

NEW LIST OF STATIONS WITH
LATEST RADIO COMMISSION CHANGES

Stevenson's

BULLETIN OF

RADIO
BROADCASTING
STATIONS



IN THIS ISSUE

NEW BROADCASTING STATION LOG
NEW LIST OF ALL NORTH AMERICAN
BROADCASTING STATIONS
CHART OF AIR LINE DISTANCES
BETWEEN CITIES
REVIEW OF RADIO COMMISSION
ACTIVITIES
NEW ALLOCATION PLANNED

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BROADCASTING LOG WITH STATIONS LISTED BY WAVE LENGTHS

All North American broadcasting stations of 100 watts or more power are here listed according to frequency in kilocycles and wave length in meters, with the power of each station in parenthesis following the location. Since it is unusual with most sets to pick up distant stations of less than 100 watts power, they are not included in this list. Stations of 1,000 watts or more power are listed in bold face type.

Freq. Kilo.	W. L. Meters	Location	Power
550	545.1	KFDY—Brookings, S. D.	(500)
		KFUO—Clayton, Mo.	(1000)
		KSD—St. Louis, Mo.	(500)
		WDAY—Fargo, N. Dak.	(250)
		WFAA—Dallas, Tex.	(500)
		WMAK—Martinsville, N. Y.	(750)
		WPTF—Raleigh, N. C.	(1000)
560	535.4	KXA—Seattle, Wash.	(500)
		WCAC—Storrs, Conn.	(500)
		WHO—Des Moines, Iowa	(5000)
		WTIC—Hartford, Conn.	(500)
		CYY—Merida, Mexico	(100)
570	526	KFKX—Chicago, Ill.	(2500)
		KYW—Chicago, Ill.	(2500)
		WNYC—New York, N. Y.	(500)
580	516.9	KMTR—Hollywood, Calif.	(500)
		WFLA—Clearwater, Fla.	(750)
		WMC—Memphis, Tenn.	(5000)
		WSUN—Clearwater, Fla.	(750)
		WTAG—Worcester, Mass.	(250)
		WWVA—Wheeling, W. Va.	(250)
		CHMA—Edmonton, Alta.	(250)
		CHYC—Edmonton, Alta.	(250)
		CJCA—Edmonton, Alta.	(500)
		CKUA—Edmonton, Alta.	(500)
		CNRE—Edmonton, Alta.	(500)
590	508.2	KLX—Oakland, Calif.	(500)
		WEEI—Boston, Mass.	(500)
		WOW—Omaha, Neb.	(1000)

Freq. Kilo.	W. L. Meters	Location	Power
760	394.5	KTW—Seattle, Wash. (1000) KWKH—Shreveport, La. (3500) KWSC—Pullman, Wash. (500) WHN—New York, N. Y. (500) WPAP—Cliffside, N. J. (500) WQAO—Cliffside, N. J. (500)-----	
770	389.4	WAAF—Chicago, Ill. (500) WABI—Bangor, Maine (100) (Sunday only.) WBBM—Chicago, Ill. (5000) WJBT—Chicago, Ill. (500)-----	
780	384.4	KGO—Oakland, Calif. (5000) WBSO—Wellesley Hills, Mass. (100) WMBF—Miami Beach, Fla. (500) WQAM—Miami, Fla. (750) CKY—Winnipeg, Manitoba (500) CNRW—Winnipeg, Manitoba (500)-----	
790	379.5	WCAJ—Lincoln, Nebr. (500) (Daytime only.) WGY—Schenectady, N. Y. (50000) -----	
800	374.8	KNRC—Santa Monica, Calif. (500) WOC—Davenport, Iowa (5000) CYH—Mexico City, Mex. (100)-----	
810	370.2	KHQ—Spokane, Wash. (1000) WDAF—Kansas City, Mo. (1000) WLWL—New York, N. Y. (5000) WMCA—New York, N. Y. (500)-----	
820	365.6	WCSH—Portland, Maine (500) WEBH—Chicago, Ill. (500) WJJD—Mooseheart, Ill. (1000) -----	
830	361.2	KYA—San Francisco, Calif. (1000) WSAI—Cincinnati, Ohio (5000) HHK—Port au Prince, Haiti (1000) -----	
840	356.9	CFCA—Toronto, Ont. (500) CHIC—Toronto, Ont. (500) CHNC—Toronto, Ont. (500) CJBC—Toronto, Ont. (500) CJSC—Toronto, Ont. (500)	

Freq. Kilo.	W. L. Meters	Location	Power
840	356.9	CKCL—Toronto, Ont.	(500)
		CKLC—Red Deer, Alta.	(1000)
		CKNC—Toronto, Ont.	(500)
		CKSM—Toronto, Ont.	(500)
		CNRT—Toronto, Ont.	(500)-----
850	352.7	KFWB—Los Angeles, Calif.	(1000)
		KLZ—Denver, Colo.	(1000)
		WEW—St. Louis, Mo.	(1000)
		WWJ—Detroit, Mich.	(1000)-----
860	348.6	KJR—Seattle, Wash.	(2500)
		KVOO—Tulsa, Okla.	(5000)
		WGBS—New York, N. Y.	(500)
		WIP—Philadelphia, Pa.	(500)
		WOO—Philadelphia, Pa.	(500)
		2OK—Havana, Cuba	(100)
CZE—Mexico City, Mex.	(500)-----		
870	344.6	KFQD—Anchorage, Alaska	(100)
		KWG—Stockton, Calif.	(100)
		WCBD—Zion, Ill.	(5000)
		WLS—Chicago, Ill.	(5000)-----
880	340.7	WAPI—Auburn, Ala.	(1000)
		WHB—Kansas City, Mo.	(500)
		WJAX—Jacksonville, Fla.	(1000)
		WOQ—Kansas City, Mo.	(500)
6KW—Tuincu, Cuba	(4000)-----		
890	336.9	KNX—Hollywood, Calif.	(5000)
		WSM—Nashville, Tenn.	(5000)-----
900	333.1	KFJM—Grand Forks, N. Dak.	(100)
		KFQB—Fort Worth, Texas	(1000)
		KSAC—Manhattan, Kan.	(500)
		KSEI—Pocatello, Idaho	(250)
		WBZ—Springfield, Mass.	(15000)
		WBZA—Boston, Mass.	(500)
		WHA—Madison, Wis.	(750)
		WJAD—Waco, Texas	(500)
WLBL—Stevens Point, Wis.	(1000)-----		

