

RADIO SERVICE BULLETIN

ISSUED MONTHLY BY BUREAU OF NAVIGATION, DEPARTMENT OF COMMERCE

Washington, January 3, 1921—No. 45

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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.

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—
Camotes, P. I.....	KDMW.				Philippine Insular Government, Continental Radio Telegraph & Telephone Co.
Port Worth, Tex. ¹ ...	KDMK.	500	PR	N	
Galveston, Tex. ²	KDLZ.	300, 375, 425, 600	PR	X	Sugarland Industries. Philippine Insular Government, Sugarland Industries.
Port Isabel, P. I.....	KDMX.				
Sugarland, Tex. ²	KDLY.	300, 375, 425, 600	PR	X	

¹ Loc., 0 97° 20' 00", N. 32° 44' 00" (approximately); system, composite, 490; range, 80; rates, to Dallas, Tex., 2c per word; Wichita Falls, Tex., 2½c per word.

² System, Deforest; range, 500; rates, none.

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.				
Agwimars.....	KDMC.			PG	X	Atlantic, Gulf & West Indies S. S. Lines.	I. W. T. Co.
Agwisa.....	KDMB.			PG	X	do.	Do.
Agwiworld.....	KDMD.			PG	X	do.	Do.
City of Elwood.....	KDMV.	4	4	PG	X	U. S. Shipping Board.	
District of Columbia.....	KDMZ.	4	4	PG	X	do.	
Estrada Palma.....	KDMG.					Florida East Coast Railway Co.	
Eugene V. R. Thayer.....	KDMA.			PG	X	Sinclair Navigation Co.	
John Worthington.....	KDMN.						
Joseph M. Cudahy.....	KDMT.			PG	X	Sinclair Navigation Co.	
Mammon.....	KDMH.	4	4	PG	X	U. S. Shipping Board.	
Moffitt.....	KDME.	4	4	PG	X	do.	
Muriel.....	KDMO.			PG	X	Muriel Motorship Corp.	
Nacata.....	KDMM.	4	4	PG	X	U. S. Shipping Board.	
Namasket.....	KDMI.	4	4	PG	X	do.	
Oureq.....	KDMF.	4	4	PG	N	do.	
Peralta.....	KDMJ.	4	4	PG	X	do.	
P. J. Reilly.....	KDMY.			PG	X	National Oil & Transport Co.	
Samuel L. Fuller.....	KDMS.			PG	X	Sinclair Navigation Corp.	
S. C. T. Dodd.....	KDML.	4	8	PG	X	Standard Oil Co. of Calif.	
W. H. Libby.....	KDMP.	4	8	PG	X	Standard Oil Co. of N. J.	
Wichita.....	KDMU.	4	4	PG	X	U. S. Shipping Board.	
Wolverine State.....	KDMQ.	4	4	PG	N	do.	
W. S. Miller.....	KDMR.						

COMMERCIAL LAND AND SHIP STATIONS, ALPHABETICALLY BY CALL SIGNALS.

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

Call signal.	Name.	Call signal.	Name.
KDLY	Sugarland, Tex.....c	KDMM	Nacata.....b
KDLZ	Galveston, Tex.....c	KDMN	John Worthington.....b
KDMA	Eugene V. R. Thayer.....b	KDMO	Muriel.....b
KDMB	Agwises.....b	KDMP	W. H. Libby.....b
KDMC	Agwinars.....b	KDMQ	Wolverine State.....b
KDMD	Agwiworld.....b	KDMR	W. S. Miller.....b
KDME	Moffitt.....b	KDMS	Samuel L. Fuller.....b
KDMF	Oureq.....b	KDMT	Joseph M. Cudahy.....b
KDMG	Estrada Palma.....b	KDMU	Wichita.....b
KDMH	Memnon.....b	KDMV	City of Elwood.....b
KDMI	Namasket.....b	KDMW	Camotes, P. I.....c
KDMJ	Peralta.....b	KDMX	Port Lebak, P. I.....c
KDMK	Fort Worth, Tex.....c	KDMY	P. J. Reilly.....b
KDML	S. C. T. Dodd.....b	KDMZ	District of Columbia.....b

