

# RADIO SERVICE BULLETIN

ISSUED MONTHLY BY BUREAU OF NAVIGATION, DEPARTMENT OF COMMERCE

Washington, September 1, 1920—No. 41

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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.

HE 8677  
.A3  
20

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

[Additions to the List of Radio Stations of the United States, edition of June 30, 1920, and to the International List of Radiotelegraph Stations published by the Berne bureau.]

Station.	Call signal.	Wave lengths.	Service.	Hours.	Station controlled by—
Dearborn, Mich.....	KDEN	{ 300, 400, 180, 500, 520, 600 }	PR	X	Henry Ford.
Northville, Mich.....	KDEP		PR	X	Do.

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

[Additions to the List of Radio Stations of the United States, edition of June 30, 1920, 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.				
Algic.....	KDDC	4	4	PG	X	U. S. Shipping Board.	
Atlanta of Texas.....	KDCN	4	4	PG	X	do.	
Bayside.....	KDDX	4	4	PG	X	do.	
Bayspring.....	KDDW	4	4	PG	X	do.	
Carenco.....	KDDM	4	4	PG	X	do.	
Carlton.....	KDDK	4	4	PG	X	do.	
Carrlake.....	KDES	4	4	PG	X	do.	
Carrabulle.....	KDER	4	4	PG	X	do.	
Cassimir.....	KDDZ	4	4	PG	X	do.	
Cody.....	KDEX	4	4	PG	X	do.	
Culberson.....	KDDV	4	4	PG	X	do.	
Delivery No. 5.....	KDCK			PG	X	Standard Oil Co. of N. Y.	
Derblay.....	KDDT	4	4	PG	X	U. S. Shipping Board.	
Eastern Soldier.....	KDED	4	4	PG	X	do.	
Egoria.....	KDCJ			PG	X	Coast Shipbuilding Co.	
Elmac.....	KDCY			PG	X	Saginaw Shipbuilding Co.	
Geo. L. Harvey.....	KDET			PG			
George Washington.....	KDCL	4	4	PG	N	U. S. Shipping Board.	
Gladysbe.....	KDEF			PG	N	H. S.-Mex. Oil Corp.	
Golden State.....	KDCM	4	4	PG	X	U. S. Shipping Board.	
Gulfstar.....	KDEB	4	8	PG	X	Gulf Refining Co.	
Halo.....	KDCP	4	4	PG	X	U. S. Shipping Board.	
Halsey.....	KDDR	4	4	PG	X	do.	
Hastings.....	KDDL	4	4	PG	X	do.	
Haynic.....	KDCR	4	4	PG	X	do.	
Heber.....	KDDU	4	4	PG	X	do.	S. O. R. S.
Hera.....	KDGA	4	4	PG	X	do.	
Hoboken.....	KDEQ						
Hollywood.....	KDCS	4	4	PG	X	U. S. Shipping Board.	
Houston.....	KDCO	4	4	PG	X	do.	
I. C. White.....	KDDR			PG	X	Pan-American Petroleum & Transport Co.	
Jalapa.....	KDCW	4	4	PG	X	U. S. Shipping Board.	
John Englis.....	KDDJ	4	4	PG	X	do.	
Loki.....	KDGD	4	4	PG	X	do.	
Lorraine Cross.....	KDDE	4	4	PG	X	do.	
Mevania.....	KDCQ	4	4	PG	X	do.	R. C. of A.
Mosefia.....	KDCQ	4	4	PG	X	do.	Do.
Mount Vernon.....	KDCZ	4	4	PG	X	do.	
Niobe.....	KDGB	4	4	PG	X	do.	
Palo Alto.....	KDCT	4	4	PG	X	do.	
Pawnee.....	KDGC	4	4	PG	X	do.	
Philip Publicker.....	KDEW						

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.				
Red Hook.....	KDDA	Cents. 4	Cents. 4	PG	X	U. S. Shipping Board.	Owner of vessel.
Reginolite.....	KDEM			PG	X	Humble Oil & Refining Co.	
Santa Eulalia.....	KDDY			PG	X	American & Cuba S. S. line.	
Sialia.....	WFY	8	8	PG	X	Henry Ford.....	
Steel Engineer.....	KDCX			PG	N	U. S. Steel Products Co.	
Steel Exporter.....	KDDN			PG	N	do.....	
Stockton.....	KDDS	4	4	PG	X	do.....	
Suduffco.....	KDDO			PG	X	Submarine Boat Corp.	
Sudurco.....	KDEY			PG	X	do.....	
Sumanco.....	KDDH			PG	X	do.....	
Surico.....	KDDP			PG	X	do.....	
Susherico.....	KDDQ			PG	X	do.....	
Sutermco.....	KDDI			PG	X	do.....	
Syros.....	KDEC	4	4	PG	X	U. S. Shipping Board.	
Theodore F. Reynolds.....	KDDG			PG	X	McDougal-Duluth S. B. Co.	
West Canon.....	KDCV	4	4	PG	X	U. S. Shipping Board.	
Wotan.....	KDGE	4	4	PG	X	do.....	
Yaka.....	KDDF	4	4	PG	X	do.....	