Freq. Kilo.	W. L. Meters	Location	Power
910	329.5	CFCT—Vancouver, B. C.	(500)
		CFQC—Saskatoon, Sask.	(500)
		CHUC—Saskatoon, Sask.	(500)
		CJDC—London, Ont.	(500)
		CJWC—Saskatoon, Sask.	(250)
		CNRS—Saskatoon, Sask.	(500)
		CYX—Mexico City, Mex.	(500)-----
920	325.9	KOA—Denver, Colo. (5000)	
		WPCH—New York, N. Y.	(500)
		WRNY—New York, N. Y.	(500)-----
930	322.4	KFAD—Phoenix, Ariz.	(500)
		KICK—Red Oak, Iowa	(100)
		(Daytime only.)	
		WIAS—Ottumwa, Iowa	(100)
		WHAS—Louisville, Ky.	(500)
		WKAQ—San Juan, P. R.	(500)
		WRHF—Washington, D. C.	(150)
		CHNS—Halifax, N. S.	(100)
		CNRA—Moncton, N. B.	(500)
		CYQ—Tampico, Mex.	(100)-----
940	319	KFAB—Lincoln, Nebr. (5000)	
		KOIL—Council Bluffs, Iowa (5000)	
		KOIN—Portland, Ore. (1000)	-----
950	315.6	KDKA—Pittsburgh, Pa. (50000)	
		KPSN—Pasadena, Calif. (1000)	-----
960	312.3	CFCY—Charlottetown, P. E. I.	(100)
		CJBR—Regina, Sask.	(500)
		CKCK—Regina, Sask.	(500)
		CNRR—Regina, Sask.	(500)
		CYU—Puebla, Mex.	(100)-----
970	309.1	KOMO—Seattle, Wash. (1000)	
		WABC—Richmond Hill, N. Y. (2500)	
		WBOQ—Richmond Hill, N. Y.	(500)
		CZF—Chiluhua, Mexico	(250)-----
980	305.9	WHAZ—Troy, N. Y.	(500)
		WHT—Chicago, Ill. (5000)	
		WIBO—Chicago, Ill. (5000)	-----

Freq. Kilo.	W. L. Meters	Location	Power
990	302.8	KSL—Salt Lake City, Utah (1000) WBRC—Birmingham, Ala. (250) WGR—Buffalo, N. Y. (750) WNAX—Yankton, S. Dak. (1000) -----	
1000	299.8	KFWO—Avalon, Calif. (250) KMOX—St. Louis, Mo. (5000) WBAK—Harrisburg, Pa. (500) (Daytime only.) WPSC—State College, Pa. (500) (Daytime only.) CYA—Mexico City, Mex. (500)-----	
1010	296.9	KQW—San Jose, Calif. (500) KUOA—Fayetteville, Ark. (1000) WDEL—Wilmington, Del. (250) WEPS—Gloucester, Mass. (100) WSMB—New Orleans, La. (750) WSMK—Dayton, Ohio (200) WWNC—Asheville, N. C. (1000) -----	
1020	293.9	KGCH—Wayne, Nebr. (250) KGDW—Humboldt, Nebr. (100) KGEZ—Kalispell, Mont. (100) KPRC—Houston, Texas (1000) WGL—New York, N. Y. (1000) WLBW—Oil City, Pa. (500) WODA—Paterson, N. J. (1000) WSYR—Syracuse, N. Y. (500) WTMJ—Milwaukee, Wis. (1000) -----	
1030	291.9	CFRB—King, Ont. (1000) CJYC—Scarboro, Ont. (500) CKCX—Scarboro, Ont. (500)-----	
1040	288.3	KGBX—St. Joseph, Mo. (100) KPLA—Los Angeles, Calif. (500) WBCN—Chicago, Ill. (500) WBET—Boston, Mass. (500) WDBO—Orlando, Fla. (500) WENR—Chicago, Ill. (500) WIAD—Philadelphia, Pa. (100) WKY—Oklahoma City, Okla. (150)	