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.
Cincinnati ¹	NISN	Omaha ¹	NISL
Detroit ¹	NISP	Richmond ¹	NISQ
Fathomer.....	NESR	Trenton ¹	NISR
Memphis ¹	NISS	Tulsa ¹	NIST
Milwaukee ¹	NISM		

¹ System, U. S. Navy; w. l., 300, 500; service, P G; hours, N; rates, North and South American service, 4 c. per word; transoceanic service, 8 c. per word.

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.
NESR	Fathomer.....b	NISQ	Richmond.....b
NISL	Omaha.....b	NISR	Trenton.....b
NISM	Milwaukee.....b	NISS	Memphis.....b
NISN	Cincinnati.....b	NIST	Tulsa.....b
NISP	Detroit.....b		

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—
Ames, Iowa.....	9YI	Iowa State College.
Bozeman, Mont.....	7XB	Montana State College.
Columbia, Mo.....	9YM	University of Missouri.
Dallas, Tex.....	5ZC	Frank M. Corlett.
Dallas, Tex.....	5ZE	Bennett Emerson.
Delaware, Ohio.....	8YK	Ohio Wesleyan University.
Greensboro, N. C.....	4ZA	James R. Wickle.
Houston, Tex.....	5ZX	Alfred P. Daniel.
Media, Pa.....	3ZM	Simon Delbert, jr.
New York, N. Y.....	2XK	L. M. Cockaday & Co.
New York, N. Y.....	2XP	Radio Corporation of America.
New York, N. Y.....	2XU	Samuel E. Adair.
Philadelphia, Pa.....	3YI	Knights of Columbus School.
Polytechnic, Mont.....	7XD	Billings Polytechnic Institute.
Rapid City, S. Dak.....	9YW	South Dakota State School of Mines.
Richmond, Va.....	3ZL	Clay D. Blair.
San Fernando, Calif.....	6ZN	B. H. Dennis and C. A. Taylor.
Sanford, Fla.....	5ZH	Clarence M. Wickes.
San Francisco, Calif.....	6XO	National Radio Co.
St. Louis, Mo.....	9XS	Manhattan Electrical Supply Co.
St. Louis, Mo.....	9ZB	Lester A. Benson.
Tacoma, Wash.....	7ZL	Anton R. Tingstad.
Valley Stream, N. Y.....	2ZL	J. Owen Smith.

SPECIAL LAND STATIONS GROUPED BY DISTRICTS.

Call signal.	District and station.	Call signal.	District and station.
2XK*	Second district:		Sixth district:
2XP	New York, N. Y.	6ZN	San Fernando, Calif.
2XU	Do.	6XO	San Francisco, Calif.
2ZL	Do.		Seventh district:
	Valley Stream, N. Y.	7XB	Bozeman, Mont.
3YI	Third district:	7XD	Polytechnic, Mont.
3ZL	Philadelphia, Pa.	7ZL	Tacoma, Wash.
3ZM	Richmond, Va.	8YK	Eighth district: Delaware, Ohio.
4ZA	Media, Pa.		Ninth district:
	Fourth district: Greensboro, N. C.	9XS	St. Louis, Mo.
5ZC	Fifth district:	9YI	Ames, Iowa.
5ZG	Dallas, Tex.	9YM	Columbia, Mo.
5ZH*	Do.	9YW	Rapid City, S. Dak.
5ZX	Sanford, Fla.	9ZB	Lester A. Benson.
	Houston, Tex.		

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.
 Corp. = Corporation.
 & = And.

ALTERATIONS AND CORRECTIONS.

COMMERCIAL SHIP STATIONS, ALPHABETICALLY BY NAME 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.)

