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Equipment Bureau

LIST OF

# WIRELESS-TELEGRAPH STATIONS OF THE WORLD

INCLUDING SHORE STATIONS, MERCHANT VESSELS,  
REVENUE CUTTERS, AND VESSELS OF THE  
UNITED STATES NAVY

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CORRECTED TO OCTOBER 1, 1908  
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LIST OF WIRELESS-TELEGRAPH SHORE  
STATIONS OF THE WORLD

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CORRECTED TO OCTOBER 1, 1908

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(3)

Country.	Name of station and location.	Call letter.	Wave length in meters.	Power.
United States. . . . .	Albany, N. Y. (Hotel Ten Eyck).	BQ	300	2 K. W. . . .
	Amesbury, Mass. . . . .	HY	-----	2 K. W. . . .
	Annapolis, Md. (Naval Academy).	QG	425	2½ K. W. . . .
	Atlantic City, N. J. (Young's Pier).	AX	800	2 K. W. . . .
	Beaufort, N. C. (Pivers Island).	QS	425	5 K. W. . . .
	Boston, Mass. (Exchange Building).	BN	450	2 K. W. . . .
	Boston, Mass. (navy-yard).	PG	600	3 K. W. . . .
	Brant Rock, Mass. . . . .	BO	1,800	15 K. W. . . .
	Brooklyn, N. Y. (navy-yard).	PT	900	15 K. W. . . .
	Bridgeport, Conn. . . . .	BG	750	2 K. W. . . .
	Buffalo, N. Y. . . . .	CB	Variable.	15 K. W. . . .
	Cambridge, Mass. (Harvard University).	-----	400	5 K. W. . . .
	Cambridge, Mass. . . . .	-----	Variable.	3 K. W. . . .
	Cape Cod, Wellsfleet, Mass.	CC	1,500	35 K. W. . . .
	Cape Cod, North Truro, Mass.	PH	425	5 K. W. . . .
	Cape Elizabeth, Me. . . . .	PA	425	5 K. W. . . .
	Cape Hatteras, N. C. . . . .	HA	450	3 K. W. . . .
	Cape Henlopen, Lewes, Del.	PX	600	3 K. W. . . .
	Charleston, S. C. . . . .	SN	450	2 K. W. . . .
	Charleston, S. C. (navy-yard).	QU	600	5 K. W. . . .
	Cleveland, Ohio. . . . .	CN	Variable.	10 K. W. . . .
	Detroit, Mich. . . . .	CW	Variable.	5 K. W. . . .
	Diamond Shoals light-ship.	QP	425	1 K. W. . . .
	Duluth, Minn. . . . .	CH	Variable.	15 K. W. . . .
	Elizabeth City, N. J. . . . .	HD	350	2 K. W. . . .
	Fire Island, N. Y. . . . .	PR	900	5 K. W. . . .
	Fort Andrews, Mass. . . . .	-----	-----	1 K. W. . . .
	Fort Hancock, N. J. . . . .	FX	-----	1 K. W. . . .
	Fort H. G. Wright, N. Y. . . . .	FW	-----	1 K. W. . . .
	Fort Leavenworth, Kans. . . . .	FL	-----	-----

System.	Owner.	Intended for—	Remarks.
Composite.....	U. W. T. Co.....	Public service....	Open 10 a. m. to 9 p. m.
Pickard.....	Wireless Spec. Ap. Co.	.....	Experimental station.
Composite.....	U. S. Navy.....	Government use..	Open to public service.
do.....	U. W. T. Co.....	Public service... .	Open 7 a. m. to 1 a. m.
Massie.....	U. S. Navy.....	Government use..	Open to public service.
Composite.....	U. W. T. Co.....	Public service... .	Open 24 hours daily.
Stone.....	U. S. Navy.....	Government use..	Open to public service.
Fessenden.....	Nat. Elec. Sig. Co.	Communication with Scotland.	In operation.
Stone.....	U. S. Navy.....	Government use..	Open to public service.
Composite.....	U. W. T. Co.....	Public service... .	Open 8.30 a. m. to 8 p. m.; Tuesday, Thursday, and Satur- day open 8.30 a. m. to 10.30 p. m.
Clark.....	Clark Co.....	do.....	Open 6 a. m. to 10 p. m.
Pierce.....	Harvard Univer- sity.	.....	Experimental station.
Stone.....	Stone Co.....	.....	Do.
Marconi.....	Marconi Co.....	Trans-Atlantic . .	In operation.
Composite.....	U. S. Navy.....	Government use..	Open to public service.
Telefunken.....	do.....	do.....	Do.
Composite.....	U. W. T. Co.....	Public service... .	Open 2 a. m. to 12 m.; 2.30 to 5 p. m.
do.....	U. S. Navy.....	Government use..	Open to public service.
do.....	U. W. T. Co.....	Public service... .	Open 8 a. m. to 1 p. m.; 2.30 p. m. to 6 p. m.; 8 p. m. to 10 p. m.
Massie.....	U. S. Navy.....	Government use..	Open to public service.
Clark.....	Clark Co.....	Public service....	Open 24 hours daily.
do.....	do.....	do.....	Do.
Fessenden.....	U. S. Navy.....	Government use..	Open to public service.
Clark.....	Clark Co.....	Public service... .	Under construction.
Composite.....	U. W. T. Co.....	do.....	Open 7 a. m. to 10 p. m.
Telefunken.....	U. S. Navy.....	Government use..	Open to public service.
Signal Corps.....	U. S. Army.....	do.....	Not open to public service.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.

Country.	Name of station and location.	Call letter.	Wave length in meters.	Power.
United States...	Fort Levett, Me.....			
	Fort Monroe, Va.....			1 K. W...
	Fort Morgan, Ala.....	FN		1 K. W...
	Fort Omaha, Nebr.....			3 K. W...
	Fort Riley, Kans.....			
	Fort Totten, N. Y.....	FT		1 K. W...
	Fort Wood, N. Y.....	FD		3 K. W...
	Galilee, N. J.....	G	450	2 K. W...
	Galveston, Tex.....	GV	450	2 K. W...
	Isles of Shoals, N. H.....	A	Variable.	
	Jupiter Inlet, Fla.....	RA	600	3 K. W...
	Key West, Fla.....	KW	400	2 K. W...
	Key West, Fla. (naval station).	RD	1, 250	35 K. W...
	Manhattan Beach, Long Island.	DF	800	2 K. W...
	Marquette, Mich.....	CM	Variable.	10 K. W...
	Mobile, Ala.....	MB	400	2 K. W...
	Nantucket Shoals light-ship.	PI	425	5 K. W...
	New Orleans, La. (naval station).	RO	600	5 K. W...
	New Orleans, La.....	HB	400	2 K. W...
	Newport, R. I. (naval torpedo station).	PK	600	5 K. W...
	New York City (Waldorf-Astoria).	BW	450	2 K. W...
	New York City (Hotel Plaza).	FS	450	2 K. W...
	New York City (Forty-second and Broadway).	NY	Variable.	2 K. W...
	Norfolk, Va.....	N	350	2 K. W...
	Norfolk, Va. (navy-yard)..	QL	900	3 K. W...
	Pensacola, Fla. (navy-yard).	RK	900	10 K. W...
	Philadelphia, Pa. (Bellevue-Stratford).	BX	400	2 K. W...
	Philadelphia, Pa. (navy-yard).	PV	425	3 K. W...
	Port Arthur, Tex.....	RA	450	2 K. W...
	Port Bolivar, Tex.....	PB	350	1 K. W...

System.	Owner.	Intended for—	Remarks.
Signal Corps .....	U. S. Army.....	Government use..	Not open to public service.
.....do.....	.....do.....	.....do.....	Do.
Composite .....	U. W. T. Co.....	Public service....	Open 5.30 a. m. to 6.30 p. m.
Signal Corps .....	U. S. Army.....	Government use..	Not open to public service.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	.....do.....	.....do.....	Do.
Composite .....	U. W. T. Co.....	Public service....	Open 12 m. to 12 p. m.
.....do.....	.....do.....	.....do.....	Open 9 to 11.30 a. m., 2 to 5.30 p. m.; Fri- day and Wednesday also 7.30 to 11 p. m.
Stone.....	Stone Co.....	.....do.....	
Shoemaker.....	U. S. Navy.....	Government use..	
Composite .....	U. W. T. Co.....	Public.....	Open 8 a. m. to 11 a. m., 1 p. m. to 4 p. m.
.....do.....	U. S. Navy.....	Government use..	Open to public service.
.....do.....	U. W. T. Co.....	Public service....	Open 5 a. m. to 12 m., 9 to 12 p. m.
Clark.....	Clark Co.....	.....do.....	Under construction.
Composite .....	U. W. T. Co.....	.....do.....	Open 5.30 a. m. to 6.30 p. m.
Telefunken.....	U. S. Navy.....	Government use..	Open to public service.
.....do.....	.....do.....	.....do.....	Do.
Composite .....	United Fruit Co..	Public service....	Open 9 a. m. to 7 p. m.; primarily for Fruit Co.'s own ships.
Telefunken.....	U. S. Navy.....	Government use..	Open to public service.
Composite.....	U. W. T. Co.....	Public service....	Open 10 a. m. to 9 p. m.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	.....do.....	.....do.....	Open 24 hours daily.
.....do.....	.....do.....	.....do.....	Open 7.30 a. m. to 2 p. m.; 7 p. m. to 11 p. m.
.....do.....	U. S. Navy.....	Government use..	Open to public service.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	U. W. T. Co.....	Public service....	Open 10 a. m. to 9 p. m.
Stone.....	U. S. Navy.....	Government use..	Open to public service.
Composite.....	U. W. T. Co.....	Public service....	Open 9 a. m. to 5 p. m.
.....do.....	.....do.....	.....do.....	Open 9 a. m. to 11 a. m.; 2 p. m. to 4 p. m.; 8 p. m. to 11 p. m.

Country.	Name of station and location.	Call letter.	Wave length in meters.	Power.
United States....	Port Huron, Mich.....	CH	Variable.	10 K. W...
	Portsmouth, N. H. (navy- yard).	PC	600	3 K. W...
	Sagaponak, N. Y.....	MSK	350	2 K. W...
	Savannah, Ga.....	SV	450	2 K. W...
	Sea Gate, N. Y.....	MSE	350	.....
	Siasconsett, Mass.....	MSC	350	2 K. W...
	Soo, Mich.....	CJ	Variable.	25 K. W...
	Southwest Pass, La.....	SW	450	5 K. W...
	St. Augustine, Fla.....	QX	600	3 K. W...
	Toledo, Ohio.....	CT	425	2 K. W...
	Washington, D. C. (navy- yard).	QI	900	15 K. W...
	Washington, D. C.....	DC	600	3 K. W...
	Washington, D. C. (Cap- itol).	QK	.....	2 K. W...
	United States (Pacific coast).	Aberdeen, Wash.....	PF	450
Astoria, Oreg.....		PC	450	2 K. W...
Avalon, Catalina Island, Cal.		PJ	300	1 K. W...
Avalon, Catalina Island, Cal.		A	.....	2 K. W...
Cape Blanco, Denmark, Oreg.		TA	425	5 K. W...
Farallon Islands, Cal.....		TH	900	10 K. W...
Fort Worden, Wash.....		FW	.....	1 K. W...
Friday Harbor, Wash.....		PD	450	2 K. W...
Los Angeles, Cal.....		G	.....	2 K. W...
Los Angeles, Cal.....		PI	400	2 K. W...
Mare Island Navy-Yard, Cal.		TG	900	2½ K. W...
North Head, Ilwaco, Wash.		SX	600	5 K. W...
Point Arguello, Surf, Cal..		TK	600	3 K. W...
Point Loma, San Diego, Cal.		TM	900	10 K. W...
Portland, Oreg.....		PE	450	2 K. W...
Port Townsend, Wash.....		D	.....	100 miles
Puget Sound Navy-Yard, Wash.		SP	425	3 K. W...
San Francisco, Cal.....	SF	.....	5 K. W...	

System.	Owner.	Intended for—	Remarks.
Clark.....	Clark Co.....	Public service....	Open 24 hours daily.
Stone.....	U. S. Navy.....	Government use..	Open to public service.
Marconi.....	Marconi Co.....	Public service....	
Composite.....	U. W. T. Co.....	do.....	
Marconi.....	Marconi Co.....	do.....	
do.....	do.....	do.....	
Clark.....	Clark Co.....	do.....	Under construction.
Composite.....	United Fruit Co.....	do.....	Primarily for Fruit Co.'s own ships.
Shoemaker.....	U. S. Navy.....	Government use..	Open to public service.
Clark.....	Clark Co.....	Public service....	Open 6 a. m. to 10 p. m.
Composite.....	U. S. Navy.....	Government use..	Open to public service.
Fessenden.....	Nat. Elec. Sig. Co.....		Experimental station.
Composite.....	Elliott Woods.....		Do.
Composite.....	U. W. T. Co.....	Public service....	Open 10 a. m. to 10 p. m.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Open 8 a. m. to 6 p. m.
Pacific.....	Pacific W. T. Co.....	do.....	Do.
Massie.....	U. S. Navy.....	Government use..	Open to public service.
Composite.....	do.....	do.....	Do.
Signal Corps.....	U. S. Army.....	do.....	Not open to public service.
Composite.....	U. W. T. Co.....	Public service....	Open 10 a. m. to 10 p. m.
Pacific.....	Pacific W. T. Co.....	do.....	Open 8 a. m. to 6 p. m.
Composite.....	U. W. T. Co.....	do.....	Open 8 a. m. to 12 p. m.
do.....	U. S. Navy.....	Government use..	Open to public service.
Telefunken.....	do.....	do.....	Do.
Shoemaker.....	do.....	do.....	Do.
Composite.....	do.....	do.....	Do.
do.....	U. W. T. Co.....	Public service....	Open 10 a. m. to 10 p. m.
Pacific.....	Pacific W. T. Co.....	do.....	Open 8 a. m. to 6 p. m.
Composite.....	U. S. Navy.....	Government use..	Open to public service.
Pacific.....	Pacific W. T. Co.....	Public service....	Open 8 a. m. to 6 p. m.



Country.	Name of station and location.	Call letter.	Wave length in meters.	Power.
United States (Pacific coast).	San Francisco, Cal.....	PH	700	5 K. W...
	Seattle, Wash.....	PA	700	5 K. W...
	Seattle, Wash.....			2 K. W...
	Table Bluff, Loleta, Cal...	TD	425	3 K. W...
	Tacoma, Wash.....	PB	450	2 K. W...
	Tatoosh Island, Wash.....	SV	600	15 K. W...
	Westport, Wash.....	PG	450	2 K. W...
United States (Alaska).	Yerba, Buena Island (naval training station), Cal.	TI	425	2 K. W...
	Circle City.....			3 K. W...
	Cordova.....	SN	600	20 K. W...
	Cordova.....			2 K. W...
	Fairbanks.....			3 K. W...
	Fort Egbert.....			3 K. W...
	Fort Gibbon.....			10 K. W...
	Fort St. Michael.....	WS		3 K. W...
	Katalla.....			2 K. W...
	Petersburg.....			1 K. W...
	Nome.....	SA		10 K. W...
Sitka.....	SO	600	20 K. W...	
Wrangell.....			1 K. W...	
A n d a m a n I s - lands.	Port Blair.....		425-455	350 miles.
	Diamond Island.....		726	
	Slipper Island.....			
Argentine Re- public.	Buenos Aires.....	BA	450	315 miles.
	Rio de Santiago.....	RS	Variable.	315 miles.
	Campo de Mayo.....	CM	350	65 miles..
	Darsena Norte.....	BA	Variable.	315 miles.
	Bahia Blanca.....	PM		
	Recalada light-ship, at mouth of La Plata.	RC	Variable.	125 miles.

System.	Owner.	Intended for—	Remarks.
Pacific .....	Pacific W. T. Co..	Public service ...	Open 24 hours daily.
Composite.....	U. W. T. Co.....	.....do.....	Do.
Pacific.....	Pacific W. T. Co..	.....do.....	Open 8 a. m. to 6 p. m.
Massie .....	U. S. Navy.....	Government use..	Open to public service.
Composite.....	U. W. T. Co.....	Public service....	Open 10 a. m. to 10 p. m.
.....do.....	U. S. Navy.....	Government use..	Open to public service.
.....do.....	U. W. T. Co.....	Public service....	Open 10 a. m. to 10 p. m.
.....do.....	U. S. Navy.....	Government use..	Open to public service.
Signal Corps.....	U. S. Army.....	Government use..	Open to public service.
Composite .....	U. S. Navy.....	.....do.....	Do.
.....do.....	U. W. T. Co.....	Public service ...	Under construction.
Signal Corps .....	U. S. Army.....	Government use..	Open to public service.
.....do.....	.....do.....	.....do.....	Do.
Massie .....	.....do.....	.....do.....	Do.
Signal Corps .....	.....do.....	.....do.....	Do.
Composite .....	U. W. T. Co.....	Public service ...	Under construction.
Massie.....	U. S. Army.....	Government use..	Open to public service.
.....do.....	.....do.....	.....do.....	Do.
Pierce.....	U. S. Navy.....	.....do.....	Do.
Signal Corps .....	U. S. Army.....	.....do.....	Do.
Lodge Muirhead...	Indian telegraphs.	.....do.....	In operation.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	.....do.....	.....do.....	Do.
Telefunken.....	Government .....	.....do.....	
.....do.....	.....do.....	.....do.....	
.....do.....	.....do.....	.....do.....	
.....do.....	.....do.....	.....do.....	
.....do.....	.....do.....	.....do.....	

Country	Name of station and location.	Call letter.	Wave length in meters.	Power.
Austria-Hungary (Hungary).	Fiume.....	HF	300-2,000	375 miles.
	Zengg.....	HZ	300	63 miles..
	Carlobago.....	HC	300	63 miles..
Austria.....	Musil.....	MU	350	60 miles..
	Lussin.....	LU	350	65 miles..
	Lissa.....			375 miles.
	Pelagosa.....			63 miles..
Australia.....	Cape York, North Queens- land.			350 miles.
	Thursday Island, North Queensland.			50 miles..
	Goode Island, North Queensland.			50 miles..
	Port Moresby, Papua.....			350 miles.
	Fremantle, Western Aus- tralia.			300 miles.
Belgium.....	Nieuport (Mer du Nord)...	NPT	72	Nieuport- Dover.
	Antwerp.....	MQR	300	100 miles.
Brazil.....	Para.....			400 miles.
	Santarem.....			400 miles.
	Manaos.....			400 miles.
	Rio de Janeiro.....	RJ	Variable.	125 miles.
	Ilha Mocangue.....			25 miles..
	Ilha das Cobras.....	JI	1,000	125 miles.
	Villegagnon.....			125 miles.
	Rio de Janeiro.....		1,000	30 miles..
	Ilha Rega.....		1,000	60 miles..
Ponta Negra.....		1,000	30 miles..	
Guarabiba.....		1,000	30 miles..	

System.	Owner.	Intended for—	Remarks.
Own system.....	Government.....	Experimental and public service.	Projected for public service from 1908, till this date only ex- perimental.
.....do.....	.....do.....		
.....do.....	.....do.....		
Telefunken.....	Austro-Hungarian navy.	Experimental station.	Not open to public ser- vice.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	P. & T. admn.....	Public service.....	Planned to be built in one year.
.....do.....	Government.....		
.....do.....	Government.....		Projected.
.....do.....	.....do.....		Do.
.....do.....	.....do.....		Do.
.....do.....	.....do.....		Do.
.....do.....	.....do.....		Do.
Marconi.....	Government.....	Public service with Government mail steamers plying between Ostende and Dover.	In operation. In ad- dition to regular tele- gram rate, 4 cents a word. Minimum, 2 francs.
.....do.....	Red Star Line.....	Private use.....	Projected.
Shoemaker.....	.....do.....	For intercommu- nication with each other.	In operation.
.....do.....	.....do.....		
.....do.....	.....do.....		
Telefunken.....	Government.....		Do.
.....do.....	.....do.....		Do.
.....do.....	.....do.....		Do.
.....do.....	.....do.....		Do.
Marconi.....	Government.....	Public service.....	Projected.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	.....do.....	.....do.....	Do.

Country	Name of station and location.	Call letter.	Wave length in meters.	Power.
Burma.....	Rangoon.....		Variable.	
Canada.....	Point Amour light-house, Labrador.	PR	Variable.	150 miles.
	Whittle Rocks, Labrador..	WR	Variable.	150 miles.
	Battle Harbor, Labrador..	BH	220	150 miles.
	Indian Harbor, Labrador..			
	Seal Island, Labrador.....			
	Father Point, Quebec.....	RT		High power.
	Cape Bear light-house, Prince Edward Island.	BF		
	Belle Isle, Quebec.....	BL	Variable.	150 miles..
	Fame Point light-house, Quebec.	FP	Variable.	High power.
	Cape Race light-house, Newfoundland.	CE		350 miles..
	Cape Ray light-house, Newfoundland.	CR		High power.
	Verison Island, Labrador.	VI	220	150 miles..
	Domino, Labrador.....		220	150 miles.
	Cape Sable light-house, Nova Scotia.	SB	220	150 miles.
	Cape Rich light-house....	TC		
	Camperdown, Halifax, N. S.	MCN		150 miles..
	Partridge Island, St. Johns, N. B.	SJ	220	150 miles.
	Heath Point light-house, Anticosti.	HP	Variable.	150 miles.
	Sable Island.....	MSD		250 miles..
	Cape Breton .....			High power.
	Sydney, N. S.....	ND		
	Quebec.....	Q		
	North Vancouver, B. C....	PR	450	200 miles..
	Victoria, B. C.....			2 K. W...
	Pictou, N. S.....	RU		
	Clark City, Seven Islands.	CK		
	Victoria, B. C.....	VSD	Variable.	100 miles..
	Point Grey, B. C.....	PGD	Variable.	100 miles.
	Pachena Point.....	KPD	Variable.	100 miles.
	Estevan Point.....	USD	Variable.	100 miles.
	Cape Lazo.....	SKD	Variable.	100 miles.

System.	Owner.	Intended for—	Remarks.
Lodge-Muirhead.....			Projected.
Marconi.....	Canadian govern- ment.	Public service....	In operation in summer.
do.....	do.....	do.....	Do.
do.....	Newfoundland government.	do.....	In operation.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	Canadian govern- ment.	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	Newfoundland government.	do.....	Do.
do.....	do.....	do.....	Do.
do.....	Canadian govern- ment.	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	Marconi Co.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	Canadian govern- ment.	do.....	Do.
do.....	do.....	do.....	Do.
De Forest.....	U. W. T. Co.....	do.....	Not yet opened.
do.....	do.....	do.....	Do.
do.....	Canadian govern- ment.	do.....	In operation.
do.....	do.....	do.....	Do.
Shoemaker.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.

Country.	Name of station and location.	Call letter.	Wave length in meters.	Power.
Canary Islands...	Teneriffe.....			
Chile.....	Magellan Straits.....			
	Juan Fernandez.....			
	Valparaiso.....		Variable.	150 miles..
China.....	Tsingtau, Kiaotschou.....	KTS	350	125 miles..
	Peking (Italian embassy).....	PK	300	.....
	Tientsin.....	TN	300	.....
	Shanghai.....		300	65 miles..
	Hoihow.....			65 miles..
	Chu weu.....			65 miles..
	Canton.....			65 miles..
	Kongman.....			65 miles..
	Tai Lien Wan (Japanese).....		350	250 kilo- meters.
Colombia.....	Santa Maria.....			
Costa Rica.....	Puerto Limon.....	X		
	Barra del Colorado.....	CB	400	200 miles..
Cuba.....	Havana.....	HV	450	200 miles..
	Guantanamo.....	SI	1,250	35 K. W... .....
	Havana.....			20 K. W... .....
	Pinar del Rio.....			5 K. W... .....
	Santa Clara.....			10 K. W... .....
	Camaguey.....			10 K. W... .....
	Santiago de Cuba.....			20 K. W... .....
	Baracoa.....			10 K. W... .....
	Bayamo.....			4 K. W... .....
Isle of Pines.....				

System.	Owner.	Intended for—	Remarks.
	Spanish Govern- ment.		Projected.
Marconi.....	Government.....		
do.....	do.....		
do.....	do.....		
Telefunken.....	German navy....	Public service with all systems.	In operation.
Marconi.....	Italian Govern- ment.		Do.
do.....	do.....		Do.
Telefunken.....	Telefunken Co..		
do.....	Chinese Govern- ment.		
do.....	do.....		
do.....	do.....		
do.....	do.....		
Teishinsho.....	Teishinsho.....	Commercial.....	Projected.
Shoemaker.....			
Shoemaker.....	Boston Fruit Co..		In operation.
De Forest.....	Government.....	Public service....	Do.
De Forest.....	U. W. T. Co.....	Public service....	Open 8 a. m. to 11 a. m., 2 p. m. to 4 p. m., 6 p. m. to 10 p. m.
De Forest and Shoemaker.	U. S. Navy.....	Government use..	Open to public service.
			Being erected.
			Do.
			Do.
			Do.
			Do.
			Do.
			Do.
			Do.



Country	Name of station and location.	Call letter.	Wave length in meters.	Power.
Denmark.....	Blaavands Huk.....	B	200	50 miles...
	Horns Reef light-ship.....		225	35 miles...
	Wyl light-ship.....		180	20 miles...
	Amager.....			190 miles..
	Gjedser.....	GJ	350	65 miles...
	Gjedser Reef light-ship.....		160	10 miles...
	Lyngby.....			
	Esbjerg.....			
	Copenhagen.....		Variable.	190 miles..
Dutch East Indies.	Macassar.....			70 miles...
	Paré Paré.....			70 miles...
	Radjave.....			70 miles...
	Batavia.....	BA	600	125 miles..
	Cheribon.....	CB	600	125 miles..
Ecuador.....	Guayaquil.....			125 miles..
	Isla de Puna.....			125 miles..
Egypt.....	Port Said.....	PT		
	Suez.....			
	Island of Sheduan.....			
	Gulf of Suez.....			
Finland.....	Bogekar.....		Variable.	
	Helsingfors.....	BGF		120 miles..