Freq. Kilo.	W. L. Meters	Location	Power
1040	288.3	WNAT—Philadelphia, Pa. (100) WSSH—Boston, Mass. (100)	
1050	285.5	KFAU—Boise, Idaho (2000) KMMJ—Clay Center, Nebr. (250) WBAL—Baltimore, Md. (5000) WCAL—Northfield, Minn. (500) WDGY—Minneapolis, Minn. (500) WJAG—Norfolk, Nebr. (250)	
1060	282.8	KFXF—Denver, Colo. (250) KVI—Tacoma, Wash. (250) WAIU—Columbus, Ohio (5000) WDRC—New Haven, Conn. (500) WEAO—Columbus, Ohio (750)	
1070	280.2	KTAB—Oakland, Calif. (500) WHAM—Rochester, N. Y. (5000) WOAI—San Antonio, Texas (5000)	
1080	277.6	KEX—Portland, Ore. (2500) KWVG—Brownsville, Texas (500) WDZ—Tuscola, Ill. (100) (Daytime only.) WGHP—Mount Clemens, Mich. (750) WKAR—Lansing, Mich. (500)	
1090	275.1	KFBK—Sacramento, Calif. (100) KTBI—Los Angeles, Calif. (1000) WEAN—Providence, R. I. (500) WFBM—Indianapolis, Ind. (1000) WTAS—Elgin, Ill. (500) 6JK—Tuincu, Cuba (100) CYB—Mexico City, Mex. (1000)	
1100	272.6	KFJF—Oklahoma City, Okla. (5000) KSMR—Santa Maria, Calif. (100) KVL—Seattle, Wash. (100) KWTC—Santa Ana, Calif. (100) WBAA—West Lafayette, Ind. (500) WFBJ—Collegeville, Minn. (100) WFDF—Flint, Mich. (100) WPG—Atlantic City, N. J. (5000) WRM—Urbana, Ill. (500) WSKC—Bay City, Mich. (250)	

Freq. Kilo.	W. L. Meters	Location	Power
1110	270.1	KFLX—Galveston, Texas	(100)
		KGU—Honolulu, T. H.	(500)
		KLDS—Independence, Mo. (1500)	
		KMBC—Independence, Mo. (1500)	
		KOAC—Corvallis, Oreg.	(500)
		KQV—Pittsburgh, Pa.	(500)
		WGST—Atlanta, Ga.	(500)
		WGWB—Milwaukee, Wis.	(250)
		WHAD—Milwaukee, Wis.	(500)
		WISN—Milwaukee, Wis.	(250)
		WJAS—Pittsburgh, Pa.	(500)
		WMAZ—Macon, Ga.	(500)-----
1120	267.7	KFIZ—Fond du Lac, Wis.	(100)
		KFLV—Rockford, Ill.	(100)
		KFWI—San Francisco, Calif.	(500)
		KSBA—Shreveport, La. (1000)	
		WAAM—Newark, N. J.	(250)
		WBAO—Decatur, Ill.	(100)
		WDAE—Tampa, Fla.	(500)
		WFBG—Altoona, Pa.	(100)
		WGCP—Newark, N. J.	(250)
		WNJ—Newark, N. J.	(250)
		WOBU—Charleston, W. Va.	(250)
		CFRC—Kingston, Ont.	(500)-----
1130	265.3	KTSA—San Antonio, Texas (2000)	
		WBES—Takoma Park, Md.	(100)
		WCON—Danbury, Conn.	(100)
		WHK—Cleveland, Ohio	(500)
		WICC—Easton, Conn.	(500)
		WNOX—Knoxville, Tenn. (1000)	
		WOI—Ames, Iowa (2500)	
		CNRV—Vancouver, B. C.	(500)
		CYF—Oaxaca, Mexico	(100)-----
1140	263	KGEF—Los Angeles, Calif. (1000)	
		KGFB—Glendale, Calif.	(250)
		WDAG—Amarillo, Texas (1000)	
		WJAZ—Mt. Prospect, Ill. (5000)	
		WJBI—Redbank, N. J.	(250)

Freq. Kilo.	W. L. Meters	Location	Power
1140	263	WJBO—New Orleans, La. (100) WBMI—Chicago, Ill. (5000) WSEA—Virginia Beach, Va. (500)-----	
1150	260.7	KGA—Spokane, Wash. (2000) WCAU—Byberry, Pa. (1000) WCMA—Culver, Ind. (500) WFIW—Hopkinsville, Ky. (750) WNBH—New Bedford, Mass. (250) WOOD—Grand Rapids, Mich. (500) WRHM—Fridley, Minn. (1000) 6BY—Cienfuegos, Cuba (200)-----	
1160	258.5	KDYL—Salt Lake City, Utah (100) KFOX—Omaha, Nebr. (100) KFUL—Galveston, Texas (500) KOCH—Omaha, Nebr. (250) WBT—Charlotte, N. C. (1000) WEBW—Beloit, Wis. (500) WFBL—Syracuse, N. Y. (750) WIL—St. Louis, Mo. (250) WNAL—Omaha, Nebr. (250) WSBF—St. Louis, Mo. (250)-----	
1170	256.3	KTNT—Muscatine, Iowa (2000) WASH—Grand Rapids, Mich. (250) WBBR—Rossville, N. Y. (1000) WCSO—Springfield, Ohio (500) WLTH—Brooklyn, N. Y. (250)-----	
1180	254.1	KFKU—Lawrence, Kan. (500) KGFY—Pierre, S. Dak. (200) (Daytime only.) KMO—Tacoma, Wash. (500) WABO—Rochester, N. Y. (250) WCAX—Burlington, Vt. (100) WHEC—Rochester, N. Y. (250) WREN—Lawrence, Kan. (750) WRVA—Richmond, Va. (1000) WTAQ—Eau Claire, Wis. (500)-----	
1190	252	KEJK—Los Angeles, Calif. (250) KFSG—Los Angeles, Calif. (500) KOCW—Chickasha, Okla. (250)	