- ABSECON.—Range, 200; system, Navy-Marconi, 1000.
 ADMIRAL WAINWRIGHT.—Dollar S. S. Line, owner of vessel.
 ANN ARBOR No. 3.—Range, 150; system, Marconi, 1000.
 ANN ARBOR No. 6.—Range, 150; system, Marconi, 1000.
 ARTEMIS.—Range, 150; system, Navy-Marconi, 1000; w. l., 300, 600; service, PG; rates, 4 c per word for all classes of service.
 BACCARAT.—Rates, Great Lakes service, 2 c per word.
 CHALMETTE.—W. l., 300, 600.
 CITY OF BUFFALO.—Range, 150; system, Marconi, 1000.
 CORDOVA.—Rates, 4 c per word for all services.
 CROWN CITY.—Range, 300; system, Navy-Marconi, 1000; w. l., 300, 450, 600.
 CORSAIR.—W. l., 300, 450, 600.
 CUBA.—System, Cutting & Washington, 1000; w. l., 300, 450, 600; rates, North and South American service, 4 c per word; transoceanic, 8 c per word.
 DULCINO.—American Sugar Transit Corporation, owner of vessel.
 DUNGANNON.—Range, 300; system, Navy-Marconi, 1000; w. l., 300, 450, 600; hours, X.
 GLENDOYLE.—Glendoyle S. S. Corporation, owner of vessel.
 GUARDSMAN.—T. A. Scott Co., owner of vessel.
 HALWAY.—Range, 300; system, Federal arc; w. l., 300, 600; hours, X.
 HAMILTON.—Old Dominion Transportation Co., owner of vessel.
 HINCKLEY.—Range, 300; system, Navy-Marconi, 1000; w. l., 300, 450, 600.
 HOBOKEN.—Erie Basin Towing & Hoisting Co., owner of vessel.
 IRIS.—Hours, X.
 JEFFERSON (KOD).—Old Dominion Transportation Co., owner of vessel.
 JOHN R. GIBBONS.—Range, 300; system, Marconi, 1000; range, 300, 600, hours, X.
 KERKENNA.—American Ship & Commerce Navigation Corporation, owner of vessel.
 KIOWA.—Clyde S. S. Co., owner of vessel.
 LACKAWANNA.—R. Bruce Somerville, owner of vessel.
 LAKE GETAWAY.—Range, 200; system, Navy-Simon, 1000; w. l., 300, 450, 600; service, PG; hours, X.
 LAVADA.—Range, 300; system, Federal arc; w. l., 300, 450, 600; hours, X.
 MARACAY.—Range, 300; system, Kilbourne & Clark, 1000; w. l., 300, 450, 600; service, PG; hours, X; rates, 4 c per word for all services; station operated and controlled by owner of vessel.
 MOHEGAN.—Range, 75.
 MONTGOMERY CITY.—Range, 300; system, Marconi, 1000; w. l., 300, 450, 600; hours, X; rates, 4 c per word for all services; station operated and controlled by R. C. of A.
 NEW ORLEANS.—Range, 300; system, Navy-Lowenstein, 1000; w. l., 300, 450, 600.
 NOMA.—Range, 300; system, Cutting & Washington, 1000; w. l., 300, 450, 600; rates, 4 c per word for all services; Rodman Wanamaker owner of vessel; station operated and controlled by owner of vessel.
 PERE MARQUETTE 17.—Range, 150; system, Marconi, 1000; w. l., 300, 600; service, PG.
 PERE MARQUETTE 19.—Range, 150; system, Marconi, 1000; w. l., 300, 600; service, PG; rates, Great Lakes service, 2 c. per word.
 QUEEN.—Range, 150.
 SALINAS.—Name changed to Hudsonian.

SANTA ELISA.—W. I., 300, 450, 600.

SENECA.—West Indian Navigation Co., owner of vessel.

SIERRA (WHJ).—Name changed to Gdansk; Polish-American Navigation Corporation, owner of vessel.