COMMERCIAL LAND AND SHIP STATIONS, ALPHABETICALLY BY CALL SIGNALS.

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

Call signal.	Name.	Call signal.	Name.
KDCJ	Egeria.....	b	
KDCK	Delivery No. 5.....	b	KDDP
KDCL	George Washington.....	b	KDDQ
KDCM	Golden State.....	b	KDDR
KDCN	Atlanta of Texas.....	b	KDSS
KDCO	Houston.....	b	KDDT
KDCP	Halo.....	b	KDDU
KDCQ	Mosella.....	b	KDDV
KDCR	Haynie.....	b	KDDW
KDCS	Hollywood.....	b	KDDX
KDCT	Palo Alto.....	b	KDDY
KDCU	Mevania.....	b	KDDZ
KDCV	West Canon.....	b	KDEB
KDCW	Jalapa.....	b	KDEC
KDCX	Steel Engineer.....	b	KDED
KDCY	Elmac.....	b	KDEM
KDCZ	Mount Vernon.....	b	KDEN
KDDA	Red Hook.....	b	KDEP
KDDB	I. C. White.....	b	KDEQ
KDDC	Algie.....	b	KDER
KDDE	Lorraine Cross.....	b	KDES
KDDF	Yaka.....	b	KDET
KDDG	Theodore F. Reynolds.....	b	KDEV
KDDH	Sumanco.....	b	KDEW
KDDI	Sutermco.....	b	KDEX
KDDJ	John Englis.....	b	KDEY
KDDK	Carlton.....	b	KDGA
KDDL	Hastings.....	b	KDGB
KDDM	Carenco.....	b	KDGC
KDDN	Steel Exporter.....	b	KDGD
KDDO	Suduffco.....	b	KDGE
			WFY
			Surico.....
			Susherico.....
			Halsey.....
			Stockton.....
			Derbiay.....
			Heber.....
			Culberson.....
			Bayspring.....
			Bayside.....
			Santa Eulalia.....
			Cassimir.....
			Gulfstar.....
			Syros.....
			Eastern Soldier.....
			Reginolite.....
			Dearborn, Mich.....
			Northville, Mich.....
			Hoboken.....
			Carrabulle.....
			Carplake.....
			Geo. L. Harvey.....
			Gladysbe.....
			Philip Publicker.....
			Cody.....
			Sudurco.....
			Hera.....
			Niobe.....
			Pawnee.....
			Loif.....
			Wotan.....
			Sialia.....

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

[Additions to the List of Radio Stations of the United States, edition of June 30, 1920, and to the International List of Radiotelegraph Stations published by the Berne bureau.]

Station.	Call signal.	Station controlled by—
Cheyenne, Wyo.....	KDEG	Post Office Department.
Elko, Nev.....	KDEJ	Do.
Omaha, Nebr.....	KDEF	Do.
Reno, Nev.....	KDEK	Do.
Salt Lake, Utah.....	KDEH	Do.
St. Louis, Mo.....	KDEL	Do.

NOTE. All of the above are air mail stations.

### GOVERNMENT SHIP STATIONS, ALPHABETICALLY BY NAMES OF STATIONS.

[Additions to the List of Radio Stations of the United States, edition of June 30, 1920.]

Name of ship.	Call signal.	Name of ship.	Call signal.
Sumner.....	NUQX		

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

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

Call signal.	Name of station.	Call signal.	Name of station.
KDEF	Omaha, Nebr.....c	KDEK	Reno, Nev.....c
KDEG	Cheyenne, Wyo.....c	KDEL	St. Louis, Mo.....c
KDEH	Salt Lake, Utah.....c	NUQX	Sumner.....b
KDEJ	Elko, Nev.....c		

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

[Additions to the List of Radio Stations of the United States, edition of June 30, 1920, only.]