Freq. Kilo.	W. L. Meters	Location	Power
1190	252	WKBF—Indianapolis, Ind. (250) WMBB—Chicago, Ill. (5000) WMBR—Tampa, Fla. (100) WOK—Chicago, Ill. (5000) WORD—Batavia, Ill. (5000) -----	
1200	249.9	KFKA—Greeley, Colo. (500) KFRU—Columbia, Mo. (500) KFYR—Bismarck, N. Dak. (250) WBAX—Wilkes-Barre, Pa. (100) WBRE—Wilkes-Barre, Pa. (100) WCOA—Pensacola, Fla. (500) WREC—Whitehaven, Tenn. (500) WSAZ—Huntington, W. Va. (100) WSIX—Springfield, Tenn. (150)* 7SR—Elia, Cuba (100)-----	
1210	247.8	KFJB—Marshalltown, Iowa (100) KFWC—Ontario, Calif. (100) KGB—San Diego, Calif. (100) WCAT—Rapid City, S. Dak. (100) WDWF—Cranston, R. I. (250) WIOD—Miami Beach, Fla. (1000) WLSI—Cranston, R. I. (250)-----	
1220	245.8	KFH—Wichita, Kans. (500) KFIO—Spokane, Wash. (100) KFPY—Spokane, Wash. (250) KGRS—Amarillo, Texas (250) KLS—Oakland, Calif. (250) WAAT—Jersey City, N. J. (300) WEVD—Woodhaven, N. Y. (500) WFBE—Cincinnati, Ohio (250) WGBB—Freeport, N. Y. (150) WGMS—Minneapolis, Minn. (500) WHDI—Minneapolis, Minn. (500) WKRC—Cincinnati, Ohio (500) WLB—Minneapolis, Minn. (500) WWL—New Orleans, La. (500)*-----	
1230	243.8	KFCB—Phoenix, Ariz. (125) KSCJ—Sioux City, Iowa (500) KWUC—LeMars, Iowa (1500)	

Freq. Kilo.	W. L. Meters	Location	Power
1230	243.8	WCAD—Canton, N. Y.	(500)
		WCAO—Baltimore, Md.	(250)
		WDOD—Chattanooga, Tenn.	(500)
		WFBR—Baltimore, Md.	(250)
		WMBC—Detroit, Mich.	(100)-----
1240	241.8	KFKB—Milford, Kans. (1500)	
		KFON—Long Beach, Calif.	(500)
		WEBC—Superior, Wis.	(250)
		WEBR—Buffalo, N. Y.	(200)
		WEDC—Chicago, Ill.	(500)
		WFCI—Pawtucket, R. I.	(100)
		WGES—Chicago, Ill.	(500)
WMAL—Washington, D. C.	(500)-----		
1250	239.9	KFJR—Portland, Ore.	(500)
		KGCU—Mandan, N. Dak.	(100)
		KWCR—Cedar Rapids, Iowa	(250)
		WBAW—Nashville, Tenn. (5000)	
		WBBP—Petoskey, Mich.	(100)
		WCAP—Asbury Park, N. J.	(500)
		WIBA—Madison, Wis.	(100)
		WJAM—Cedar Rapids, Iowa	(250)
		WNAD—Norman, Okla.	(500)
		WOAN—Lawrenceburg, Tenn.	(500)
WOAX—Trenton, N. J.	(500)		
WSPD—Toledo, Ohio	(250)-----		
1260	238	WADC—Akron, Ohio (1000)	
		WIBX—Utica, N. Y.	(150)
		WJBB—Sarasota, Fla.	(250)
		WLBI—East Wenona, Ill.	(250)
		WRAW—Reading, Pa.	(100)
		WRBC—Valparaiso, Ind.	(250)-----
1270	236.1	KFDX—Shreveport, La.	(250)
		KFMX—Northfield, Minn.	(500)
		KFWM—Oakland, Calif.	(500)
		KHMC—Harlingen, Texas	(100)
		WBBW—Norfolk, Va.	(100)
		WBNY—New York, N. Y.	(500)
		WGBF—Evansville, Ind.	(250)
WHAP—Carlstadt, N. Y. (1000)			

Freq. Kilo.	W. L. Meters	Location	Power
1270	236.1	WPOR—Norfolk, Va. (500) WSRO—Middletown, Ohio (100) WTAD—Quincy, Ill. (250) WTAR—Norfolk, Va. (500)-----	
1280	234.2	KGAR—Tucson, Ariz. (100) KWK—St. Louis, Mo. (1000) WBBL—Richmond, Va. (100) WCAH—Columbus, Ohio (250) WDAH—El Paso, Texas (100) WMAY—St. Louis, Mo. (100) WMBS—Lemoyne, Pa. (250)-----	
1290	232.4	KFJY—Ft. Dodge, Iowa (100) KFMR—Sioux City, Iowa (100) KFPR—Los Angeles, Calif. (250) KFQZ—Hollywood, Calif. (250) KUT—Austin, Texas (500) WBRL—Tilton, N. H. (500) WHBQ—Memphis, Tenn. (100) WJKS—Gary, Ind. (500) WSBC—Chicago, Ill. (500)-----	
1300	230.6	KFEQ—St. Joseph, Mo. (1000) KPCB—Seattle, Wash. (100) KPQ—Seattle, Wash. (100) KRE—Berkeley, Calif. (100) KZM [®] —Oakland, Calif. (100) WAFD—Detroit, Mich. (100) WCOC—Columbus, Miss. (500) WDBJ—Roanoke, Va. (250) WGBI—Scranton, Pa. (250) WKBH—La Crosse, Wis. (500) WQAN—Scranton, Pa. (250)-----	
1310	228.9	KELW—Burbank, Calif. (250) KTAP—San Antonio, Texas (250) KTBR—Portland, Oreg. (500) WHBP—Johnstown, Pa. (250) WKBE—Webster, Mass. (100) WMBL—Lakeland, Fla. (100) WNBR—Memphis, Tenn. (100) WOWO—Ft. Wayne, Ind. (2500) -----	