TOFA TOPA.—Range, 300; system, Federal arc; w. l., 300, 600.

TWILITE.—Name changed to Standtow No. 1.

WEST CARMONA.—System, Federal arc; w. l., 300, 600; hours, X.

WILLIAM H. DOHENY.—Range, 300; system, Marconi, 1000; w. l., 300, 450, 600; service, PG; hours, X; rates, 4 c. per word for all classes; Pan-American Petroleum & Transport Co., owner of vessel; station operated and controlled by R. C. of A.

WILLIAM ISOM.—American-Italian S. S. Co., owner of vessel.

WINONA.—W. I., 300, 600.

THE STATIONS OF THE FOLLOWING-NAMED VESSELS ARE OPERATED AND CONTROLLED BY THE SHIPOWNERS' RADIO SERVICE:

City of Sherman.
Cuprum.
Eastern Glade.
Emergency Aid.
George Pierce.
Halo.

Haymon,
Hopatcong.
John Stevens.
Medon.
Meton.
Mevania.

Mosella.
Narbo.
Wacosta.
West Honaker.
Yalza.

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

Anaconda.
Bellhaven.
City of Fairbury.
City of Rayville.

Eastern Gale.
Hampton Roads.
Lake Grogan.
Lake Lilicusun.

Manatee.
Montgomery.
West Camargo.
West Nilus.

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

Askawake.
Creole State.
John Jay.

Lake Flagstaff.
Portsmouth.
Reaper.

West Wind.
William H. Webb.

STRIKE OUT ALL PARTICULARS OF THE FOLLOWING-NAMED VESSELS:

Bonham.
Dreadnought.

Undaunted.

Vacuum II.

THE FOLLOWING CORRECTIONS SHOULD BE MADE TO THE LIST OF "COMMERCIAL AND GOVERNMENT RADIO STATIONS OF THE UNITED STATES," EDITION JUNE 30, 1920 (P. 66):

WQAI, read Agria; WQAU, read Hoosac; WQD, read Hiako; and WQE, read Harvey H. Brown.

COMMERCIAL LAND AND SHIP STATIONS, ALPHABETICALLY BY CALL SIGNALS.

KPO, read Standtow No. 1; KUCL, read Hudsonian; WHJ, read Gdansk. Strike out all particulars following the call signals, KIMK, WGL, WGM, and WKIE.

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.]

Concord, read NIRV.
Indiana, read NIRS.
Iowa, read NIRP.
Marblehead, read NIRR.
Massachusetts, read NIRQ.
Raleigh, read NIRT.

STRIKE OUT ALL PARTICULARS OF THE FOLLOWING-NAMED VESSELS:

S. C. 96.	S. C. 107.	S. C. 244.
S. C. 91.	S. C. 222.	S. C. 247.
S. C. 97.	S. C. 225.	S. C. 260.
S. C. 98.	S. C. 240.	S. C. 323.
S. C. 101.	S. C. 241.	S. C. 416.
S. C. 103.	S. C. 242.	

GOVERNMENT LAND AND SHIP STATIONS, ALPHABETICALLY BY CALL SIGNALS.

NGK, read NIRR; NHQ, read NIRS; NHT, read NIRP; NJT, read NIRQ; NQH, read NIRV; and NTE, read NIRT. Strike out all particulars following the call signals, NOCB, NOFT, NOGD, NOGF, NOGK, NOGM, NOGR, NOPD, NOPJ, NOQD, NOQF, NOQG, NOQJ, NOQM, NORD, NOVG, and NOZN.

MISCELLANEOUS.

The following information has been received from the Berne International Bureau:

RADIO ACCOUNTS FOR GERMAN SHIPS.

The German Wireless Telegraph Co., known as Debeg, is prepared to assume, as formerly, the liquidation of accounts for radiotelegrams exchanged between German ships (Debeg system) and foreign coast stations. The company requests administrators and companies which approve this special method of procedure to forward to it accounts relative to charges.