System.	Owner.	Intended for—	Remarks.
Telefunken.....	Government.....	Weather reports and distress at sea.	In operation, no charge.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	Experimental station.	Only at times in operation.
do.....	Public work.....	Steam ferry service.	
do.....	do.....	do.....	
Poulsen.....	Amalgamated Radio Telegraph Co. station.	Experimental station.	
do.....	do.....	do.....	Do.
Telefunken.....	Government.....		
Telefunken.....			In operation.
do.....			Do.
do.....			Do.
do.....			Do.
do.....			Do.
			Projected.
			Do.
Marconi.....			In operation.
do.....			
do.....			Do.
do.....			Projected.
Telefunken.....	Government.....		
do.....	Russian Govern- ment.		

Country.	Name of station and location.	Call letter.	Wave length in meters.	Power.
France.....	Ouessant Stepp .....		210-350	85 miles...
	Point de la Coubre.....			
	Isle de Porquerolles .....			
	Ajaccio, Corsica .....	TAF	600	375 miles..
	Dieppe.....			70 miles...
	Dunkerque .....	TDF	600	375 miles..
	Brest.....	TGF	600	375 miles..
	Cherbourg.....	TCF	600	375 miles..
	Lorient .....	TLF	600	375 miles..
	Rochefort.....	TRF	600	375 miles..
	Toulon.....		600	375 miles..
	Bijerta.....		600	375 miles..
	Oran.....		600	375 miles..
	Marseilles.....		600	375 miles..
	Alger .....		600	375 miles..
	Havre .....		600	375 miles..
St. Nogaire .....		600	375 miles..	
Nice.....		600	375 miles..	
Formosa.....	Fukikaku.....		350	250 kilo- meters.
	Kilung.....			
Germany.....	Arcona.....	KAR	300	125 miles..
	Marienleuchte.....	KMR	300	125 miles..
	Bulk.....	KBK	300	125 miles..
	Heligoland.....	KHG	600	125 miles..
	Cuxhaven.....	KCX	300	125 miles..
	Brunsbittelkoog.....	KBR	300	.....
	Bremerhaven, Lloyd Hall.	KBH	300	95 miles...
	Borkum.....	KBM	300	75 miles...

System.	Owner.	Intended for—	Remarks.
French system.....	Postes et télégraphes.	Public service....	In operation.
.....do.....	.....do.....	.....do.....	Projected.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	French navy.....	.....do.....	Do.
Rochefort.....	Fr. Western Ry. Co.	Corresponds New-haven.	In operation.
French system.....	French navy.....	Public service....	Projected.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	.....do.....	Special.....	Do.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	Postes et télégraphes.	Public service....	Do.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	.....do.....	.....do.....	Do.
Teishinsho.....	Teishinsho.....	Commercial.....	Projected.
.....do.....	.....do.....	.....do.....	In operation.
Telefunken.....	German navy.....	Public service....	In operation.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	Canal office.....	.....do.....	Do.
.....do.....	North German Lloyd.	Public service with all systems.	Do.
.....do.....	German P. O. admn.	Public service with ships in distress.	Do.

Country.	Name of station and location.	Call letter.	Wave length in meters.	Power.
Germany.....	Borkum Reef light-ship...	FBR	300	40 miles...
	Outer Jade light-ship.....	FAU	300	.....
	Wesser light-ship.....	FWF	300	40 miles...
	Elbe I. light-ship.....	FEF	300	40 miles...
Gibraltar.....	Lower station.....	GIB	Variable.	90 miles...
Great Britain and Ireland.	Roches Point.....	.....	.....	.....
	Felixstowe.....	.....	.....	.....
	Dover.....	DDD	Variable.	.....
	Culver Cliff.....	CL	Variable.	.....
	Portland.....	.....	.....	.....
	Rame Head.....	.....	340	.....
	Scilly Islands.....	.....	.....	.....
	Fastnet, Ireland.....	FNT	100	.....
	Brow Head, Ireland.....	MCK	.....	Ships can enter into corre- spond- ence with shore ( 2 5 0 miles) 24 to 36 hours before landing.
	Malin Head, Ireland.....	MMH	.....	.....
	Inistrahull, Ireland.....	MIH	.....	.....
	Flannan Island, Scotland.	FNL	Variable.	.....
	Butt of Lewis, Scotland...	BTL	Variable.	.....
	Fraserburgh, Scotland.....	MFH	.....	.....
Caister.....	MCS	300	.....	
North Foreland.....	MNF	300	.....	
Niton.....	MNI	300	.....	

System.	Owner.	Intended for—	Remarks.
Telefunken.....	German P. O. admn.	Public service with shids in distress.	In operation.
.....do.....	German navy.....	.....do.....	Do.
.....do.....	Tenat Bremen.....	.....do.....	Do.
.....do.....	Tenat Hamburg.....	.....do.....	Do.
Marconi.....	British Admly.....	.....do.....	In operation only at times.
Marconi.....	British Admly...	Government use...	In operation.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	Lloyds.....	Public use.....	Do.
.....do.....	Marconi Co.....	.....do.....	Do.
.....do.....	Lloyds.....	.....do.....	Do.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	Marconi Co.....	.....do.....	Do.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	.....do.....	.....do.....	Do.

Country.	Name of station and location.	Call letter.	Wave length in meters.	Power.
Great Britain and Ireland.	Lizard.....	MLD	300	.....
	Holyhead, Anglesey.....	MHD	.....	.....
	Rosslare, Ireland.....	MRL	300	.....
	Liverpool.....	MLV	300	.....
	Poldhu.....	MZZ	Variable.	.....
	Haven.....	MHH	Variable.	.....
	Light-ship E. Goodwin....	MTE	250	15 miles ..
	Light-ship S. Goodwin....	MTS	250	15 miles ..
	Light-ship Cross Sand....	MTD	250	10 miles ..
	Light-ship Gull.....	MTG	250	10 miles ..
	Light-ship Tongue.....	MTT	250	10 miles ..
	Light-ship Sunk.....	MTK	250	30 miles ..
	Heysham.....	HBR	.....	.....
	Dunnet Head, Scotland...	.....	.....	110 miles .
	Tory Island.....	.....	.....	110 miles .
	Clifden, in west of Ireland.	CDN	4,500	.....
	Porthcurno, Cornwall.....	PK	.....	90 miles ..
	Newhaven.....	RNH	.....	.....
	Machrihanish Bay, Scot- land.	LK(D)	.....	.....
	Skegness.....	SKE	.....	.....
	Hunstanton.....	HN	.....	.....
	Tobermory.....	THM	300	125 miles .
	Loch Boisdale.....	LSG	30	125 miles .
	Shoeburyness.....	BY	.....	.....
	Oxford.....	OX	.....	.....
	Cambridge.....	CA	.....	.....
	Hartland Point.....	.....	.....	.....
Cullercoats, mouth of Tyne.	LNS	.....	.....	
Bolt Head.....	.....	Variable.	250 miles.	
Guam.....	Guam.....	UK	425	3 K. W...

System.	Owner.	Intended for—	Remarks.
Marconi .....	Marconi Co .....	Public use.....	In operation.
do.....	do.....	do.....	Suspended.
do.....	do.....	do.....	In operation.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	Experimental....	Do.
do.....	Trinity House....	Government use..	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
Lodge Muirhead...	Midland Rail Co..	Public use.....	Do.
Marconi.....	Lloyds.....	do.....	Projected.
do.....	do.....	do.....	Do.
do.....	Marconi Co.....	do.....	In operation.
Maskelyne.....	Eastern Telegraph Co.	do.....	Do.
Rochefort.....	L. B. & S. C. Rail Co.	do.....	Do.
Fessenden.....	Nat. Elec. Sig. Co.	do.....	In experimental operation.
De Forest.....	Amalgamated Radio Telegraph Co. (Limited).	Public use.....	Established.
do.....	do.....	do.....	Do.
Marconi.....	do.....	do.....	In operation.
do.....	do.....	do.....	Do.
De Forest.....	do.....	do.....	Established.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
Marconi.....	Government post- office.	do.....	Building.
Telefunken.....	U. S. Navy .....	Government use..	Open to public service.



Country.	Name of station and location.	Call letter.	Wave length in meters.	Power.
Hawaiian Islands.	Honolulu.....	UC	425	2 K. W...
	Barbers Point, Oahu.....	BP	300	1 K. W...
	Nawiliwili, Kauai.....	NW	300	½ K. W...
	Lahaina, Maui.....	LH	300	1 K. W...
	Puako, Hawaii.....	KA	300	1 K. W...
	Kamalo, Molokai.....	AM	300	½ K. W...
	Kahuku, Oahu.....	HU	960	15 K. W...
Holland.....	Port of Scheveningen.....	SCH	450	110-190 miles.
	Hoek von Holland.....	HOK	450	.....
	Haaks light-ship.....	HKS	.....	.....
	Overtoom, near Amsterdam.	BRBR	.....	220 miles.
	Amsterdam Navy-Yard...	ASD	350	125 miles.
	Helder.....	.....	350	125 miles.
Hongkong.....	Cape d'Aguilar (Isl. East).....	.....	Normal.	.....
Italy.....	Capo delle Mele (Liguria).	CM	Variable.	220 miles.
	Palmaria, near Spejia.....	PM	Variable.	220 miles.
	Becco di Vela, Caprera....	BV	Variable.	220 miles.
	Capo Sperone, Sardinia...	PM	450	220 miles.
	Asinara, Sardinia.....	AS	Variable.	.....
	Coltano, near Pisa.....	.....	.....	.....
	Monte Mario, Rome.....	RM	Variable.	220 miles.
	Ponza Island.....	PS	Variable.	220 miles.
	Forte Spuria, near Messina.	FS	Variable.	70 miles..
	Messina.....	M	.....	.....
	Reggio.....	R	.....	.....
	Cozzo Spadaro, Cape Pas-saro, Sicily.	CZ	Variable.	220 miles.
Trapani.....	MS	Variable.	220 miles.	

System.	Owner.	Intended for—	Remarks.
Composite .....	U. S. Navy .....	Government use..	Open to public service.
Marconi.....	Wireless Tel. Co..	Public service....	In operation.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	.....do.....	.....do.....	In operation Jan. 1, 1909.
Composite .....	.....do.....	.....do.....	In operation.
Telefunken.....	P. O. admn.....	.....do.....	In operation.
.....do.....	.....do.....	.....do.....	Corresponds with Sche- veningen.
.....do.....	Government .....	Special service se m a p h o r e storm signals.	Only in distress ships may telegraph to this station.
Marconi.....	.....do.....	.....do.....	.....do.....
Telefunken.....	Admiralty.....	Navy use .....	In operation.
.....do.....	.....do.....	.....do.....	Do.
Marconi.....	British Admlty..	.....do.....	In operation.
Marconi.....	Italian navy.....	Public service....	In operation.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	.....do.....	Government serv- ice.	Do.
.....do.....	.....do.....	Public service....	Do.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	P. O. admn.....	.....do.....	Building.
.....do.....	Italian navy.....	Government serv- ice.	In operation.
.....do.....	.....do.....	Public service .....	Do.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	Railway admn .....	Railway service ..	Do.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	Italian navy .....	Public service....	Do.
.....do.....	.....do.....	.....do.....	Do.

Country.	Name of station and location.	Call letter.	Wave length in meters.	Power.
Italy.....	Santa Maria di Leuca.....	SZ	Variable.	220 miles .
	Bari.....	SC	Variable.	125 miles .
	Viesti, Mount Gargano....	VT	Variable.	220 miles .
	Mount Capucini, Ancona..	MP	Variable.	220 miles .
	Venice Arsenal.....	ZV	Variable.	.....
	Napoli.....	.....	1, 200	300 miles .
	Cagliari.....	.....	1, 200	300 miles .
	Palermo.....	.....	1, 200	300 miles .
	Santa Giovanni.....	V	.....	.....
Japan.....	Nagasaki, Kiushiu.....	.....	.....	.....
	Choshi, Shimosa.....	JCS	300	250 miles .
	Hachijo Island.....	.....	300	250 miles .
	Oshima, Kii.....	.....	300	250 miles .
	Murotozaki, Awa.....	.....	300	250 miles .
	Satanomisaki, Osumi.....	.....	300	250 miles .
	Fukuye Island, Goto.....	.....	300	250 miles .
	Kawashirimisaki, Nagato..	.....	300	250 miles .
	Saruyamazaki, Noto.....	.....	300	250 miles .
	Fukuyama, Toshima.....	.....	300	250 miles .
	Shiriyazaki, Mutsu.....	.....	300	250 miles .
	Kinkazan, Rikuzen.....	.....	300	250 miles .
	Shiomizaki, Kii.....	JSM	.....	.....
	Tsunoshima.....	JTS	.....	.....
Ose Saki, Goto, Islands....	JOS	.....	.....	
Korea.....	Quell Part.....	.....	300	250 miles .
	Thaian.....	.....	300	250 miles .
	Masampo.....	.....	.....	.....
	Mokpo.....	.....	.....	.....
	Port Hamilton (Island).....	.....	.....	.....

System.	Owner.	Intended for—	Remarks.
Marconi .....	Italian navy .....	Public service. ....	In operation.
.....do.....	P. O. admn.....do.....	.....do.....	Do.
.....do.....	Italian navy .....	.....do.....	Do.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	do .....	do .....	Building.
.....do.....	Government.....	Navy use.....	In operation.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	do .....	Public service.....	Do.
Teishinsho .....	Teishinsho.....	Experimental.....	In operation.
.....do.....	.....do.....	Commercial.....	Do.
.....do.....	.....do.....	.....do.....	Proposed.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	.....do.....	.....do.....	In operation.
Teishinsho .....	Teishinsho.....	Commercial.....	Proposed.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	.....do.....	.....do.....	
.....do.....	.....do.....	.....do.....	
.....do.....	.....do.....	.....do.....	

Country.	Name of station and location.	Call letter.	Wave length in meters.	Power.
Malta.....	West of La Valetta.....	MA	210	.....
Mexico.....	Cabo Haro, near Guayamas, Sonora.....	.....	500	150 miles ..
	Santa Rosalia, Lower California.....	.....	500	150 miles ..
	Masatlan.....	.....	.....	220 miles ..
	Jose del Cabo.....	.....	.....	220 miles ..
	Payo Obispo.....	.....	.....	40 miles ..
	Xcalac.....	.....	.....	40 miles ..
Montenegro.....	Antivari.....	MN	Wave A.....	63 miles ..
			Wave B.....	125 miles ..
			Wave C.....	315 miles ..
Morocco.....	Tangier.....	.....	.....	.....
	Rebat.....	.....	.....	.....
	Casablanca.....	.....	.....	.....
	Ceuta.....	.....	.....	.....
	Melilla.....	.....	.....	.....
Mozambique .....	Inhaca, Delagoa Bay.....	.....	.....	.....
	Rubea Point, Delagoa Bay.....	.....	.....	.....
Nicaragua .....	Bluefields.....	Q	.....	.....
	Rama.....	UE	.....	.....
Norway.....	Sorvaagen.....	SO	520	40 miles ..
	Rost.....	RST	520	40 miles ..
	Tjomo.....	TJ	600	200 miles ..
	Flekkero.....	FL	600	200 miles ..
	Horten.....	H	300	50 miles ..

System.	Owner.	Intended for—	Remarks.
Marconi.....	British Admlty...	Public service only.	
Telefunken.....			In operation.
do.....			Do.
do.....	Government.....		Do.
do.....	do.....		Do.
do.....	do.....	Army station....	Being erected.
do.....	do.....	do.....	Do.
Marconi.....	G. Marconi.....		In operation.
do.....	Moorish Govern- ment. do.....		
do.....	do.....		
Telefunken.....	Spanish Govern- ment. do.....		Projected.
do.....	do.....		In operation.
Marconi.....			Projected.
do.....			Do.
Shoemaker.....	United Fruit Co.		Intercommunication with stations of the United Fruit Co.
do.....	do.....		Do.
Telefunken.....	Government.....		Government serv- ice, but public later.
do.....	do.....		
do.....	do.....		
do.....	do.....		
do.....	do.....		

Country.	Name of station and location.	Call letter.	Wave length in meters.	Power.
Panama.....	Canal Zone.....	SL	1, 250	35 K. W..
	Bocas del Toro.....	B		
Peru.....	Puerto Bermudez.....			135 miles.
	Massisea.....			135 miles.
	Iquitos.....			125 miles.
	Requena.....			125 miles.
	Orellana.....			125 miles.
Philippine Is-lands.	Cavite.....	UT	600	5 K. W....
	Jolo.....	FS		3 K. W....
	Zamboanga.....	FM		3 K. W....
	Malabong.....			1 K. W....
Porto Rico.....	San Juan.....	SA	1, 250	35 K. W..
	Culebra.....	SD	425	3 K. W....
Portugal.....	Cascaes, near Lisbon.....		540	40 miles...
Roumania.....	Constanza.....	KST		125 miles.
	Sulina.....			
	Cernavoda.....			125 miles.
	Galarasi.....			125 miles.
	Giurgu.....			125 miles.
	Bukarest.....			125 miles.

System.	Owner.	Intended for—	Remarks.
De Forest.....	U. S. Navy.....	Government use..	Open to public service.
Shoemaker.....	United Fruit Co..	Intercommunica- tion with sta- tions of United Fruit Co.	
Telefunken.....	Government.....	Public service...	In operation.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	.....do.....	.....do.....	Do.
Composite.....	U. S. Navy.....	Government use..	Open to public service.
Signal Corps.....	U. S. Army.....	.....do.....	Do.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	.....do.....	.....do.....	Do.
De Forest.....	U. S. Navy.....	Government use..	Open to public service.
Composite.....	.....do.....	.....do.....	Do.
Telefunken.....	Telegraph admn..	Government serv- ice only.	
Branly-Popp.....	Government.....		In operation.
.....do.....	.....do.....		Projected.
Telefunken.....	.....do.....		Do.
.....do.....	.....do.....		Do.
.....do.....	.....do.....		Do.]
.....do.....	.....do.....		Do.]



Country.	Name of station and location.	Call letter.	Wave length in meters.	Power.
Russia.....	Libau.....	BLW	360	120 miles..
	Kronstadt (fort near basin).	PPZ	360	175 miles..
	St. Petersburg (navy general staff).	.....	360	25 miles..
	Reval.....	BRW	Variable.	200 miles..
	Sevastopol.....	.....	360	120 miles..
	Kherson.....	.....	.....	120 miles..
	Vindau.....	.....	360	120 miles..
	Preste.....	BPS	Variable.	120 miles..
	Abo.....	BAO	360	65 miles..
	Gango.....	.....	360	65 miles..
	Parkalaud.	.....	360	65 miles..
	Leckte.....	BLH	360	65 miles..
	Peterhoff.....	.....	360	25 miles..
	Nikolaistadt.....	BNCh	360	125 miles..
Hapsal.....	.....	360	125 miles..	
Russia in Asia...	Vladivostok.....	Varies....	3 waves, varying.	725 miles..
Santo Domingo..	Santo Domingo City.....	.....	Variable.	20 K. W...
	Santiago.....	.....	700	2 K. W...
Siam.....	Bangkok.....	.....	.....	.....
	Cosichang.....	.....	.....	.....
Spain.....	Madrid.....	.....	Variable.	125 miles..
	Coruna.....	CO	350	20 miles..
	Ferrol.....	FE	350	20 miles..
	Almeria.....	ALM	Variable.	125 miles..

System.	Owner.	Intended for—	Remarks.
Telefunken.....	Russian navy.....		In operation.
.....do.....	.....do.....		Do.
.....do.....	.....do.....		Do.
Marconi.....	.....do.....		Do.
Telefunken.....	.....do.....		Do.
Ducretet Popoff.....	.....do.....		Do.
.....do.....	.....do.....		Not yet in operation.
Marconi.....	.....do.....		In operation.
.....do.....	.....do.....		Do.
.....do.....	.....do.....		Do.
.....do.....	.....do.....		Do.
.....do.....	.....do.....		Do.
Telefunken.....	.....do.....		Do.
Marconi.....	.....do.....		Do.
.....do.....	.....do.....		Projected.
Telefunken.....	Navy.....	For war purposes.....	
De Forest.....	Government.....	Communication with surrounding islands and United States.	In course of erection.
.....do.....	.....do.....	Communication with Santo Domingo City.	Do.
.....do.....	.....do.....		
.....do.....	.....do.....		
Telefunken.....	Government.....		In operation.
.....do.....	.....do.....		Do.
.....do.....	.....do.....		Do.
.....do.....	.....do.....		Do.

Country.	Name of station and location.	Call letter.	Wave length in meters.	Power.
Spain .....	Guadalajara.....	GU	600	30 miles..
	Cadiz.....			15 miles..
	Melilla.....	MEL	Variable.	125 miles..
	Chamartin.....	CH	Variable.	30 miles..
	Cadiz.....			To have a minimum radius of 1,600 kilometers.
	Cape San Antonio, Minorca.			
	Point Anaga.....			
	Teneriffe, Canary Islands.....			To have a minimum radius of 1,600 kilometers.
	Cape of Finisterre.....			To have a minimum radius of 400 kilometers.
	Villano de Tarifa.....			
	Gata.....			
San Antonio or La Nao.....				
Island of Minorca.....				
Sweden.....	Vacholm.....		350	125 miles..
	Stockholm.....		350	125 miles..
	Karlskrona.....		350	125 miles..
	Farosund Gotland.....		350	125 miles..
Switzerland .....	Scheidegg-Stockli.....		Variable.	35 miles..
Tobago.....	South Coast.....			
Tongking.....	Hanoi.....			95 miles..
	Phu-lion.....			95 miles..

System.	Owner.	Intended for—	Remarks.
Telefunken.....	Government.....		In operation.
Rochefort.....	Private.....		Do.
Telefunken.....	Government.....		Do.
do.....	do.....		Do.
	do.....		Do.
	do.....		Do.
	do.....		Do.
	do.....		Do.
	do.....		Do.
	do.....		Do.
	do.....		Do.
Telefunken.....	Government.....		In operation.
do.....	do.....		Do.
do.....	do.....		Do.
do.....	do.....		Do.
Telefunken.....	Army.....		
Lodge-Muirhead...	Government.....	Public service ...	In operation.
Telefunken.....	Army.....	Public service ...	
do.....	do.....		

Country.	Name of station and location.	Call letter.	Wave length in meters.	Power.
Trinidad.....	Port of Spain.....	SD		
Tripoli.....	Derna.....		780	500 miles .
Turkey.....	Patara.....		780	500 miles .
	Guslemish.....		Variable.	470 miles .
	Medina.....			
	Djidda.....			
	Yambo.....			
Uruguay.....	Montevideo.....	MV	Variable.	350 miles .
	Punta dell Este.....		Variable.	250 miles .
Zanzibar.....	Zanzibar.....		420	500 miles .
	Pemba.....		420	500 miles .

System.	Owner.	Intended for—	Remarks.
Lodge-Muirhead...	Government .....	Public service ...	In operation.
Telefunken.....	Turkish Govern- ment.	Public service ...	In operation
Telefunken.....	Government .....	Public service ...	In operation.
do.....	do.....	.....	Do.
.....	.....	.....	Projected.
.....	.....	.....	Do.
.....	.....	.....	Do.
Telefunken.....	Society for W. T..	Public service ...	In operation.
Marconi.....	Marconi Co.....	do.....	Do.
Lodge-Muirhead ..	Government .....	Public service ...	In operation.
do.....	do.....	do.....	Do.