Station.	Call signal.	Station controlled by—
Belfast, Me.....	1XR	International Radio Telegraph Co.
Boston, Mass.....	1YS	Massachusetts Radio and Training School.
Chicago, Ill.....	9YL	Armour Institute of Technology.
Cleveland, Ohio.....	8XC	Glenn L. Martin Co.
Culver, Ind.....	9YQ	Culver Military Academy.
Detroit, Mich.....	8YE	Cass Technical High School.
New Orleans, La.....	5YJ	Knights of Columbus.
Philadelphia, Pa.....	3YF	Pennsylvania-Mareoni Wireless School.
Rockland, Me.....	1XQ	International Radio Telegraph Co.
St. Louis, Mo.....	9YK	St. Louis University.
Yonkers, N. Y.....	2XO	Walter G. Hudson.

## SPECIAL LAND STATIONS GROUPED BY DISTRICTS.

Call signal.	District and station.	Call signal.	District and station.
1XQ	First district: Rockland, Me.	5YJ	Fifth district: New Orleans, La.
1XR	Belfast, Me.	8XC	Eighth district: Cleveland, Ohio.
1YS	Boston, Mass.	8YE	Detroit, Mich.
2XO	Second district: Yonkers, N. Y.	9YK	Ninth district: St. Louis, Mo.
3YF	Third district: Philadelphia, Pa.	9YL	Chicago, Ill.
		9YQ	Culver, Ind.

## 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.)
I. W. T. Co.	=Independent Wireless Telegraph Co.
R. C. of A.	=Radio Corporation of America.
S. O. R. S.	=Ship Owners Radio Service.
Co.	=Company.
Corpn.	=Corporation.
&	=And.

## ALTERATIONS AND CORRECTIONS.

## COMMERCIAL LAND STATIONS.

[Alterations and corrections to be made to the List of Radio Stations of the United States, edition of June 30, 1920, and to the International List of Radiotelegraph Stations, published by the Berne bureau.]

ROCKLAND, ME.—Service, PR; hours, X.

## 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 30, 1920, and to the International List of Radiotelegraph Stations, published by the Berne bureau.]

ANTINOUS.—Green Star S. S. Corporation, owner of vessel; station operated and controlled by I. W. T. Co.

ARGUS.—Green Star S. S. Corporation, owner of vessel.

BOOBYALLA.—Pacific Motorship Co., owner of vessel.

COMUS.—Station operated and controlled by owner of vessel.

FOREST KING.—A Schubach, owner of vessel.

GLENDOLA.—Glendola S. S. Corporation, owner of vessel.

GLORIETA.—Name changed to Munisla.

MOCCASIN.—Name changed to Porto Rico.

PHYLLIS.—W. R. Chamberlin owner of vessel.

REDONDO (KYT).—Station operated and controlled by owner of vessel.

SIBONEY.—New York & Cuba Mail S. S. Co. owner of vessel.

SUSQUEHANNA (WEM).—Station operated and controlled by owner of vessel.

WEST CAVANAL.—Imperial Shipping Corporation owner of vessel.

WEST IRMO.—Imperial Shipping Corporation owner of vessel.

W. K. BIXBY.—Name changed to J. L. Reiss.

WOUDRICHEM.—Kennebec S. S. Corporation owner of vessel.

THE STATIONS OF THE FOLLOWING-NAMED VESSELS ARE OPERATED  
AND CONTROLLED BY THE SHIP OWNERS RADIO SERVICE (INC.).

Alamosa.	Pulaski.	Lake Slavi.
City of Fort Worth.	Lake Ikatan.	Tolosa.
Eastern Exporter.	Lake Rushville.	Union Liberty.
Hoxie.		

THE STATIONS OF THE FOLLOWING-NAMED VESSELS ARE OPERATED  
AND CONTROLLED BY THE RADIO CORPORATION OF AMERICA.

Cecil County.	Jolee.	Lake Hector.
Chester Kiwanis.	Lake Flournoy.	Rotarian.
Hahira.	Lake Getaway.	Sapulpa.
Haymon.	Lake Giddings.	West Kedron.
James Otis.		

THE STATIONS OF THE FOLLOWING-NAMED VESSELS ARE OPERATED AND  
CONTROLLED BY THE INDEPENDENT WIRELESS TELEGRAPH CO.

Agwimoon.	Lake Fandon.	Salaam.
Anna E. Morse.	Lake Furnas.	Santa Rita.
Depere.	Lake Inglenook.	Sebonac.
Honnedaga.	Mattole.	West Holbrook.
Lake Fairport.	Nansemond.	West Notus.
Lake Fandango.		

Strike out all particulars of the following-named vessels:

Aurora.	Jason.	Providencia.
Belgrade.	Lake Frecks.	Quapaw.
Bonifay.	Lakeland.	Rochellie.
Boonsborough.	Margaret.	Shelter Island.
Boreta.	Namecki.	Snug Harbor.
Congaree.	Okesa.	Tankerville.
Darrah.	Oran.	West Aleta.
Guilford.		