AUSTRALIAN POST OFFICE NOW ADMINISTERING RADIO LAW.

Hereafter the Postmaster General's Department and not the Department of the Navy will be in charge of the application of the radiotelegraph law as well as in control of coast stations and ship stations in the jurisdiction of the Australian Federation. Communications hereafter relative to wireless telegraphy should be addressed accordingly to the Secretary, Postmaster's Department, Melbourne, Australia.

INCREASE IN CANADIAN RATES.

Beginning November 8, 1920, Canadian land lines will increase their relative share of the charges for radiotelegrams. The increase will vary from 1 to 4 cents a word. Until the Berne International Bureau has printed a revised table of charges under the heading "Canada" in the third part of the nomenclature of telegraph stations ships communicating with Canadian stations can obtain from them on request all necessary instructions.

NEW CALL LETTERS FOR JAPAN.

Owing to insufficient call letters which have been reserved for Japan, the general administration of posts and telegraphs of Japan will assign hereafter to ship stations under direction of the Japanese administration and to those of Japanese possessions call letters composed of four letters by means of the addition of the letter "A" at the end of combinations of three letters commencing with "J."

NEW CALL LETTERS FOR CZECHOSLOVAKIA.

The call letters OKA to OKZ have been reserved for this Republic.

ADDITIONAL INFORMATION REGARDING RADIO STATION AT DEVIZES.

The British post office advises that the Government station at Devizes, call signal GKU, is open for communication with ships by means of continuous wave wireless telegraphy. The wave length used is 2100 meters. The station will normally be open at all times for the receipt of messages from ships, but it will, as a rule, call ships only during the following periods: 1 to 1.30 a. m., 5 to 5.30 a. m., 9 to 9.30 a. m., 1 to 1.30 p. m., 5 to 5.30 p. m., and 9 to 9.30 p. m., Greenwich mean time. The station will not, however, be available for communication during the period of 3 minutes every half hour commencing at 15 and 45 minutes past the hour (G. m. t.), as British ships using wave lengths other than 600 meters for any special purpose are required during these periods to keep watch on a wave length of 600 meters.

The rates of charge for messages sent through Devizes radio are the same as those for messages through other Government shore stations of Great Britain.

ARTICLE XLV OF THE INTERNATIONAL CONVENTION.

The Bureau is informed that section 3 of this article is being constantly violated by careless operators. For the information of all concerned it is herewith printed:

Time signals and meteorological radiograms shall be transmitted one after the other in such a way that the total time occupied in their transmission shall not exceed 10 minutes. As a general rule, all radio stations whose transmissions might interfere with the reception of such signals and radiograms shall remain silent during the transmission in order that all stations desiring it may be able to receive the same. Exception shall be made in cases of distress calls and of state telegrams.

OPERATOR'S LICENSE SUSPENDED.

License No. 22042, issued at Baltimore, June 26, 1920, has been suspended for a period of three months on account of the holder of the license violating section 4 of the act of August 13, 1912, in that he interfered with a distress message.

DESIGNATING LETTERS SHOWING COMPANIES CONTROLLING STATION ON AMERICAN VESSELS.

Beginning February 1, this year, the following letters should be inserted between the number of the message and the check so as to designate the radio company controlling the station and responsible for the tolls:

- M.. Radio Corporation of America.
- S.. Ship Owners Radio Service.
- T.. Tropical Radio Telegraph Co.
- I.. Independent Wireless Telegraph Co.
- C.. Cutting & Washington Radio Corp.
- H.. American-Hawaiian S. S. Co.
- L.. International Radio Telegraph Co.

To illustrate:

Present method: "Radio SS ZULIA 1 9 Tenth 410pm"
 Proposed method: "Radio SS ZULIA 1M 9 Tenth 410pm"

When a station relays a message, it should use the designating letter of the station from which the message originates.

This practice will apply to all traffic originating on board ship irrespective whether a message is destined to another ship or to a shore station in the United States.