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**LIST OF SHORE STATIONS BELONGING TO  
THE UNITED STATES NAVY**

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**(41)**





Name of station.	Call letter.	System.	Power in kilowatts.	Wave length in meters.
Cape Elizabeth, Me.....	PA	Telefunken.....	5	425
Portsmouth, N. H. (navy-yard).....	PC	Stone.....	3	600
Boston, Mass. (navy-yard).....	PG	.....do.....	3	600
Cape Cod, North Truro, Mass.....	PH	Composite.....	5	425
Nantucket Shoal light-ship.....	PI	Telefunken.....	5	425
Newport, R. I. (naval torpedo station).	PK	.....do.....	5	600
Fire Island, N. Y.....	PR	.....do.....	5	900
Brooklyn, N. Y. (navy-yard).....	PT	Stone.....	15	900
Philadelphia, Pa. (navy-yard).....	PV	.....do.....	3	425
Cape Henlopen, Lewes, Del.....	PX	Composite.....	3	600
Annapolis, Md. (Naval Academy) .....	QG	.....do.....	2½	425
Washington, D. C. (navy-yard).....	QI	.....do.....	15	900
Norfolk, Va. (navy-yard).....	QL	.....do.....	3	900
Diamond Shoal light-ship.....	QP	Fessenden.....	1	425
Pivers Island, Beaufort, N. C.....	QS	Massie.....	5	425
Charleston, S. C. (navy-yard).....	QU	.....do.....	5	600
St. Augustine, Fla.....	QX	Shoemaker.....	3	600
Jupiter Inlet, Neptune, Fla.....	RA	.....do.....	3	600
Key West, Fla. (naval station).....	RD	De Forest.....	35	1, 250
Pensacola, Fla. (navy-yard).....	RK	.....do.....	10	900
New Orleans, La. (naval station).....	RO	Telefunken.....	5	600
San Juan, P. R. (naval station).....	SA	De Forest.....	35	1, 250
Culebra, W. I. (naval station).....	SD	Composite.....	3	425
Guantanamo, Cuba (naval station).....	SI	De Forest.....	35	1, 250
Isthmian Canal Zone.....	SL	.....do.....	35	1, 250
Cordova, Alaska.....	SN	.....do.....	20	600
Sitka, Alaska.....	SO	Pierce.....	20	600
Puget Sound, Wash. (navy-yard).....	SP	Composite.....	3	425

Name of station.	Call letter.	System.	Power in kilowatts.	Wave length in meters.
Tatoosh Island, Wash.....	SV	.....do.....	15	600
North Head, Ilwaco, Wash.....	SX	Telefunken.....	5	600
Cape Blanco, Denmark, Oreg.....	TA	Massie.....	5	425
Table Bluff, Loleta, Cal.....	TD	.....do.....	5	425
Mare Island, Cal. (navy-yard).....	TG	Composite.....	2½	900
Farallon Islands, Cal.....	TH	.....do.....	10	900
Yerba Buena Island, Cal. (naval training station).	TI	.....do.....	2	425
Point Arguello, Surf, Cal.....	TK	Shoemaker.....	3	600
Point Loma, San Diego, Cal.....	TM	Composite.....	10	900
Honolulu, T. H. (naval station).....	UC	.....do.....	2	425
Island of Guam (naval station).....	UK	Telefunken.....	3	425
Cavite, P. I. (naval station).....	UT	Composite.....	5	600

LIST OF STATIONS BELONGING TO THE  
UNITED STATES ARMY

(45)



Country and name of station.	Call letter.	Power.	System.	Whether open to public.
<i>United States.</i>				
Fort Andrews, Mass.....		1 K. W....	Signal Corps...	Not open to public service.
Fort Hancock, N. J.....	FN	1 K. W....	do.....	Do.
Fort H. G. Wright, N. Y. . . . .	FW	1 K. W....	do.....	Do.
Fort Leavenworth, Kans. . . . .	FL		do.....	Do.
Fort Levett, Me.....		1 K. W....	do.....	Do.
Fort Monroe, Va.....		1 K. W....	do.....	Do.
Fort Omaha, Nebr.....		3 K. W....	do.....	Do.
Fort Riley, Kans.....			do.....	Do.
Fort Totten, N. Y.....	FT	1 K. W....	do.....	Do.
Fort Wood, N. Y.....	FD	3 K. W....	do.....	Do.
Fort Worden, Wash.....	FW	1 K. W....	do.....	Do.
<i>Alaska.</i>				
Circle City.....		3 K. W....	Signal Corps...	Open to public service.
Fairbanks.....		3 K. W....	do.....	Do.
Fort Egbert.....		3 K. W....	do.....	Do.
Fort Gibbon.....		10 K. W....	Massie.....	Do.
Fort St. Michael.....	WS'	3 K. W....	Signal Corps...	Do.
Petersburg.....		1 K. W....	Massie.....	Do.
Safety Harbor, Nome....	SA	10 K. W....	do.....	Do.
Wrangell.....		1 K. W....	Signal Corps...	Do.
<i>Philippine Islands.</i>				
Jolo.....	FS	3 K. W....	Signal Corps...	Open to public service.
Malalong.....		1 K. W....	do.....	Do.
Zamboanga.....	FM	1 K. W....	do.....	Do.
<i>United States army transport service.</i>				
Kilpatrick.....	ATK	3 K. W....	Signal Corps...	Open to public service.
Logan.....	ATL	3 K. W....	do.....	Do.
Sherman.....	ATR	3 K. W....	do.....	Do.
Sheridan.....	ATS	3 K. W....	do.....	Do.
Thomas.....	ATU	3 K. W....	do.....	Do.



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## LIST OF REVENUE CUTTERS

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59934—08—4

(49)





Name of ship.	Call letter.	System.	Power in kilowatts.	Wave length in meters.
Acushnet.....	RCU			
Algonquin.....	RCA	De Forest.....	2	360
Androscoggin.....	RCD	do.....		
Apache.....	RCP			
Bear.....	RCB			
Gresham.....	RCG	Stone.....	2	425
Itasca.....	RCI	Shoemaker.....	2	400
Manning.....	RCN	Stone.....	2	425
McCulloch.....	RCH	Massie.....	2	425
Mohawk.....	RCM	Telefunken.....	2	425
Onandaga.....	RCO	Shoemaker.....	2	400
Rush.....	RCR			
Seminole.....	RCS	De Forest.....	2	380
Seneca.....	RCE			
Snohomish.....	RCF			
Thetis.....	RCT			
Tuscarora.....	RCL			
Windom.....	RCW			



**LIST OF WIRELESS STATIONS ON BOARD  
MERCHANT VESSELS**

Name of line.	Name of vessel.	Call letter.	Wave length in meters.	Power.
American Line....	New York.....	MNK		
	Philadelphia.....	MPH		
	St. Louis.....	MSL		
	St. Paul.....	MSP		
Atlantic Trans- port Line.	Minnehaha.....	MMA		
	Minnetonka.....	MMK		
	Minneapolis.....	MMS		
Cunard Line.....	Lusitania.....	MFA	Variable.	
	Mauretania.....	MGA	Variable.	
	Campania.....	MCA		
	Etruria.....	MEA		
	Ivernia.....	MIA		
	Lucania.....	MLA		
	Pannonia.....	MNA		
	Carpathia.....	MPA		
	Caronia.....	MRA		
	Saxonia.....	MSA		
	Ultonia.....	MTA		
	Umbria.....	MUA		
	Slavonia.....	MVA		
Carmania.....	MAA			
Anchor Line.....	Caledonia.....	MAI	Variable.	
	Columbia.....	MOI	Variable.	
	Furnessia.....	MFI	Variable.	
Allan Line.....	Bavarian.....	MBN		
	Virginian.....	MGN		
	Parisian.....	MPN		
	Tunisian.....	MTN		
	Victorian.....	MVN		



Name of line.	Name of vessel.	Call letter.	Wave length in meters.	Power.
Isle of Man Steam Packet Co.	Empress Queen .....			
White Star Line ..	Arabic.....	MFC		
	Baltic.....	MBC		
	Cedric.....	MDC		
	Celtic.....	MLC		
	Majestic.....	MMC		
	Oceanic.....	MOC		
	Teutonic .....	MTC		
	Cymric .....	MGC		
	Adriatic.....	MHC		
Cie General Trans- atlantique.	La Lorraine.....	MLL		
	La Touraine.....	MLT		
	La Bretagne.....	MLB		
	La Champagne.....	MLC		
	La Savoie.....	MLS		
	La Gascogne.....	MLG		
	La Provence .....	MLP		
	La Chicago .....	MLY		
Belgium S. S.....	Princess Clementine .....	MPC	72	
	La Flandre.....	MLF	72	
	Princess Henriette.....	MPH	72	
	Princess Josephine.....	MPJ	72	
	Princess Elizabeth.....	MPE	72	
	Leopold II.....	MLD	72	
	Marie Henriette.....	MMH	72	
	Prince Albert.....	MPA	72	
	La Rapide.....	MRD	72	
Ville de Douvres.....	MVD	72		

System.	Owner.	Intended for--	Remarks.
Marconi.....	Marconi Co.....	Public service...	In operation.
Marconi.....	Shipowners.....	Public service...	In operation.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
Marconi.....	Cie Française Maritime.	Public service...	In operation.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
Marconi.....	Government.....		
do.....	do.....		
do.....	do.....		
do.....	do.....	Service between ships of the Bel- gium Govt. and also for cor- respondence with shore sta- tion at Nieuport.	Besides the ordinary telegraph rate, 20 cen- times a word, with a minimum charge of 2 francs a telegram. Morse code used.
do.....	do.....		
do.....	do.....		
do.....	do.....		
do.....	do.....		
do.....	do.....		



Name of line.	Name of vessel.	Call letter.	Wave length in meters.	Power.
Red Star Line.....	Zeeland.....	DZD	220	
	Vaderland.....	DVD	220	
	Finland.....	DFD	220	
	Kroonland.....	DKD	220	
North German Lloyd.	Kaiser Wilhelm der Grosse..	DKW		115 miles.
	Kaiser Wilhelm II.....	DKM		63 miles..
	Kronprinz Wilhelm.....	DKP		63 miles..
	Bremen.....	DBR		63 miles..
	Grosserzog von Oldenburg..	DGO		
Hamburg - Amer- ican Line.	Deutschland.....	DDL		63 miles..
	Moltke.....	DDM		63 miles..
	Blucher.....	DDB		63 miles..
	Amerika.....	DDR		63 miles..
	Meteor.....	DMR	300	
	Konig Friedrich August.....	DKF	300	
	Hamburg.....	DDH	300	
	Kaiserin Augusta Victoria...	DDA	300	
	Patricia.....	DDP	300	
	Graf Waldersee.....	DDW	300	
	Pennsylvania.....	DDN	300	
	President Grant.....	DDS	300	
	President Lincoln.....	DDT	300	
Konig Wilhelm.....	DKG	300		
Hamburg - South American Line.	Cap Vilano.....	DCV	Variable.	
	Cap Ortegá.....	DCO	Variable.	
	Cap Blanco.....	DCB	Variable.	
	Cap Arcona.....	DCA	Variable.	
	Cap Frio.....	DCF	Variable.	
	Cap Verde.....	DCE	Variable.	
	Cap Roca.....	DCR	Variable.	

System.	Owner.	Intended for—	Remarks.
Marconi.....	Marconi Co.....		In operation.
.do.....	do.....		Do.
.do.....	do.....		Do.
.do.....	do.....		Do.
Marconi.....	Shipowners.....	Public service....	In operation.
.do.....	do.....	do.....	Do.
.do.....	do.....	do.....	Do.
.do.....	Society for W. T.	do.....	Do.
Telefunken.....	Shipowners.....	do.....	Do.
Marconi.....	Shipowners.....	Public service....	In operation.
.do.....	do.....	do.....	Do.
.do.....	do.....	do.....	Do.
.do.....	do.....	do.....	Do.
Telefunken.....	do.....	do.....	Do.
.do.....	do.....	do.....	Do.
Marconi.....	do.....	do.....	Do.
.do.....	do.....	do.....	Do.
.do.....	do.....	do.....	Do.
.do.....	do.....	do.....	Do.
.do.....	do.....	do.....	Do.
.do.....	do.....	do.....	Do.
.do.....	do.....	do.....	Do.
Telefunken.....	do.....	do.....	Do.
Telefunken.....	Shipowners.....	Public service....	In operation.
.do.....	do.....	do.....	Do.
.do.....	do.....	do.....	Do.
.do.....	do.....	do.....	Do.
.do.....	do.....	do.....	Do.
.do.....	do.....	do.....	Do.
.do.....	do.....	do.....	Do.

Name of line.	Name of vessel.	Call letter.	Wave length in meters.	Power.
North German Lloyd.	Kronprinzessin Cecilie.....	DKA	400	.....
	Bremen.....	DBR	300	.....
	Groser Kurfurst.....	DKG	400	.....
Hamburg - Ameri- can (Atlas Line).	Sarnia.....	DSM	300	.....
	Siberia.....	DSV	300	.....
	Prinz August Wilhelm.....	DSB	300	.....
	Prinz Eitel Friedrich.....	DSI	300	.....
	Prinz Joachim.....	DSP	300	.....
	Prinz Sigismund.....	DSG	300	.....
Kiel Korsör Line..	Prince Adalbert.....	DPA	300	.....
	Prince Sigismund.....	DPS	300	.....
	Prince Waldemar.....	DPW	300	.....
Government.....	Pilot steamer Jade.....	AJA	350	.....
Scandanavian Am.	United States.....	SUS	450	250 miles.
	King Oscar II.....	SOR	450	250 miles.
	Hellig Olav.....	SHO	450	250 miles.
	J. F. Tietgen.....	SCF	450	250 miles.
Holland-American Line.	Noordam.....	DHA	Variable.	.....
	Statendam.....	DHS	Variable.	.....
	Ryndam.....	DHY	Variable.	.....
	Potsdam.....	DHM	Variable.	.....
	New Amsterdam.....	BHB	Variable.	.....
	Rotterdam.....	DHR	Variable.	.....

System.	Owner.	Intended for—	Remarks.
Marconi.....	Shipowners.....	Public service....	In operation.
Telefunken.....	.do.....	.do.....	Do.
Marconi.....	.do.....	.do.....	Do.
Composite.....	Shipowners.....	Public service....	In operation.
.do.....	.do.....	.do.....	Do.
.do.....	.do.....	.do.....	Do.
.do.....	.do.....	.do.....	Do.
.do.....	.do.....	.do.....	Do.
.do.....	.do.....	.do.....	Do.
Telefunken.....	Shipowners.....	Public service....	In operation.
.do.....	.do.....	.do.....	Do.
.do.....	.do.....	.do.....	Do.
Telefunken.....	Government.....	Official service....	In operation.
Composite.....	Amal. Rad. Tel. Co.	Public service....	In operation.
.do.....	.do.....	.do.....	Do.
.do.....	.do.....	.do.....	Do.
.do.....	.do.....	.do.....	Do.
Marconi.....	Marconi Co.....	Public service....	In operation.
.do.....	.do.....	.do.....	Do.
.do.....	.do.....	.do.....	Do.
.do.....	.do.....	.do.....	Do.
.do.....	.do.....	.do.....	Do.
.do.....	.do.....	.do.....	Do.

Name of line.	Name of vessel.	Call letter.	Wave length in meters.	Power.
Navigazione Generale Italiana.	Sicilia.....	MAC	Variable.	.....
	Lombardia.....	MAB	Variable.	.....
	Liguria.....	MAL	Variable.	.....
	Sardegna.....	MAS	Variable.	.....
	Umbria.....	MAU	Variable.	.....
	Duca Degli Abruzzi.....	MAD	.....	.....
	Verona.....	MOV	.....	.....
	Nord America.....	MVR	.....	.....
La Veloce Line. . .	Citta di Napoli.....	MVC	Variable.	.....
	Sud America.....	MVS	Variable.	.....
Austro -American Line.	Martha Washington.....	MUW	.....	.....
	Alice.....	MUL	.....	.....
	Argentina.....	MUG	.....	.....
	Oceania.....	MUO	.....	.....
Canadian steamers.	Empress of Britain.....	MPM	.....	.....
	Empress of Ireland.....	MPL	.....	.....
	Lake Champlain.....	MLN	.....	.....
	Lake Erie.....	MLE	.....	.....
	Lake Manitoba.....	MLM	.....	.....
	Lake Michigan.....	MLH	.....	.....
	Montezuma.....	MLK	.....	.....
	Montreal.....	MLI	.....	.....
	Montrose.....	MLJ	.....	.....
	Montfort.....	MLW	.....	.....
	Mount Royal.....	MLO	.....	.....
	Canada.....	MCT	.....	.....
	Lady Laurier.....	MLR	.....	.....
	Minto.....	MMT	.....	.....
	Stanley.....	MST	.....	.....
Montcalm.....	MNL	.....	.....	

System.	Owner.	Intended for--	Remarks.
Marconi.....	Marconi Co.....	Public service.....	In operation.
.do.....	.do.....	.do.....	Do.
.do.....	.do.....	.do.....	Do.
.do.....	.do.....	.do.....	Do.
.do.....	.do.....	.do.....	Do.
.do.....	.do.....	.do.....	Do.
.do.....	.do.....	.do.....	Do.
Marconi.....	Marconi Co.....	Public service.....	In operation.
.do.....	.do.....	.do.....	Do.
Marconi.....	Marconi Co.....	Public service.....	In operation.
.do.....	.do.....	.do.....	Do.
.do.....	.do.....	.do.....	Do.
.do.....	.do.....	.do.....	Do.
Marconi.....	Marconi Co.....	Public service.....	In operation.
.do.....	.do.....	.do.....	Do.
.do.....	.do.....	.do.....	Do.
.do.....	.do.....	.do.....	Do.
.do.....	.do.....	.do.....	Do.
.do.....	.do.....	.do.....	Do.
.do.....	.do.....	.do.....	Do.
.do.....	.do.....	.do.....	Do.
.do.....	.do.....	.do.....	Do.
.do.....	.do.....	.do.....	Do.
.do.....	.do.....	.do.....	Do.
.do.....	.do.....	.do.....	Do.
.do.....	.do.....	.do.....	Do.
.do.....	.do.....	.do.....	Do.
.do.....	.do.....	.do.....	Do.
.do.....	.do.....	.do.....	Do.
.do.....	.do.....	.do.....	Do.

Name of line.	Name of vessel.	Call letter.	Wave length in meters.	Power.
Red "D" Line....	Philadelphia.....	DA	300	200 miles.
	Caracas.....	DB	300	200 miles.
Mallory S. S. Line.	Denver.....	AD	300	200 miles.
	Concho.....	AC	300	200 miles.
	San Jacinto.....	AS	300	200 miles.
	Lampasas.....	AP	350	200 miles.
	Sabine.....	AB	350	200 miles.
	Rio Grande.....	AG	350	200 miles.
	Nueces.....	AH	350	200 miles.
	Alamo.....	AJ	350	200 miles.
	San Marcos.....	AK	350	200 miles.
	Comal.....	AM	350	200 miles.
	Colorado.....	AF	350	200 miles.
Brazos.....	AZ	350	200 miles.	
Quebec S. S. Line.	Bermudian.....	BA	300	250 miles.
N. Y. and Porto Rico S. S. Co.	Coamo.....	CA	300	200 miles.
	Carolina.....	CB	300	200 miles.
	San Juan.....	CJ	300	200 miles.
	Ponce.....	CP	300	200 miles.
	Seneca.....	CS	300	200 miles.
Ocean S. S. Co. of Savannah, Ga.	City of Columbus.....	FA	300	200 miles.
	City of Atlanta.....	FB	300	200 miles.
	City of Macon.....	FC	300	200 miles.
	City of Memphis.....	FD	300	200 miles.
	City of Savannah.....	FH	300	200 miles.
	Kansas City.....	FK	300	200 miles.





Name of line.	Name of vessel.	Call letter.	Wave length in meters.	Power.
Old Dominion Line.	Hamilton.....	OA	350	150 miles.
	Princess Anne.....	OB	350	150 miles.
	Jamestown.....	OC	350	150 miles.
	Jefferson.....	OD	350	150 miles.
	Monroe.....	ON	350	150 miles.
Ward Line.....	Merida.....	WM	350	200 miles.
	Havana.....	WH	350	200 miles.
	Saratoga.....	WS	350	200 miles.
	Mexico.....	WX	350	200 miles.
	Morro Castle.....	WC	350	200 miles.
	Monterey.....	WY	350	200 miles.
	Esperanza.....	WZ	350	200 miles.
	Vigilancia.....	WV	350	200 miles.
Seguranca.....	WG	350	200 miles.	
Sun Oil Co.....	Paraguay.....	YA	300	200 miles.
	Toledo.....	YD	300	200 miles.
The Fisheries Co..	Mindora.....	XM	300	100 miles.
	Walter Adams.....	XD	300	100 miles.
	Alaska.....	XK	300	100 miles.
	J. L. Lawrence.....	XN	300	100 miles.
	Jos. Wharton.....	XW	300	100 miles.
	Arizona.....	XA	300	100 miles.
	Quick Step.....	XQ	300	100 miles.
Metropolitan Line.	Yale.....	RY	400	200 miles.
	Harvard.....	RH	400	200 miles.

System.	Owner.	Intended for—	Remarks.
Composite.....	U. W. T. Co.....	Public service....	In operation.
.do.....	.do.....	.do.....	Do.
.do.....	.do.....	.do.....	Do.
.do.....	.do.....	.do.....	Do.
.do.....	.do.....	.do.....	Do.
Composite.....	U. W. T. Co.....	Public service....	In operation.
.do.....	.do.....	.do.....	Do.
.do.....	.do.....	.do.....	Do.
.do.....	.do.....	.do.....	Do.
.do.....	.do.....	.do.....	Do.
.do.....	.do.....	.do.....	Do.
.do.....	.do.....	.do.....	Do.
.do.....	.do.....	.do.....	Do.
.do.....	.do.....	.do.....	Do.
Composite.....	U. W. T. Co.....	Public service....	In operation.
.do.....	.do.....	.do.....	Do.
Composite.....	U. W. T. Co.....	Public service....	In operation.
.do.....	.do.....	.do.....	Do.
.do.....	.do.....	.do.....	Do.
.do.....	.do.....	.do.....	Do.
.do.....	.do.....	.do.....	Do.
.do.....	.do.....	.do.....	Do.
.do.....	.do.....	.do.....	Do.
Composite.....	U. W. T. Co.....	Public service....	In operation.
.do.....	.do.....	.do.....	Do.

Name of line.	Name of vessel.	Call letter.	Wave length in meters.	Power.
Panama R. R. Co..	Panama.....	MH	350	200 miles.
	Allianca.....	MA	350	200 miles.
	Colon.....	MX	350	200 miles.
	Advance.....	MV	350	200 miles.
	Finance.....	MF	350	200 miles.
P. & O. Nav. Co...	Olivette.....	KV	350	200 miles.
	Mascote.....	KM	350	200 miles.
Baltimore and Ohio R. R. Co.	Tug Savage.....	HS	300	100 miles.
Maine S. S. Co....	Horatio Hall.....	JH	350	200 miles.
	Manhattan.....	JM	350	.....
	North Star.....	JS	350	.....
New England Navigation Co.	Plymouth.....	HY	.....	$\frac{1}{4}$ K. W..
	Providence.....	PV	.....	$\frac{1}{4}$ K. W..
	Priscilla.....	CA	.....	$\frac{1}{4}$ K. W..
	Commonwealth.....	CW	.....	$\frac{1}{4}$ K. W..
	Pilgrim.....	GM	.....	$\frac{1}{4}$ K. W..
	New Hampshire.....	NS	.....	$\frac{1}{4}$ K. W..
	Maine.....	MA	.....	$\frac{1}{4}$ K. W..
	City of Lowell.....	WE	.....	$\frac{1}{4}$ K. W..
	Chester W. Chapin.....	HN	.....	$\frac{1}{4}$ K. W..
	Boston.....	BN	.....	$\frac{1}{4}$ K. W..
	Pequonnock.....	NK	.....	$\frac{1}{4}$ K. W..
	City of Taunton.....	Q	.....	$\frac{1}{4}$ K. W..
	Puritan.....	RN	.....	$\frac{1}{4}$ K. W..
Kennebec.....	MK	.....	$\frac{1}{4}$ K. W..	

System.	Owner.	Intended for—	Remarks.
Composite .....	U. W. T. Co.....	Public service ...	In operation.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
Composite .....	U. W. T. Co.....	Public service ...	In operation.
do.....	do.....	do.....	Do.
Composite .....	U. W. T. Co.....	Public service.....	In operation.
Composite .....	U. W. T. Co.....	Public service ...	In operation.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
Massie.....	Marine Transmis- sion Co.	Public service ...	Rate, 50 and 6.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.

Name of line.	Name of vessel.	Call letter.	Wave length in meters.	Power.
Royal Mail Steam Packet Co.	Tagus.....	NS	350	200 miles.
	Trent.....	NR	350	200 miles.
	Atrato.....	NA	350	200 miles.
	Orinoco.....	NO	350	200 miles.
	Magdalena.....	ND	350	200 miles.
United Fruit Co...	Ellis.....	UA	350	200 miles.
	Preston.....	UB	350	200 miles.
J. M. Guffey Pe- troleum Co.	Larimer.....	QA	350	200 miles.
	Ligonier.....	QO	350	200 miles.
	Winifred.....	QW	350	200 miles.
	J. M. Guffey.....	QF	350	200 miles.
	Barge Shenango.....	QC	350	200 miles.
	Oklahoma.....	QB	350	200 miles.
Munson Line.....	Mobila.....	PU	350	200 miles.
Southern Pacific..	Momus.....	KM	300	200 miles.
	Antilles.....	KA	300	200 miles.
	Creole.....	KR	300	200 miles.
Clyde S. S. Co....	Comanche.....	VC	350	200 miles.
	Apache.....	VA	350	200 miles.
	Huron.....	VH	350	200 miles.
	Iroquois.....	VF	350	200 miles.
	Algonquin.....	VG	350	200 miles.
	Araphoe.....	VB	350	200 miles.
	Seminole.....	VJ	350	200 miles.
Cherokee.....	VK	350	200 miles.	

System.	Owner.	Intended for—	Remarks.
Composite .....	U. W. T. Co.....	Public service....	In operation.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
Composite .....	U. W. T. Co.....	Public service....	In operation.
do.....	do.....	do.....	Do.
Composite .....	U. W. T. Co.....	Public service....	In operation.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
Composite .....	U. T. W. Co.....	Public service....	In operation.
Composite .....	U. W. T. Co.....	Public service....	In operation.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
Composite .....	U. W. T. Co.....	Public service....	In operation.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.

Name of line.	Name of vessel.	Call letter.	Wave length in meters.	Power.
East Asiatic S. S. Co.	Lituania.....	SLA	.....	250 miles.
	Estonia.....	SCA	.....	250 miles.
	Russia.....	SRM	.....	250 miles.
Hudson River, Peoples Line.	Adirondack.....	.....	.....	150 miles.
	C. W. Morse.....	.....	.....	150 miles.
Hudson River, Al- bany Day Line.	New York.....	.....	.....	150 miles.
	Hendrick Hudson.....	.....	.....	150 miles.
Independent S. S. Co.	Rosina.....	TR	.....	200 miles.
	Jos. Vacarro.....	TV	.....	200 miles.
Clark Towing Co..	E. C. Clark.....	.....	.....	100 miles.
Standard Oil Co...	Capt. A. F. Lucas.....	GB	350	200 miles.
	Astral.....	GS	350	200 miles.
	City of Everett.....	GF	350	200 miles.
	Barge No. 95.....	GP	350	200 miles.
	Barge No. 94.....	GH	350	200 miles.
Commercial Cable Co.	Mackay-Bennett.....	MMB	.....	.....
Steam yacht.....	Lysistrata.....	LA	400	200 miles.
Motor yacht.....	Sea Otter.....	WY	.....	50 miles.
Detroit & Buffalo S. S. Co.	Western States.....	CS	425	.....

