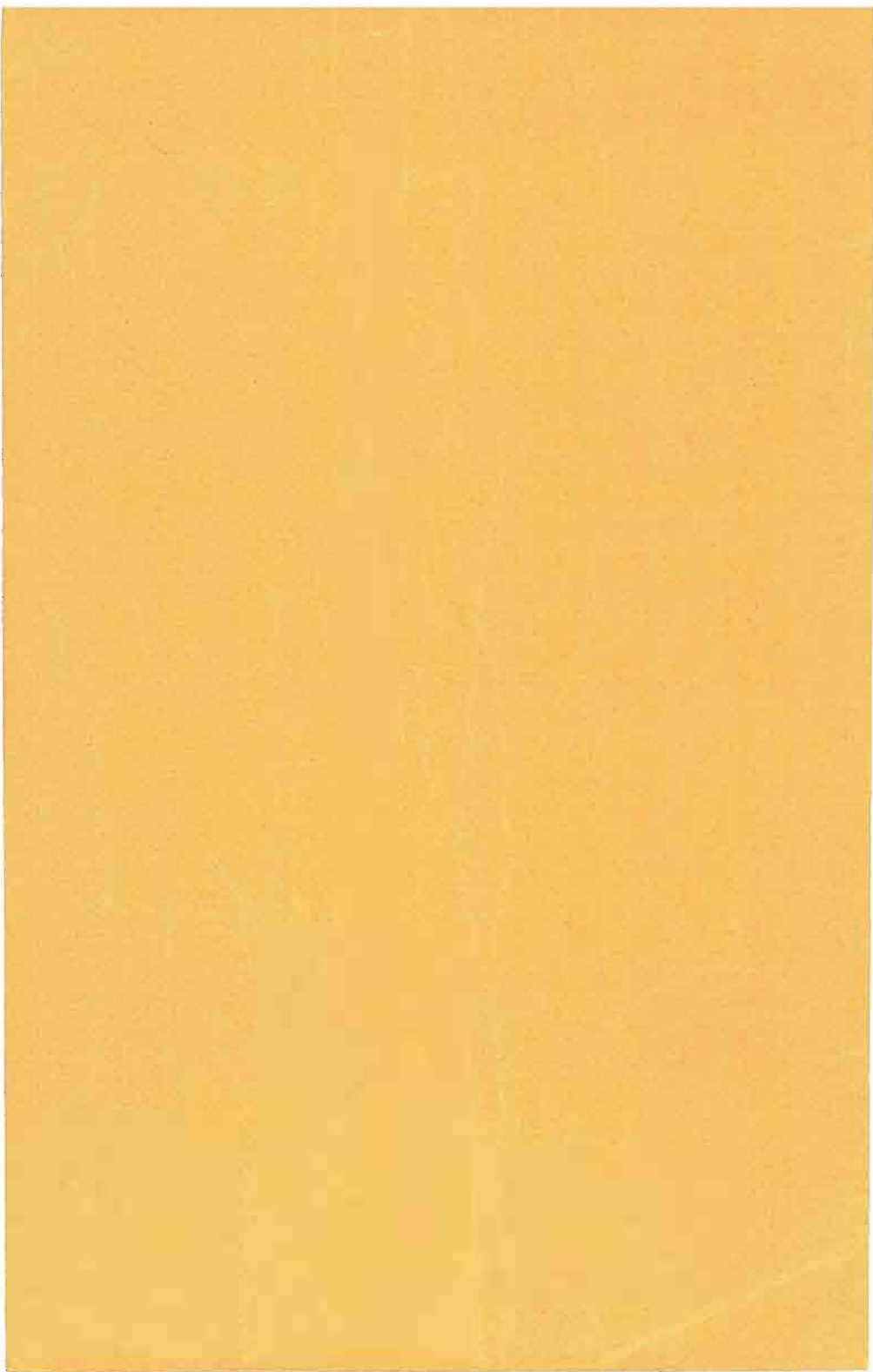


The Boston Globe

**RADIO
STATION
CALL
BOOK**

Comprising a list of Broadcasting
Stations of the United States and
Canada and the Principal Short
Wave and Experimental Tele-
vision Stations of the World.

(Corrections to September 15, 1930)
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BROADCASTING STATIONS OF THE UNITED STATES

ALPHABETICALLY ARRANGED

Call	Location	Wave Power	Call	Location	Wave Power
KDKA	Pittsburg, Penn.	305.9 5000	KOIL	Council Bluffs, Ia.	238 1000
KDYL	Salt Lake City, Utah	232.4 1000	KOIN	Portland, Or.	319 1000
KECA	Los Angeles, Calif.	209.7 1000	KOL	Seattle, Wash.	236.1 1000
KELW	Burbank, Calif.	384.4 500	KOMO	Seattle, Wash.	325.9 1000
KEX	Portland, Or.	254.1 5000	KOY	Phoenix, Ari.	215.7 500
KFAB	Lincoln, Neb.	389.4 5000	KPO	San Francisco, Calif.	440.9 5000
KFBF	Great Falls, Mont.	234.4 1000	KPOF	Denver, Colo.	340.7 500
KFD	Beaumont, Tex.	635.4 500	KPRC	Houston, Tex.	325.9 1000
KFDY	Brookings, S D.	545.1 500	KPSN	Pasadena, Calif.	220.4 1000
KFEI	Denver, Colo.	325.9 500	KPWF	Los Angeles, Calif.	201.2 5000
KFEQ	St Joseph, Mo.	440.9 2500	KQV	Pittsburg, Penn.	217.3 500
KFH	Wichita, Kan.	230.6 1000	KQW	San Jose, Calif.	296.9 500
KFI	Los Angeles, Calif.	468.5 5000	KRGV	Harlingen, Tex.	238 500
KFJF	Oklahoma City, Ok.	202.6 5000	KRLD	Dallas, Tex.	288.3 10000
KFJM	Grand Forks, N D.	218.8 100	KROW	Oakland, Calif.	322.4 500
KFJR	Portland, Or.	230.6 500	KSAC	Manhattan, Kansas	516.9 500
KFKA	Greeley, Colo.	340.7 500	KSCJ	Sioux City, Ia.	225.4 1000
KFKB	Milford, Kan.	285.5 5000	KSD	St Louis, Mo.	545.1 500
KFKU	Lawrence, Kan.	245.8 1000	KSL	Salt Lake City, Utah	265.3 5000
KFKX	Chicago, Ill.	293.9 10000	KSO	Clairinda, Ia.	217.3 500
KFLV	Rockford, Ill.	212.6 500	KSOO	Sioux Falls, S D.	270.1 2000
KFMX	Northfield, Minn.	239.9 1000	KSTP	St Paul, Minn.	205.4 10000
KFNF	Shenandoah, Ia.	336.9 500	KTAB	San Francisco, Calif.	535.4 1000
KFOX	Long Beach, Calif.	239.9 1000	KTAR	Phoenix, Ari.	483.6 500
KFPY	Spokane, Wash.	223.7 1000	KTAT	Fort Worth, Tex.	241.8 1000
KFRC	San Francisco, Calif.	491.5 1000	KTBI	Los Angeles, Calif.	230.6 1000
KFRU	Columbia, Mo.	475.9 500	KTBR	Portland, Or.	230.6 500
KFSD	San Diego, Calif.	499.7 500	KTBS	Shreveport, La.	206.8 1000
KFSG	Los Angeles, Calif.	267.7 500	KTHS	Hot Springs, Ark.	288.3 10000
KFUL	Galveston, Tex.	232.4 500	KTM	Los Angeles, Calif.	384.4 500
KFUM	Colorado Springs, Colo.	236.1 1000	KTNT	Muscateles, Ia.	256.3 5000
KFUO	Clayton, Mo.	545.1 500	KTRH	Houston, Tex.	267.7 500
KFWB	Hollywood, Calif.	315.6 1000	KTSA	San Antonio, Tex.	232.4 1000
KFWI	San Francisco, Calif.	322.4 500	KTW	Seattle, Wash.	236.1 1000
KFXF	Denver, Colo.	325.9 500	KUOA	Fayetteville, Ark.	215.7 1000
KFYR	Bismarck, N D.	545.1 500	KUSD	Vermilion, S D.	336.9 500
KGA	Spokane, Wash.	204 5000	KVI	Tacoma, Wash.	394.5 1000
KGB	San Diego, Calif.	225.4 500	KVOA	Tucson, Ari.	238 500
KGBU	Ketchikan, Alaska	331.1 500	KVOO	Tulsa, Ok.	263 5000
KGBZ	York, Neb.	322.4 500	KWJJ	Portland, Or.	282.8 500
KGEF	Los Angeles, Calif.	230.6 1000	KWK	St Louis, Mo.	222.1 1000
KGER	Long Beach, Calif.	220.4 1000	KWKH	Shreveport, La.	352.7 10000
KGGF	Picher, Ok.	296.9 500	KWSC	Pullman, Wash.	245.8 500
KGHL	Billings, Mont.	315.6 1000	KWWG	Brownsville, Tex.	238 500
KGHR	Butte, Mont.	220.4 500	KXA	Seattle, Wash.	526 500
KGNF	North Platte, Neb.	209.7 500	KYA	San Francisco, Calif.	243.8 1000
KGO	San Francisco, Calif.	379.5 7500	KYW		
KGRS	Amarillo, Tex.	212.6 1000	KFKX	Chicago, Ill.	293.9 10000
KGU	Honolulu, Hawaii	319 1000	WAAF	Chicago, Ill.	325.9 500
KGW	Portland, Or.	483.6 1000	WAAM	Newark, N J.	239.9 1000
KHJ	Los Angeles, Calif.	333.1 1000	WAAT	Jersey City, N J.	319 300
KHQ	Spokane, Wash.	508.2 1000	WAAW	Omaha, Neb.	454.3 500
KIDO	Boise, Ida.	239.9 1000	WABC		
KJF	Seattle, Wash.	309.1 5000	WBOQ	New York City	348.6 5000
KLO	Ogden, Utah	214.2 500	WABI	Bangor, Me.	249.9 100
KLRA	Little Rock, Ark.	215.7 1000	WABO	Rochester, N H.	208.2 500
KLX	Oakland, Calif.	340.7 500	WACO	Waco, Tex.	241.8 1000
KLZ	Denver, Colo.	535.4 1000	WADC	Tallmadge, O.	227.1 1000
KMA	Shenandoah, Ia.	322.4 500	WAIU	Columbus, O.	468.5 500
KMBC	Kansas City, Mo.	315.6 1000	WAPI	Birmingham, Ala.	263 5000
KMIC	Inglewood, Calif.	267.7 500	WASH	Grand Rapids, Mich.	236.1 500
KMMJ	Clay Center, Neb.	405.2 1000	WBAA	W Lafayette, Ind.	214.2 500
KMO	Tacoma, Wash.	348.6 500	WBAK	Harrisburg, Penn.	209.7 500
KMOX	St Louis, Mo.	275.1 5000	WBAL	Baltimore, Md.	282.8 10000
KMPG	Beverly Hills, Calif.	422.3 500	WBAP	Fort Worth, Tex.	374.8 10000
KMPR	Los Angeles, Calif.	526 500	WBBC	Brooklyn, N Y.	214.2 500
KNX	Hollywood, Calif.	285.5 5000	WBBM		
KOA	Denver, Colo.	361.2 12500	WBET	Chicago, Ill.	389.4 25000
KOAC	Corvallis, Or.	545.1 1000	WBFR	Brooklyn, N Y.	230.6 1000
KOB	State College, N M.	254.1 20000	WBEN	Buffalo, N Y.	333.1 1000
KOH	Reno, Nev.	217.3 500	WBCM	Bay City, Mich.	212.6 500

