakona.	Sub. chaser 201
Democracy.	Lake Harney.	Sub. chaser 285
Dorothea.	Lake Harris.	Sub. chaser 286
Ducon.	Lake St. Clair.	Sub. chaser 355
Eastern Queen.	Lake Traverse.	Stephan.
El Oriente.	Lake Tulare.	Taconia.
El Sol.	Long Beach.	Texan.
Evansville.	Louisville.	Tuscarora.
Gen. Knox.	Maartensdijk.	Tjiondari.
Goshawk.	Marica.	Vega.
Guinevere.	Maui.	Vesuvius.
Hinton.	Milwaukee.	Westerner.

GOVERNMENT LAND AND SHIP STATIONS, ALPHABETICALLY BY CALL SIGNALS.

NEVB, read Sunmadia; NIGM, read Greene; NUJT, read La Vallette; NDS, read NDZ; NULF, read NKX. Strike out all particulars following the call signals NBQ, NBY, NEG, NFB, NFJ, NHM, NJN, NKO, NQD, NQG, NRL, NTS, NUP, NVB, NVM, NABL, NAFK, NAGR, NAGZ, NAJM, NAKB, NAPQ, NAQZ, NASL, NATK, NATR, NAUX, NAXX, NAZN, NEBZ, NECF, NECM, NECP, NEFJ, NEFM, NEFZ, NEGR, NELM, NELS, NELT, NEMN, NENK, NEPM, NEQJ, NEQR, NERC, NERK, NESK, NETM, NETN, NEXQ, NEZF, NIJC, NIJD, NIJZ, NIKJ, NISE, NITF, NITJ, NIXC, NONB, NOSN, NOSP, NOXV, NUFT, NUFV, NUKK,

MISCELLANEOUS.

LA PALMA STATION IN OPERATION.

Herewith is printed a copy of circular received from the Executive Office of the Panama Canal:

Circular No. 643-60.

BALBOA HEIGHTS, CANAL ZONE,
July 11, 1919.

The U. S. naval radio station La Palma, located on Stanley Island, at the head of San Miguel Bay (latitude $8^{\circ} 26' 00''$, longitude $78^{\circ} 08' 30''$) is now in operation. The station is located $1\frac{1}{2}$ miles from the town of La Palma, R. P., in the Darien District, Province of Panama.

La Palma is operated by the U. S. Naval Communication Service and is prepared to handle United States and Panamanian Government dispatches free of charge. The station also handles commercial traffic at rates which may be obtained from the naval radio station, Balboa, Canal Zone.

The following daily schedule of watches will be maintained by La Palma Radio: 5 to 10 a. m.; 12 noon to 3 p. m.; 5 to 8 p. m. All messages for this station will be handled via Balboa radio on above schedules. Messages received at Balboa at any time outside of schedule can not be transmitted until the following schedule.

(Signed) CHESTER HARDING,
Governor.

RESTRICTIONS ON RADIO AMATEURS REMOVED.

Effective October 1, 1919, all restrictions on amateurs and amateur radio stations are removed. This applies to amateur stations, technical and experimental stations at schools and colleges, and to all other stations, except those used for the purpose of transmitting or receiving commercial traffic of any character, including the business of the owners of the stations.

The restrictions on stations handling commercial traffic will be removed as soon as the President proclaims that a state of peace exists.

Attention is invited to the fact that all licenses for transmitting stations have expired and that it will be necessary for amateurs to apply to the Department of Commerce, Bureau of Navigation, for new licenses.

NOTIFICATIONS FROM THE BERNE INTERNATIONAL BUREAU.

CANADA.

Beginning July 24, the restrictions concerning radio telegrams have been raised. Consequently, conditions which existed before the war have been reestablished.

GREAT BRITAIN.

Under date of August 7, the General Post Office at London advised the Berne bureau that it has raised the restriction affecting transmission of private radio telegrams bound for or from a coast station or a ship station under British authority in the waters of the Mediterranean Sea.

ITALY AND ERYTHREE.

On August 15, the following coast stations were opened to general public communication: Genoa, Naples, Cape Sperone, Vittoria, San Cataldo, Bari, Ancona, Venezia, and Massaua.

AMATEUR RADIO OPERATORS.

Before operating transmitting stations it is necessary to take an examination and secure an operator's license and have on file with the district radio inspector a formal application for station license. If there will be delay in issuing your station license, the radio inspector can assign radio call letters when the application is received.

All amateurs should be familiar with the Radio Laws and Regulations. This publication can be procured from the Superintendent of Documents, Government Printing Office, Washington, D. C. Price, 15 cents.

All transmitting sets should be inductively coupled. Stations having what is known as plain aerial, or the spark gap directly in the antenna circuit, will not be licensed where they do not comply with regulations 3 and 4 of the act of August 13, 1912.

The List of Radio Stations of the United States, edition of June 15, 1919, does not contain amateur stations. This publication can be procured from the Superintendent of Documents, Government Printing Office, Washington, D. C. Price, 10 cents.

A list of amateur stations may be published about the 1st of January, 1920.

Any additional information required by amateurs may be obtained from the radio inspectors of their districts. Their addresses follow:

Radio Inspector, Customhouse, Boston, Mass.
 Radio Inspector, Customhouse, New York, N. Y.
 Radio Inspector, Customhouse, Baltimore, Md.
 Radio Inspector, Customhouse, New Orleans, La.
 Radio Inspector, Customhouse, San Francisco, Calif.
 Radio Inspector, Federal Building, Detroit, Mich.
 Radio Inspector, Federal Building, Chicago, Ill.
 Radio Inspector, 205 Citizens Bank Building, Norfolk, Va.
 Radio Inspector, 2301 L. C. Smith Building, Seattle, Wash.

The territory covered by each district is shown on page 68 of the Radio Laws and Regulations. Amateurs in the fourth district (headquarters, Savannah, Ga.), should address their communications to the Radio Inspector, Customhouse, Baltimore, Md.

ADDITIONAL COPIES

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