System.	Owner.	Intended for—	Remarks.
Composite .....	Amal. Rad. Teleg. Co.	Public service...	In operation.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	.....do.....	.....do.....	Do.
Composite .....	U. W. T. Co.....	Public .....	In operation.
.....do.....	.....do.....	.....do.....	Do.
Composite .....	U. W. T. Co.....	Public service...	In operation.
.....do.....	.....do.....	.....do.....	Do.
Composite .....	U. W. T. Co.....	Public service...	In operation.
.....do.....	.....do.....	.....do.....	Do.
Composite .....	U. W. T. Co.....	.....do.....	In operation.
Composite .....	U. W. T. Co.....	.....do.....	In operation.
.....do.....	.....do.....	.....do.....	
.....do.....	.....do.....	.....do.....	
.....do.....	.....do.....	.....do.....	
.....do.....	.....do.....	.....do.....	
Marconi .....	Shipowners .....	Private use.....	In operation.
De Forest.....	J. G. Bennett....	Private use.....	In operation.
Massie.....	Hugh L. Wil- loughby.	Private use.....	In operation.
Clark.....	Clark Co.....	Public use.....	In operation.



Name of line.	Name of vessel.	Call letter.	Wave length in meters.	Power.
Detroit & Cleveland S. S. Co.	City of Detroit.....	CD	700	.....
	City of Cleveland.....	CC	850	.....
Pacific Coast S. S. Co.	President.....	V2	400	3 K. W..
	Governor.....	B2	400	3 K. W..
	City of Pueblo.....	G2	400	2 K. W..
	Queen.....	A2	400	2 K. W..
North Pacific S. S. Co.	Geo. W. Elder.....	M2	400	2 K. W..
	Roanoke.....	S2	400	2 K. W..
San Francisco & Portland S. S. Co.	Rose City.....	H2	400	3 K. W..
Humboldt S. S. Co.	Humboldt.....	D2	400	2 K. W..
Alaska Pacific Co.	Buckman.....	P7	.....	400 miles.
	Watson.....	P8	.....	400 miles.
Alaska Coast Co...	Portland.....	P3	.....	400 miles.
	Bertha.....	P9	.....	400 miles.
Alaska S. S. Co...	Yucatan.....	AG	.....	400 miles.
	Pennsylvania.....	AH	.....	400 miles.
	Victoria.....	AD	.....	400 miles.
	Santa Clara.....	AK	.....	400 miles.
	Northwestern.....	AN	.....	400 miles.

System.	Owner.	Intended for—	Remarks.
Clark .....	Clark Co. ....	Public use.....	In operation.
do.....	do.....	do.....	Do.
Massie .....	Marine Trans. Co.	Public service....	In operation.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
Massie .....	Marine Trans. Co.	Public service....	In operation.
do.....	do.....	do.....	Do.
Massie .....	Marine Trans. Co.	Public service....	In operation.
Massie .....	Marine Trans. Co.	Public service....	In operation.
Composite .....	U. W. T. Co.....	Public service....	In operation.
do.....	do.....	do.....	Do.
Composite .....	U. W. T. Co.....	Public service....	In operation.
do.....	do.....	do.....	Do.
Composite .....	U. W. T. Co.....	Public service....	In operation.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.

Name of line.	Name of vessel.	Call letter.	Wave length in meters.	Power.
Matson Navigation Co.	Enterprise.....	P1	.....	400 miles.
	Hilonian.....	P2	.....	400 miles.
	Lurline.....	U2	400	3 K. W..
Associated Oil Co.	W. S. Porter.....	BD	.....	2 K. W..
Tacoma Tug and Barge Co.	Fearless.....	N2	300	1 K. W..
Chlopeck Fish Co.	Chicago.....	AB	.....	400 miles.
Standard Oil Co..	Col. E. L. Drake.....	P5	350	400 miles.
	Barge No. 3.....	P6	350	400 miles.
British Columbia Salvage Co.	Salvor.....	SAL	330	1 K. W..
Toyo Kisen Kai-sha Line.	Americamaru.....	TMC	.....	.....
	Tenyomaru.....	TTY	.....	.....
	Hongkongmaru.....	THK	.....	.....
	Nipponmaru.....	TNP	.....	.....
	Iyomaru.....	YIY	300	.....
	Tosamaru.....	YTS	300	.....
	Kagamaru.....	YKG	300	.....
	Tangomaru.....	YTG	300	.....
	Shinanomaru.....	YSN	300	.....
Akimaru.....	YAK	300	.....	

System.	Owner.	Intended for—	Remarks.
Composite .....	U. W. T. Co.....	Public service....	In operation.
do.....	do.....	do.....	Do.
Massie .....	Marine Trans. Co.....	do.....	Do.
Composite .....	U. W. T. Co.....	Public service....	In operation.
Massie .....	Marine Trans. Co.....	do.....	In operation.
Composite .....	U. W. T. Co.....	do.....	In operation.
Composite .....	U. W. T. Co.....	do.....	In operation.
do.....	do.....	do.....	
do.....	Shipowners.....	do.....	This ship ready to send immediate assistance to ships in distress.
Teishinsho .....	do.....	Public service....	} These steamers ply between San Francisco, Honolulu, and Yokohama.
do.....	do.....	do.....	
do.....	do.....	do.....	
do.....	do.....	do.....	
do.....	do.....	do.....	
do.....	do.....	do.....	
do.....	do.....	do.....	
do.....	do.....	do.....	
do.....	do.....	do.....	
do.....	do.....	do.....	



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LIST OF VESSELS OF THE UNITED STATES  
NAVY

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(79)



Name of ship.	Call letter.	System.	Power in kilowatts.	Wave length in meters.
Abarenda.....	BA			
Adams.....	BC			
Ajax.....	BD			
Alabama.....	BE	Fessenden.....	1½	425
Albany.....	BF	Composite.....	2	425
Alert.....	BG			
Alexander.....	BH			
.....	BI			
Amphitrite.....	BJ			
Annapolis.....	BK			
Arethusa.....	BL			
Arizona.....	BM			
Arkansas.....	BN			
Atlanta.....	BO			
.....	BP			
.....	BQ			
.....	BR			
.....	BS			
.....	BT			
Bainbridge.....	BU			
Baltimore.....	BV			
Bancroft.....	BW			
Barry.....	BX			
Bennington.....	BY			
Birmingham.....	BZ	Shoemaker.....	5	425
Boston.....	CA			
Boxer.....	CB			
Brooklyn.....	CD			
Brutus.....	CE			



Name of ship.	Call letter.	System.	Power in kilowatts.	Wave length in meters.
Buffalo.....	CF	Composite .....	2	425
.....	CG	.....	.....	.....
.....	CH	.....	.....	.....
.....	CI	.....	.....	.....
.....	CJ	.....	.....	.....
.....	CK	.....	.....	.....
.....	CL	.....	.....	.....
.....	CM	.....	.....	.....
Caesar.....	CN	.....	.....	.....
California.....	CO	Shoemaker.....	3	425
Castine.....	CP	.....	.....	.....
Celtic.....	CQ	.....	.....	.....
Charleston.....	CR	Shoemaker.....	1½	425
Chattanooga.....	CS	Composite .....	1	425
Chauncey.....	CT	.....	.....	.....
Chesapeake.....	CU	.....	.....	.....
Chester.....	CV	Shoemaker.....	5	425
Chicago.....	CW	Composite .....	1	425
Cincinnati.....	CX	.....	.....	.....
Cleveland.....	CY	Composite .....	1	425
Colorado.....	CZ	De Forest.....	2	425
Columbia.....	DA	.....	.....	.....
Concord.....	DB	Telefunken.....	1	425
Connecticut.....	DC	Shoemaker.....	3	425
Constellation.....	DE	.....	.....	.....
Constitution.....	DF	.....	.....	.....
Culgoa.....	DG	Composite .....	3	425
Cumberland.....	DH	.....	.....	.....
.....	DI	.....	.....	.....
.....	DJ	.....	.....	.....
.....	DK	.....	.....	.....
.....	DL	.....	.....	.....

Name of ship.	Call letter.	System.	Power in kilowatts.	Wave length in meters.
Dale.....	DM			
Decatur.....	DN			
Delaware.....	DO			
Denver.....	DP	Composite.....	2	425
Des Moines.....	DQ	Composite.....	1	425
Detroit.....	DR			
Dixie.....	DS			
Dolphin.....	DT	Fessenden.....	1	425
Don Juan de Austria.....	DU	Composite.....	2	425
Dubuque.....	DV	Fessenden.....	1	425
.....	DW			
.....	DX			
.....	DY			
.....	DZ			
.....	EA			
Elcano.....	EB			
Erie.....	EC			
Farragut.....	ED			
Florida.....	EF			
.....	EG			
.....	EH			
.....	EI			
.....	EJ			
.....	EK			
Galveston.....	EL	Telefunken.....	2	425
Georgia.....	EM	Stone.....	2	425
Glacier.....	EN	Composite.....	2	425
Gloucester.....	EO			
Goldsborough.....	EP	Composite.....	1	425
.....	EQ			
.....	ER			
.....	ES			

Name of ship.	Call letter.	System.	Power in kilowatts.	Wave length in meters.
.....	ET	.....	.....	.....
.....	EU	.....	.....	.....
.....	EV	.....	.....	.....
Hannibal.....	EW	.....	.....	.....
Hartford.....	EX	Composite.....	2	425
Helena.....	EY	Telefunken.....	2	425
Hopkins.....	EZ	.....	.....	.....
Hull.....	FA	.....	.....	.....
.....	FB	.....	.....	.....
.....	FC	.....	.....	.....
.....	FD	.....	.....	.....
.....	FH	.....	.....	.....
.....	FI	.....	.....	.....
.....	FJ	.....	.....	.....
Idaho.....	FK	Stone.....	5	425
Illinois.....	FL	Fessenden.....	1	425
Indiana.....	FM	Telefunken.....	2	425
Intrepid.....	FN	.....	.....	.....
Iowa.....	FO	Composite.....	2	425
Iris.....	FP	.....	.....	.....
Isla de Cuba.....	FQ	.....	.....	.....
Isla de Luzon.....	FR	.....	.....	.....
.....	FS	.....	.....	.....
.....	FT	.....	.....	.....
.....	FU	.....	.....	.....
.....	FV	.....	.....	.....
.....	FW	.....	.....	.....
.....	FX	.....	.....	.....
.....	FY	.....	.....	.....
Justin.....	FZ	.....	.....	.....
.....	GA	.....	.....	.....
.....	GB	.....	.....	.....

Name of ship.	Call letter.	System.	Power in kilowatts.	Wave length in meters.
.....	GC	.....	.....	.....
.....	GD	.....	.....	.....
.....	GE	.....	.....	.....
<b>Kansas</b> .....	GF	Stone.....	5	425
<b>Katahdin</b> .....	GH	.....	.....	.....
<b>Kearsarge</b> .....	GI	Composite.....	2	425
<b>Kentucky</b> .....	GK	do.....	2	425
.....	GL	.....	.....	.....
.....	GM	.....	.....	.....
.....	GN	.....	.....	.....
.....	GO	.....	.....	.....
<b>Lawrence</b> .....	GP	.....	.....	.....
.....	GQ	.....	.....	.....
<b>Lebanon</b> .....	GR	Stone.....	2	425
<b>Leonidas</b> .....	GS	.....	.....	.....
<b>Louisiana</b> .....	GT	Shoemaker.....	3	425
.....	GU	.....	.....	.....
.....	GV	.....	.....	.....
.....	GW	.....	.....	.....
.....	GX	.....	.....	.....
.....	GY	.....	.....	.....
.....	GZ	.....	.....	.....
<b>MacDonough</b> .....	HA	.....	.....	.....
<b>Machias</b> .....	HB	.....	.....	.....
<b>Maine</b> .....	HC	Composite.....	1½	425
<b>Marblehead</b> .....	HD	.....	.....	.....
<b>Marcellus</b> .....	HE	.....	.....	.....
<b>Marietta</b> .....	HF	Telefunken.....	1	425
<b>Maryland</b> .....	HG	Shoemaker.....	1½	425
<b>Massachusetts</b> .....	HI	Composite.....	1	425
<b>Mayflower</b> .....	HJ	Telefunken.....	1	425
<b>Miantonomoh</b> .....	HK	.....	.....	.....

Name of ship.	Call letter.	System.	Power in kilowatts.	Wave length in meters.
Michigan.....	HL			
Milwaukee.....	HM	Shoemaker....	2	425
Minneapolis.....	HN			
Minnesota.....	HO	Stone.....	3	425
Mississippi.....	HP	.....do.....	5	425
Missouri.....	HQ	Composite.....	2	425
.....	HR			
Monadnock.....	HS			
.....	HT			
Montana.....	HU	Shoemaker....	5	425
Monterey.....	HV			
Montgomery.....	HW	Composite.....	2	425
.....	HX			
.....	HY			
.....	HZ			
.....	IA			
.....	IB			
Nanshan.....	IC			
Nashville.....	ID			
Nebraska.....	IE	Telefunken....	3	425
Nero.....	IF			
Nevada.....	IG			
Newark.....	IH	Telefunken....	2	425
New Hampshire.....	IJ	Pierce.....	5	425
New Jersey.....	IK	Shoemaker....	3	425
New Mexico.....	IL			
New Orleans.....	IM			
Newport.....	IN			
New York.....	IO			
North Carolina.....	IP	Shoemaker....	5	425
North Dakota.....	IQ			
.....	IR			

Name of ship.	Call letter.	System.	Power in kilowatts.	Wave length in meters.
.....	IS	.....	.....	.....
.....	IT	.....	.....	.....
.....	IU	.....	.....	.....
Ohio.....	IW	Shoemaker.....	2	425
Oklahoma.....	IX	.....	.....	.....
Olympia.....	IY	Telefunken.....	2	425
Ontario.....	IZ	.....	.....	.....
Oregon.....	JA	.....	.....	.....
.....	JB	.....	.....	.....
.....	JC	.....	.....	.....
.....	JD	.....	.....	.....
.....	JE	.....	.....	.....
Paducah.....	JF	Telefunken.....	1	425
Panther.....	JG	Composite.....	2½	425
Paul Jones.....	JH	Composite.....	2	425
Pennsylvania.....	JI	Shoemaker.....	2	425
Perry.....	JK	Composite.....	2	425
Petrel.....	JL	.....	.....	.....
Pompey.....	JM	.....	.....	.....
Prairie.....	JN	Telefunken.....	2	425
Preble.....	JO	Composite.....	2	425
Princeton.....	JP	.....	.....	.....
Puritan.....	JQ	.....	.....	.....
.....	JR	.....	.....	.....
.....	JS	.....	.....	.....
.....	JT	.....	.....	.....
.....	JU	.....	.....	.....
Rainbow.....	JV	Telefunken.....	2	425
Raleigh.....	JW	.....	.....	.....
Ranger.....	JX	Telefunken.....	2	425
.....	JY	.....	.....	.....
Relief.....	JZ	.....	.....	.....

Name of ship.	Call letter.	System.	Power in kilowatts.	Wave length in meters.
Rhode Island.....	KA	Shoemaker.....	1½	425
.....	KB	.....	.....	.....
.....	KC	.....	.....	.....
.....	KD	.....	.....	.....
.....	KE	.....	.....	.....
.....	KF	.....	.....	.....
Salem.....	KG	Pierce.....	5	425
San Francisco.....	KH	.....	.....	.....
Saturn.....	KI	.....	.....	.....
Scorpion.....	KJ	Fessenden.....	1½	425
Solace.....	KL	Composite.....	2	425
South Carolina.....	KM	.....	.....	.....
South Dakota.....	KN	Shoemaker.....	3	425
Sterling.....	KO	.....	.....	.....
Stewart.....	KP	.....	.....	.....
St. Louis.....	KQ	Shoemaker.....	3	425
Supply.....	KR	Composite.....	2½	425
.....	KS	.....	.....	.....
.....	KT	.....	.....	.....
.....	KU	.....	.....	.....
.....	KV	.....	.....	.....
Tallahassee.....	KW	.....	.....	.....
Tacoma.....	KX	Composite.....	2	425
Tennessee.....	KY	Composite.....	3	425
Terror.....	KZ	.....	.....	.....
Texas.....	LA	Telefunken.....	2	425
Topeka.....	LB	.....	.....	.....
Truxtun.....	LC	.....	.....	.....
.....	LD	.....	.....	.....
.....	LE	.....	.....	.....
.....	LF	.....	.....	.....
.....	LG	.....	.....	.....

Name of ship.	Call letter.	System.	Power in kilowatts.	Wave length in meters.
.....	LH	.....	.....	.....
Utah.....	LI	.....	.....	.....
.....	LJ	.....	.....	.....
.....	LK	.....	.....	.....
.....	LM	.....	.....	.....
.....	LN	.....	.....	.....
Vermont.....	LO	Telefunken.....	3	425
Vicksburg.....	LP	.....	.....	.....
Virginia.....	LQ	Shoemaker.....	3	425
.....	LR	.....	.....	.....
.....	LS	.....	.....	.....
.....	LT	.....	.....	.....
.....	LU	.....	.....	.....
.....	LV	.....	.....	.....
Washington.....	LW	Shoemaker.....	3	425
West Virginia.....	LX	De Forest.....	2	425
Wheeling.....	LY	Composite.....	2½	425
Whipple.....	LZ	Shoemaker.....	1	425
Wilmington.....	MA	Telefunken.....	2	425
Wisconsin.....	MB	Shoemaker.....	3	425
Worden.....	MC	.....	.....	.....
Wyoming.....	MD	.....	.....	.....
.....	ME	.....	.....	.....
.....	MF	.....	.....	.....
.....	MG	.....	.....	.....
.....	MH	.....	.....	.....
.....	MI	.....	.....	.....
Yankee.....	MJ	Telefunken.....	1	425
Yankton.....	MK	do.....	1	425
Yorktown.....	ML	Composite.....	2½	425
.....	MN	.....	.....	.....
.....	MO	.....	.....	.....



Name of ship.	Call letter.	System.	Power in kilowatts.	Wave length in meters.
.....	MP	.....	.....	.....
.....	MQ	.....	.....	.....
.....	MR	.....	.....	.....
.....	MS	.....	.....	.....
.....	MT	.....	.....	.....
.....	MU	.....	.....	.....
.....	MV	.....	.....	.....
.....	MW	.....	.....	.....
.....	MX	.....	.....	.....
.....	MY	.....	.....	.....
.....	MZ	.....	.....	.....

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5.2. W 74 909

Equipment Bureau

LIST OF

WIRELESS TELEGRAPH STATIONS  
OF THE WORLD

INCLUDING SHORE STATIONS, MERCHANT VESSELS,  
REVENUE CUTTERS, AND VESSELS OF THE  
UNITED STATES NAVY

—————  
CORRECTED TO SEPTEMBER 1, 1909  
—————

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**NOTE.**

**Errors or omissions should be reported to the Bureau of Equipment, Navy Department, Washington, D. C.**

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LIST OF WIRELESS TELEGRAPH SHORE  
STATIONS OF THE WORLD

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(3)

Country.	Name of station and location.	Call letter.	Wave length in meters.	Power.
United States....	Albany, N. Y. (Hotel Ten Eyck).	BQ	300	2 K. W...
	Amesbury, Mass.....	HY	.....	2 K. W...
	Annapolis, Md. (Naval Academy).	NAK	425	2½ K. W..
	Atlantic City, N. J. (Young's Pier).	AX	800	2 K. W...
	Beaufort, N. C. (Pivers Island).	NAN	425	5 K. W...
	Benton Harbor, Mich.....	BH	.....	.....
	Boston, Mass. (Exchange Building).	BN	450	2 K. W...
	Boston, Mass. (navy-yard).	NAD	600	3 K. W...
	Boston, Mass. (86 Broad st.).	BX	.....	.....
	Boston, Mass. (Boston Herald).	BH	.....	.....
	Brant Rock, Mass.....	BO	1,800	15 K. W..
	Brooklyn, N. Y. (navy-yard).	NAH	900	15 K. W..
	Bridgeport, Conn.....	BG	750	2 K. W...
	Buffalo, N. Y.....	CB	Variable.	15 K. W..
	Buffalo, N. Y.....	BF	.....	.....
	Cambridge, Mass. (Harvard University).	.....	400	5 K. W...
	Cambridge, Mass.....	S	Variable.	3 K. W...
	Cape Cod, Wellsfleet, Mass.	CC	1,500	35 K. W..
	Cape Cod, North Truro, Mass.	NAE	425	5 K. W...
	Cape Elizabeth, Me.....	NAB	425	5 K. W...
	Cape Hatteras, N. C.....	HA	450	3 K. W...
	Cape Henlopen, Lewes, Del.	NAJ	600	3 K. W...
	Charleston, S. C.....	SN	450	2 K. W...
	Charleston, S. C. (navy-yard).	NAO	600	5 K. W...
	Chicago, Ill.....	GO	.....	.....
	Cleveland, Ohio.....	CX	.....	.....
	Cleveland, Ohio.....	CN	Variable.	10 K. W..
	Detroit, Mich.....	CW	Variable.	5 K. W...
	Detroit, Mich.....	DR	.....	.....
	Detroit, Mich. (Detroit Journal).	CJL	Variable.	5 K. W...

System.	Owner.	Intended for—	Remarks.
United.....	U. W. T. Co.....	Public service....	Open 10 a. m. to 9 p. m.
Pickard.....	Wireless Spec. Ap. Co.	.....	Experimental station.
Composite .....	U. S. Navy.....	Government use..	Open to public service.
United.....	U. W. T. Co.....	Public service....	Open 7 a. m. to 1 a. m.
Massie.....	U. S. Navy.....	Government use..	Open to public service.
United.....	U. W. T. Co.....	Public service....	
.....do.....	.....do.....	.....do.....	Open 24 hours daily.
Stone.....	U. S. Navy.....	Government use..	Open to public service.
United.....	.....	Public service....	
.....do.....	.....do.....	.....do.....	
Fessenden.....	Nat. Elec. Sig. Co.	Com munication with Scotland.	In operation.
Stone.....	U. S. Navy.....	Government use..	Open to public service.
United.....	U. W. T. Co.....	Public service....	Open 8.30 a. m. to 8 p. m.; Tuesday, Thursday, and Satur- day open 8.30 a. m. to 10.30 p. m.
Clark.....	Clark Co.....	.....do.....	Open 6 a. m. to 10 p. m.
United.....	U. W. T. Co.....	.....do.....	
Pierce.....	Harvard Univer- sity.	.....	Experimental station.
Stone.....	Stone Co.....	.....	Do.
Marconi.....	Marconi Co.....	Trans-Atlantic....	In operation.
Composite.....	U. S. Navy.....	Government use..	Open to public service.
Telefunken.....	.....do.....	.....do.....	Do.
United .....	U. W. T. Co.....	Public service....	Open 2 a. m. to 12 m.; 2.30 to 5 p. m.
Composite.....	U. S. Navy.....	Government use..	Open to public service.
United.....	U. W. T. Co.....	Public service....	Open 8 a. m. to 1 p. m.; 2.30 p. m. to 6 p. m.; 8 p. m. to 10 p. m.
Massie.....	U. S. Navy.....	Government use..	Open to public service.
United .....	U. W. T. Co.....	Public service....	
.....do.....	.....do.....	.....do.....	
Clark.....	Clark Co.....	Public service....	Open 24 hours daily.
.....do.....	.....do.....	.....do.....	Do.
United .....	U. W. T. Co.....	.....do.....	
Clark.....	Clark Co.....	.....do.....	

Country.	Name of station and location.	Call letter.	Wave length in meters.	Power.
United States....	Diamond Shoals light- ship.	NLB	425	1 K. W...
	Duluth, Minn.....	CDU	Variable.	15 K. W..
	Duluth, Minn.....	DM	.....	.....
	Elizabeth City, N. C.....	HD	350	2 K. W...
	Erie, Pa.....	KN	.....	.....
	Fire Island, N. Y.....	NAG	900	5 K. W...
	Fort Andrews, Mass.....	FG	.....	1 K. W...
	Fort Hancock, N. J.....	FN	.....	1 K. W...
	Fort H. G. Wright, N. Y..	FW	.....	1 K. W...
	Fort Leavenworth, Kans..	FL	.....	3 K. W...
	Fort Levett, Me.....	FV	.....	1 K. W...
	Fort Monroe, Va.....	FX	.....	1 K. W...
	Fort Morgan, Ala.....	FN	.....	1 K. W...
	Fort Omaha, Nebr.....	FS	.....	3 K. W...
	Fort Riley, Kans.....	FZ	.....	3 K. W...
	Fort Totten, N. Y.....	FT	.....	1 K. W...
	Fort Wood, N. Y.....	FD	.....	3 K. W...
	Galilee, N. J.....	G	450	2 K. W...
	Galveston, Tex.....	GV	450	2 K. W...
	Grand Haven, Mich.....	GH	.....	.....
	Holland, Mich.....	H	.....	.....
	Houghton, Mich.....	HU	.....	.....
	Isles of Shoals, N. H.....	A	Variable.	.....
	Jupiter Inlet, Fla.....	NAQ	600	3 K. W...
	Key West, Fla.....	KW	400	2 K. W...
	Key West, Fla. (naval station).	NAR	1, 250	35 K. W..
	Long Beach, N. Y.....	NH	.....	.....
	Ludington, Mich.....	HX	.....	.....
	Mackinac Island, Mich,...	HQ	.....	.....
	Manhattan Beach, Long Island.	DF	800	2 K. W...
Manitowoc, Wis.....	MW	.....	.....	