Call	Location	Wave	Power	Call	Location	Wave	Power
WBMS	Hackensack, N. J.	206.8	250	WHAM	Rochester, N. Y.	260.7	5000
WBNY	New York, N. Y.	221.1	250	WHAP	New York City, N. Y.	230.6	1000
WBQQ	New York	348.6	5000	WHAS	Louisville, Ky.	365.6	10000
WBRC	Birmingham, Ala.	322.4	500	WHAZ	Troy, N. Y.	230.6	500
WBSO	Wellesley Hills, Mass.	325.9	250	WHB	Kansas City, Mo.	348.6	500
WBT	Charlotte, N. C.	277.6	5000	WHDH	Boston, Mass.	361.2	1000
WBTM	Danville, Va.	218.8	100	WHDI	Minneapolis, Minn.	254.1	500
WBZ	Springfield, Mass.	302.8	15000	WHEC	Rochester, N. Y.	208.2	500
WBZA	Boston, Mass.	302.8	500	WABO	Cleveland, O.	215.7	1000
WCAC	Storrs, Conn.	499.7	250	WHK	New York City, N. Y.	296.9	250
WCAD	Canton, N. Y.	245.8	500	WHN	Des Moines, Ia.	299.8	5000
WCAE	Pittsburg, Penn.	245.8	1000	WHO	Jersey City, N. J.	206.8	250
WCAJ	Lincoln, Neb.	508.2	500	WHOM	Harrisburg, Penn.	209.7	500
WCAL	Northfield, Minn.	239.9	1000	WHP	Madison, Wis.	234.4	500
WCAM	Camden, N. J.	234.4	500	WIBA	Chicago, Ill.	535.4	1000
WCAO	Baltimore, Md.	499.7	250	WIBO	Topeka, Kan.	516.9	500
WCAP	Asbury, N. J.	234.4	500	WIBW	Utica, N. Y.	249.9	100
WCAU	Philadelphia, Penn.	256.3	10000	WIBX	Bridgeport, Conn.	252	500
WCAX	Burlington, Vt.	249.9	100	WICC	Urbana, Ill.	336.9	250
WCBD	Zion, Ill.	277.6	5000	WILL	Wilmington, Del.	211.1	100
WCCO	Minneapolis, Minn.	370.2	7500	WILM	Miami Beach, Fla.	230.6	1000
WCDA	New York City	222.1	250	WIOD	Philadelphia, Penn.	491.5	500
WCFL	Chicago, Ill.	309.1	1500	WMBF	Columbia, S. C.	296.9	500
WCGU	Brooklyn, N. Y.	214.2	500	WIP	Beloit, Wis.	535.4	500
WCKY	Covington, Ky.	201.2	5000	WIS	Norfolk, Neb.	282.8	1000
WCLB	Long Beach, N. Y.	199.9	100	WISJ	Providence, R. I.	336.9	250
WCMA	Culver, Ind.	214.2	500	WJAG	Pittsburg, Penn.	232.4	1000
WCOA	Pensacola, Fla.	223.7	500	WJAR	Jacksonville, Fla.	333.1	1000
WCOE	Meridian, Miss.	340.7	500	WJAS	Cleveland, O.	491.5	500
WCSC	Charleston, S. C.	220.4	500	WJAX	Mt Prospect, Ill.	201.2	5000
WCSH	Portland, Me.	319	1000	WJAY	Red Bank, N. J.	247.8	100
WCSO	Springfield, O.	206.8	500	WJAZ	Chicago, Ill.	389.4	25000
WDAE	Tampa, Fla.	245.8	1000	WJBI	Jackson, Miss.	236.1	500
WDAF	Kansas City, Mo.	491.5	1000	WJBT	Mooseheart, Ill.	265.3	20000
WDAG	Amarillo, Tex.	212.6	1000	WJDX	Gary, Ind.	220.4	1000
WDAJ	Fargo, N. D.	319	1000	WJDD	Detroit, Mich.	399.8	5000
WDBJ	Roanoke, Va.	322.4	250	WJKS	Alexandria, Va.	205.4	10000
WDBO	Orlando, Fla.	267.7	500	WJLR	New York City, N. Y.	394.5	30000
WDEL	Wilmington, Del.	267.7	250	WJSV	San Juan, P. R.	336.9	500
WDGY	Minneapolis, Minn.	254.1	1000	WJZ	E Lansing, Mich.	288.3	1000
WDOD	Chattanooga, Tenn.	234.4	1000	WKAQ	Laconia, N. H.	228.9	100
WDRC	New Haven, Conn.	225.4	500	WKAR	Indianapolis, Ind.	214.2	500
WDSU	New Orleans, La.	239.9	1000	WKAU	La Crosse, Wis.	217.3	1000
WDWF	Providence, R. I.	247.8	100	WKBF	Youngstown, O.	526	500
WLSI	New York, N. Y.	454.3	50000	WKBH	Jersey City, N. J.	206.8	250
WEAF	Ithaca, N. Y.	236.1	1000	WKBN	New York City, N. Y.	222.1	250
WEAI	Providence, R. I.	384.4	250	WKBO	Buffalo, N. Y.	202.6	5000
WEAN	Columbus, O.	526	750	WKBW	Cincinnati, O.	545.1	1000
WEAO	Superior, Wis.	232.4	1000	WKRC	Wky	333.1	1000
WEBC	Buffalo, N. Y.	228.9	100	WKY	Berrien Springs, Mich.	508.2	1000
WEBR	Boston, Mass.	508.2	1000	WKZO	Nashville, Tenn.	204	5000
WEEI	Chicago, Ill.	344.6	50000	WLAC	Minneapolis, Minn.	239.9	1000
WENR	Worcester	249.9	100	WLB	Stevens Point, Wis.	333.1	2000
WBCN	New York City, N. Y.	230.6	500	WGBS	Oil City, Penn.	238	500
WEFS	St Louis, Mo.	394.5	1000	WLBW	Long Island City, N. Y.	199.9	100
WEVD	Dallas, Tex.	374.8	50000	WLBX	Bangor, Me.	483.6	500
WEW	Philadelphia, Penn.	491.5	500	WLBZ	Lexington, Mass.	212.6	500
WFAA	Syracuse, N. Y.	220.4	1000	WLEX	Lexington, Mass.	218.8	100
WFAN	Indianapolis, Ind.	243.8	1000	WLEY	Chicago, Ill.	416.4	25000
WFBL	Baltimore, Md.	231	250	WLFB	Philadelphia, Penn.	535.4	500
WFDM	Philadelphia, Penn.	535.4	500	WLIT	Boston, Mass.	199.9	100
WFBR	Hopkinsville, Ky.	319	1000	WLOE	Chicago, Ill.	344.6	5000
WFI	Akron, O.	206.8	500	WLS	Providence, R. I.	247.8	100
WFIW	Clearwater, Fla.	483.6	1000	WLSI	Brooklyn, N. Y.	214.2	500
WFJC	Freeport, N. Y.	247.8	100	WLTH	Cincinnati, O.	428.3	50000
WFLA	Memphis, Tenn.	209.7	500	WLW	New York City, N. Y.	272.6	5000
WFSN	Evansville, Ind.	475.9	500	WLWL	Cazenovia, N. Y.	526	250
WGBB	Seranton, Penn.	340.7	250	WMAF	So Dartmouth, Mass.	212.6	500
WGBE	New York City	499.7	250	WMAK	Buffalo, N. Y.	288.3	1000
WGBF	Newark, N. J.	239.9	250	WMAJ	Washington, D. C.	475.9	250
WGBI	Chicago, Ill.	220.4	500	WMAQ	Chicago, Ill.	447.5	5000
WGCP	Chicago, Ill.	220.4	500	WMBA	Newport, R. I.	199.9	100
WGES	Chicago, Ill.	416.4	25000	WMBD	Peoria Heights, Ill.	208.2	500
WGN	Buffalo, N. Y.	545.1	1000	WMBF	Miami Beach, Fla.	230.6	1000
WLIB	Schenectady, N. Y.	379.5	50000	WMBI	Chicago, Ill.	277.6	5000
WGR	Madison, Wis.	319	750	WMBO	Auburn, N. Y.	228.9	100
WGY							
WHA							