Freq. Kilo.	W. L. Meters	Location	Power
1320	227.1	KFEL—Denver, Colo.	(250)
		KFUP—Denver, Colo.	(100)
		KGHB—Honolulu, H. T.	(250)
		KSO—Clarinda, Iowa	(500)
		WAIZ—Appleton, Wis.	(100)
		WBBC—Brooklyn, N. Y.	(250)
		WCLO—Kenosha, Wis.	(100)
		WDSU—New Orleans, La.	(250)
		WFJC—Akron, Ohio	(500)
		WJAY—Cleveland, Ohio	(500)
		WJBC—LaSalle, Ill.	(100)
		WSDA—Brooklyn, N. Y.	(500)
		WSGH—Brooklyn, N. Y.	(500)
		WTHS—Atlanta, Ga.	(200)
WWAE—Chicago, Ill.	(500)-----		
1330	225.4	KGEM—El Centro, Calif.	(100)
		WCBM—Baltimore, Md.	(100)
		WCOT—Providence, R. I.	(100)
		WLAC—Nashville, Tenn.	(5000)
		WMAc—Cazenovia, N. Y.	(500)-----
1340	223.7	KMIC—Inglewood, Calif.	(250)
		WCAM—Camden, N. J.	(500)
		WCRW—Chicago, Ill.	(500)
		WFAN—Philadelphia, Pa.	(500)
		WFKB—Chicago, Ill.	(500)
		WNRC—Greensboro, N. C.	(500)
		WPCC—Chicago, Ill.	(500)
WSAJ—Grove City, Pa.	(250)-----		
1350	222.1	KGHL—Billings, Mont.	(250)
		KWKC—Kansas City, Mo.	(100)
		WCBA—Allentown, Pa.	(100)
		WHBD—Bellefontaine, Ohio	(100)
		WHBF—Rock Island, Ill.	(100)
		WOMT—Manitowoc, Wis.	(100)
		WSAN—Allentown, Pa.	(100)-----
1360	220.4	KFQU—Holy City, Calif.	(100)
		KGCI—San Antonio, Texas	(250)
		KGRC—San Antonio, Texas	(250)

Freq. Kilo.	W. L. Meters	Location	Power
1360	220.4	KSTP—Wescott, Minn. (3500) KXL—Portland, Ore. (250) WHBW—Philadelphia, Pa. (100) WMBO—Auburn, N. Y. (100)-----	
1370	218.8	KGEW—Fort Morgan, Colo. (100) KOW—Denver, Colo. (250) WCGU—Coney Island, N. Y. (500) WKBO—Jersey City, N. J. (500) WKBQ—New York, N. Y. (500) WKBV—Brookville, Ind. (100)-----	
1380	217.3	KFOR—Lincoln, Nebr. (100) KFQW—Seattle, Wash. (100) WKBS—Galesburg, Ill. (100) WKBW—Amherst, N. Y. (5000) WLBO—Galesburg, Ill. (100)-----	
1390	215.7	KFVD—Culver City, Calif. (250) KGER—Long Beach, Calif. (100) WCLS—Joliet, Ill. (150) WEHS—Evanston, Ill. (100) WHFC—Chicago, Ill. (200) WKBB—Joliet, Ill. (150) WOKO—Mount Beacon, N. Y. (500) WPEP—Waukegan, Ill. (250) WQBC—Utica, Miss. (225)-----	
1400	214.2	KFWF—St. Louis, Mo. (250) WCWK—Ft. Wayne, Ind. (250) WJBU—Lewisburg, Pa. (100) WLBG—Petersburg, Va. (500)-----	
1410	212.6	KGBZ—York, Nebr. (100) KGFJ—Los Angeles, Calif. (100) WCDA—Cliffside Park, N. J. (250) WJBL—Decatur, Ill. (250) WRAX—Philadelphia, Pa. (250) WSAR—Fall River, Mass. (250)-----	
1420	211.1	KFCR—Santa Barbara, Calif. (100) KFYO—Breckenridge, Texas (100) KPNP—Muscatine, Iowa (100) WBMH—Detroit, Mich. (100)	

Freq. Kilo.	W. L. Meters	Location	Power
1420	211.1	WCOH—Greenville, N. Y. (250) WINR—Bay Shore, N. Y. (150) WLOE—Chelsea, Mass. (100)	-----
1430	209.7	KGHA—Pueblo, Colo. (500) KGFH—Pueblo, Colo. (250) KSOO—Sioux Falls, S. D. (250) KVOS—Bellingham, Wash. (250) WCBS—Springfield, Ill. (250) WIVA—Norfolk, Va. (100) WOKT—Rochester, N. Y. (500) WPRC—Harrisburg, Pa. (100) WTFI—Toccoa, Georgia (500)	-----
1440	208.2	WBOW—Terre Haute, Ind. (100) WJBZ—Chicago Heights, Ill. (100) WLBZ—Dover, Maine (250) WNBA—Forest Park, Ill. (200) WRAF—LaPorte, Ind. (100)	-----
1450	206.8	KGGF—Picher, Okla. (100)	-----
1460	205.4	KFXV—Flagstaff, Ariz. (100) KGEO—Grand Island, Nebr. (100) WABF—Kingston, Pa. (250) WMBD—Peoria Heights, Ill. (250) WRK—Hamilton, Ohio (100)	-----
1470	204	WHBL—Sheboygan, Wis. (250) WIBS—Elizabeth, N. J. (250) WKEN—Kenmore, N. Y. (250) WLBX—Long Island City, N. Y. (250) WMBH—Joplin, Mo. (100) WMBQ—Brooklyn, N. Y. (100) WSAX—Chicago, Ill. (100)	-----
1480	202.6	WRUF—Gainesville, Fla. (5000) WTFF—Mt. Vernon Hills, Va. (10000)	-----
1490	201.2	KPOF—Denver, Colo. (500)	
1500	199.9	WBMS—Union City, N. J. (100) WCLB—Brooklyn, N. Y. (100) WGOP—Flushing, N. Y. (100) WRAH—Providence, R. I. (250) WWRL—Woodside, N. Y. (100)	-----