System.	Owner.	Intended for—	Remarks.
Fessenden.....	U. S. Navy.....	Government use..	Open to public service.
Clark.....	Clark Co.....	Public service....	Under construction.
United.....	U. W. T. Co.....	.....do.....	
.....do.....	.....do.....	.....do.....	Open 7 a. m. to 10 p. m.
.....do.....	.....do.....	.....do.....	
Telefunken.....	U. S. Navy.....	Government use..	Open to public service.
Signal Corps.....	U. S. Army.....	.....do.....	Not open to public service.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	U. W. T. Co.....	Public service....	Open 5.30 a. m. to 6.30 p. m.
.....do.....	U. S. Army.....	Government use..	Not open to public service.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	.....do.....	.....do.....	Do.
United.....	U. W. T. Co.....	Public service....	Open 12 m. to 12 p. m.
.....do.....	.....do.....	.....do.....	Open 9 to 11.30 a. m., 2 to 5.30 p. m.; Friday and Wednesday also 7.30 to 11 p. m.
.....do.....	.....do.....	.....do.....	
.....do.....	.....do.....	.....do.....	
.....do.....	.....do.....	.....do.....	
Stone.....	Stone Co.....	.....do.....	
Shoemaker.....	U. S. Navy.....	Government use..	Open to public service.
United.....	U. W. T. Co.....	Public service....	Open 8 a. m. to 11 a. m., 1 p. m. to 4 p. m.
Composite.....	U. S. Navy.....	Government use..	Open to public service.
United.....	U. W. T. Co.....	Public service....	
.....do.....	.....do.....	.....do.....	
.....do.....	.....do.....	.....do.....	
.....do.....	.....do.....	.....do.....	Open 5 a. m. to 12 m., 9 to 12 p. m.
.....do.....	.....do.....	.....do.....	

Country.	Name of station and location.	Call letter.	Wave length in meters.	Power.
United States....	Marquette, Mich.....	MR	.....	.....
	Marquette, Mich.....	CM	Variable.	10 K. W..
	Milwaukee, Wis.....	MK	.....	.....
	Milwaukee, Wis.....	CMW	Variable.	15 K. W..
	Mobile, Ala.....	MB	400	2 K. W...
	Mount Beacon, N. Y.....	MC	.....	.....
	Nantucket Shoals light- ship.	NLA	425	5 K. W...
	New Orleans, La. (naval station).	NAT	600	5 K. W...
	New Orleans, La.....	HR	400	2 K. W...
	Newport, R. I. (naval torpedo station).	NAF	600	5 K. W...
	New York City (Waldorf- Astoria).	BW	450	2 K. W...
	New York City (Hotel Plaza).	FS	450	2 K. W...
	New York City (42 Broad- way).	NY	Variable.	2 K. W...
	New York City (111 Broadway).	TWT	425	.....
	Norfolk, Va.....	N	350	2 K. W...
	Norfolk, Va. (navy-yard)..	NAM	900	3 K. W...
	Pensacola, Fla. (navy- yard).	NAS	900	10 K. W..
	Petoskey, Mich.....	NZ	.....	.....
	Philadelphia, Pa. (Belle- vue-Stratford).	BX	400	2 K. W...
	Philadelphia, Pa. (navy- yard).	NAI	425	3 K. W...
	Point Judith, R. I.....	PJ	.....	2 K. W...
	Port Arthur, Tex.....	RA	450	2 K. W...
	Port Bolivar, Tex.....	PB	350	1 K. W...
	Port Huron, Mich.....	CY	Variable.	5 K. W...
	Port Huron, Mich.....	CH	Variable.	10 K. W..
	Portsmouth, N. H. (navy- yard).	NAC	600	3 K. W...
	Sagaponak, N. Y.....	SK	350	2 K. W...
	Sault Ste. Marie, Mich....	CJ	Variable.	25 K. W..
	Sault Ste. Marie, Mich....	SH	.....	.....
	Savannah, Ga.....	SV	450	2 K. W...
Sea Gate, N. Y.....	SE	350	.....	

System.	Owner.	Intended for—	Remarks.
United .....	U. W. T. Co.....	Public service...	
Clark.....	Clark Co.....	.do.....	Under construction.
United.....	U. W. T. Co.....	.do.....	
Clark.....	Clark Co.....	.do.....	
.do.....	U. W. T. Co.....	.do.....	Open 5.30 a. m. to 6.30 p. m.
.do.....	.do.....	.do.....	
Telefunken.....	U. S. Navy.....	Government use..	Open to public service.
.do.....	.do.....	.do.....	Do.
United.....	United Fruit Co..	Public service....	Open 9 a. m. to 7 p. m.; primarily for Fruit Co.'s own ships.
Telefunken.....	U. S. Navy.....	Government use..	Open to public service.
United.....	U. W. T. Co.....	Public service....	Open 10 a. m. to 9 p. m.
.do.....	.do.....	.do.....	Do.
.do.....	.do.....	.do.....	Open 24 hours daily.
Telefunken.....	Telefunken Co....	.do.....	
United.....	U. W. T. Co.....	.do.....	Open 7.30 a. m. to 2 p. m.; 7 p. m. to 11 p. m.
Composite.....	U. S. Navy.....	Government use..	Open to public service.
.do.....	.do.....	.do.....	Do.
United.....	U. W. T. Co.....	Public service...	
.do.....	.do.....	.do.....	Open 10 a. m. to 9 p. m.
Stone.....	U. S. Navy.....	Government use..	Open to public service.
Massie.....	Massie Co.....	Public service...	
United.....	U. W. T. Co.....	.do.....	Open 9 a. m. to 5 p. m.
.do.....	.do.....	.do.....	Open 9 a. m. to 11 a. m.; 2 p. m. to 4 p. m.; 8 p. m. to 11 p. m.
Clark.....	Clark Co.....	.do.....	
.do.....	.do.....	.do.....	Open 24 hours daily.
Stone.....	U. S. Navy.....	Government use..	Open to public service.
Marconi.....	Marconi Co.....	Public service...	
Clark.....	Clark Co.....	.do.....	
United.....	U. W. T. Co.....	.do.....	
.do.....	.do.....	.do.....	
Marconi.....	Marconi Co.....	.do.....	



Country.	Name of station and location.	Call letter.	Wave length in meters.	Power.
United States....	Siasconsett, Mass.....	SC	350	2 K. W...
	South Haven, Mich.....	DS		
	Southwest Pass. La.....	SW	450	5 K. W...
	St. Augustine, Fla.....	NAP	600	3 K. W...
	Tangier Island, Va.....	GR		
	Toledo, Ohio.....	CT	425	2 K. W...
	Toledo, Ohio.....	DX		
	Washington, D. C. (navy-yard).	NAL	900	15 K. W...
	Washington, D. C.....	DC	600	3 K. W...
	Washington, D. C. (Capitol).	QK		2 K. W...
	Washington, D. C. (Hotel Willard).	NW		
	Wilsons Point, Conn.....	WN		2 K. W...
United States.... (Pacific coast).	Aberdeen, Wash.....	PF	450	2 K. W...
	Astoria, Oreg.....	PC	450	2 K. W...
	Avalon, Catalina Island, Cal.	PI	300	1 K. W...
	Avalon, Catalina Island, Cal.	A		2 K. W...
	Bellingham, Wash.....	PU	425	2 K. W...
	Cape Blanco, Denmark, Oreg.	NPF	425	5 K. W...
	Eureka, Wash.....	PM	425	2 K. W...
	Everett, Wash.....	DK	425	2 K. W...
	Farallon Islands, Cal.....	NPI	900	10 K. W...
	Fort Worden, Wash.....	FX		1 K. W...
	Friday Harbor, Wash.....	PD	450	2 K. W...
	Grays Harbor, Wash.....	PG		
	Kalama, Wash.....	PV	425	2 K. W...
	Los Angeles, Cal.....	G		2 K. W...
	Los Angeles, Cal.....	PJ	400	2 K. W...
	Mare Island Navy-Yard, Cal.	NPH	900	2½ K. W...
	Marshfield, Oreg.....	PX	425	2 K. W...
Monterey, Cal.....	PQ	425	2 K. W...	

System.	Owner.	Intended for—	Remarks.
Marconi .....	Marconi Co. ....	Public service...	
United.....	U. W. T. Co.....	do.....	
Composite.....	United Fruit Co..	do.....	Primarily for Fruit Co.'s own ships.
Shoemaker .....	U. S. Navy.....	Government use..	Open to public service.
United.....	U. W. T. Co.....	Public service...	
Clark.....	Clark Co.....	do.....	Open 6 a. m. to 10 p. m.
United.....	U. W. T. Co.....	do.....	
Composite.....	U. S. Navy.....	Government use..	Open to public service.
Fessenden .....	Nat. Elec. Sig. Co.	.....	Experimental station.
Composite.....	Elliott Woods....	.....	Do.
United.....	U. W. T. Co.....	Public service...	
Massie.....	Massie Co.....	do.....	
United.....	U. W. T. Co.....	Public service...	Open 10 a. m. to 10 p. m.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Open 8 a. m. to 6 p. m.
Pacific.....	Pacific W. T. Co..	do.....	Do.
United.....	U. W. T. Co.....	do.....	
Massie.....	U. S. Navy.....	Government use..	Open to public service.
United.....	U. W. T. Co.....	Public service...	
do.....	do.....	do.....	
Composite.....	U. S. Navy.....	Government use..	Do.
Signal Corps.....	U. S. Army.....	do.....	Not open to public serv- ice.
United.....	U. W. T. Co.....	Public service...	Open 10 a. m. to 10 p. m.
do.....	do.....	do.....	
do.....	do.....	do.....	
Pacific.....	Pacific W. T. Co..	do.....	Open 8 a. m. to 6 p. m.
United.....	U. W. T. Co.....	do.....	Open 8 a. m. to 12 p. m.
Composite.....	U. S. Navy.....	Government use..	Open to public service.
United.....	U. W. T. Co.....	Public service...	
do.....	do.....	do.....	

Country.	Name of station and location.	Call letter.	Wave length in meters.	Power.
United States.... (Pacific coast).	North Head, Ilwaco, Wash.	NPE	600	5 K. W...
	Olympia, Wash.....	PY	425	2 K. W...
	Pasadena, Cal.....	DE	425	2 K. W...
	Point Arguello, Surf, Cal..	NPK	600	3 K. W....
	Point Loma, San Diego, Cal.	NPL	900	10 K. W..
	Portland, Oreg.....	PE	425	2 K. W...
	Port Townsend, Wash.....	DS	425	2 K. W...
	Port Townsend, Wash.....	D	425	100 miles .
	Puget Sound Navy-Yard, Wash.	NPC	425	3 K. W...
	Roseburg, Oreg.....	DO	425	2 K. W...
	Sacramento, Cal.....	DG	425	2 K. W...
	Salem, Oreg.....	DM	425	2 K. W...
	San Diego, Cal.....	PK	425	2 K. W...
	San Francisco, Cal. (Pre- sidio).	PS	.....	1 K. W...
	San Francisco, Cal.....	SF	.....	5 K. W...
	San Francisco, Cal.....	PH	700	5 K. W...
	Santa Barbara, Cal .....	DF	425	2 K. W...
	Seattle, Wash.....	PA	700	5 K. W...
	Seattle, Wash.....	DA	425	2 K. W...
	Table Bluff, Loleta, Cal...	NPG	425	3 K. W...
	Tacoma, Wash.....	T2	400	2 K. W...
	Tacoma, Wash.....	DB	425	2 K. W...
	Tacoma, Wash.....	PB	450	2 K. W...
	Tatoosh Island, Wash.....	NPD	600	15 K. W..
Westport, Oreg.....	PG	450	2 K. W...	
Yerba Buena Island (na- val training station), Cal.	NPJ	425	2 K. W...	
United States.... (Alaska).	Circle City.....	FK	.....	3 K. W...
	Cordova.....	NPA	600	20 K. W..
	Cordova.....	PO	.....	2 K. W...
	Fairbanks.....	FB	.....	3 K. W...

System.	Owner.	Intended for—	Remarks.
Telefunken.....	U. S. Navy.....	Government use..	Open to public service.
United.....	U. W. T. Co.....	Public service...	
...do.....	...do.....	...do.....	
Shoemaker.....	...do.....	...do.....	Do.
Composite.....	...do.....	...do.....	Do.
United.....	...do.....	...do.....	Open 10 a. m. to 10 p. m.
...do.....	...do.....	...do.....	
Pacific.....	Pacific W. T. Co. ....	...do.....	Open 8. a m. to 6 p. m.
Composite.....	U. S. Navy.....	Government use..	Open to public service.
United.....	U. W. T. Co.....	Public service...	
...do.....	...do.....	...do.....	
...do.....	...do.....	...do.....	
...do.....	...do.....	...do.....	
Signal Corps.....	U. S. Army.....	Government use..	Not open to public service.
Pacific.....	Pacific W. T. Co. ....	Public service...	Open 8 a. m. to 6 p. m.
United.....	U. W. T. Co.....	...do.....	Open 24 hours daily.
...do.....	...do.....	...do.....	
...do.....	...do.....	...do.....	
Pacific.....	Pacific W. T. Co. ....	...do.....	Open 8 a. m. to 6 p. m.
Massie.....	U. S. Navy.....	Government use..	Open to public service.
...do.....	Marine Trans- mission Co.	Public service...	
United.....	U. W. T. Co.....	...do.....	
...do.....	...do.....	...do.....	Open 10 a. m. to 10 p. m
Composite.....	U. S. Navy.....	Government use..	Open to public service.
United.....	U. W. T. Co.....	Public service...	Open 10 a. m. to 10 p. m.
Composite.....	U. S. Navy.....	Government use..	Open to public service.
Signal Corps.....	U. S. Army.....	Government use..	Do.
Composite.....	U. S. Navy.....	...do.....	Do.
United.....	U. W. T. Co.....	Public service...	
Signal Corps.....	U. S. Army.....	Government use..	Do.

Country.	Name of station and location.	Call letter.	Wave length in meters.	Power.
United States.... (Alaska).	Fort Egbert.....	FQ		3 K. W.
	Fort Gibbon.....	FG		10 K. W.
	Fort St. Michael.....	FM		3 K. W.
	Katalla.....	PN		2 K. W.
	Petersburg.....	FP		1 K. W.
	Nome.....	FD		10 K. W.
	Safety Harbor.....	SA		10 K. W.
	Sitka.....	NPB	600	20 K. W.
	Wrangell.....	FW		1 K. W.
Yukon, Mouth of.....	FE		1 K. W.	
Algeria.....	Algiers.....	ALG	Variable.	
	Oran.....			600 miles.
Andaman Is- lands.	Port Blair.....		Variable.	350 miles.
	Slipper Island.....			
Argentine Re- public.	Bahia Blanca.....	PM		
	Bernal.....	BL		
	Buenos Aires.....	BA	450	315 miles.
	Buenos Aires (Naval School).		125	
	Buenos Aires (Campo de Mayo).	CM	350	65 miles.
	Light-ship Recalada at mouth of La Plata.	RC	Variable.	125 miles.
	Río de Santiago.....	RS	Variable.	125 miles.
San Martin.....	SM			
Austria-Hungary	Fiume.....	HF	300-2,000	375 miles.
	Zengg.....	HZ	300	63 miles.
	Carlobago.....	HC	300	63 miles.

System.	Owner.	Intended for—	Remarks.
Signal Corps.....	U. S. Army .....	Government use..	Open to public service.
Massie.....	do.....	do.....	Do.
Signal Corps.....	do.....	do.....	Do.
United.....	U. W. T. Co.....	Public service....	Under construction.
Massie.....	U. S. Army.....	Government use..	Open to public service.
do.....	do.....	do.....	Do.
Signal Corps .....	do.....	do.....	Do.
Pierce.....	U. S. Navy.....	do.....	Do.
Signal Corps.....	U. S. Army.....	do.....	Do.
do.....	do.....	do.....	Do.
.....	Government. ....	Government use..	In operation.
.....	do.....	do.....	Projected.
Lodge-Muirhead...	Government. ....	Public service....	In operation.
do.....	do.....	do.....	Do.
Telefunken .....	Government. ....	Public service....	In operation.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
Own system.....	Government. ....	} Experimental and public service.	} Projected for public service.
do.....	do.....		
do.....	do.....		

Country.	Name of station and location.	Call letter.	Wave length in meters.	Power.
Austria-Hungary	Musil.....	MU	350	60 miles..
	Lussin.....	LU	350	65 miles..
	Lissa.....			375 miles..
	Pelagosa.....			63 miles..
	Ancona.....			200 miles..
	Aussig.....		300	63 miles..
	Cattaro.....		Variable.	375 miles..
	Leopoldsau.....		Variable.	.....
	Lussinpiccolo.....		Variable.	125 miles..
	Pola.....			1,000 miles..
	Sebenico.....			1,000 miles..
	Teplitz.....		Variable.	125 miles..
	Vienna.....		Variable.	125 miles..
	Vienna.....		Variable.	375 miles..
Australia.....	Cape York, North Queens- land.			350 miles..
	Thursday Island, North Queensland.			50 miles..
	Goode Island, North Queensland.			50 miles..
	Port Moresby, Papua.....			350 miles..
	Fremantle, Western Aus- tralia.			300 miles..
Belgium.....	Nieuport (Mer du Nord)..	NPT	72	Nieuport- Dover.
	Antwerp.....	MQR	300	100 miles..
Brazil.....	Para.....			400 miles..
	Santarem.....			400 miles..
	Manaos.....			400 miles..
	Rio de Janeiro.....	RJ	Variable.	125 miles..
	Ilha Mocangue.....			25 miles..
	Ilha das Cobras.....	JI	1,000	125 miles..

System.	Owner.	Intended for—	Remarks.
Telefunken.....	Austro-Hungarian navy.	Experimental station.	Not open to public service.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	P. & T. admn....	Public service...	} Planned to be built in one year.
.....do.....	Government.....	.....do.....	
.....do.....	.....do.....	.....do.....	In operation.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	.....do.....	.....do.....	Do.
Siemen & Halske.....	.....do.....	Private use.....	Do.
Telefunken.....	.....do.....	.....do.....	Do.
.....do.....	Government.....	.....do.....	Projected.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	.....do.....	.....do.....	Do.
Marconi.....	Government.....	Public service.....	In operation.
.....do.....	Red Star Line....	Private use.....	Projected.
Shoemaker.....	.....do.....	Public service.....	In operation.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	.....do.....	.....do.....	Do.
Telefunken.....	Government.....	.....do.....	Do.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	.....do.....	.....do.....	Do.



Country.	Name of station and location.	Call letter.	Wave length in meters.	Power.
Brazil.....	Villegagnon.....			125 miles.
	Rio de Janeiro.....		1,000	30 miles..
	Ilha Reza.....		1,000	60 miles..
	Ponta Negra.....		1,000	30 miles..
	Guarabiba.....		1,000	30 miles..
	Pernambuco.....			
British Guiana...	Georgetown.....			
British West Indies.	Trinidad.....			
Burma.....	Rangoon.....		Variable.	
	Diamond Island.....		720	
Canada.....	Indian Harbor, Labrador..	NR		
	Domino Island, Labrador.	DO	220	150 miles.
	Venison Island, Labrador.	VI	220	150 miles.
	Battle Harbor, Labrador..	BH	220	
	Seal Island, Labrador....	AT		
	Chateau Bay, Labrador...	CB		
	Point Amour, Labrador...	PR	Variable.	150 miles.
	Whittle Rocks, Quebec...	WR	Variable.	150 miles.
	Point Rich, Nova Scotia..	CH		
	Pictou, Nova Scotia.....	RU		
	Belle Isle, Newfoundland.	BI	Variable.	50 miles..
	Cape Race, Newfoundland.	CE		350 miles.
	Cape Ray, Newfoundland.	CR		High power.
	Heath Point, Anticosti Island.	HP	Variable.	150 miles.
Cape Bear, Prince Edward Island.	BE			

System.	Owner.	Intended for—	Remarks.
Telefunken.....	Government.....	Public service ...	In operation.
Marconi.....	do.....	do.....	Projected.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	Government.....	Public service....	Projected.
do.....	Government.....	Public service....	Projected.
Lodge-Muirhead...	do.....	Public service....	Projected.
do.....	Indian telegraphs.	do.....	In operation.
Marconi.....	Government.....	Public service....	In operation.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.

Country.	Name of station and location.	Call letter.	Wave length in meters.	Power.
Canada.....	Camperdown, Halifax, Nova Scotia.	HX	.....	150 miles.
	Cape Breton, Glace Bay, Nova Scotia.	CB	.....	High power.
	Cape Sable, Nova Scotia..	SB	220	150 miles.
	Sable Island, Nova Scotia.	SD	.....	.....
	St. John, Partridge Island, New Brunswick.	SJ	.....	.....
	Clarke City, Seven Islands.	CK	.....	.....
	Father Point, Quebec.....	RT	.....	.....
	Fame Point, Quebec.....	FP	.....	.....
	Grosse Isle, Quebec.....	GI	.....	.....
	Quebec.....	Q	.....	.....
	Port Arthur, Ontario.....	CPA	Variable.	15 K. W..
	Estevan Point, B. C.....	USD	Variable.	100 miles.
	Cape Lazo, B. C.....	SKD	Variable.	100 miles.
	Pachena Point, B. C.....	KPD	Variable.	100 miles.
	Victoria, B. C.....	VSD	Variable.	100 miles.
	Victoria, B. C.....	PW	425	2 K. W...
	Vancouver, B. C.....	DF	425	2 K. W...
	North Vancouver, B. C....	PR	425	2 K. W...
	Point Grey, B. C.....	PGD	Variable.	100 miles,
	Triangle Island.....	.....	.....	3 K. W...
Prince Rupert.....	.....	.....	3 K. W...	
Ikeda Bay.....	.....	.....	3 K. W...	
Canary Islands...	Teneriffe.....	.....	.....	High power.
	Las Palmas.....	.....	.....	do.....
	Point Anaga.....	.....	.....	do.....
Cape de Verde Islands.	St. Vincent.....	.....	.....	High power.
Carolina Islands..	Angaur.....	.....	.....	500 miles..
	Yap.....	.....	.....	500 miles..

System.	Owner.	Intended for—	Remarks.
Marconi .....	Marconi Co. ....	Public service ...	In operation.
do.....	do.....	do.....	Not in operation at present.
do.....	Government .....	do.....	In operation.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
Clark.....	Clark Co.....	do.....	Do.
Shoemaker.....	Government .....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
United.....	U. W. T. Co.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
Shoemaker.....	Government .....	do.....	Do.
do.....	do.....	do.....	Projected.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	Spanish Govern- .....	do.....	Projected.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	Government.....	do.....	Projected.
do.....	do.....	do.....	Projected.
do.....	do.....	do.....	Do.

Country.	Name of station and location.	Call letter.	Wave length in meters.	Power.
Chile.....	Magellan Straits.....			
	Juan Fernandez.....			
	Valparaiso.....		Variable.	150 miles..
China.....	Tsingtau, Kiaotschou.....	KTS	350	125 miles..
	Peking (Italian embassy).	PK	300	.....
	Tientsin.....	TN	300	.....
	Shanghai.....		300	65 miles..
	Hoihow.....			65 miles..
	Chu weu.....			65 miles..
	Canton.....			65 miles..
	Kongmoon.....			65 miles..
	Tai Lien Wan (Japanese).....		350	250 kilo- meters.
Colombia.....	Santa Marta.....			
Corsica.....	Ajaccio.....	TAF	600	375 miles..
Costa Rica.....	Puerto Limon.....	X		
	Boca del Colorado.....	CB	400	200 miles..
Cuba.....	Havana.....	HV	450	200 miles..
	Guantanamo.....	NAW	1, 250	35 K. W..
	Havana.....	M	1, 500	200 miles..
	Pinar del Rio.....	RS	1, 500	5 K. W..
	Santa Clara.....	DA	600	10 K. W..
	Camaguey.....			10 K. W..
	Santiago de Cuba.....		600	20 K. W..
	Baracoa.....		500	10 K. W..

System.	Owner.	Intended for—	Remarks.
Marconi .....	Government.....		Projected.
do.....	do.....		Do.
do.....	do.....		Do.
Telefunken.....	German navy.....	Public service with all systems.	In operation.
Marconi .....	Italian Govern- ment.		Do.
do.....	do.....		Do.
Telefunken.....	Telefunken Co.....		
do.....	Chinese Govern- ment.		
do.....	do.....		
do.....	do.....		
do.....	do.....		
Teishinsho.....	Teishinsho.....	Commercial.....	Projected.
Shoemaker.....			
	Government.....		
Shoemaker.....	Boston Fruit Co.....		In operation.
De Forest.....	Government.....	Public service.....	Do.
De Forest.....	U. W. T. Co.....	Public service.....	Open 8 a. m. to 11 a. m., 2 p. m. to 4 p. m., 6 p. m. to 10 p. m.
De Forest and Shoemaker.	U. S. Navy.....	Government use..	Open to public service.
Telefunken.....	Government.....	Public service.....	Being erected.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.

Country.	Name of station and location.	Call letter.	Wave length in meters.	Power.
Cuba .....	Bayamo.....			4 K. W...
	Isla of Pines.....	P	Variable.	
Denmark.....	Blaavands Huk.....	B	200	50 miles...
	Horns Reef light-ship.....		225	35 miles...
	Wyl light-ship.....		180	20 miles...
	Amager.....			190 miles..
	Gjedser.....	GJ	350	65 miles...
	Gjedser Reef light-ship.....		160	10 miles...
	Lyngby.....			
	Esbjerg.....			
	Copenhagen.....		Variable.	190 miles..
Graady light-ship.....			95 miles...	
Dutch East Indies.	Macassar.....			70 miles...
	Paré Paré.....			70 miles...
	Radjave.....			70 miles...
	Batavia.....	BA	600	125 miles..
	Cheribon.....	CB	600	125 miles..
Dutch West Indies.	Williamstad, Curaçao.....			500 miles..
Ecuador.....	Guayaquil.....			125 miles..
	Isla de Puna.....			125 miles..
Egypt.....	Port Said.....	PT		
	Port Tewfik.....	PK		
	Suez.....			
	Island of Sheduan.....			
	Gulf of Suez.....			