Call	Location	Wave Power	Call	Location	Wave Power
WMBQ	Brooklyn, N. Y.	199.9 100	WRAX	Philadelphia, Penn.	293.9 250
WMC	Memphis, Tenn.	384.4 500	WRBX	Roanoke, Va.	212.6 250
WMCA	New York City, N. Y.	526 500	WRC	Washington, D. C.	315.6 500
WMSSG	New York City, N. Y.	222.1 250	WRDO	Augusta, Me.	218.8 100
WMT	Waterloo, Ia.	499.7 500	WRFC	} Memphis, Tenn.	499.7 500
WNAC	} Boston, Mass.	243.8 1000	WOAN		Lawrence, Kan.
WBIS		Norman, Ok.	296.9 500	WRHM	Minneapolis, Minn.
WNAD	Yankton, S. D.	526 1000	WRNY	New York City, N. Y.	296.9 250
WNBF	Binghamton, N. Y.	199.9 100	WRR	Dallas, Tex.	234.4 500
WNBH	New Bedford, Mass.	228.9 100	WRUF	Gainesville, Fla.	361.2 5000
WNBR	Memphis, Tenn.	209.7 500	WRVA	Richmond, Va.	270.1 5000
WNJ	Newark, N. J.	206.8 250	WSAI	Cincinnati, O.	225.4 500
WNOX	Knoxville, Tenn.	535.4 1000	WSAN	Allenstown, Penn.	208.2 250
WNRC	Greensboro, N. C.	208.2 500	WSAR	Fall River, Mass.	206.8 250
WNYC	New York City, N. Y.	526 500	WSAZ	Huntington, W. Va.	516.9 250
WOAI	San Antonio, Tex.	252 5000	WSB	Atlanta, Ga.	405.2 5000
WOAN	Memphis, Tenn.	499.7 500	WSBT	South Bend, Ind.	243.8 500
WOAX	Trenton, N. J.	234.4 500	WSDA	Brooklyn, N. Y.	212.2 500
WOBU	Charleston, W. Va.	516.9 250	WSFA	Montgomery, Ala.	212.6 500
WOC	Davenport, Ia.	299.8 5000	WSGH	} Brooklyn, N. Y.	214.2 500
WODA	Paterson, N. J.	239.9 1000	WSDA		Nashville, Tenn.
WODX	Mobile, Ala.	212.6 500	WSMB	New Orleans, La.	227.1 500
WOI	Ames, Ia.	468.5 5000	WSMK	Dayton, O.	217.3 200
WOKO	Poughkeepsie, N. Y.	208.2 500	WSPD	Toledo, O.	223.7 500
WOOD	Grand Rapids, Mich.	236.1 500	WSSH	Boston, Mass.	212.6 500
WOQ	Kansas City, Mo.	230.6 1000	WSUI	Iowa City, Ia.	340.7 500
WOR	Newark, N. J.	422.3 5000	WSUN	Clearwater, Fla.	483.6 1000
WORC	} Worcester, Mass.	249.9 100	WSYR	Syracuse, N. Y.	526 250
WEPS		Chicago, Ill.	201.2 5000	WTAD	Quincy, Ill.
WORD	Jefferson City, Mo.	475.9 500	WTAG	Worcester, Mass.	516.9 250
WOS	New York City, N. Y.	265.3 1000	WTAM	Cleveland, O.	280.2 5000
WOV	Omaha, Neb.	508.2 1000	WTAR	Eau Claire, Wis.	225.4 1000
WOW	Fort Wayne, Ind.	258.5 10000	WTPOR	} Norfolk, Va.	384.4 500
WOWO	New York City, N. Y.	296.9 250	WTAU		College Station, Tex.
WPAP	Pawtucket, R. I.	247.8 100	WTBO	Cumberland, Md.	211.1 100
WPCC	Chicago, Ill.	535.4 500	WTFI	Toccoa, Ga.	206.8 500
WPCH	New York City, N. Y.	370.2 500	WTIC	Hartford, Conn.	282.8 5000
WPG	Atlantic City, N. J.	272.6 5000	WTMJ	Milwaukee, Wis.	483.6 1000
WPOE	Patchogue, N. Y.	218.8 100	WTNT	Nashville, Tenn.	204 5000
WPOR	Norfolk, Va.	384.4 500	WTOC	Savannah, Ga.	238 500
WPSC	State College, Penn.	243.8 500	WWJ	Detroit, Mich.	325.9 1300
WPTF	Raleigh, N. C.	440.9 1000	WWL	New Orleans, La.	352.7 5000
WQAM	Miami, Fla.	535.4 1000	WWNC	Asheville, N. C.	526 500
WQAN	Seranton, Penn.	340.7 250	WWRL	Woodside, N. Y.	199.9 100
WQAO	} New York City, N. Y.	296.9 250	WWVA	Wheeling, W. Va.	258.5 5000
WPAP				WXYZ	Detroit, Mich.

CANADIAN BROADCASTING STATIONS

Call	Location	Wave Power	Call	Location	Wave Power
CFAC	Calgary, Alta.	434.5 500	CJRW	Fleming, Sask.	500 500
CFCA	Toronto, Ont.	357.1 500	CJRX	Middlechurch, Man.	25.6 2000
CFCF	Montreal, Que.	291.3 500	CJSC	Toronto, Ont.	434.8 5000
CFCH	Iroquois Falls, Ont.	500 250	CKAC	Near St Hyacinthe, Que.	411 5000
CFCN	Calgary, Alta.	434.5 500	CKCK	Regina, Sask.	312.5 500
CFCO	Chatham, Ont.	247.9 100	CKKL	Toronto, Ont.	517.2 500
CFCT	Victoria, B. C.	476.2 500	CKCO	Ottawa, Ont.	337.1 100
CFCY	Charlottetown, P. E. I.	312.5 250	CKGW	Bowmanville, Ont.	434.8 5000
CFQC	Saskatoon, Sask.	329.7 500	CKNC	Toronto, Ont.	517.2 500
CFRB	Township of King York County, Ont.	312.5 4000	CKUA	Edmonton, Alta.	517.2 500
CFRC	Kingston, Ont.	322.6 500	CKX	Brandon, Man.	555.6 500
CHCT	Red Deer, Alta.	357.1 1000	CKY	Winnipeg, Man.	384.6 5000
CHGS	Summerside, P. E. I.	267.9 100	CNRA	Moncton, N. B.	476.2 500
CHNS	Halifax, N. S.	322.6 500	CNRH	Halifax, N. S.	322.6 550
CHRC	Quebec, Que.	340.9 100	CNRL	London, Ont.	329.7 500
CHYC	Near St Hyacinthe, Que.	411 5000	CNRM	Montreal, Que.	411 5000
CJBC	Toronto, Ont.	434.8 5000	CNRO	Ottawa, Ont.	500 500
CJGJ	Calgary, Alta.	434.8 500	CNRT	Toronto, Ont.	357.1 500
CJGC	London, Ont.	329.7 500	CNRW	Winnipeg, Man.	384.6 5000
CJRM	Moose Jaw, Sask.	500 500	CNRX	Toronto, Ont.	312.5 4000
			CPRY	Toronto, Ont.	434.8 5000