COMMERCIAL LAND AND SHIP STATIONS, ALPHABETICALLY BY CALL  
SIGNALS.

KJO, *read* Munisla; KURJ, *read* J. L. Reiss; and WJG, *read* Porto Rico. Strike out all particulars following the call signals KBOU, KDCC, KELL, KEMP, KENT, KETC, KIQG, KNJ, KOKB, KPOO, KUNX, WBAA, WFAA, WIK, WJAU, WQK, WROU, WRQ, WVEA, WXEE, WXUE, and WZIA.

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 30, 1920.]

CROSS ISLAND, ME.—Strike out all particulars.

FORT STEVENS, OREG.—Call letters changed, NPE.

MANATI, CUBA.—Strike out all particulars.

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 30, 1920.]

H-1.—Strike out all particulars.  
MOUNT VERNON.—Strike out all particulars.

GOVERNMENT LAND AND SHIP STATIONS, ALPHABETICALLY BY CALL SIGNALS.

NPE, read Fort Stevens, Oreg. Strike out all particulars following the call signals NFL, NMB, NYC, and WUAA.

SPECIAL LAND STATIONS, BY NAMES OF STATIONS.

DEARBORN, MICH. (8XD).—Strike out all particulars.  
NORTHVILLE, MICH. (8XL).—Strike out all particulars.

MISCELLANEOUS.

IMPROPER USE OF STORAGE BATTERY.

It has been brought to the attention of the Bureau that operators have been using auxiliary source of power (storage battery), for the operation of audions.

The auxiliary source of power must not be used for any purpose other than that required by section 1, act of June 24, 1910, amended July 23, 1912.

The battery must be kept fully charged and ready for immediate use.

Any defects in the battery or any other part of the radio equipment should be reported to the master of the vessel immediately.

Such neglect of duty on the part of operators may be considered sufficient cause for the suspension or revocation of their license.

INTERNATIONAL RADIO TELEGRAPH CO'S. RATES.

The International Radio Telegraph Co. has been authorized to charge 10 cents per word (with no minimum number of words), for transoceanic and coastwise ships which ply between ports, one of which is more than 200 miles from New York, effective October 1, 1920. This rate applies to the Newport, R. I., New London, Conn., and Brooklyn, N. Y., stations of the above-named company.

NEW INTERNATIONAL ABBREVIATIONS.

This office is informed by the Berne Bureau as follows:

Abbreviation.	Question.	Response or advice.
QTC...	Have you anything to transmit .....	I have something to transmit. I have one or more radiograms for —.

*New signification of abbreviation QRU.*

QRU .....	I have nothing to transmit. I have nothing for you.
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## OPERATOR'S LICENSE SUSPENDED.

License No. 19544, issued at Philadelphia, September 20, 1919, has been suspended for a period of three months on account of the holder of the license violating Article VI of the service regulations and the International Convention. The offending operator in this case caused superfluous signals to be transmitted.

## NORMAL WAVE LENGTH.

Every coast station open to general public service is required to have a normal sending and receiving wave length of 600 meters, and all general public service with ship stations must be conducted on 300, 600, or 1,800 meters.

The department interprets the radio laws and the London Convention to require that every coast station, excepting general and restricted amateur, shall have a normal wave length of 600 meters for use in case of distress or emergency, and licenses issued for such stations so indicate.

The indication of a 600-meter normal wave length for a special station does not mean that the station shall use this wave length for its *normal* business. All radio communication, other than general public service, must be conducted on some authorized wave length other than 300, 600, or 1,800 meters, but the station is required, when open and no special business is being conducted, to listen in with the receiving apparatus tuned to receive the 600-meter wave length and must be prepared to transmit on 600 meters if necessary.

The Radio Laws and Regulations, edition of August 15, 1919, page 52, paragraphs 38 to 50, inclusive, bear on this subject, and paragraph 44 provides that all coast stations shall listen in at intervals of not more than 15 minutes and for not less than 2 minutes, with the receiving apparatus adjusted to receive a 600-meter wave length. The act of August 13, 1912, section 4, regulation 11, requires general public-service coast stations to listen in at intervals of not less than 15 minutes and for a period of not less than 2 minutes with the receiver tuned to receive messages of 300-meter wave lengths.

## INDEPENDENT WIRELESS TELEGRAPH CO.'S RATES.

The Independent Wireless Telegraph Co. has been authorized to charge 10 cents per word, no minimum, at their New York station (WSE) for coastwise and transoceanic ships. This rate effective beginning October 1, 1920.

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