System.	Owner.	Intended for—	Remarks.
Telefunken.....	Government.....	Public service.....	Being erected.
.....do.....	.....do.....	.....do.....	Do.
Telefunken.....	Government.....	Weather reports and distress at sea.	In operation, no charge.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	.....do.....	Experimental station.	Only at times in operation.
.....do.....	Public work.....	Steam ferry service.	
.....do.....	.....do.....	.....do.....	
Poulsen.....	Amalg. Rad. Tel. Co.	Experimental station.	
.....do.....	.....do.....	.....do.....	
Telefunken.....	Government.....		
.....do.....			
Telefunken.....			In operation.
.....do.....			Do.
.....do.....			Do.
.....do.....			Do.
.....do.....			Do.
	Government.....		In operation.
			Projected.
			Do.
Marconi.....			In operation.
.....do.....			Do.
.....do.....			Do.
.....do.....			Do.
.....do.....			Projected.



Country.	Name of station and location.	Call letter.	Wave length in meters.	Power.
Finland.....	Bogekar.....		Variable.	
	Helsingfors.....	BGF		120 miles..
	Marisham.....			
France.....	Ouessant Stepp.....		210-350	85 miles...
	Point de la Coubre.....			
	Ile de Porquerolles.....			
	Dieppe.....			70 miles...
	Dunkerque.....	TDF	600	375 miles..
	Brest.....	TGF	600	375 miles..
	Cherbourg.....	TCF	600	375 miles..
	Lorient.....	TLF	600	375 miles..
	Rochefort.....	TRF	600	375 miles..
	Toulon.....		600	375 miles..
	Oran.....		600	375 miles..
	Marseilles.....		600	375 miles..
	Alger.....		600	375 miles..
	Havre.....		600	375 miles..
	St. Nogaire.....		600	375 miles..
	Nice.....		600	375 miles..
	Gris-Nez Cape.....			
Hague Cape.....				
Parie (Eiffel Tower).....				
Formosa.....	Fukikaku.....		350	250 kilo- meters.
	Kilung.....			
Germany.....	Arcona.....	RAR	250	125 miles..
	Berlin.....	OW	Variable.	65 miles...
	Borkum.....	KBM	300	75 miles...
	Bremerhaven, Lloyd Hall.	WW	300	95 miles...

System.	Owner.	Intended for—	Remarks.
Telefunken.....	Government.....		
do.....	Russian Govern- ment.		
French system....	Postes et télé- graphes.	Public service....	In operation.
do.....	do.....	do.....	Projected.
do.....	do.....	do.....	Do.
Rochefort.....	Fr. Western Ry. Co.	Corresponds New- haven.	In operation.
French system....	French navy.....	Public service....	Projected.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	Special.....	Do.
do.....	do.....	do.....	Do.
do.....	Postes et télé- graphes.	Public service....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
Telefunken.....			Do.
do.....			Do.
			In operation.
Teishinsho.....	Teishinsho.....	Commercial.....	Projected.
do.....	do.....	do.....	In operation.
Telefunken.....	Navy.....	Public service....	In operation.
do.....	Army.....	do.....	Do.
do.....	Post-office.....	do.....	Do.
do.....	North German Lloyd.	do.....	Do.

Country.	Name of station and location.	Call letter.	Wave length in meters.	Power.
Germany.....	Britz.....	BR	350	65 miles...
	Brunsbüttelkoog.....	KBR	300	.....
	Bulk.....	RBK	350	125 miles..
	Charlottenburg.....	CG	Variable.	65 miles...
	Coblenz-on-Rhein.....		Variable.	65 miles..
	Cothen.....			65 miles...
	Cuxhaven.....	RCX	350	125 miles..
	Darmstadt.....		Variable.	.....
	Dresden.....		Variable.	.....
	Emden.....			100 miles..
	Flensburg.....		Variable.	90 miles..
	Frankfort-on-Oder.....		Variable.	90 miles..
	Halle.....		Variable.	.....
	Heligoland.....	RHG	350	125 miles..
	Karlsruhe, Baden.....		Variable.	65 miles..
	Kiel Werft.....		Variable.	65 miles..
	Kiel Torpedo Station.....	TVK	Variable.	90 miles..
	Light-ship Borkum Reef..	FBR	300	65 miles..
	Light-ship Eider.....	FOF	350	65 miles..
	Light-ship Elbe I.....	FEF	300	65 miles..
	Light-ship Outer Jade....	FAU	300	65 miles..
	Light-ship Wesser.....	FWF	300	65 miles..
	Marienleuchte.....	RMR	350	125 miles..
	Messul.....		Variable.	.....
	Nauen.....	NA	2,000	1,875 miles
	Nonendamm.....	NO	Variable.	65 miles..
	Norddeich.....	KND	Variable.	1,565 miles
	Rixhoft.....	RRX	350	125 miles..
	Schoneberg.....			15 miles..
	Strassburg.....			.....
Tempelhofer Ufer.....	TU	Variable.	65 miles..	
Wilhelmshaven Werft....	MW	350	65 miles..	

System.	Owner.	Intended for—	Remarks.
Telefunken .....	Wireless Tel. Co..	Experimental....	In operation.
do.....	Canal Dept.....	Public service....	Do.
do.....	Navy.....	do.....	Do.
do.....	Tech.High School	Experimental....	Do.
do.....	Army.....	Government use..	Do.
do.....	Polytechnic School.	Experimental....	Do.
do.....	Navy.....	Public service....	Do.
do.....	Tech.High School	Experimental....	Do.
do.....	do.....	do.....	Do.
do.....	Post-office.....	Public service....	Do.
do.....	Navy.....	do.....	Do.
do.....	Army.....	Government use..	Do.
do.....	University.....	Experimental....	Do.
do.....	Navy.....	Public service....	Do.
do.....	Army.....	Government use..	Do.
do.....	Navy.....	Public service....	Do.
do.....	do.....	do.....	Do.
do.....	Government..	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	Navy.....	do.....	Do.
do.....	Tech.High School	Experimental....	Do.
do.....	Wireless Tel. Co..	do.....	Do.
do.....	do.....	do.....	Do.
do.....	Post-office.....	Public service....	Do.
do.....	Navy.....	do.....	Do.
do.....	Post-office.....	do.....	Do.
do.....	Army.....	Government use..	Do.
do.....	Wireless Tel. Co..	Experimental....	Do.
do.....	Navy.....	Public service....	Do.

Country.	Name of station and location.	Call letter.	Wave length in meters.	Power.
Gibraltar.....	Lower station.....	GIB	Variable.	90 miles..
Great Britain and Ireland.	Bolt Head.....	GBA	Variable.	250 miles..
	Broomfield.....	BR	Variable.	.....
	Caistor.....	CS	300	.....
	Cambridge.....	CA	.....	.....
	Chelmsford.....	CD	Variable.	.....
	Cullercoats.....	LNS	.....	.....
	Culver Cliff.....	CL	Variable.	.....
	Dover.....	DDD	Variable.	.....
	Easington.....	.....	.....	.....
	Felixstowe.....	.....	.....	.....
	Glengirrif Island.....	.....	.....	.....
	Haven.....	HH	Variable.	.....
	Hartland Point.....	.....	.....	.....
	Heysham.....	.....	.....	.....
	Holyhead.....	HD	.....	.....
	Hull.....	.....	.....	.....
	Hunstanton.....	HN	.....	.....
	Light-ship Cross Sand.....	TD	250	10 miles..
	Light-ship East Goodwin..	TE	250	15 miles..
	Light-ship South Goodwin..	TS	250	15 miles..
	Light-ship Gull.....	TG	250	10 miles..
	Light-ship Tongue.....	TT	250	10 miles..
	Light-ship Sunk.....	TK	250	30 miles..
Liverpool.....	LV	300	.....	
Lizard.....	LD	300	.....	
New Haven.....	RHN	.....	.....	
Niton.....	NI	300	.....	
North Foreland.....	NF	300	.....	
Oxford.....	OX	.....	.....	
Poldhu.....	PD	Variable.	.....	



Country.	Name of station and location.	Call letter.	Wave length in meters.	Power.
Great Britain and Ireland.	Portland.....			
	Porthcuno.....	PK		
	Rame Head.....		340	
	Roches Point.....			
	Scilly Islands.....			
	Skegness.....	SKE		
	Shoeburyness.....	BY		
	Withernsea.....	WS	Variable.	
	Butt of Lewis, Scotland...	BTL	Variable.	
	Flannon Isle, Scotland....	FNL	Variable.	
	Fraserburgh, Scotland.....	FH		
	Dunnet Head, Scotland....			110 miles..
	Loch Boisdale, Scotland...	LSG	300	125 miles..
	Machrihanish Bay, Scotland.	LK(D)		High power.
	Peterhead, Scotland.....		Variable.	
	Tobermory Island, Scotland.	THM	300	125 miles..
	Tory Island, Scotland.....			110 miles..
	Brow Head, Ireland.....	CK		
	Clifden, Ireland.....	CDN	4,500	
	Fastnet, Ireland.....	FNT	100	
Inistrahull, Ireland.....	IH			
Malin Head, Ireland.....	MH			
Rosslare, Ireland.....	RL	300		
Guam.....	Guam.....	NPN	425	3 K. W. . .
Hawaiian Islands.	Honolulu.....	NPM	425	2 K. W. . .
	Nawiliwili, Kauai.....	NW	300	$\frac{1}{2}$ K. W. . .
	Lahaina, Maui.....	LH	300	1 K. W. . .
	Puako, Hawaii.....	KA	300	1 K. W. . .
	Kamalo, Molokai.....	AM	300	$\frac{1}{2}$ K. W. . .
	Kahuku, Oahu.....	HU	960	15 K. W. . .

System.	Owner.	Intended for—	Remarks.
Marconi .....	British Admlty...	Government use..	In operation.
Maskelyne.....	Eastern Tel. Co...	Public service....	Do.
Marconi.....	British Admlty...	Government use..	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
De Forest.....	Amal. Rad. Tel. Co.	Public service....	Do.
do.....	do.....	do.....	Do.
Marconi.....	Marconi Co.....	do.....	Not in operation.
do.....	Lloyds.....	do.....	In operation.
do.....	do.....	do.....	Do.
do.....	Marconi Co.....	do.....	Do.
do.....	Lloyds.....	do.....	Do.
do.....	Marconi Co.....	do.....	Do.
Fessenden.....	Nat. Elec. Sig. Co.	Experimental....	Not in operation.
Marconi.....	Lloyds.....	Public service....	In operation.
do.....	Marconi Co.....	do.....	Do.
do.....	Lloyds.....	do.....	Do.
do.....	Marconi Co.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	Lloyds.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	Marconi.....	do.....	Do.
Telefunken.....	U. S. Navy.....	Government use..	Open to public service.
Composite.....	U. S. Navy.....	Government use..	Open to public service.
Marconi.....	Wireless Tel. Co..	Public service....	In operation.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
Composite.....	do.....	do.....	Do.



Country.	Name of station and location.	Call letter.	Wave length in meters.	Power.
Holland.....	Scheveningen.....	SCH	450	190 miles.
	Hoek von Holland.....	HOK	450	.....
	Haaks light-ship.....	HKS	.....	.....
	Overtoom.....	BRBR	.....	220 miles.
	Amsterdam Navy-Yard...	ASD	350	125 miles.
	Amsterdam.....	ADM	.....	.....
	Helder.....	.....	350	125 miles.
Honduras.....	Swan Island.....	US	750	10 K. W..
Hongkong.....	Cape d'Aguilar (Isl. East).....	.....	Normal.	.....
Italy.....	Ainara, Sardinia.....	AS	Variable.	.....
	Bari.....	SC	Variable.	125 miles.
	Becco di Vela, Caprera....	BV	Variable.	220 miles.
	Cagliari.....	.....	1, 200	300 miles.
	Capo delle Mele (Liguria).	CM	Variable.	220 miles.
	Capo Sperrone, Sardinia..	PN	450	220 miles.
	Coltano.....	.....	.....	.....
	Cozzo Spadaro, Cape Pas- saro, Sicily.	CZ	Variable.	220 miles.
	Forte Spuria, near Mes- sina.	FS	Variable.	70 miles..
	Messina.....	M	.....	.....
	Monte Capuucini, Ancona.	CP	Variable.	220 miles.
	Monte Mario, Rome.....	RM	Variable.	20 miles..
	Napoli.....	.....	1, 200	300 miles.
	Palmaria, near Spejia.....	PM	Variable.	220 miles.
Palmero.....	.....	1, 200	300 miles.	
Ponza Island.....	FS	Variable.	220 miles.	
Reggio.....	R	.....	.....	

System.	Owner.	Intended for—	Remarks.
Telefunken.....	P. O. admn.....	.....	In operation.
.....do.....	.....	.....	Corresponds with Scheveningen.
.....do.....	Government.....	Special service semaphore storm signals.	Only in distress ships may telegraph to this station.
Marconi.....	.....	.....	.....
Telefunken.....	Admiralty.....	Navy use.....	In operation.
Marconi.....	.....	.....	.....
Telefunken.....	Admiralty.....	Navy use.....	Do.
.....	.....	.....	.....
Fessenden.....	United Fruit Co.....	Intercommunica- tion with sta- tions of United Fruit Co.	Open to public service.
.....	.....	.....	.....
Marconi.....	British Admiralty.....	.....	In operation.
.....	.....	.....	.....
Marconi.....	Italian navy.....	Public service...	In operation.
.....do.....	Marconi Co.....	Communication with Antivari.	Do.
.....do.....	Italian navy.....	Public service...	Do.
.....do.....	Italian Govern- ment.	.....do.....	Do.
.....do.....	Italian navy.....	.....do.....	Do.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	P. O. admn.....	.....do.....	Do.
.....do.....	Italian navy.....	.....do.....	Do.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	Sicilian railways.....	.....do.....	Do.
.....do.....	Italian Govern- ment.	.....do.....	Do.
.....do.....	.....do.....	Government use..	Do.
.....do.....	.....do.....	Public service...	Do.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	.....do.....	.....do.....	Do.
.....do.....	Sicilian railways.....	.....do.....	Do.

Country.	Name of station and location.	Call letter.	Wave length in meters.	Power.
Italy .....	San Giovanni.....	V	.....	.....
	San Guiliano di Trapani...	MN	.....	.....
	Santa Maria di Leuca.....	SL	Variable.	220 miles.
	Torre Piloti di Malamocco.	TP	.....	.....
	Venice Arsenal.....	ZV	Variable.	.....
	Viesti, Mount Gargano....	VT	Variable.	220 miles.
Jamaica.....	Kingston.....	JCA	Variable.	220 miles.
Japan.....	Nagasaki, Kiushiu.....	.....	.....	.....
	Choshi, Shimosa.....	JCS	300	250 miles.
	Hachijo Island.....	.....	300	250 miles.
	Oshima, Kii.....	.....	300	250 miles.
	Murotozaki, Awa.....	.....	300	250 miles.
	Satanomisaki, Osumi.....	.....	300	250 miles.
	Fukuye Island, Goto.....	.....	300	250 miles.
	Kawashirimisaki, Nagato..	.....	300	250 miles.
	Saruyamazaki, Noto.....	.....	300	250 miles.
	Fukuyama, Toshima.....	.....	300	250 miles.
	Shiriyazaki, Mutsu.....	.....	300	250 miles.
	Kinkazan, Rikuzen.....	.....	300	250 miles.
	Shiomizaki, Kii.....	JSM	.....	.....
	Tsunoshima.....	JTS	.....	.....
	Ose Saki, Goto Islands...	JOS	.....	.....
Korea.....	Quell Part.....	.....	300	250 miles.
	Thaian.....	.....	300	250 miles.
	Masampo.....	.....	.....	.....
	Mokpo.....	.....	.....	.....
	Port Hamilton (Island)....	.....	.....	.....

System.	Owner.	Intended for—	Remarks.
Marconi .....	Italian Govern- ment.	Public service ...	In operation.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	Government use..	Do.
do.....	do.....	Public service ...	Do.
.....	West India Cable Co.	Public service....	In operation.
Teishinsho.....	Teishinsho.....	Experimental.....	In operation.
do.....	do.....	Commercial.....	Do.
do.....	do.....	do.....	Proposed.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	In operation.
Teishinsho.....	Teishinsho.....	Commercial.....	Proposed.
do.....	do.....	do.....	Do.
.....	.....	.....	.....
.....	.....	.....	.....

Country.	Name of station and location.	Call letter.	Wave length in meters.	Power.
Malta.....	West of La Valetta.....	MA	210	.....
Mexico.....	Cabo Haro, near Guayamas, Sonora.	.....	500	150 miles.
	Santa Rosalia, Lower California.	.....	500	150 miles.
	Mazatlan.....	.....	.....	220 miles.
	Jose del Cabo.....	.....	.....	220 miles.
	Payo Obispo.....	.....	.....	40 miles..
	Xcalac.....	.....	.....	40 miles..
Montenegro.....	Antivari.....	AN	Variable.	315 miles.
Morocco.....	Tangier.....	.....	.....	.....
	Rebat.....	.....	.....	.....
	Casablanca.....	.....	.....	.....
	Ceuta.....	.....	.....	.....
	Melilla.....	MEL	Variable.	125 miles.
Mozambique.....	Inhaca, Delagoa Bay.....	.....	.....	.....
	Rubea Point, Delagoa Bay.....	.....	.....	.....
Nicaragua.....	Bluefields.....	Q	500	3 K. W....
	Rama.....	UE	500	2 K. W....
Norway.....	Sorvaagen.....	SO	520	40 miles..
	Rost.....	RST	520	40 miles..
	Tjomo.....	TJ	600	200 miles.
	Flekkero.....	FL	600	200 miles.
	Horten.....	H	300	50 miles..
	Skjeergaarten.....	.....	.....	.....

System.	Owner.	Intended for—	Remarks.
Marconi . . . . .	British Admlty . . .	Public service . . .	
Telefunken . . . . .			In operation.
do . . . . .			Do.
do . . . . .	Government . . . . .		Do.
do . . . . .	do . . . . .		Do.
do . . . . .	do . . . . .	Army station . . . .	Being erected.
do . . . . .	do . . . . .	do . . . . .	Do.
Marconi . . . . .	Marconi . . . . .	Public service . . . .	In operation.
	Moorish Govern- ment.		
	do . . . . .		
	do . . . . .		
Telefunken . . . . .	Spanish Govern- ment.		Projected.
do . . . . .	do . . . . .		In operation.
Marconi . . . . .			Projected.
do . . . . .			Do.
Shoemaker . . . . .	United Fruit Co. . .		Intercommunication with stations of the United Fruit Co.
do . . . . .	do . . . . .		Do.
Telefunken . . . . .	Government . . . . .	} Government serv- ice, but public later.	} In operation.
do . . . . .	do . . . . .		
do . . . . .	do . . . . .		
do . . . . .	do . . . . .		
do . . . . .	do . . . . .		
			Projected.

Country.	Name of station and location.	Call letter.	Wave length in meters.	Power.
Panama.....	Colon.....	NAX	1,250	35 K. W..
	Porto Bello.....	NAY		
	Boca del Toro.....	B		
Peru.....	Puerto Bermudez.....			135 miles .
	Massisea.....			135 miles .
	Iquitos.....			125 miles .
	Requena.....			125 miles .
	Orellana.....			125 miles .
Philippine Is-lands.	Cavite.....	NPO	600	5 K. W... .
	Jolo.....	FS	425	3 K. W... .
	Zamboanga.....	FM	425	3 K. W... .
	Malabang.....	FA	425	1 K. W... .
	Corregidor Island.....	FH	425	3 K. W... .
Porto Rico.....	San Juan.....	NAU	1,250	35 K. W..
	Culebra.....	NAV	425	3 K. W... .
Portugal.....	Cascaes, near Lisbon.....		540	40 miles ..
Roumania.....	Constanza.....	KST		125 miles .
	Sulina.....			
	Cernavoda.....			125 miles .
	Galarasi.....			125 miles .
	Giurgu.....			125 miles .
	Bukarest.....			125 miles .

System.	Owner.	Intended for—	Remarks.
De Forest.....	U. S. Navy.....	Government use..	Open to public service.
.....	do.....	do.....	Projected.
Shoemaker.....	United Fruit Co..	Intercommunica- tion with stations of United Fruit Co.	
Telefunken.....	Government.....	Public service....	In operation.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
Composite.....	U. S. Navy.....	Government use..	Open to public service.
Signal Corps.....	U. S. Army.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Do.
do.....	do.....	do.....	Projected.
De Forest.....	U. S. Navy.....	Government use..	Open to public service.
Composite.....	do.....	do.....	Do.
Telefunken.....	Telegraph admn..	Government serv- ice only.	
Branly-Popp.....	Government.....	.....	In operation.
do.....	do.....	.....	Projected.
Telefunken.....	do.....	.....	Do.
do.....	do.....	.....	Do.
do.....	do.....	.....	Do.
do.....	do.....	.....	Do.



Country.	Name of station and location.	Call letter.	Wave length in meters.	Power.
Russia.....	Abo.....	BAO	360	65 miles..
	Aschur-Ada.....			700 miles..
	Baikalsee.....			
	Baku.....			1,000 miles
	Gango.....		360	65 miles..
	Hapsal.....		360	125 miles..
	Kherson.....			120 miles..
	Kronstadt (Fort Menschikoff).		360	190 miles..
	Kronstadt (Minenschule).			125 miles..
	Leckte.....	BLH	360	65 miles..
	Libau.....			Variable.
	Nikolaistadt.....	BNCh	360	65 miles..
	Ochta.....			65 miles..
	Otschakon.....			125 miles..
	Parkalaudd.....		360	65 miles..
	Peterhof.....		360	25 miles..
	Preste.....	BPS	Variable.	120 miles..
	Reval.....			BRW
	Sevastapol.....		360	120 miles..
	St. Petersburg (navy general staff).		360	25 miles..
	St. Petersburg (army station).			65 miles..
	St. Petersburg (military school).			125 miles..
	St. Petersburg (Luft-Schifferpark).			
	Vindau.....		360	120 miles..
	Vladivostok.....		Variable.	800 miles..
	Zarskoje-Selo.....			65 miles..
	Santo Domingo..	Santiago.....		700
Santo Domingo City.....		G	Variable.	20 K. W..
Siam.....	Bangkok.....			
	Cosichang.....			



Country.	Name of station and location.	Call letter.	Wave length in meters.	Power.
Spain.....	Almeria.....	ALM	Variable.	125 miles.
	Cadiz.....			15 miles..
	Cadiz.....			High power.
	Cape Finisterre.....			
	Cape San Antonio, Minorca.			
	Chamartin.....	CH	Variable.	30 miles..
	Coruna.....	CO	350	20 miles..
	Ferrol.....	FE	350	20 miles..
	Gata.....			
	Guadalajara.....	GU	600	30 miles..
	Madrid.....		Variable.	125 miles.
	Minorca Island.....			
	San Antonio or La Nao..			
	Villano de Tarifa.....			
Sweden.....	Vacholm.....		350	125 miles.
	Stockholm.....		350	125 miles.
	Karlskrona.....		350	125 miles.
	Farosund Gotland.....		350	125 miles.
Switzerland.....	Scheidegg-Stockli.....		Variable.	35 miles..
Tobago.....	South Coast.....			
Tongking.....	Hanoi.....			95 miles..
	Phu-lion.....			95 miles..
Trinidad.....	Port of Spain.....	SD		
Tripoli.....	Derna.....		780	500 miles.

System.	Owner.	Intended for—	Remarks.
Telefunken.....	Government.....	Public service....	In operation.
Rochefort.....	.....	Private use.....	Do.
.....	Government.....	Public service....	Projected.
.....	do.....	do.....	Do.
.....	do.....	do.....	Do.
Telefunken.....	do.....	Government use..	In operation.
do.....	.....	.....	Do.
do.....	.....	.....	Do.
.....	Government.....	Public service....	Projected.
Telefunken.....	Academy of En- gineers.	.....	In operation.
do.....	Government.....	Government use..	Do.
.....	do.....	Public service....	Projected.
.....	do.....	do.....	Do.
.....	do.....	do.....	Do.
Telefunken.....	Government.....	.....	In operation.
do.....	do.....	.....	Do.
do.....	do.....	.....	Do.
do.....	do.....	.....	Do.
Telefunken.....	Army.....	.....	.....
Lodge-Muirhead...	Government.....	Public service...	In operation.
Telefunken.....	Army.....	Public service...	.....
do.....	do.....	.....	.....
Lodge-Muirhead...	Government.....	Public service...	In operation.
Telefunken.....	Turkish Govern- ment.	Public service...	In operation.

Country.	Name of station and location.	Call letter.	Wave length in meters.	Power.
Turkey.....	Patara.....		780	500 miles.
	Guslemish.....		Variable.	470 miles.
	Medina.....			
	Djidda.....			
	Yambo.....			
Uruguay.....	Montevideo.....	MV	Variable.	350 miles.
	Punta del Este.....	MMO	Variable.	250 miles.
Zanzibar.....	Zanzibar.....	ZR	420	500 miles.
	Pemba.....	PB	420	500 miles.

System.	Owner.	Intended for—	Remarks.
Telefunken.....	Government.....	Public service...	In operation.
do.....	do.....		Do.
			Projected.
			Do.
			Do.
Telefunken.....	Society for W. T..	Public service...	In operation.
Marconi.....	Marconi Co.....	do.....	Do.
Lodge-Muirhead..	Government.....	Public service...	In operation.
do.....	do.....	do.....	Do.