AMERICAN BROADCASTING STATIONS

BY WAVELENGTHS AND FREQUENCIES

545.1 METERS—550 KILOCYCLES		475.0 METERS—630 KILOCYCLES	
WGR	Buffalo, N. Y.	WMAL	Washington, D. C.
WKRC	Cincinnati, O.	WOS	Jefferson City, Mo.
KFUO	Clayton, Mo.	KFRU	Columbia, Mo.
KSD	St Louis, Mo.	WGBF	Evansville, Ind.
KFDY	Brookings, S. D.		
KFYR	Bismarck, N. D.	468.5 METERS—640 KILOCYCLES	
KOAC	Corvallis, Or.	WAIU	Columbus, O.
		WOI	Ames, Ia.
		KFI	Los Angeles, Calif.
535.4 METERS—560 KILOCYCLES		461.3 METERS—650 KILOCYCLES	
WLIT	Philadelphia, Penn.	WSM	Nashville, Tenn.
WFI	Philadelphia, Penn.	KPCB	Seattle, Wash.
WQAM	Miami, Fla.	454.3 METERS—660 KILOCYCLES	
KFDM	Beaumont, Tex.	WEAF	New York City, N. Y.
WNOX	Knoxville, Tenn.	WAAW	Omaha, Neb.
WIBO	Chicago, Ill.	447.5 METERS—670 KILOCYCLES	
WPCC	Chicago, Ill.	WMAQ	Chicago, Ill.
WISJ	Beloit, Wis.	440.9 METERS—680 KILOCYCLES	
KLZ	Denver, Colo.	WPTF	Raleigh, N. C.
KTAB	San Francisco, Calif.	KFEQ	St Joseph, Mo.
		KPO	San Francisco, Calif.
526 METERS—570 KILOCYCLES		434.5 METERS—690 KILOCYCLES	
WNYC	New York City, N. Y.	CFAC	Calgary, Alta.
WMCA	New York City, N. Y.	CFCN	Calgary, Alta.
WSYR	Syracuse, N. Y.	CHCA	Calgary, Alta.
WMAC	Cazenovia, N. Y.	CJBC	Toronto, Ont.
WKBN	Youngstown, O.	CJ CJ	Calgary, Alta.
WEAO	Columbus, O.	CJCS	Toronto, Ont.
WWNC	Asheville, N. C.	CKGW	Bowmanville, Ont.
KGKO	Wichita Falls, Tex.	CNRC	Calgary, Alta.
WNAX	Yankton, S. D.	CFRY	Toronto, Ont.
KXA	Seattle, Wash.		
KMTR	Los Angeles, Calif.	428.3 METERS—700 KILOCYCLES	
516.9 METERS—580 KILOCYCLES		WLW	Cincinnati, O.
WTAG	Worcester, Mass.	422.3 METERS—710 KILOCYCLES	
WOBU	Charleston, W. Va.	WOR	Newark, N. J.
WSAZ	Huntington, W. Va.	KMPC	Beverly Hills, Calif.
KGFX	Pierre, S. D.	416.4 METERS—720 KILOCYCLES	
WIBW	Topeka, Kan.	WGN	Chicago.
KSAC	Manhattan, Kan.	WLBB	
508.2 METERS—590 KILOCYCLES		410.7 METERS—730 KILOCYCLES	
WEEL	Boston, Mass.	CHLS	Vancouver, B. C.
WZQZ	Berrien Springs, Mich.	CHYC	St Hyacinthe, Que.
WCAJ	Lincoln, Neb.	CKAK	St Hyacinthe, Que.
WOW	Omaha, Neb.	CKCD	Vancouver, B. C.
KHQ	Spokane, Wash.	CHFC	Vancouver, B. C.
499.7 METERS—600 KILOCYCLES		CKMO	Vancouver, B. C.
WCAC	Storrs, Conn.	CKWX	Vancouver, B. C.
WCAO	Baltimore, Md.	CNRM	Montreal, Que.
WGBS	New York City, N. Y.	405.2 METERS—740 KILOCYCLES	
WREC	Memphis, Tenn.	WSB	Atlanta, Ga.
WOAN		500 "	KMMJ
WMT	Waterloo, Ia.	399.8 METERS—750 KILOCYCLES	
KFSD	San Diego, Calif.	WJR	Detroit, Mich.
491.5 METERS—610 KILOCYCLES		394.5 METERS—760 KILOCYCLES	
WJAY	Cleveland, O.	WJZ	New York City, N. Y.
WFAN	Philadelphia, Penn.	WEW	St Louis, Mo.
WIP	Philadelphia, Penn.	KVI	Tacoma, Wash.
WDAF	Kansas City, Mo.		
KFRK	San Francisco, Calif.		
483.6 METERS—620 KILOCYCLES			
WLBZ	Bangor, Me.		
WFLA	Clearwater, Fla.		
WSUN		1000 "	
WTMJ	Milwaukee, Wis.		
KGW	Portland, Or.		
KTAR	Phoenix, Ari.		

389.4 METERS—770 KILOCYCLES

KFAB Lincoln, Neb. 5000 watts
 WBMM } Chicago, Ill. 25000 "
 WJBT }

384.4 METERS—780 KILOCYCLES

WEAN Providence, R I. 250 watts
 WTAR } Norfolk, Va. 500 "
 WFOR }
 WMC Memphis, Tenn. 500 "
 KELW Burbank, Calif. 500 "
 KTM Los Angeles, Calif. 500 "

379.5 METERS—790 KILOCYCLES

WGY Schenectady, N Y. 50000 watts
 KGO San Francisco, Calif. 7500 "

374.8 METERS—800 KILOCYCLES

WBAP Fort Worth, Tex. 50000 watts
 WFAA Dallas, Tex. 50000 "

370.2 METERS—810 KILOCYCLES

WPCH New York City, N Y. 500 watts
 WCCO Minneapolis, Minn. 7500 "

365.6 METERS—820 KILOCYCLES

WHAS Louisville, Ky. 10000 watts

361.2 METERS—830 KILOCYCLES

WHDH Boston, Mass. 1000 watts
 WRUF Gainesville, Fla. 5000 "
 KOA Denver, Colo. 12500 "

356.9 METERS—840 KILOCYCLES

CFCA Toronto, Ont. 500 watts
 CHTC Red Deer, Alta. 1000 "
 CKLC Red Deer, Alta. 1000 "
 CNRD Red Deer, Alta. 1000 "
 CNRT Toronto, Ont. 500 "

352.7 METERS—850 KILOCYCLES

KWKH Shreveport, La. 10000 watts
 WWL New Orleans, La. 5000 "

348.6 METERS—860 KILOCYCLES

WABC } New York City. 5000 watts
 WBOQ }
 WHB Kansas City, Mo. 500 "
 KMO Tacoma, Wash. 500 "

344.6 METERS—870 KILOCYCLES

WLS Chicago, Ill. 5000 watts
 WENR } Chicago, Ill. 50000 "
 WBCN }

340.7 METERS—880 KILOCYCLES

WGBI Scranton, Penn. 250 watts
 WQAN Scranton, Penn. 250 "
 WCOG Meridian, Miss. 500 "
 WSUI Iowa City, Iowa. 500 "
 KIX Oakland, Calif. 500 "
 KPOF Denver, Colo. 500 "
 KFKA Greeley, Colo. 500 "

336.9 METERS—890 KILOCYCLES

WJAR Providence, R I. 250 watts
 WKAQ San Juan, P R. 500 "
 WMMN Fairmont, W Va. 250 "
 WMAZ Macon, Ga. 250 "
 WGST Atlanta, Ga. 250 "
 KGJF Little Rock, Ark. 250 "
 WILL Urbana, Ill. 250 "
 KUSD Vermilion, S D. 500 "
 KFNF Shenandoah, Iowa. 500 "

333.1 METERS—900 KILOCYCLES

WBEN Buffalo, N Y. 1000 watts
 WKY Oklahoma City, Ok. 1000 "
 WJAX Jacksonville, Fla. 1000 "
 WLBL Stevens Point, Wis. 2000 "
 KHJ Los Angeles, Calif. 1000 "
 KSEI Pocatello, Idaho. 250 "
 KGBU Ketchikan, Alaska. 500 "

329.5 METERS—910 KILOCYCLES

CFQC Saskatoon, Sask. 500 watts
 CJGC London, Ont. 500 "
 CNRL London, Ont. 500 "
 CNRS Saskatoon, Sask. 500 "

325.9 METERS—920 KILOCYCLES

WBSO Wellesley Hills, Mass. 250 watts
 WWJ Detroit, Mich. 1000 "
 KPRC Houston, Tex. 1000 "
 WAAF Chicago, Ill. 500 "
 KOMO Seattle, Wash. 1000 "
 KFEL Denver, Colo. 500 "
 KFXF Denver, Colo. 500 "

322.4 METERS—930 KILOCYCLES

WDBJ Roanoke, Va. 250 watts
 WBRC Birmingham, Ala. 500 "
 KGBZ York, Neb. 500 "
 KMA Shenandoah, Iowa. 500 "
 KFWI San Francisco, Calif. 500 "
 KROW Oakland, Calif. 500 "

319 METERS—940 KILOCYCLES

WAAT Jersey City, N J. 300 watts
 WCSH Portland, Me. 1000 "
 WFIW Hopkinsville, Ky. 1000 "
 WHA Madison, Wis. 750 "
 WDAY Fargo, N D. 1000 "
 KOIN Portland, Or. 1000 "
 KGU Honolulu, T H. 1000 "

315.6 METERS—950 KILOCYCLES

WRC Washington, D C. 500 watts
 KMBC Kansas City, Mo. 1000 "
 KFVB Hollywood, Calif. 1000 "
 KGHL Billings, Mont. 500 "

312.3 METERS—960 KILOCYCLES

CFCY Charlottetown, P E I. 250 watts
 CFRB Township of King, York County, Ont. 4000 "
 CHCK Charlottetown, P E I. 30 "
 CHWC Range 18 (near Pilot Butte, Sask.) 500 "
 CJBR Regina, Sask. 500 "
 CKCK Regina, Sask. 500 "
 CNRR Regina, Sask. 500 "
 CNRX Toronto, Ont. 4000 "

309.1 METERS—970 KILOCYCLES

WCFL Chicago, Ill. 1500 watts
 KJR Seattle, Wash. 5000 "

305.9 METERS—980 KILOCYCLES

KDKA Pittsburg, Penn. 50000 watts

302.8 METERS—990 KILOCYCLES

WBZ Springfield, Mass. 15000 watts
 WBZA Boston, Mass. 500 "

299.8 METERS—1000 KILOCYCLES

WHO Des Moines, Iowa. 5000 watts
 WOC Davenport, Iowa. 5000 "
 KFVD Culver City, Calif. 250 "