WOULD YOU LIKE TO GET TWICE AS MANY STATIONS WITH YOUR SET?

The following article will tell you how to find out where any station should come in on the dials, enabling you to locate nearly all stations systematically, and without delay.

DO you know how to find the wave lengths on your set?

Almost twice as many stations can be brought in with the receiver if you know just where they should come in on the dials. It is the difference between hunting blindly and searching in a small place for something you know is there.

It can be done by learning the relationship between the numbers on the dials of your radio receiving set and the wave lengths of the various broadcasting stations. With STEVENSON'S Broadcasting Log, it is very simple.

You already know where some few stations come in on the dials. Or you can easily locate a few.

Suppose for instance, that you picked up a station at 30 on the dial. Turning to the alphabetical list of stations, you learn that the wave length of the station is 252. Then you pick up another station at 40, and learn that its wave length is 300 meters.

Immediately you know that all stations with wave lengths between 252 and 300 meters should come in between 30 and 40 on the dial.

Keep on with the test. Suppose a station comes in at 40, and

you learn its wave length is 350 meters. Then you know that all stations with wave lengths between 300 and 350 meters should come in between 40 and 50 on the dial.

Go over the entire dial in that manner, and soon you will know approximately where to search for any station when you know its wave length.

Then if you want to get a particular station, all you have to do is to find its wave length and you will know where to look for it. With a little practice, you can almost tell before hearing the call letters announced which station you are listening to.

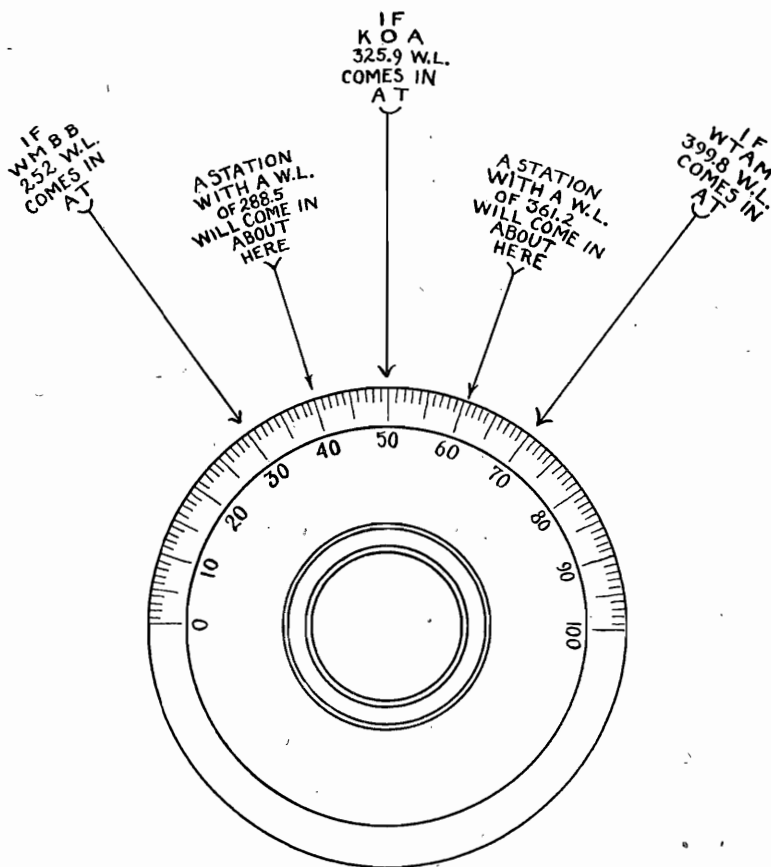
The distance at which a station can be heard depends on the power it uses. Stations of 1,000 watts or more power (printed in bold face type) are sufficiently powerful to be heard over large areas under favorable conditions.

Inspection of the broadcasting log should enable the listener to determine very quickly which stations should be received. Calculate the distance and the power of the station (shown in parentheses after the location) and you can tell whether you should be able to get it.