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LIST OF SHORE STATIONS BELONGING TO  
THE UNITED STATES NAVY

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8028—09—4

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Name of station.	Call letters.	Power, in kilowatts.	Wave length, in meters.
Cape Elizabeth, Me.....	NAB	5	425
Portsmouth, N. H. (navy-yard).....	NAC	3	600
Boston, Mass. (navy-yard).....	NAD	3	600
Cape Cod, North Truro, Mass.....	NAE	5	425
Nantucket Shoals light-ship.....	NLA	5	425
Newport, R. I. (torpedo station).....	NAF	5	600
Fire Island, N. Y.....	NAG	5	900
Brooklyn, N. Y. (navy-yard).....	NAH	15	900
Philadelphia, Pa. (navy-yard).....	NAI	3	425
Cape Henlopen, Lewes, Del.....	NAJ	3	600
Annapolis, Md. (Naval Academy).....	NAK	2½	425
Washington, D. C. (navy-yard).....	NAL	15	900
Norfolk, Va. (navy-yard).....	NAM	3	900
Diamond Shoals light-ship.....	NLB	1	425
Pivers Island, Beaufort, N. C.....	NAN	5	425
Charleston, S. C. (navy-yard).....	NAO	5	600
St. Augustine, Fla.....	NAP	3	600
Jupiter Inlet, Neptune, Fla.....	NAQ	3	600
Key West, Fla. (naval station).....	NAR	35	1, 250
Pensacola, Fla. (navy-yard).....	NAS	10	900
New Orleans, La. (naval station).....	NAT	5	600
San Juan, P. R. (naval station).....	NAU	35	1, 250
Culebra, W. I. (naval station).....	NAV	3	425
Guantanamo, Cuba (naval station).....	NAW	35	1, 250
Colon, Isthmian Canal Zone.....	NAX	35	1, 250
Porto Bello, Isthmian Canal Zone.....	NAY	.....	.....
Cordova, Alaska.....	NPA	20	600
Sitka, Alaska.....	NPB	20	600

Name of station.	Call letters.	Power, in kilowatts.	Wave length, in meters.
Puget Sound, Wash. (navy-yard).....	NPC	3	425
Tatoosh Island, Wash.....	NPD	15	600
North Head, Ilwaco, Wash.....	NPE	5	600
Cape Blanco, Denmark, Oreg.....	NPF	5	425
Table Bluff, Loleta, Cal.....	NPG	5	425
Mare Island, Cal. (navy-yard).....	NPH	2½	900
Farallon Islands, Cal.....	NPI	10	900
Yerba Buena Island, Cal.....	NPJ	2	425
Point Arguello, Surf, Cal.....	NPK	3	600
Point Loma, San Diego, Cal.....	NPL	10	900
Honolulu, Hawaii (naval station).....	NPM	2	425
Island of Guam (naval station).....	NPN	3	425
Cavite, P. I. (naval station).....	NPO	5	600

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**LIST OF STATIONS BELONGING TO THE  
UNITED STATES ARMY**

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(53)



Name of station.	Call letters.	Power.	Whether open to public.
<i>United States.</i>			
Fort Andrews, Mass.....	FC	1 K. W....	Not open to public service.
Fort Hancock, N. J.....	FN	1 K. W....	Do.
Fort H. G. Wright, N. Y.....	FW	1 K. W....	Do.
Fort Leavenworth, Kans.....	FL	3 K. W....	Do.
Fort Levett, Me.....	FV	1 K. W....	Do.
Fort Monroe, Va.....	FX	1 K. W....	Do.
Fort Omaha, Nebr.....	FS	3 K. W....	Do.
Fort Riley, Kans.....	FZ	3 K. W....	Do.
Fort Totten, N. Y.....	FT	1 K. W....	Do.
Fort Wood, N. Y.....	FD	3 K. W....	Do.
Fort Worden, Wash.....	FX	1 K. W....	Do.
Presidio of San Francisco, Cal.....	PS	1 K. W....	Do.
Signal Corps Laboratory, Washington, D.C.	SC	3 K. W....	Do.
<i>Alaska.</i>			
Circle City.....	FK	3 K. W....	Open to public service.
Fairbanks.....	FB	3 K. W....	Do.
Fort Egbert.....	FQ	3 K. W....	Do.
Fort Gibbon.....	FG	10 K. W....	Do.
Fort St. Michael.....	FM	3 K. W....	Do.
Nome.....	FD	10 K. W....	Do.
Petersburg.....	FP	1 K. W....	Do.
Safety Harbor.....	SA	10 K. W....	Do.
Wrangell.....	FW	1 K. W....	Do.
Yukon River (mouth of).....	FE	1 K. W....	Do.

Name of station.	Call letters.	Power.	Whether open to public.
<i>Philippine Islands.</i>			
Corregidor Island.....	FH	10 K. W....	Open to public service.
Jolo.....	FS	3 K. W....	Do.
Malabang.....	FA	3 K. W....	Do.
Zamboanga.....	FM	3 K. W....	Do.
<i>Army transport service.</i>			
Kilpatrick.....	ATK	3 K. W....	Open to public service.
Logan.....	ATL	3 K. W....	Do.
Sherman.....	ATR	3 K. W....	Do.
Sheridan.....	ATS	3 K. W....	Do.
Thomas.....	ATU	3 K. W....	Do.
<i>Army cable ships.</i>			
Burnside.....	BS	3 K. W....	Not open to public service.
Cyrus W. Fields.....		1 K. W....	Do.
Joseph Henry.....	FR	2 K. W....	Do.

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## LIST OF REVENUE CUTTERS

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(57)





Name of ship.	Call letter.	Power, in kilowatts.	Wave length, in meters.
Acushnet.....	RCU		
Algonquin.....	RCA	2	360
Androscoggin.....	RCD		
Apache.....	RCP		
Bear.....	RCB		
Gresham.....	RCG	2	425
Itasca.....	RCI	2	400
Manning.....	RCN	2	425
McCulloch.....	RCH	2	425
Mohawk.....	RCM	2	425
Onandaga.....	RCO	2	400
Rush.....	RCR		
Seminole.....	RCS	2	380
Seneca.....	RCE		
Snohomish.....	RCF		
Thetis.....	RCT		
Tuscarora.....	RCL		
Windom.....	RCW		



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LIST OF MERCHANT STEAMERS AND PRIVATE  
YACHTS

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# LIST OF MERCHANT STEAMERS AND PRIVATE YACHTS.

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ALPHABETICAL LIST OF CALL LETTERS OF  
MERCHANT SHIPS, ARMY TRANSPORTS,  
REVENUE CUTTERS, AND  
PRIVATE YACHTS

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(71)



Call letters.	Name of ship.	Name of owner.	Wave length, in meters.	Power, in kilowatts.	Range, in miles.
AB	Sabine.....	Mallory S. S. Co.....	350	1	200
AB	Chicago.....	Chlopeck Fish Co.....	425	1½	400
AC	Concho.....	Mallory S. S. Co.....	350	1	200
AD	Denver.....	.....do.....	350	1	200
AD	Victoria.....	Alaska S. S. Co.....	425	2½	400
AF	Colorado.....	Mallory S. S. Co.....	350	1	200
AG	Rio Grande.....	.....do.....	350	1	200
AG	Yucatan.....	Alaska S. S. Co.....	425	1½	400
AH	Nueces.....	Mallory S. S. Co.....	350	1	200
AH	Pennsylvania.....	Alaska S. S. Co.....	425	2	400
AJ	Alamo.....	Mallory S. S. Co.....	350	1	200
AJA	Jade (pilot steamer).	German Government...	350	.....	.....
AK	San Marcos.....	Mallory S. S. Co.....	350	1	200
AK	Santa Clara.....	Alaska S. S. Co.....	425	1½	400
AM	Comal.....	Mallory S. S. Co.....	350	1	200
AN	Northwestern.....	Alaska S. S. Co.....	425	1½	400
AO	Ohio.....	.....do.....	425	1½	400
AP	Lampasas.....	Mallory S. S. Co.....	350	1	200
AQ	City of Benton Harbor.	Graham & Morton Line.	.....	.....	.....
AS	San Jacinto.....	Mallory S. S. Co.....	350	1	200
AS	Admiral Sampson...	Alaska-Pacific S. S. Co.	425	1½	200
ATK	Kilpatrick.....	U. S. army transport...	.....	3	.....
ATL	Logan.....	.....do.....	.....	3	.....
ATR	Sherman.....	.....do.....	.....	3	.....
ATS	Sheridan.....	.....do.....	.....	3	.....
ATU	Thomas.....	.....do.....	.....	3	.....
AU	Dolphin.....	Alaska S. S. Co.....	425	1½	.....
AV	Seward.....	.....do.....	425	1½	.....



Call letters.	Name of ship.	Name of owner.	Wave length, in meters.	Power, in kilowatts.	Range, in miles.
AW	Olympia.....	Alaska S. S. Co.....	425	1½	.....
AZ	Brazos.....	Mallory S. S. Co.....	350	1	200
A3	Tyee.....	Puget Sound Tug Boat Co.	425	1	.....
BA	Bermudian.....	Quebec S. S. Co.....	300	.....	200
BC	Virginia.....	Goodrich Transportation Co.	.....	.....	.....
BD	W. S. Porter.....	Associated Oil Co.....	.....	2	.....
BG	Iroquois.....	Inland Navigation Co..	425	1½	.....
BH	Chippewa.....	do.....	425	1½	.....
BI	Indianapolis.....	do.....	425	1½	.....
BM	Rosecrans.....	Associated Oil Co.....	425	2½	.....
BM	Nyack.....	Crosby Transportation Co.	.....	.....	.....
BN	Boston.....	New England Navigation Co.	.....	.....	.....
BO	Nann Smith.....	C. A. Smith Lumber Co.	425	2½	.....
BP	Hermosa.....	Benning Bros.....	425	1½	.....
BS	Cabrillo.....	Wilmington Transportation Co.	300	.....	200
BS	Burnside.....	U. S. army cable ship..	.....	3	.....
BU	Rupert City.....	Mackenzie Bros. S. S. Co.	425	2½	200
BW	Alliance.....	California and Oregon Coast Co.	425	1	150
BX	City of South Haven.	Chicago-South Haven S. S. Co.	.....	.....	.....
B3	Goliah.....	Puget Sound Tug Boat Co.	425	1	.....
CA	Coamo.....	New York and Porto Rico S. S. Co.	300	.....	200
CA	Priscilla.....	New England Navigation Co.	.....	½	.....
CA	City of Alpena.....	Detroit and Cleveland Navigation Co.	.....	4	.....
CB	Carolina.....	New York and Porto Rico S. S. Co.	300	.....	200
CC	City of Cleveland...	Detroit and Cleveland S. S. Co.	.....	4	.....
CD	City of Detroit.....	do.....	.....	2	.....
CE	Eastern States.....	Detroit and Buffalo S. S. Co.	.....	4	.....
CG	City of St. Ignace...	Detroit and Cleveland Navigation Co.	.....	2	.....
CGS	Quadra.....	Canadian government..	.....	½	.....
CHA	Harmonic.....	Northern Navigation Co.	.....	4	.....
CHN	Huronic.....	do.....	.....	4	.....

Call letters.	Name of ship.	Name of owner.	Wave length, in meters.	Power, in kilowatts.	Range, in miles.
CJ	San Juan.....	New York and Porto Rico S. S. Co.	300	.....	200
CJA	Juanita.....	Anchor Line.....	.....	4	.....
CP	Ponce.....	New York and Porto Rico S. S. Co.	300	.....	200
CPC	Princess Charlotte..	Canadian Pacific R. R. Co.	425	2	.....
CPM	Princess May.....	do.....	425	2	.....
CPR	Princess Royal.....	do.....	425	2	.....
CPV	Princess Victoria.....	do.....	425	2	.....
CR	City of Erie.....	Cleveland and Buffalo Transportation Co.	.....	4	.....
CS	Tasco.....	T. A. Scott Co.....	280	½	.....
CS	Seneca.....	New York and Porto Rico S. S. Co.	.....	4	.....
CS	Western States.....	Detroit and Buffalo S. S. Co.	.....	.....	.....
CT	Canada.....	Canadian government..	300	.....	250
CTA	Tionesta.....	Anchor Line.....	.....	4	.....
CU	City of Buffalo.....	Cleveland and Buffalo Transportation Co.	.....	4	.....
CW	Commonwealth.....	New England Navigation Co.	.....	½	.....
CX	St. Croix.....	Schuback-Hamilton S. S. Co.	425	2½	.....
DA	Philadelphia.....	Red "D" Line.....	300	.....	200
DB	Caracas.....	do.....	300	.....	200
DBR	Bremen.....	North German Lloyd..	Variable.	.....	220
DC	Iowa.....	Goodrich Transit Co..	.....	.....	.....
DCA	Cap Arcona.....	Hamburg-South American Line.	Variable.	.....	220
DCB	Cap Blanco.....	do.....	Variable.	.....	220
DCE	Cap Verde.....	do.....	Variable.	.....	500
DCF	Cap Frio.....	do.....	Variable.	.....	500
DCO	Cap Ortegá.....	do.....	Variable.	.....	220
DCR	Cap Roca.....	do.....	Variable.	.....	500
DCV	Cap Vilano.....	do.....	Variable.	.....	220
DDA	Kaiserin Auguste Victoria.	Hamburg-American Line.	300	.....	250
DDB	Bleucher.....	do.....	300	.....	250
DDC	Cincinnati.....	do.....	300	.....	250
DDG	Bulgaria.....	do.....	300	.....	250

Call letters.	Name of ship.	Name of owner.	Wave length, in meters.	Power, in kilowatts.	Range, in miles.
DDH	Hamburg.....	Hamburg - American Line.	300	.....	250
DDJ	Batavia.....	do.....	300	.....	250
DDL	Deutschland.....	do.....	300	.....	250
DDM	Moltke.....	do.....	300	.....	250
DDN	Pennsylvania.....	do.....	300	.....	250
DDO	Prinz Oscar.....	do.....	300	.....	250
DDP	Patricia.....	do.....	300	.....	250
DDR	Amerika.....	do.....	300	.....	250
DDS	President Grant.....	do.....	300	.....	250
DDT	President Lincoln.....	do.....	300	.....	250
DDT	Pretoria.....	do.....	300	.....	250
DDV	Cleveland.....	do.....	300	.....	250
DDW	Graf Waldersee.....	do.....	300	.....	250
DDZ	Prinz Adalbert.....	do.....	300	.....	250
DGO	Grosserzog von Oldenburg.	North German Sea Cable Co.	.....	.....	.....
DKA	Kronprinzessin Cecilie.	North German Lloyd..	300	.....	250
DKB	Berlin.....	do.....	300	.....	250
DKD	Friedrich der Grosse.....	do.....	300	.....	250
DKE	Princess Irene.....	do.....	300	.....	250
DKF	König Friedrich August.	Hamburg - American Line.	450	.....	220
DKG	König Wilhelm II.....	do.....	450	.....	220
DKG	Grosser Kurfurst....	North German Lloyd..	300	.....	250
DKI	Main.....	do.....	300	.....	250
DKK	Neckar.....	do.....	300	.....	250
DKL	Königen Luise.....	do.....	300	.....	250
DKM	Kaiser Wilhelm II.....	do.....	300	.....	250
DKN	George Washington.....	do.....	300	.....	250
DKO	König Albert.....	do.....	300	.....	250
DKP	Kronprinz Wilhelm.....	do.....	300	.....	250
DKR	Rhein.....	do.....	300	.....	250
DKS	Barbarossa.....	do.....	300	.....	250

Call letters.	Name of ship.	Name of owner.	Wave length, in meters.	Power, in kilowatts.	Range, in miles.
DKW	Kaiser Wilhelm der Grosse.	North German Lloyd..	300	.....	250
DKZ	Princess Alice.....	do.....	300	.....	250
DMR	Meteor.....	Hamburg - American Line.	450	.....	220
DOA	Moskwa.....	Russian volunteer fleet.	.....	.....	.....
DPA	Prince Adalbert.....	Kiel-Korsor Line.....	350	.....	75
DPS	Prince Sigismund.....	do.....	350	.....	75
DPW	Prince Waldemar.....	do.....	350	.....	75
DSB	Prinz August Wilhelm.	Hamburg - American Line.	300	.....	250
DSG	Prinz Sigismund.....	do.....	300	.....	250
DSI	Prinz Eitel Friedrich.	do.....	300	.....	250
DSM	Sarnia.....	do.....	300	.....	250
DSP	Prinz Joachim.....	do.....	300	.....	250
DSV	Siberia.....	do.....	300	.....	250
D1	Pendleton Sisters...	American schooner.....	.....	½	.....
EN	El Norte.....	Southern Pacific Co.....	.....	1	.....
FA	City of Columbus....	Ocean S. S. Co.....	300	1	200
FB	City of Atlanta.....	do.....	300	1	200
FC	City of Macon.....	do.....	300	1	200
FD	City of Memphis.....	do.....	300	1	200
FH	City of Savannah....	do.....	300	1	200
FJ	City of Augusta.....	do.....	300	1	200
FM	E. G. Crosby.....	Crosby Transportation Co.	.....	.....	.....
FP	Nacoochee.....	Ocean S. S. Co.....	300	1	200
FR	Joseph Henry.....	Army cable ship.....	.....	3	.....
FZ	Lydonia.....	Private yacht.....	.....	.....	.....
GA	City of Seattle.....	Pacific Coast S. S. Co....	300	1½	250
GB	Capt. A. F. Lucas...	Standard Oil Co.....	350	.....	200
GC	Georgia.....	Goodrich Transit Co.....	.....	.....	.....
GD	Barge No. 91.....	Standard Oil Co.....	350	2½	200
GF	City of Everett.....	do.....	350	.....	200
GF	Falcon.....	Chas. Nelson Lumber Co.	.....	1	.....
GH	Maverick.....	Standard Oil Co.....	425	2½	200

Call letters.	Name of ship.	Name of owner.	Wave length, in meters.	Power, in kilowatts.	Range, in miles.
GH	Barge No. 94.....	Standard Oil Co.....	350	.....	200
GK	Cottage City.....	Pacific Coast S. S. Co....	300	1½	250
GM	Asuncion.....	Standard Oil Co.....	425	2½	200
GM	Pilgrim.....	New England Navigation Co.	.....	½	.....
GN	Atlas.....	Standard Oil Co.....	425	2½	200
GP	Barge No. 96.....	.....do.....	350	.....	200
GQ	Pueblo.....	Pacific Coast S. S. Co....	300	1½	250
GS	Astral.....	Standard Oil Co.....	350	.....	200
GS	Senator.....	Pacific Coast S. S. Co....	300	1½	250
GU	Umatilla.....	.....do.....	300	1½	250
GV	Governor.....	.....do.....	300	1½	250
GX	Queen.....	.....do.....	.....	1½	.....
HD	Alameda.....	Oceanic S. S. Co.....	425	1	250
HK	Mariposa.....	.....do.....	425	2½	250
HM	Jefferson.....	Alaska S. S. Co.....	425	2½	250
HN	Hanalia.....	Independent S. S. Co..	425	1½	.....
HN	Chester W. Chapin..	New England Navigation Co.	425	½	.....
HN	Missouri.....	Northern Michigan Transportation Co.	.....	.....	.....
HO	Corwin.....	Pacific Coal and Transportation Co.	425	1½	.....
HO	Chicago.....	Goodrich Transit Co..	.....	.....	.....
HS	Savage.....	B. & O. R. R. Co.....	350	.....	200
HW	Mackinaw.....	Schuback-Hamilton S. S. Co.	125	1½	.....
HX	Humboldt.....	Humboldt S. S. Co....	.....	1½	.....
HY	Plymouth.....	New England Navigation Co.	.....	½	.....
H2	Rose City.....	San Francisco and Pacific S. S. Co.	400	3	.....
IN	Illinois.....	Northern Michigan Transportation Co.	.....	.....	.....
JC	City of Racine.....	Goodrich Transit Co..	.....	.....	.....
JH	Horatio Hall.....	Maine S. S. Co.....	350	.....	200
JM	Manhattan.....	.....do.....	350	.....	200
JS	North Star.....	.....do.....	350	.....	200
KA	Antilles.....	Southern Pacific Co....	300	.....	200

Call letters.	Name of ship.	Name of owner.	Wave length, in meters.	Power, in kilowatts.	Range, in miles.
KC	Christopher Columbus.	Goodrich Transit Co.			
KM	Mascotte.	Peninsula and Occidental S. S. Co.	350		200
KM	Momus.	Southern Pacific Co.	300		200
KR	Creole.	do.	300		200
KS	Santa Cruz.	Puget Sound Wrecking Co.		1½	
KV	Olivette.	Peninsula and Occidental S. S. Co.	340		200
K2	Ossabow.	Brunswick S. S. Co.		3	
LA	Lysistrata (private yacht).	J. G. Bennett.	400		200
LD	Leopold II.	Belgium Government.	300		250
LF	La Flandre.	do.	300		250
LR	Lady Laurier.	Canadian government.	300		250
MN	Manitou.	Northern Michigan Transportation Co.			
MNA	Pannonia.	Cunard Line.	300		250
MNC	Romanic.	White Star Line.	300		250
MNK	New York.	American Line.	300		250
MOA	Ancona.	Italia S. S. Line.	300		250
MOC	Oceanic.	White Star Line.	300		250
MOI	Columbia.	Anchor Line.	300		250
MOT	Taormina.	Italian S. S. Line.	300		250
MOV	Verona.	do.	300		250
MPA	Carpathia.	Cunard Line.	300		250
MPB	Empress of Britain.	Canadian Pacific R. R. Co.	300		250
MPC	Canopic.	White Star Line.	300		250
MPD	Lapland.	Red Star Line.	300		250
MPH	Philadelphia.	American Line.	300		250
MPI	Empress of India.	Canadian Pacific R. R. Co.	300		250
MPJ	Empress of Japan.	do.	300		250
MPL	Empress of Ireland.	do.	300		250
MPN	Parisian.	Allen Line.	300		250
MPQ	Empress of China.	Canadian Pacific R. R. Co.	300		250
MR	Bunker Hill.	Fall River Line.	300		15
MRA	Caronia.	Cunard Line.	300		250

Call letters.	Name of ship.	Name of owner.	Wave length, in meters.	Power, in kilowatts.	Range, in miles.
MRC	Cretic.....	White Star Line.....	300	.....	250
MRG	Regina d'Italia.....	Lloyd Sabauda Line.....	.....	.....	.....
MRI	Re d'Italia.....	.....do.....	300	.....	250
MRN	Grampian.....	Allan Line.....	300	.....	250
MRP	Principe Di Piemonte.	Lloyd Sabauda Line..	300	.....	250
MRS	Tomaso di Savoia.....	.....do.....	300	.....	250
MS	Ancon.....	Panama R. R. S. S. Co.	.....	.....	.....
MS	Massachusetts.....	New England Navigation Co.	300	½	.....
MSA	Saxonia.....	Cunard Line.....	300	.....	250
MSF	San Giovanni.....	Sicula American Line..	300	.....	250
MSH	San Georgio.....	.....do.....	300	.....	250
MSL	St. Louis.....	American Line.....	300	.....	250
MSM	San Guiseppi.....	Sicula American Line..	300	.....	250
MSN	Hesperian.....	Allan Line.....	300	.....	250
MSO	San Guglielmo.....	Sicula American Line..	300	.....	250
MSP	St. Paul.....	American Line.....	300	.....	250
MT	Minto.....	Canadian government..	300	.....	250
MA	Allianca.....	Panama R. R. Co.....	350	.....	200
MA	Maine.....	New England Navigation Co.	.....	½	.....
MAA	Carmania.....	Cunard Line.....	300	.....	250
MAB	Lombardia.....	Italian Royal Mail....	300	.....	250
MAC	Sicilia.....	.....do.....	300	.....	250
MAD	Duca Degli Abruzzi.....	.....do.....	300	.....	250
MAF	Mendoza.....	Lloyd Italiano Line..	300	.....	250
MAG	Cordova.....	.....do.....	300	.....	250
MAH	Virginia.....	.....do.....	300	.....	250
MAI	Caledonia.....	Anchor Line.....	300	.....	250
MAK	Indiana.....	Lloyd Italiano Line..	300	.....	250
MAL	Ligurier.....	Italian Royal Mail....	300	.....	250
MAM	Luisiana.....	Lloyd Italiano Line..	300	.....	250
MAS	Sardegna.....	Italian Royal Mail....	300	.....	250
MAU	Umbria.....	.....do.....	300	.....	250

Call letters.	Name of ship.	Name of owner.	Wave length, in meters.	Power, in kilowatts.	Range, in miles.
MAY	Antony.....	Booth Line.....	300	.....	250
MBC	Baltic.....	White Star Line.....	300	.....	250
MBF	Batavier IV.....	Batavier Line.....	300	.....	250
MBN	Bavarian.....	Allan Line.....	300	.....	250
MBR	Bruce.....	Reid - Newfoundland Line.	300	.....	250
MBS	Batavier II.....	Batavier Line.....	300	.....	250
MBT	Batavier III.....	do.....	300	.....	250
MBV	Batavier V.....	do.....	300	.....	250
MC	Old Colony.....	New England Navigation Co.	300	4	15
MC	Sheboygan.....	Goodrich Transit Co.....	.....	.....	.....
MCA	Campania.....	Cunard Line.....	300	.....	250
MCF	Canada.....	Dominion Line.....	300	.....	250
MCI	California.....	Anchor Line.....	300	.....	250
MCL	Cairo.....	Egyptian Mail S. S. Co.	300	.....	250
MCN	Corsican.....	Allan Line.....	300	.....	250
MD	Cristobal.....	Panama R. R. S. S. Co.....	.....	.....	.....
MDC	Cedric.....	White Star Line.....	300	.....	250
MDF	Dominion.....	Dominion Line.....	300	.....	250
MEA	Etruria.....	Cunard Line.....	300	.....	250
MEB	Tamarac.....	Anglo-American Oil Co.	300	.....	250
MEC	Narragansett.....	do.....	300	.....	250
MEI	Iroquois.....	do.....	300	.....	250
MEN	Navahoe.....	do.....	300	.....	250
MF	Finance.....	Panama R. R. Co.....	350	.....	200
MFA	Lusitania.....	Cunard Line.....	300	.....	250
MFC	Arabic.....	White Star Line.....	300	.....	250
MFD	Finland.....	Red Star Line.....	300	.....	250
MFI	Furnessia.....	Anchor Line.....	300	.....	250
MGA	Mauretania.....	Cunard Line.....	300	.....	250
MGC	Cymric.....	White Star Line.....	300	.....	250
MGN	Virginian.....	Allan Line.....	300	.....	250