296.9 METERS—1010 KILOCYCLES	258.5 METERS—1160 KILOCYCLES
WQAO New York, N. Y. 250 watts	WWVA Wheeling, W. Va. 5000 watts
WPAP New York, N. Y. 250 "	WOWO Fort Wayne, Ind. 10000 "
WHN New York, N. Y. 250 "	256.3 METERS—1170 KILOCYCLES
WRNY New York, N. Y. 250 "	WCAU Philadelphia, Penn. 10000 watts
KGGF Picher, Ok. 500 "	KTNT Muscatine, Iowa. 5000 "
WNAD Norman, Ok. 500 "	254.1 METERS—1180 KILOCYCLES
WIS Columbia, S. C. 500 "	WDGY Minneapolis, Minn. 1000 watts
KQW San Jose, Calif. 500 "	WHDI Minneapolis, Minn. 500 "
293.9 METERS—1020 KILOCYCLES	KEX Portland, Or. 5000 "
WRAX Philadelphia, Penn. 250 watts	KOB State College, N. M. 20000 "
KYW Chicago, Ill. 10000 "	252 METERS—1190 KILOCYCLES
KFKZ Chicago, Ill. 10000 "	WICC Bridgeport, Conn. 500 watts
291.1 METERS—1030 KILOCYCLES	WOAI San Antonio, Tex. 5000 "
CFCF Montreal, Que. 500 watts	249.9 METERS—1200 KILOCYCLES
CNRF Vancouver, B. C. 500 "	WABI Bangor, Me. 100 watts
288.3 METERS—1040 KILOCYCLES	WCAX Burlington, Vt. 100 "
WMAK Buffalo, N. Y. 1000 watts	WORC Worcester, Mass. 100 "
WKAR East Lansing, Mich. 1000 "	WBX Utica, N. Y. 100 "
KTHS Hot Springs, Ark. 10000 "	WFBE Cincinnati, Ohio. 100 "
KRLD Dallas, Tex. 10000 "	WEHC Emory, Va. 100 "
285.5 METERS—1050 KILOCYCLES	WLBG Petersburg, Va. 100 "
KFKB Milford, Kan. 5000 watts	WNBO Silver Haven, Penn. 100 "
KNX Hollywood, Calif. 5000 "	WCOD Harrisburg, Penn. 100 "
282.8 METERS—1060 KILOCYCLES	WKJC Lancaster, Penn. 100 "
WBAL Baltimore, Md. 10000 watts	WABZ New Orleans, La. 100 "
WTIC Hartford, Conn. 50000 "	WBZ Ponca City, Ok. 100 "
WJAG Norfolk, Neb. 1000 "	KGHI Little Rock, Ark. 100 "
KWJJ Portland, Or. 500 "	KBTM Paragould, Ark. 100 "
280.2 METERS—1070 KILOCYCLES	WJBC LaSalle, Ill. 100 "
WTAM Cleveland, Ohio. 50000 watts	WJBL Decatur, Ill. 100 "
WCAZ Carthage, Ill. 50 "	WWAE Hammond, Ind. 100 "
WDZ Tuscola, Ill. 100 "	WRAF Laporte, Ind. 100 "
KJBS San Francisco, Calif. 100 "	KFJB Marshalltown, Iowa. 100 "
277.6 METERS—1080 KILOCYCLES	KGCU Mandan, N. D. 100 "
WBT Charlotte, N. C. 5000 watts	WCAT Rapid City, S. D. 100 "
WCHD Zion, Ill. 5000 "	KFWF St. Louis, Mo. 100 "
WMBI Chicago, Ill. 5000 "	KGDE Fergus Falls, Minn. 100 "
275.1 METERS—1090 KILOCYCLES	WCLO Kenosha, Wis. 100 "
KMOX St. Louis, Mo. 5000 watts	WBHY Green Bay, Wis. 100 "
272.6 METERS—1100 KILOCYCLES	WIL St. Louis, Mo. 100 "
WPG Atlantic City, N. J. 5000 watts	WMAY St. Louis, Mo. 100 "
WLWL New York City. 5000 "	KGJF Los Angeles, Calif. 100 "
KGDM Stockton, Calif. 250 "	KXO El Centro, Calif. 100 "
270.1 METERS—1110 KILOCYCLES	KSMR Santa Maria, Calif. 100 "
WRVA Richmond, Va. 5000 watts	KWG Stockton, Calif. 100 "
KSOO Sioux Falls, S. D. 2000 "	KGEK Yuma, Colo. 50 "
267.7 METERS—1120 KILOCYCLES	KGEW Fort Morgan, Colo. 100 "
WISN Milwaukee, Wis. 250 watts	KVOS Bellingham, Wash. 100 "
WHAD Milwaukee, Wis. 250 "	247.8 METERS—1210 KILOCYCLES
KFSG Los Angeles, Calif. 500 "	WJBI Redbank, N. J. 100 watts
WDEL Wilmington, Del. 250 "	WGBB Freeport, N. Y. 100 "
WDBO Orlando, Fla. 500 "	WCOH Yonkers, N. Y. 100 "
WTAW College Station, Tex. 500 "	WPAW Pawtucket, R. I. 100 "
KTRH Houston, Tex. 500 "	WDWF Providence, R. I. 100 "
KMIC Inglewood, Calif. 500 "	WLSI Mansfield, Ohio. 100 "
KFTO Spokane, Wash. 100 "	WJW Zanesville, Ohio. 100 "
265.3 METERS—1130 KILOCYCLES	WALR Wilkesbarre, Penn. 100 "
WOV New York City. 1000 watts	WJBU Lewisburg, Penn. 100 "
WJJD Mooseheart, Ill. 20000 "	WBBL Richmond, Va. 100 "
KSL Salt Lake City, Utah. 5000 "	WMBG Richmond, Va. 100 "
263 METERS—1140 KILOCYCLES	WSIX Springfield, Tenn. 100 "
WAPI Birmingham, Ala. 5000 watts	WRBU Gastonia, N. C. 100 "
KVOO Tulsa, Ok. 5000 "	KGMP Elk City, Ok. 100 "
260.7 METERS—1150 KILOCYCLES	WRBQ Greenville, Miss. 250 "
WHAM Rochester, N. Y. 5000 watts	WGCM Gulfport, Miss. 100 "
	KWEA Shreveport, La. 100 "
	KDLR Devils Lake, N. D. 100 "
	KGOR Watertown, S. D. 100 "
	KFOR Lincoln, Neb. 100 "
	WHBU Anderson, Ind. 100 "
	KFVS Cape Girardeau, Mo. 100 "
	WEBQ Harrisburg, Ill. 100 "

247.8 METERS—1210 KILOCYCLES		
KGNO	Dodge City, Kan	100 watts
WSBC	Chicago, Ill	100 "
WCRW	Chicago, Ill	100 "
WEDC	Chicago, Ill	100 "
WCBS	Springfield, Ill	100 "
WBFB	Rock Island, Ill	100 "
WOMT	Manitowoc, Wis	100 "
KMJ	Fresno, Calif	100 "
KFXM	San Bernardino, Calif	100 "
KDFN	Casper, Wyo	100 "
245.8 METERS—1220 KILOCYCLES		
WCAD	Canton, N Y	500 watts
WDAE	Tampa, Fla	1000 "
WCAE	Pittsburg, Penn	1000 "
WREN	Lawrence, Kan	1000 "
KFKU	Lawrence, Kan	1000 "
KWSC	Pullman, Wash	500 "
243.8 METERS—1230 KILOCYCLES		
WNAC	Boston, Mass	1000 watts
WBIS		
WPSC	State College, Penn	500 "
WSBT	South Bend, Ind	500 "
WFBM	Indianapolis, Ind	1000 "
KGGM	Albuquerque, N M	250 "
KYA	San Francisco, Calif	1000 "
KFQD	Anchorage, Alaska	100 "
241.8 METERS—1240 KILOCYCLES		
WXYZ	Detroit, Mich	1000 watts
KTAT	Fort Worth, Tex	1000 "
WACO	Waco, Tex	1000 "
239.9 METERS—1250 KILOCYCLES		
WGCP	Newark, N J	250 watts
WODA	Paterson, N J	1000 "
WAAM	Newark, N J	1900 "
WDSU	New Orleans, La	1000 "
WLB	Minneapolis, Minn	1000 "
WGMS		
WRHM	Minneapolis, Minn	1000 "
KEMX	Northfield, Minn	1000 "
WCAL	Northfield, Minn	1000 "
KFOX	Long Beach, Calif	1000 "
KIDO	Boise, Idaho	1000 "
238 METERS—1260 KILOCYCLES		
WLBW	Oil City, Penn	500 watts
KWWG	Brownsville, Tex	500 "
WTOC	Savannah, Ga	500 "
KRGV	Harlingen, Tex	500 "
KOIL	Council Bluffs, Ia	1000 "
KVOA	Tucson, Ari	500 "
238.1 METERS—1270 KILOCYCLES		
WEAI	Ithaca, N Y	1000 watts
WFBR	Baltimore, Md	250 "
WASH	Grand Rapids, Mich	500 "
WOOD	Grand Rapids, Mich	500 "
WJDX	Jackson, Miss	500 "
KWLK	Decorah, Iowa	100 "
EGCA	Decorah, Iowa	50 "
KTW	Seattle, Wash	1000 "
KOL	Seattle, Wash	1000 "
KFUM	Colorado Springs, Colo	1000 "
234.4 METERS—1280 KILOCYCLES		
WCAM	Camden, N J	500 watts
WCAP	Asbury Park, N J	500 "
WOAX	Trenton, N J	500 "
WDOD	Chattanooga, Tenn	1000 "
WRR	Dallas, Tex	500 "
KFBB	Great Falls, Mont	1000 "
WIBA	Madison, Wis	500 "
232.4 METERS—1290 KILOCYCLES		
WJAS	Pittsburg, Penn	1000 watts
KTSA	San Antonio, Tex	1000 "