Freq. Kilo.	W. L. Meters	Location	Power
680	440.9	KFSD—San Diego, Calif.	(500)
		WAAW—Omaha, Nebr.	(500) (Daytime only.)
		WCX—Pontiac, Mich.	(5000)
		WJR—Pontiac, Mich.	(5000)
690	434.5	NAA—Arlington, Va.	(1000)
		CFAC—Calgary, Alberta	(500)
		CFCJ—Calgary, Alberta	(250)
		CFCN—Calgary, Alberta	(1800)
		CHXC—Ottawa, Ont.	(250)
		CKCO—Ottawa, Ont.	(100)
		CNRC—Calgary, Alberta	(750)
		CNRO—Ottawa, Ont.	(500)
700	428.3	WLW—Cincinnati, Ohio	(5000)
		WMAF—Dartmouth, Mass.	(500)
		CYO—Mexico City, Mexico	(100)
710	422.3	KPO—San Francisco, Calif.	(1000)
		WOR—Newark, N. J.	(5000)
		WOS—Jefferson City, Mo.	(500)
720	416.4	WGN—Chicago, Ill.	(500)
		WLIB—Chicago, Ill.	(500)
730	410.7	CFCF—Montreal, Que.	(1650)
		CFYC—Burnaby, B. C.	(500)
		CHPC—Vancouver, B. C.	(1000)
		CKAC—Montreal, Que.	(1200)
		CKCD—Vancouver, B. C.	(1000)
		CNRM—Montreal, Que.	(1000)
740	405.2	WCCO—Minneapolis, Minn.	(5000)
		WFI—Philadelphia, Pa.	(500)
		WLIT—Philadelphia, Pa.	(500)
750	399.8	KGBU—Ketchikan, Alaska	(500)
		KHJ—Los Angeles, Calif.	(1000)
		WEAR—Cleveland, Ohio	(1000)
		WTAM—Cleveland, Ohio	(3500)
		WSBT—South Bend, Ind.	(500)
		CYJ—Mexico City, Mex.	(2000)
		CYL—Mexico City, Mex.	(500)
		PWX—Havana, Cuba	(500)
760	394.5	KMA—Shenandoah, Iowa	(1000)
		KOB—State College, N. Mex.	(5000)

Freq. Kilo.	W. L. Meters	Location	Power
600	499.7	KTHS—Hot Springs, Ark. (1000)	
		WBAP—Fort Worth, Tex. (5000)	
		CFCH—Iroquois Falls, Ont. (250)-----	
610	491.5	KGW—Portland, Oreg. (1000)	
		WEAF—New York, N. Y. (5000) -----	
620	483.6	KFBU—Laramie, Wyo. (500)	
		KFDM—Beaumont, Texas (500)	
		KFUM—Colorado Springs, Colo. (1000)	
		KUSD—Vermilion, S. D. (250)	
		WCFL—Chicago, Ill. (1500)	
		WEMC—Berrien Springs, Mich. (1000)	
		WJAR—Providence, R. I. (500)	
		WLTS—Chicago, Ill. (100)	
		WTAW—College Station, Tex. (500)	
		AQM—Salvador, Salvador (500) -----	
630	475.9	WSB—Atlanta, Ga. (1000)	
		WSUI—Iowa City, Iowa (500) (Daytime only.)	
		CJGX—Yorktown, Sask. (500)	
		CYR—Mazathan, Mexico (250)	
640	468.5	KFI—Los Angeles, Calif. (5000)	
		WRC—Washington, D. C. (500) -----	
650	461.3	KFNF—Shenandoah, Iowa (2000) (6 to 7 P. M. only.)	
		KRLD—Dallas, Texas (500)	
		KUOM—Missoula, Mont. (500)	
		WBIS—Boston, Mass. (500)	
		WCAE—Pittsburgh, Pa. (500)	
		WNAC—Boston, Mass. (500)	
		WRR—Dallas, Texas (500) -----	
660	454.3	KFRC—San Francisco, Calif. (1000)	
		WJZ—New York, N. Y. (30000) -----	
670	447.5	KFOA—Seattle, Wash. (1000)	
		WMAQ—Chicago, Ill. (1000)	
		WQJ—Chicago, Ill. (500) -----	

**Turn to page 18 and find out how to use this
 broadcasting log for best results.**



The above one dial arrangement illustrates the method which can be used to find out where stations should come in. Suppose WMBB, with a wave length of 252 meters comes in at 30 on the dial, and that KOA, with a wave length of 330 meters comes in at 50. Then a station with a wave length of 288 meters should come in at about 40. And if WTAM, on 400 meters comes in at 70, then a station with a wave length of 361 meters should come in at about 60. On some sets, the process is exactly reversed, the high wave lengths coming in at the bottom of the dial instead of the top.