Call letters.	Name of ship.	Name of owner.	Wave length, in meters.	Power, in kilowatts.	Range, in miles.
MH	Panama.....	Panama R. R. Co.....	350		200
MH	Marie Henriette ....	Belgium Government..	300		250
MHA	Noordam.....	Holland-American Line	300		250
MHB	New Amsterdam.....	do.....	300		250
MHC	Adriatic.....	White Star Line.....	300		250
MHL	Heliopolis.....	Egyptian Mail S. D. Co.	300		250
MHM	Potsdam.....	Holland-American Line	300		250
MHR	Rotterdam.....	do.....	300		250
MHS	Statendam.....	do.....	300		250
MHY	Ryndam.....	do.....	300		250
MI	Minnesota.....	Northern S. S. Co.....	600	5	
MIA	Ivernia.....	Cunard Line.....	300		250
MIC	Laurentic.....	White Star Line.....	300		250
MID	Inanda.....	Aberdeen Line.....	300		250
MIK	Inkosi.....	do.....	300		250
MIL	Iolanda.....	Private yacht.....	300		250
MK	Kennebec.....	New England Naviga- tion Co.		4	
MKD	Kroonland.....	Red Star Line.....	300		250
MKF	Frisia.....	Koninklijke-Hol- landsche Lloyd.	300		250
MKH	Hollandia.....	do.....	300		250
MLA	Lucania.....	Cunard Line.....	300		250
MLB	La Bretagne.....	Cie. Générale Trans- atlantique.	300		250
MLC	La Champagne.....	do.....	300		250
MLC	Celtic.....	White Star Line.....	300		250
MLE	Lake Erie.....	Canadian Pacific R. R. Co.	300		250
MLG	La Gascogne.....	Cie. Générale Trans- atlantique.	300		250
MLH	Lake Michigan.....	Canadian Pacific R. R. Co.	300		250
MLI	Montreal.....	do.....	300		250
MLJ	Montrose.....	do.....	300		250
MLK	Montezuma.....	do.....	300		250
MLL	La Lorraine.....	Cie. Générale Trans- atlantique.	300		250

Call letters.	Name of ship.	Name of owner.	Wave length, in meters.	Power, in kilowatts.	Range, in miles.
MLM	Lake Manitoba.....	Canadian Pacific R. R. Co.	300	.....	250
MLN	Lake Champlain.....	do.....	300	.....	250
MLO	Mount Royal.....	do.....	300	.....	250
MLP	La Provence.....	Cie. Générale Transatlantique.	300	.....	250
MLQ	Mount Temple.....	Canadian Pacific R. R. Co.	300	.....	250
MLS	La Savoie.....	Cie. Générale Transatlantique.	300	.....	250
MLT	La Touraine.....	do.....	300	.....	250
MLT	Milwaukee.....	Canadian Pacific R. R. Co.	300	.....	250
MLW	Montfort.....	do.....	300	.....	250
MLX	Monmouth.....	do.....	300	.....	250
MLY	La Chicago.....	Cie. Générale Transatlantique.	300	.....	250
MLZ	Montcalm.....	Canadian Pacific R. R. Co.	300	.....	250
MMA	Minnehaha.....	Atlantic Transport Line.	300	.....	250
MMB	Mackey-Bennett....	Commercial Cable Co.	300	.....	250
MMC	Majestic.....	White Star Line.....	300	.....	250
MMD	Malwa.....	Peninsula and Oriental Co.	300	.....	250
MME	Mantua.....	do.....	300	.....	250
MMF	Morea.....	do.....	300	.....	250
MMK	Minnetonka.....	Atlantic Transport Line.	300	.....	250
MMS	Minneapolis.....	do.....	300	.....	250
MMW	Minnewaska.....	do.....	300	.....	250
MTA	Ultonia.....	Cunard Line.....	300	.....	250
MTC	Teutonic.....	White Star Line.....	300	.....	250
MTN	Tunisian.....	Allan Line.....	300	.....	250
MUA	Umbria.....	Cunard Line.....	300	.....	250
MUG	Argentina.....	Austro-American Line.	300	.....	250
MUL	Alice.....	do.....	300	.....	250
MUO	Oceania.....	do.....	300	.....	250
MUR	Laura.....	do.....	300	.....	250
MUW	Martha Washington.	do.....	300	.....	250
MV	Advance.....	Panama R. R. Co.....	350	.....	200

Call letters.	Name of ship.	Name of owner.	Wave length, in meters.	Power, in kilowatts.	Range, in miles.
MVA	Slavonia.....	Cunard Line.....	300		250
MVC	Citta di Napoli.....	La Veloce Line.....	300		250
MVD	Vaderland.....	Red Star Line.....	300		250
MVE	Europa.....	La Veloce Line.....	300		250
MVN	Victorian.....	Allan Line.....	300		250
MVR	Nord America.....	La Veloce Line.....	300		250
MVS	Sud America.....	do.....	300		250
MX	Colon.....	Panama R. R. Co.....	350		200
MYA	Thalia.....	Austrian Lloyd S. S. Co.	300		250
MZD	Zeeland.....	Red Star Line.....	300		250
MZL	Florizel.....	Bowring Line.....	300		250
MZR	Rosalind.....	do.....	300		250
M2	Geo. W. Elder.....	North Pacific S. S. Co..	400	2	
NA	Arato.....	Royal Mail Steam Packet Co.	350		200
NC	Carolina.....	Goodrich Transit Co.....			
ND	Magdalena.....	Royal Mail Steam Packet Co.	350		200
NJ	Nile.....	do.....	350		200
NK	Clyde.....	do.....	350		200
NK	Pequonock.....	New England Navigation Co.		1	
NL	Montcalm.....	Canadian government..	300		250
NM	Thames.....	Royal Mail Steam Packet Co.	350		200
NO	Orinoco.....	do.....	350		200
NQ	Holland.....	Graham & Morton Line.			
NR	Trent.....	Royal Mail Steam Packet Co.	350		200
NS	New Hampshire.....	New England Navigation Co.		1	
NS	Tagus.....	Royal Mail Steam Packet Co.	350		200
NU	Oruba.....	do.....	350		200
N2	Fearless.....	Tacoma Tug and Barge Co.	300	1	
OA	Hamilton.....	Old Dominion Line....	350	1	150
OB	Princess Anne.....	do.....	350	1	150
OC	Jamestown.....	do.....	350	1	150

Call letters.	Name of ship.	Name of owner.	Wave length, in meters.	Power, in kilowatts.	Range, in miles.
OD	Jefferson.....	Old Dominion Line ...	350	1	150
ON	Monroe.....	do.....	350	1	150
PA	Prince Albert.....	Belgium Government..	300		250
PC	Princess Clementine.....	do.....	300		250
PE	Princess Elizabeth.....	do.....	300		250
PH	Princess Henriette.....	do.....	300		250
PJ	Princess Josephine.....	do.....	300		250
PQ	City of Chicago.....	Graham & Morton Line.....			
PU	Mobilla.....	Munson Line.....			
PV	Providence.....	New England Navigation Co.		$\frac{1}{4}$	
P1	Enterprise.....	Matson Navigation Co..	425	$1\frac{1}{2}$	400
P2	Hilonian.....	do.....	425	$1\frac{1}{2}$	400
P3	Portland.....	Alaska Coast Co.....	425	$1\frac{1}{2}$	400
P5	Col. E. L. Drake....	Standard Oil Co.....	425	$2\frac{1}{2}$	400
P6	Barge No. 3.....	do.....	350	$2\frac{1}{2}$	400
P7	Buckman.....	Alaska Pacific S. S. Co.	425	$1\frac{1}{2}$	400
P8	Watson.....	do.....	425	$1\frac{1}{2}$	400
P9	Bertha.....	Alaska Coast Co.....	425	$1\frac{1}{2}$	400
Q	City of Taunton.....	New England Navigation Co.		$\frac{1}{4}$	
QA	Larimer.....	J. M. Guffey Petroleum Co.	350		200
QB	Oklahoma.....	do.....	350		200
QC	Shenango.....	do.....	350		200
QF	J. M. Guffey.....	do.....	350		200
QO	Ligonier.....	do.....	350		200
QW	Winifred.....	do.....	350		200
RCA	Algonquin.....	U. S. revenue cutter...	360	2	
RCB	Bear.....	do.....			
RCD	Androscoggin.....	do.....			
RCE	Seneca.....	do.....			
RCF	Snomish.....	do.....			
RCG	Gresham.....	do.....	425	2	

Call letters.	Name of ship.	Name of owner.	Wave length, in meters.	Power, in kilowatts.	Range, in miles.
RCH	McCulloch.....	U. S. revenue cutter...	425	2	.....
RCI	Itasca.....	do.....	400	2	.....
RCL	Tuscarora.....	do.....			.....
RCM	Mohawk.....	do.....			.....
RCN	Manning.....	do.....	425	2	.....
RCO	Onondaga.....	do.....	400	2	.....
RCP	Apache.....	do.....			.....
RCR	Rush.....	do.....			.....
RCS	Seminole.....	do.....	380	2	.....
RCT	Thetis.....	do.....			.....
RCU	Acushnet.....	do.....			.....
RCW	Windom.....	do.....			.....
RD	La Rapide.....	Belgium Government..	300		250
RH	Harvard.....	Metropolitan Line.....	400		200
RN	Puritan.....	New England Navigation Co.		1	.....
RY	Yale.....	Metropolitan Line.....	400		200
SAL	Salvor.....	British Columbia Salvage Co.	330	1	.....
SC	Indiana.....	Goodrich Transit Co..			.....
SCA	Estonia.....	East Asiatic S. S. Co..			250
SCF	J. F. Tietgen.....	Scandinavian - American Line.	450		250
SHO	Hellig Olav.....	do.....	450		250
SLA	Litunia.....	East Asiatic S. D. Co..			250
SOR	King Oscar II.....	Scandinavian - American Line.	450		250
SQ	Puritan.....	Graham & Morton Line.			.....
SRM	Russia.....	East Asiatic S. S. Co..			250
ST	Stanley.....	Canadian government.	300		250
SUS	United States.....	Scandinavian - American Line.	450		250
S2	Roanoke.....	North Pacific S. S. Co..	400	2	.....
TCY	Chiyo Maru.....	Toyo Kisen Kaisha....	300		120
THN	Hong Kong Maru.....	do.....	300		120
TMC	America Maru.....	do.....	300		120

Call letters.	Name of ship.	Name of owner.	Wave length, in meters.	Power, in kilowatts.	Range, in miles.
TNP	Nippon Maru.....	Toyo Kisen Kaisha....	300		120
TR	Rosina.....	Independent S. S. Co..			200
TTY	Tenyo Maru.....	Toyo Kisen Kaisha....	300		120
TV	Jos. Vaccaro.....	Independent S. S. Co..			200
UA	Ellis.....	United Fruit Co.....	350		200
UB	Preston.....	do.....	350		200
UC	Cartago.....	do.....	500	2	
UD	Parisimina.....	do.....	500	2	
UD	Admiral Dewey....	American Mail S. S. Co.			
UF	Admiral Farragut..	do.....			
UG	Admiral Schley.....	do.....			
UH	Heredia.....	United Fruit Co.....	500	2	
U2	Lurline.....	Matson Navigation Co..	400	3	
VA	Apache.....	Clyde S. S. Co.....	350	1	200
VB	Arapahoe.....	do.....	350	1	200
VC	Comanche.....	do.....	350	1	200
VD	Ville de Douvres....	Belgium Government..	300		250
VDS	Vanadis.....	C. K. G. Billings.....	425		
VF	Iroquois.....	Clyde S. S. Co.....	350	1	200
VG	Algonquin.....	do.....	350	1	200
VH	Huron.....	do.....	350	1	200
VJ	Seminole.....	do.....	350	1	200
VK	Cherokee.....	do.....	350	1	200
VM	Mohawk.....	do.....	350	1	200
V2	President.....	Pacific Coast S. S. Co..	400		3
WC	Morro Castle.....	Ward Line.....	350		200
WE	City of Lowell.....	New England Naviga- tion Co.		1	
WG	Seguranca.....	Ward Line.....	350		200
WH	Havana.....	do.....	350		200
WM	Merida.....	do.....	350		200
WS	Saratoga.....	do.....	350		200

Call letters.	Name of ship.	Name of owner.	Wave length, in meters.	Power, in kilowatts.	Range, in miles.
WV	Vigilancia.....	Ward Line.....	350	.....	200
WY	Monterey.....	.....do.....	350	.....	200
WY	Sea Otter (motor yacht).	Hugh J. Willoughby..	.....	.....	50
WX	Mexico.....	Ward Line.....	350	.....	200
WZ	Esperanza.....	.....do.....	350	.....	200
XA	Hendrick Hudson...	Hudson River Day Line.	.....	.....	.....
XA	Arizona.....	The Fisheries Co.....	300	.....	100
XB	Robert Fulton.....	Hudson River Day Line.	.....	.....	.....
XD	Walter Adams.....	.....do.....	300	.....	100
XF	Florida.....	Bay Line S. S. Co.....	.....	.....	.....
XG	Alabama.....	.....do.....	.....	.....	.....
XH	Virginia.....	.....do.....	.....	.....	.....
XK	Alaska.....	The Fisheries Co.....	300	.....	100
XM	Mindora.....	.....do.....	300	.....	100
XN	J. L. Lawrence.....	.....do.....	300	.....	100
XQ	Quick Step.....	.....do.....	300	.....	100
XW	Jos. Wharton.....	.....do.....	300	.....	100
YA	S. V. Luckenbach...	Insular Line.....	.....	.....	.....
YA	Paraguay.....	Sun Oil Co.....	300	.....	200
YAK	Aki Maru.....	Toyo Kisen Kaisha.....	300	.....	120
YD	Toledo.....	Sun Oil Co.....	300	.....	200
YIY	Iyo Maru.....	Toyo Kisen Kaisha.....	300	.....	120
YKG	Kaga Maru.....	.....do.....	300	.....	120
YSN	Shinano Maru.....	.....do.....	300	.....	120
YTG	Tango Maru.....	.....do.....	300	.....	120
YTS	Tosa Maru.....	.....do.....	300	.....	120

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**LIST OF VESSELS OF THE UNITED STATES  
NAVY**

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Call letters.	Name of ship.	Wave length, in meters.	Power, in kilowatts.
NBA	Abarenda .....		
NBC	Accomac.....		
NBD	Active.....		
NBE	Adams.....		
NBF	Adder.....		
NBG	Aileen.....		
NBH	Ajax.....		
NBI	Alabama.....	425	1½
NBJ	Albany.....	425	2
NBK	Albatross.....		
NBL	Alert.....		
NBM	Alexander.....		
NBN	Alice.....		
NBO	Alliance.....		
NBP	Alvarado.....		
NBQ	Amphitrite.....		
NBR	Annapolis.....		
NBS	Apache.....		
NBT	Arayat.....		
NBU	Arethusa.....		
NBV	Arkansas.....		
NBW	Atlanta.....		
NCE	Bagley.....		
NCF	Bailey.....		
NCG	Bainbridge.....		
NCH	Baltimore.....		

Call letters.	Name of ship.	Wave length, in meters.	Power, in kilowatts.
NCI	Barney.....		
NCJ	Barracuda.....		
NCK	Barry.....		
NCL	Bennington.....		
NCM	Biddle.....		
NCN	Birmingham.....	425	5
NCO	Blakely.....		
NCP	Bonita.....		
NCQ	Boston.....		
NCR	Boxer.....		
NCS	Brooklyn.....		
NCT	Brutus.....		
NCU	Buffalo.....	425	2
NCV	Burrows.....		
NCZ	California.....	425	3
NDA	Castine.....	425	1½
NDB	Celtic.....	425	2
NDC	Charleston.....	425	1½
NDE	Chattanooga.....	425	1
NDF	Chauncey.....		
NDG	Chester.....	425	5
NDH	Cheyenne.....		
NDI	Chicago.....	425	1
NDJ	Chickasaw.....		
NDK	Choctaw.....		
NDL	Cincinnati.....		
NDM	Cleveland.....	425	1
NDN	Colorado.....	425	2
NDO	Columbia.....		
NDP	Concord.....	425	1
NDQ	Connecticut.....	425	3

Call letters.	Name of ship.	Wave length, in meters.	Power, in kilowatts.
NDR	Constellation.....		
NDS	Constitution.....		
NDT	Craven.....		
NDU	Culgoa.....	425	3
NDV	Cumberland.....		
NDW	Cushing.....		
NDX	Cuttlefish.....		
NDY	Cyclops.....		
NEG	Dahlgren.....		
NEH	Dale.....		
NEI	Davis.....		
NEJ	Decatur.....		
NEK	Delaware.....		
NEL	De Long.....		
NEM	Denver.....	425	2
NEN	Des Moines.....	425	1
NEO	Detroit.....		
NEP	Dixie.....	425	3
NEQ	Dolphin.....	425	1
NER	Don Juan de Austria.....	425	2
NES	Dorothea.....		
NET	Drayton.....		
NEU	Dubuque.....	425	1
NEV	Du Pont.....		
NFC	Eagle.....		
NFD	Eagre.....		
NFE	Elcano.....		
NFG	Elfrida.....		
NFH	Enterprise.....		
NFI	Ericsson.....		
NFJ	Essex.....		

Call letters.	Name of ship.	Wave length, in meters.	Power, in kilowatts.
NFP	Farragut.....	425	
NFQ	Fish Hawk.....		
NFR	Florida.....		
NFS	Flusser.....		
NFT	Foote.....		
NFU	Fortune.....		
NFV	Fox.....		
NFW	Franklin.....		
NFX	Frolic.....		
NGD	Galveston.....	425	2
NGE	General Alava.....		
NGF	Georgia.....	425	2
NGH	Glacier.....	425	2
NGI	Gloucester.....		
NGJ	Goldsborough.....	425	1
NGK	Gopher.....		
NGL	Grampus.....		
NGM	Grayling.....		
NGN	Gwin.....		
NGT	Hancock.....		
NGU	Hannibal.....		
NGV	Hartford.....	425	2
NGW	Hawk.....		
NGX	Hector.....		
NGY	Helena.....	425	2
NGZ	Hercules.....		
NHA	Hist.....		
NHB	Holland.....		
NHC	Hopkins.....	425	
NHD	Hornet.....		
NHE	Hull.....	425	

Call letters.	Name of ship.	Wave length, in meters.	Power, in kilowatts.
NHF	Huntress.....		
NHN	Idaho.....	425	5
NHO	Illinois.....	425	1
NHP	Independence.....		
NHQ	Indiana.....	425	2
NHR	Intrepid.....		
NHS	Ionie.....		
NHT	Iowa.....	425	2
NHU	Iris.....		
NHV	Iroquois.....		
NHW	Isla de Cuba.....		
NHX	Isla de Luzon.....		
NHY	Iwana.....		
NIE	Jupiter.....		
NIF	Justin.....		
NIO	Kansas.....	425	5
NIP	Kearsarge.....	425	2
NIQ	Kentucky.....	425	2
NIW	Lamson.....		
NIX	Lancaster.....		
NIY	Lawrence.....	425	
NIZ	Lebanon.....	425	2
NJA	Leonidas.....		
NJB	Louisiana.....	425	3
NJH	Macdonough.....	425	2
NJI	Machias.....		
NJK	Mackenzie.....		
NJL	Maine.....	425	1½
NJM	Manila.....		
NJN	Manly.....		
NJO	Marblehead.....		

Call letters.	Name of ship.	Wave length, in meters.	Power, in kilowatts.
NJP	Marcellus.....		
NJQ	Marietta.....	425	1
NJR	Mars.....		
NJS	Maryland.....	425	1½
NJT	Massachusetts.....		
NJU	Massasoit.....		
NJV	Mayflower.....	425	1
NJW	McCall.....		
NJX	McKee.....		
NJY	Miantonomoh.....		
NJZ	Michigan.....		
NKA	Milwaukee.....	425	2
NKB	Mindoro.....		
NKC	Minneapolis.....		
NKD	Minnesota.....	425	3
NKE	Mississippi.....	425	5
NKF	Missouri.....	425	2
NKG	Moccasin.....		
NKH	Modoc.....		
NKI	Mohawk.....		
NKJ	Mohican.....		
NKL	Monadnock.....		
NKM	Montana.....	425	5
NKN	Monterey.....		
NKO	Montgomery.....	425	2
NKP	Morris.....		
NKV	Nanshan.....		
NKW	Narkeeta.....		
NKX	Narwhal.....		
NKY	Nashville.....		
NKZ	Navajo.....		

Call letters.	Name of ship.	Wave length, in meters.	Power, in kilowatts.
NMA	Nebraska.....	425	3
NMB	Nero.....		
NMC	Nevada.....		
NMD	Newark.....	425	2
NME	New Hampshire.....	425	5
NMF	New Jersey.....	425	3
NMG	New Orleans.....		
NMH	Newport.....		
NMI	New York.....	425	5
NMK	Nina.....		
NML	Nipsic.....		
NMN	North Carolina.....	425	5
NMO	North Dakota.....		
NMV	Octopus.....		
NMW	Ohio.....	425	2
NMX	Olympia.....	425	2
NMY	Oneida.....		
NMZ	Oregon.....		
NOA	Osceola.....		
NOB	Ozark.....		
NOG	Paducah.....	425	1
NOH	Pampanga.....		
NOI	Panay.....		
NOJ	Panther.....	425	2½
NOK	Paragua.....		
NOL	Patapsco.....	425	
NOM	Patuxent.....	425	
NON	Paulding.....		
NOP	Paul Jones.....	425	
NOQ	Pawnee.....		
NOR	Pawtucket.....		



Call letters.	Name of ship.	Wave length, in meters.	Power, in kilowatts.
NOS	Penacook.....		
NOT	Pennsylvania.....	425	2
NOU	Pensacola.....		
NOV	Pentucket.....		
NOW	Peoria.....		
NOX	Perkins.....		
NOY	Perry.....	425	2
NOZ	Petrel.....		
NQA	Philadelphia.....		
NQB	Pickerel.....		
NQC	Pike.....		
NQD	Piscataqua.....		
NQE	Plunger.....		
NQF	Pompey.....		
NQG	Pontiac.....		
NQH	Porpoise.....		
NQI	Porter.....		
NQJ	Portsmouth.....		
NQK	Potomac.....		
NQL	Powhatan.....		
NQM	Prairie.....	425	2
NQN	Preble.....	425	2
NQO	Preston.....		
NQP	Princeton.....		
NQR	Prometheus.....		
NQS	Puritan.....		
NQW	Quiros.....		
NRA	Rainbow.....	425	2
NRB	Raleigh.....		
NRC	Ranger.....		
NRD	Rapido.....		

Call letters.	Name of ship.	Wave length, in meters.	Power, in kilowatts.
NRE	Reid.....		
NRF	Reina Mercedes.....		
NRG	Relief.....		
NRH	Restless.....		
NRI	Rhode Island.....	425	1½
NRJ	Richmond.....		
NRK	Rocket.....		
NRL	Rodgers.....		
NRM	Roe.....		
NRN	Rowan.....		
NRZ	Salem.....	425	5
NSA	Salmon.....		
NSB	Samar.....		
NSC	Samoset.....		
NSD	Sandoval.....		
NSE	San Francisco.....		
NSF	Saturn.....		
NSG	Scorpion.....	425	1½
NSH	Seal.....		
NSI	Sebago.....		
NSJ	Severn.....		
NSK	Shark.....		
NSL	Shubrick.....		
NSM	Sioux.....		
NSN	Siren.....		
NSO	Skate.....		
NSP	Skipjack.....		
NSQ	Smith.....		
NSR	Snapper.....		
NST	Solace.....	425	2
NSU	Somers.....		

Call letters.	Name of ship.	Wave length, in meters.	Power, in kilowatts.
NSV	Sotoyomo.....		
NSW	South Carolina.....		
NSX	South Dakota.....	425	3
NSY	Southery.....		
NSZ	Standish.....		
NTA	Sterling.....		
NTB	Sterrett.....		
NTC	Stewart.....	425	
NTD	Stingray.....		
NTE	Stiletto.....		
NTF	St. Louis.....	425	3
NTG	Stockton.....	425	2
NTH	Stranger.....		
NTI	Stringham.....	425	2
NTJ	Sturgeon.....		
NTK	Supply.....	425	2½
NTL	Sylph.....		
NTM	Sylvia.....		
NUA	Tacoma.....	425	2
NUB	Talbot.....		
NUC	Tallahassee.....		
NUD	Tarantula.....		
NUE	Tarpon.....		
NUF	Tecumseh.....		
NUG	Tennessee.....	425	3
NUH	Terror.....		
NUI	Terry.....		
NUJ	Texas.....		
NUK	Thornton.....		
NUL	Thrasher.....		
NUM	Tingey.....		

Call letters.	Name of ship.	Wave length, in meters.	Power, in kilowatts.
NUN	Tonopah.....		
NUO	Topeka.....		
NUP	Traffic.....		
NUQ	Triton.....		
NUR	Truxtun.....		
NUS	Tuna.....		
NVC	Unadilla.....		
NVD	Uncas.....		
NVE	Utah.....		
NVK	Vermont.....	425	3
NVL	Vestal.....		
NVM	Vesuvius.....		
NVN	Vicksburg.....		
NVO	Vigilant.....		
NVP	Villalobos.....		
NVQ	Viper.....		
NVR	Virginia.....	425	3
NVS	Vixen.....		
NVT	Vulcan.....		
NWA	Waban.....		
NWB	Wabash.....		
NWC	Wahneta.....		
NWD	Warrington.....		
NWE	Washington.....	425	3
NWF	Wasp.....		
NWG	West Virginia.....	425	2
NWH	Wheeling.....	425	2½
NWI	Whipple.....	425	1
NWJ	Wilkes.....		
NWK	Wilmington.....	425	2
NWK	Winslow.....		

Call letters.	Name of ship.	Wave length, in meters.	Power, in kilowatts.
NWM	Wisconsin.....	425	3
NWN	Wolverine.....		
NWO	Wompatuck.....		
NWP	Worden.....	425	2
NWQ	Wyoming.....		
NXA	Yankee.....		
NXB	Yankton.....	425	1
NXC	Yantic.....		
NXD	Yorktown.....	425	2½

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