232.4 METERS—1290 KILOCYCLES		
KFUL	Galveston, Tex	500 watts
WEBC	Superior, Wis	1000 "
KDYL	Salt Lake City, Utah	1000 "
230.6 METERS—1300 KILOCYCLES		
WBRR	Brooklyn, N Y	1000 watts
WHAP	New York, N Y	1000 "
WEVD	New York, N Y	500 "
WHAZ	Troy, N Y	500 "
WIOD	Miami Beach, Fla	1000 "
WMBF		
KFH	Wichita, Kan	1000 "
WOQ	Kansas City, Mo	1000 "
KGEF	Los Angeles, Calif	1000 "
KTBI	Los Angeles, Calif	1000 "
KFJR	Portland, Or	500 "
KTBR	Portland, Or	500 "
228.9 METERS—1310 KILOCYCLES		
WKAV	Laconia, N H	100 watts
WEBR	Newburyport, Mass	100 "
WMBO	Auburn, N Y	100 "
WNBH	New Bedford, Mass	100 "
WOL	Washington, D C	100 "
WGH	Newport News, Va	100 "
WFDF	Flint, Mich	100 "
WHAT	Philadelphia, Penn	100 "
WJAC	Johnstown, Penn	100 "
WFBG	Altoona, Penn	100 "
WGAL	Lancaster, Penn	100 "
WSAJ	Grove City, Penn	100 "
WBRE	Wilkesbarre, Penn	100 "
WKBC	Birmingham, Ala	100 "
WOBT	Union City, Tenn	100 "
KTSL	Shreveport, La	100 "
WSJS	Winston-Salem, N C	100 "
KTLC	Houston, Tex	100 "
KTSM	El Paso, Tex	100 "
WDAH	El Paso, Tex	100 "
KFPL	Dublin, Tex	100 "
KFXR	Oklahoma City, Ok	100 "
WKBS	Galesburg, Ill	100 "
WCLS	Joliet, Ill	100 "
WKBB	Joliet, Ill	100 "
KWCR	Cedar Rapids, Iowa	100 "
KFYJ	Fort Dodge, Iowa	100 "
KFGQ	Boone, Iowa	100 "
KGFV	Ravenna, Neb	100 "
WBOW	Terre Haute, Ind	100 "
KGBX	St Joseph, Mo	100 "
WBUR	Poynette, Wis	100 "
KFBK	Sacramento, Calif	100 "
KCRJ	Jerome, Ari	100 "
KGCX	Wolf Point, Mont	100 "
KGEZ	Kalispell, Mont	100 "
KFUP	Denver, Colo	100 "
227.1 METERS—1320 KILOCYCLES		
WADC	Tallmadge, Ohio	1000 watts
WSMB	New Orleans, La	500 "
KGIQ	Twin Falls, Ida	250 "
KID	Idaho Falls, Ida	250 "
EGHF	Pueblo, Colo	250 "
KGMB	Honolulu, Hawaii	500 "
225.4 METERS—1330 KILOCYCLES		
WDRC	New Haven, Conn	500 watts
WSAI	Cincinnati, Ohio	500 "
WTAQ	Eau Claire, Wis	1000 "
KSCJ	Sioux City, Iowa	1000 "
KGB	San Diego, Calif	250 "
223.7 METERS—1340 KILOCYCLES		
WSPD	Toledo, Ohio	500 watts
WCOA	Pensacola, Fla	500 "
KFPY	Spokane, Wash	1000 "

222.1 METERS—1350 KILOCYCLES

WBNY	New York, N. Y.	250 watts
WMSG	New York, N. Y.	250 "
WCDA	New York, N. Y.	250 "
WBQB	New York, N. Y.	250 "
KWK	St Louis, Mo.	1000 "

220.4 METERS—1360 KILOCYCLES

WFBL	Syracuse, N. Y.	1000 watts
WQBC	Viicksburg, Miss.	300 "
WJKS	Gary, Ind.	1000 "
WGES	Chicago, Ill.	500 "
KGIR	Butte, Mont.	500 "
KGER	Long Beach, Calif.	1000 "
KPSN	Pasadena, Calif.	1000 "
WCSC	Charleston, S. C.	500 "

218.8 METERS—1370 KILOCYCLES

WRDO	Augusta, Me.	100 watts
WLEY	Lexington, Mass.	100 "
WPOE	Patchogue, N. Y.	100 "
WCBM	Baltimore, Md.	100 "
WBTM	Danville, Va.	100 "
WLVA	Lynchburg, Va.	100 "
WHBD	Mt Orab, Ohio	100 "
WHDF	Calumet, Mich.	100 "
WIBM	Jackson, Mich.	100 "
WELK	Philadelphia, Penn.	100 "
WFDV	Rome, Ga.	100 "
WHBQ	Memphis, Tenn.	100 "
WRBT	Wilmington, N. C.	100 "
KGFG	Oklahoma City, Ok.	100 "
KCRC	Enid, Ok.	100 "
WMBR	Tampa, Fla.	100 "
KGCI	San Antonio, Tex.	100 "
KFJZ	Fort Worth, Tex.	100 "
KONO	San Antonio, Tex.	100 "
KGKL	San Angelo, Tex.	100 "
KFLX	Galveston, Tex.	100 "
WGL	Fort Wayne, Ind.	100 "
KGDA	Mitchell, S. D.	100 "
KFJM	Grand Forks, N. D.	100 "
KWKC	Kansas City, Mo.	100 "
WRJN	Racine, Wis.	100 "
KGAR	Tucson, Ariz.	100 "
KRE	Berkeley, Calif.	100 "
KZM	Hayward, Calif.	100 "
KOOS	Marshfield, Or.	100 "
KVL	Seattle, Wash.	100 "
KFJI	Astoria, Or.	100 "

217.3 METERS—1380 KILOCYCLES

WSMK	Dayton, Ohio	200 watts
KQV	Pittsburg, Penn.	500 "
KSO	Clarinda, Ia.	500 "
WBBH	LaCrosse, Wis.	1000 "
KOH	Reno, Nev.	500 "

215.7 METERS—1390 KILOCYCLES

WHK	Cleveland, Ohio	1000 watts
KLRA	Little Rock, Ark.	1000 "
KUOA	Fayetteville, Ark.	1000 "
KOY	Phoenix, Ariz.	500 "

214.2 METERS—1400 KILOCYCLES

WCGU	Brooklyn, N. Y.	500 watts
WSGH	Brooklyn, N. Y.	500 "
WSDA	Brooklyn, N. Y.	500 "
WLTH	Brooklyn, N. Y.	500 "
WBCB	Brooklyn, N. Y.	500 "
KOCW	Chickasha, Ok.	250 "
WCMA	Culver, Ind.	500 "
WKBF	Indianapolis, Ind.	500 "
WBAA	W Lafayette, Ind.	500 "
KLO	Ogden, Utah	500 "

212.6 METERS—1410 KILOCYCLES

WLEX	Lexington, Mass.	500 watts
WMAF	S Dartmouth, Mass.	500 "
WSSH	Boston, Mass.	500 "
WRBX	Roanoke, Va.	250 "

212.6 METERS—1410 KILOCYCLES

WBCM	Bay City, Mich.	500 watts
KGRS	Amarillo, Tex.	1000 "
WDAG	Amarillo, Tex.	250 "
WODX	Mobile, Ala.	500 "
WSFA	Montgomery, Ala.	500 "
KFLV	Rockford, Ill.	500 "
WHEB	Sheboygan, Wis.	500 "

211.1 METERS—1420 KILOCYCLES

WTBO	Cumberland, Md.	100 watts
WILM	Wilmington, Del.	100 "
WPAD	Paducah, Ky.	100 "
WMBC	Detroit, Mich.	100 "
WHIS	Bluefield, W. Va.	100 "
WFDW	Talladega, Ala.	100 "
WJBO	New Orleans, La.	100 "
KGFF	Alva, Ok.	100 "
KTAP	San Antonio, Tex.	100 "
KTUE	Houston, Tex.	100 "
KFYO	Abilene, Tex.	100 "
WSPA	Spartansburg, S. C.	100 "
KICK	Red Oak, Iowa	100 "
WIAS	Ottumwa, Iowa	100 "
WLBF	Kansas City, Kan.	100 "
WMBH	Joplin, Mo.	100 "
KLPM	Minot, N. D.	100 "
WEHS	Evanston, Ill.	100 "
WHFC	Cicero, Ill.	100 "
KFIZ	Fond du Lac, Wis.	100 "
KFFY	Flagstaff, Ariz.	100 "
KGIX	Las Vegas, Nev.	100 "
KFQU	Holy City, Calif.	100 "
KGIW	Trinidad, Colo.	100 "
KGKX	Sandpoint, Ida.	100 "
KGCC	San Francisco, Calif.	100 "
KXL	Portland, Or.	100 "
KBPS	Portland, Or.	100 "
KORE	Eugene, Or.	100 "
KFQW	Seattle, Wash.	100 "

209.7 METERS—1430 KILOCYCLES

WHP	Harrisburg, Penn.	500 watts
WBAK	Harrisburg, Penn.	500 "
WCAH	Columbus, Ohio	500 "
WGBC	Memphis, Tenn.	500 "
WNBR	Memphis, Tenn.	500 "
KGNF	North Platte, Neb.	500 "
KECA	Los Angeles, Calif.	1000 "

208.2 METERS—1440 KILOCYCLES

WHEC	Rochester, N. Y.	500 watts
WABO	Rochester, N. Y.	500 "
WOKO	Poughkeepsie, N. Y.	500 "
WCBA	Allentown, Penn.	250 "
WSAN	Allentown, Penn.	250 "
WNRC	Greensboro, N. C.	500 "
WTAD	Quincy, Ill.	500 "
WMBD	Peoria Heights, Ill.	500 "
KLS	Oakland, Calif.	250 "

206.8 METERS—1450 KILOCYCLES

WBMS	Hackensack, N. J.	250 watts
WNJ	Newark, N. J.	250 "
WHOM	Jersey City, N. J.	250 "
WKBO	Jersey City, N. J.	250 "
WSAR	Fall River, Mass.	250 "
WFJC	Akron, Ohio	500 "
WCSS	Springfield, Ohio	500 "
WTFI	Toccoa, Ga.	500 "
KTBS	Shreveport, La.	1000 "

205.4 METERS—1460 KILOCYCLES

WJSV	Alexandria, Va.	10000 watts
KSTP	St Paul, Minn.	10000 "

204 METERS—1470 KILOCYCLES

WLAC	Nashville, Tenn.	5000 watts
WTNT	Nashville, Tenn.	5000 "
KGA	Spokane, Wash.	5000 "

202.6 METERS—1480 KILOCYCLES		199.9 METERS—1500 KILOCYCLES	
WKBW	Buffalo, N Y..... 5000 watts	WWRL	Woodside, N Y..... 100 watts
KFJF	Oklahoma City, Ok... 5000 "	WMPC	Lapeer, Mich..... 100 "
201.2 METERS—1490 KILOCYCLES		WPEN	Philadelphia, Penn... 100 "
WCKY	Covington, Ky..... 5000 watts	WMBJ	Wilkinsburg, Penn... 100 "
WJAZ	Mt Prospect, Ill..... 5000 "	WOPI	Bristol, Tenn..... 100 "
WORD	Chicago, Ill..... 5000 "	WQDV	Tupelo, Miss..... 100 "
KPWF	Los Angeles, Calif.... 5000 "	WRDW	Augusta, Ga..... 100 "
199.9 METERS—1500 KILOCYCLES		KGFI	Corpus Christi, Tex... 100 "
WMBA	Newport, R I..... 100 watts	KUT	Austin, Tex..... 100 "
WLOE	Boston, Mass..... 100 "	KGKB	Brownwood, Tex..... 100 "
WNBF	Binghamton, N Y..... 100 "	KGKY	Scottsbluff, Neb..... 100 "
WMBQ	Brooklyn, N Y..... 100 "	WKBV	Connersville, Ind..... 100 "
WCLB	Long Beach, N Y..... 100 "	KPJM	Prescott, Ari..... 100 "
WLBX	Long Island City, N Y. 100 "	KDB	Santa Barbara, Calif... 100 "
		KREG	Santa Ana, Calif..... 100 "
		KUJ	Long View, Wash..... 100 "

HINTS ON TUNING SHORT WAVES

Short wave stations may not be tuned with the same ease as regular broadcasting stations. Greater care must be exercised in the manipulation of the set dial and the set volume control to pick up a program. Since most of the short wave sets are of the nonradiating type, there is no harm in the practice, and it is an advantage for the beginner to tune for stations with the set in oscillation. This condition exists if the set produces a squeal when a short wave station is intercepted.

The pitch of the squeal may be varied up or down the scale by varying the set controls and the object is to attain that point in tuning where the squeal descends in pitch until it is inaudible except if the controls are varied slightly in either direction. When this adjustment of the set has been attained the broadcast should become audible. By careful manipulation of the controls it will be possible after a little practice to gradually take the set out of oscillation without entirely losing the program. Music and voice will be less distorted when the set is operated in nonoscillating condition.

There are certain hours, day and night, which seem best for the reception of certain short waves. For example, from daybreak until about 2 P. M. stations on 14 to 20 meters will be heard best. After dark stations on these wave lengths are practically impossible to receive. From noon until 10 P. M. a great many stations in Europe, which is to the east of us, may be heard operating on 20 to 33 meters. On the other hand, stations to the west of us using similar waves will be best heard between 10 P. M. and daybreak. During the evening hours stations on 33 to 75 meters tune in readily. Darkness seems to aid reception on these waves. On waves of 80 meters and above there is less variation between daylight and night reception.

Visual broadcasting stations in the United States engaged in transmitting experimental television programs will be found on waves between 101.7 meters and 150 meters. In tuning for these stations the short wave receiver should be operated without oscillation to avoid distortion of the received image. Visual programs are audible on the loud speaker and are recognized by a characteristic vibrating note of high musical pitch. In order to make such signals visible it is necessary to instal special television receiving apparatus.

Short Wave Broadcasting Stations of the World

Wave	Call	Location	Time
13.93	W8XX	E Pittsburg, Penn	Relays KDKA
13.95	W3XAL	Bound Brook, N J	Relays WJZ
13.95	W9XF	Downer's Grove, Ill	Irregular
13.95	W6XAL	Westminster, Calif.	Time unknown
13.98	W2XAL	Coytesville, N J	Variable
14.15	LSN	Buenos Aires, Arg	10 am-2 pm
14.55	PMB	Bandoeng, Java	Mon, Wed, Thur, Sat, 5:40-10:40 am
15.02	LSG	Buenos Aires, Arg	10 am-2 pm
15.53	VK2ME	Sydney, Australia	2 pm-5 pm
15.55	FTM	St Assise, France	10 am-2 pm
15.93	PLE	Bandoeng, Java	Tues, Fri, 5:40-10:40 am
16.11	GBU _j	Rugby, Eng	6 am-2 pm
16.33	PKK	Kootwijk, Holland	6 am-9 am
16.38	GBS	Rugby, Eng	6 am-2 pm
16.44	FRE	St Assise, France	11 am-12 m
16.52	CGA	Drummondville, Can	6 am-2 pm
16.54	GBW	Rugby, Eng	6 am-2 pm
16.57	GBK	Bodmin, Eng	6 am-2 pm
16.82	PCV	Kootwijk, Holland	6 am-9 am
16.87	W8XX	E Pittsburg, Penn	Relays KDKA
16.87	W3XAL	Bound Brook, N J	Relays WJZ
16.87	W9XAA	Chicago, Ill	Time unknown
17.12	G2GN	SS Olympic	7 am-2 pm
17.12	G2IV	SS Majestic	7 am-2 pm
18.00	LSN	Buenos Aires, Arg	2-8 pm
18.52	FZR	Saigon, Indo-China	11-12 noon
18.56	GBX	Rugby, Eng	4 pm-11 pm
18.82	PLG	Bandoeng, Java	6 am-9 am
19.56	W2XAD	Schenectady, N Y	Daily, 5:10-8 pm, Sun 2-3 pm
19.63	W2XE	Jamaica, Long Island, N Y	Relays WABC
19.67	W2XAL	Coytesville, N J	Variable
19.67	W6XAL	Westminster, Calif	Time unknown
19.72	W3XR	E Pittsburg, Penn	Wed, Sat, 7-11 am
19.83	W3XAL	Bound Brook, N J	Relays WJZ
20.71	GBW	Rugby, Eng	1 pm-4 pm
20.79	VPD	Suva, Fiji Islands	3 am-5 am
20.92	G2NM	Sonning-on-Thames, Eng	Sun, 12:30-2 pm
22.00	LSN	Buenos Aires, Arg	2 pm-5 pm
22.52	G2GN	SS Olympic	Irregular
22.52	G2IV	SS Majestic	Irregular
24.23	G2GL	SS Homeric	Afternoons, irregular
24.41	GBU	Rugby, Eng	2 pm-7 pm
24.46	FTN	St Assise, France	11 am-12 noon
24.62	GBS	Rugby, Eng	2 pm-7 pm
24.92	FZR	Saigon, Indo-China	11 am-12 noon
25.00	KIO	Kauhuku, Oahu	Irregular, 2 pm-8 pm
25.12	3RO	Rome, Italy	Irregular, tests
25.25	W8XX	E Pittsburg, Penn	Daily, 11 am-9 pm
25.34	W9XAA	Chicago, Ill	Time unknown
25.34	W2XE	Jamaica, Long Island, N Y	Relays WABC
25.36	K1XR	Manila, P I	Irregular, 1 am-9 am
25.42	W2XAL	Coytesville, N J	Variable
25.42	W9XF	Downer's Grove, Ill	Irregular
25.53	G5SW	Chelmsford, Eng	Mon to Fri, 6:30-7:30 am; 1-6 pm
25.60	W3XAL	Bound Brook, N J	Relays WJZ
25.62	CJRX	Winnipeg, Can	5:30-8:30 pm Tues, Thur. Sat 10:30
26.12	K1XR	Manila, P I	Irregular, 4 am-6 am
26.22	DHC	Nauen, Ger	Irregular, 7 pm-9 pm
26.72	IBDK	Yacht Elettra	Irregular, 3 pm-7 pm
28.00	GBP	Rugby, Eng	Irregular
28.52	VK2ME	Sydney, Australia	1 am-7 am
28.82	KES	Bolinas, Calif	Irregular, 2-8 pm
29.52	HS2PJ	Bangkok, Siam	Tues, Fri, Sun 8 am-11 am
30.15	GBU	Rugby, Eng	5 pm-11 pm
30.32	LSN	Buenos Aires, Arg	6 pm-10 pm
30.62	GBW	Rugby, Eng	5 pm-10 pm
30.88	NRH	Heredia, Costa Rica	9-10 pm
31.28	W3XAU	Byberry, Penn	Time unknown
31.32	K1XR	Manila, P I	Irregular, 2 am-9 am
31.33	PCJ	Eindhoven, Holland	Thur 1-3 and 6-10 pm. Fri 1-3 and 7-12 pm
31.34	W3XAU	Philadelphia, Penn	8 am-4 pm

Short Wave Broadcasting Stations of the World

(Continued)

Wave	Call	Location	Time
31.35	W8XK	E Pittsburg, Penn	Relays KDKA
31.35	W1XAZ	E Springfield, Mass	Relays WBZ
31.35	W3XAL	Bound Brook, N J	Relays WJZ
31.48	W2XAF	Schenectady, N Y	Daily, 7-10 pm
32.12	CGA	Drummondville, Can	6 pm-6 am
32.42	GBK	Bodmin, Eng	6 pm-6 am
33.25	GBS	Rugby, Eng	6 pm-6 am
34.12	G2GN	SS Olympic	Irregular
34.12	G2IV	SS Majestic	Irregular
35.52	WSBN	SS Leviathan	Irregular, evenings
36.00	G2AA	Rugby, Eng	6 pm-6 am
39.72	HKF	Bogota, Colombia	9:15-11:30 pm, irregular
42.92	GBS	Rugby, Eng	6 pm-6 am
44.62	VRY	Georgetown, Brit Guiana	Wed 7:15-9 pm, Sun 5:45-9 pm
48.32	HKC	Bogota, Colombia	9:45 pm-11:30 pm
48.86	W8XK	Pittsburg, Penn	Wed, Sat, 5-11 pm
49.02	W2XE	New York	8 am-12 pm
49.18	W3XAL	Bound Brook, N J	5-6 and 10-12 pm
49.22	VE9GW	Bowmanville, Can	5:45-11 am and 3-11 pm
49.32	HS2FJ	Bangkok, Slam	6-6:30 am
49.34	W9XAA	Chicago, Ill	12-1, 9-10 and 11-12:45 pm
49.51	W8XAL	Cincinnati, O	Relays WLW
49.53	W3XAU	Philadelphia, Penn	4 pm-11 pm
49.67	W2XAL	Coytesville, N J	Variable
49.67	W9XAQ	Addison, Ill	Relays WGN
49.72	W2XAL	Pointville, N J	Irregular, 9-11 pm
49.83	W9XF	Chicago, Ill	3:30-7 and 8:30 pm to 1 am
49.84	W2XBR	New York	Irregular
49.95	HRB	Tegucigalpa, Honduras	Mon, Wed, Fri, Sat 9-12 pm
52.72		Airport Stations wave	Variable
62.72	UZA	Drummondville, Can	Irregular
63.12	G2GL	SS Homeric	3 pm-10 pm
65.00	KIO	Kauhuku, Oahu	Irregular, 2 pm-8 pm
65.12	WSBN	SS Leviathan	Irregular
70.12	RA97	Khabarovsk, USSR	4 am-9 am
72.72	G2GN	SS Olympic	Irregular
72.72	G2IV	SS Majestic	Irregular
95.42		Airport stations wave	Variable
130	DDDX	SS Bremen	Irregular
130	DDDX	SS Europa	Irregular

Visual Broadcasting Stations

2000-2100 Kilocycles (150 Meters)			2100-2200 Kilocycles (142.86 Meters)		
Call	Location	Watts	Call	Location	Watts
W2XBO	Long Island City, N Y	500	W1XAV	Boston, Mass	500
W3XK	Wheaton, Md	5000	W8XAV	E Pittsburg, Penn	20000
W10XU	Aboard Cabin Monoplane	10	W2XCW	Schenectady, N Y	20000
W1XY	Lawrence, Mass	250	2750-2850 Kilocycles (109.09 Meters)		
W2XBC	Beacon, N Y	100	W2XAP	Portable	250
W1XAE	Springfield, Mass	20000	W2XBA	Newark, N J	500
W8XAV	E Pittsburg, Penn	20000	W8XAV	E Pittsburg, Penn	20000
W9XG	W Lafayette, Ind	1500	W2XCR	Jersey City, N J	5000
W2XCD	Passaic, N J	5000	W2XBO	Long Island City, N Y	500
W9XAA	Chicago, Ill	1000	W9XAP	Chicago, Ill	1000
W9XAO	Chicago, Ill	500	2850-2950 Kilocycles (105.26 Meters)		
2100-2200 Kilocycles (142.86 Meters)			W3XK	Wheaton, Md	5000
W2XBS	New York City, N Y	5000	W2XR	Long Island City, N Y	500
W3XAK	Bound Brook, N J	5000	W9XR	Downer's Grove, Ill	5000
W2XR	Long Island City, N Y	500	W3XAD	Camden, N J	500

Frequency-Wave Length Conversion Table

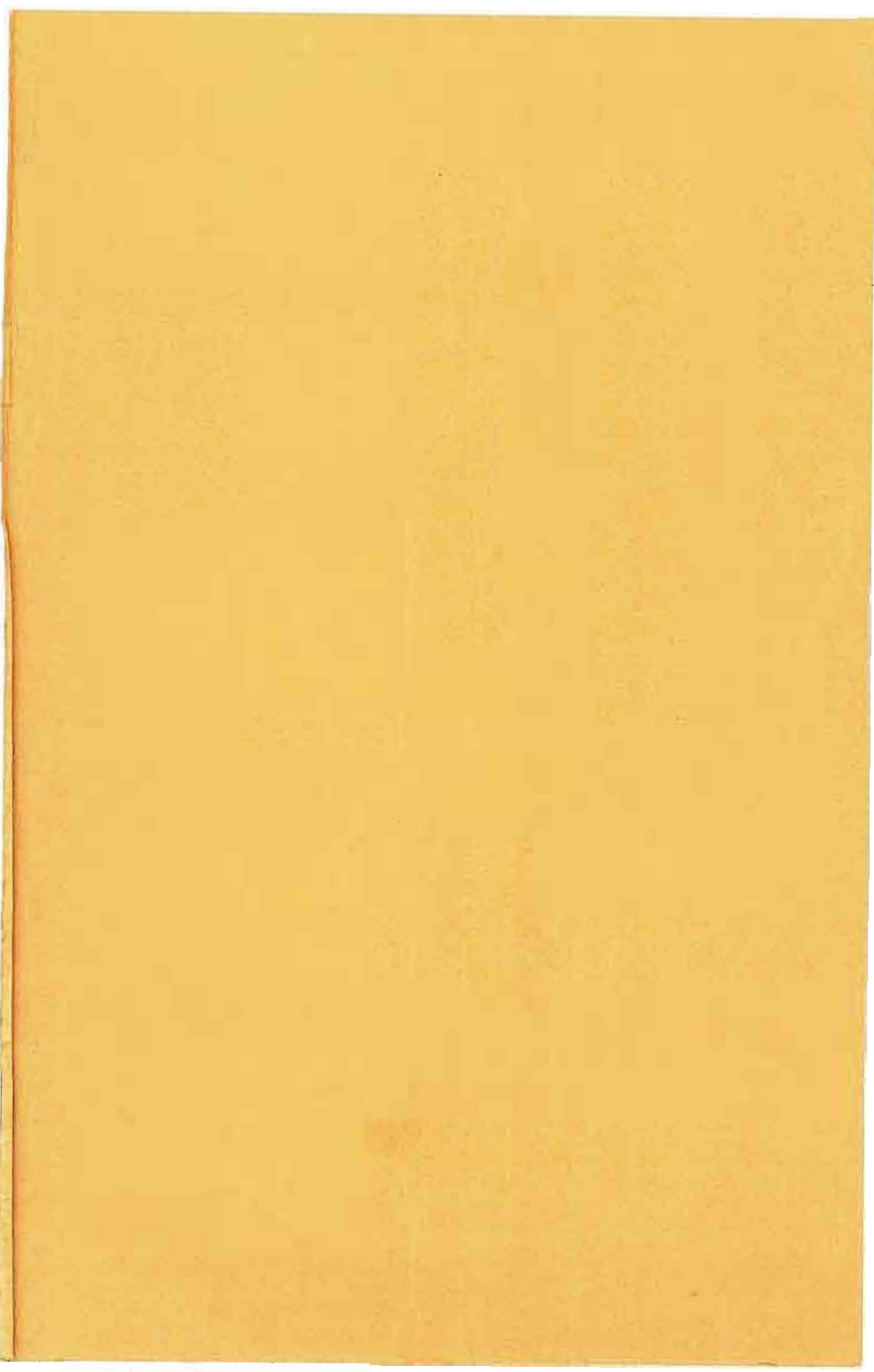
The following table gives wave frequencies in kilocycles, and the corresponding wave lengths in meters.

Kc	M	Kc	M	Kc	M	Kc	M
550	545.1	790	379.5	1030	291.1	1270	236.1
560	535.4	800	374.8	1040	288.3	1280	234.4
570	526.0	810	370.2	1050	285.5	1290	232.4
580	516.9	820	365.6	1060	282.8	1300	230.6
590	508.2	830	361.2	1070	280.2	1310	228.9
600	499.7	840	356.9	1080	277.6	1320	227.1
610	491.5	850	352.7	1090	275.1	1330	225.4
620	483.6	860	348.6	1100	272.6	1340	223.7
630	475.9	870	344.6	1110	270.1	1350	222.1
640	468.5	880	340.7	1120	267.7	1360	220.4
650	461.3	890	336.9	1130	265.3	1370	218.8
660	454.3	900	333.1	1140	263.0	1380	217.3
670	447.5	910	329.5	1150	260.7	1390	215.7
680	440.9	920	325.9	1160	258.5	1400	214.2
690	434.5	930	322.4	1170	256.3	1410	212.6
700	428.3	940	319.0	1180	254.1	1420	211.1
710	422.3	950	315.6	1190	252.0	1430	209.7
720	416.4	960	312.3	1200	249.9	1440	208.2
730	410.7	970	309.1	1210	247.8	1450	206.8
740	405.2	980	305.9	1220	245.8	1460	205.4
750	399.8	990	302.8	1230	243.8	1470	204.0
760	394.5	1000	299.8	1240	241.8	1480	202.6
770	389.4	1010	296.9	1250	239.9	1490	201.2
780	384.4	1020	293.9	1260	238.0	1500	199.9

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