AMERICAN BROADCASTING STATIONS

Call	Power Watts	Freq. Kilo.	W. L. Mets.	Location and Owner
KDKA	50000	950	315.6	Pittsburgh, Pa.---Westinghse. E. & M. Co.
KDLR	15	1300	230.6	Devils Lake, N. D.-----Radio Elec. Co.
KDYL	100	1160	258.5	Salt Lake City, Utah----Intm. B'cast Co.
KEJK	250	1190	252.0	Los Angeles, Calif.-----F. Long
KELW	250	1310	228.9	Burbank, Calif.-----E. L. White
KEX	2500	1080	277.6	Portland, Oreg.-----Western B'cast Co.
KFAB	5000	940	319.0	Lincoln, Nebr.-----Nebr. Buick Auto Co.
KFAD	500	930	322.4	Phoenix, Ariz.-----Elec'l Equip. Co.
KFAU	2000	1050	285.5	Boise, Idaho-----School District
KFBB	50	1090	275.1	Havre, Mont.-----F. A. Buttrey Co.
KFBI	50	1470	204.0	(Portable) (Pacific Coast)---Aeroplane Flying Broadcasters, Inc.
KFBK	100	1090	275.1	Sacramento, Calif.----Kimball-Upson Co.
KFBL	50	1340	223.7	Everett, Wash.-----Leese Bros.
KFBU	500	620	483.6	Laramie, Wyo-----Bishop N. S. Thomas
KFCB	125	1230	243.8	Phoenix, Ariz.---Nielsen Radio Sup. Co.
KFCR	100	1420	211.1	Santa Barbara, Calif.----S. B. B'cast Co.
KFDM	500	620	483.6	Beaumont, Texas-----Magnolia Pet. Co.
KFDX	250	1270	236.1	Shreveport, La.---First Baptist Church
KFDY	500	550	545.1	Brookings, S. D.-----State College
KFDZ	10	1390	215.7	Minneapolis, Minn.-----H. O. Iverson
KFEC	50	1400	214.2	Portland, Oreg.-----Meier & Frank Co.
KFEL	250	1320	227.1	Denver, Colo.-----E. P. O'Fallon, Inc.
KFEQ	1000	1300	230.6	St. Joseph, Mo.-----Scroggin & Co.
KFEY	10	1290	232.4	Kellogg, Idaho-----Union High School
KFGQ	10	1430	209.7	Boone, Iowa-----Boone Biblical College
KFH	500	1220	245.8	Wichita, Kans.-----Hotel Lassen
KFHA	50	1200	249.0	Gunnison, Colo.---Western State College
KFHL	10	1410	212.6	Oskaloosa, Iowa-----Penn College
KFI	5000	640	468.5	Los Angeles, Calif.---E. C. Anthony, Inc.
KFIF	50	1310	228.9	Portland, Oreg.-----Benson Poly. Inst.
KFIO	100	1220	245.8	Spokane, Wash.-----North Central H. S.
KFIU	10	1330	225.4	Juneau, Alaska-----Alaska Elec. Co.
KFIZ	100	1120	267.7	Fond du Lac, Wis.---Commonw'th Reporter
KFJB	100	1210	247.8	Marshalltown, Iowa---Marshall Elec. Co.
KFJF	5000	1100	272.6	Oklahoma City, Okla.---Nat. Rad. Mfg. Co.
KFJI	50	1200	249.9	Astoria, Oreg.-----Geo. Kincaid
KFJM	100	900	333.1	Grand Forks, N. D.---University of N. D.
KFJR	500	1250	239.9	Portland, Oreg.---Ashley C. Dixon & Son

Call	Watts	Kilo.	Mets.	Location and Owner
KFJY	100	1290	232.4	Fort Dodge, Iowa-----C. S. Tunwall
KFJZ	50	1200	249.9	Fort Worth, Texas---Henry Clay Allison
KFKA	500	1200	249.9	Greeley, Colo..Colo. State Teach. College
KFKB	1500	1240	241.8	Milford, Kans-----Dr. J. R. Brinkley
KFKU	500	1180	254.1	Lawrence, Kans.---University of Kansas
KFKX	2500	570	526.0	Chicago, Ill.---Westinghouse E. & M. Co.
KFKZ	15	1330	225.4	Kirksville, Mo.---Ne. Mo. State Teach. Col.
KFLV	100	1120	267.7	Rockford, Ill.---Swedish Evan. Mis. Church
KFLX	100	1110	270.1	Galveston, Texas-----George Roy Clough
KFMR	100	1290	232.4	Sioux City, Iowa----Morningside College
KFMX	500	1270	236.1	Northfield, Minn.-----Carleton College
KFNF	2000	650	461.3	Shenandoah, Iowa---Henry Field Seed Co.
KFOA	1000	670	447.3	Seattle, Wash.---Rhodes Departm't Store
KFON	500	1240	241.8	L. Beach, Calif.---Nichols & Warriner, Inc.
KFOR	100	1380	217.3	Lincoln, Nebr.-----Howard A. Shuman
KFOX	100	1160	258.5	Omaha, Nebr.---Omaha Br. of Education
KFPL	15	1090	275.1	Dublin, Texas-----C. C. Baxter
KFPM	15	1300	230.6	Greenville, Tex.---The New Furniture Co.
KFPR	250	1290	232.4	Los Angeles, Cal.---L. A. County Forestry
KFPW	50	1140	263.0	Cartersville, Mo.----Rev. L. W. Stewart
KFPY	250	1220	245.8	Spokane, Wash.---Symons Investment Co.
KFQA	50	1280	234.2	St. Louis, Mo.-----The Principia
KFQB	1000	900	333.1	Ft. Worth, Texas---W. F. Fishburn, Inc.
KFQD	100	870	344.6	Anchorage, Alaska---Anchorage Radio Club
KFQU	100	1360	220.4	Holy City, Calif.-----W. E. Riker
KFQW	100	1380	217.3	Seattle, Wash.-----KFQW, Incorporated
KFQZ	250	1290	232.4	Hollywood, Cal.---Taft Rad. & Brd.Co.Inc.
KFRC	1000	660	454.3	San Francisco, Calif.-----Don Lee, Inc.
KFRU	500	1200	249.9	Columbia, Mo.-----Stephens College
KFSD	500	680	440.9	San Diego, Calif.----Airfan Radio Corp.
KFSG	500	1190	252.0	Los Angeles, Cal.---Echo Pk. Evan. Assn.
KFUL	500	1160	258.5	Galveston, Texas---Thos. Goggan & Bros.
KFUM	1000	620	483.6	Colorado Springs, Colo.----W. D. Corley
KFUO	1000	550	545.1	Clayton, Mo.---Concordia Theolgl. Sem.
KFUP	100	1320	227.1	Denver, Colo.----Fitzsimmons Gen. Hos.
KFUR	50	1330	225.4	Ogden, Utah-----Peery Building Co.
KFUS	50	1440	208.2	Oakland, Calif.-----Dr. L. L. Sherman
KFUT	50	1200	249.9	Salt Lake City, Utah---University of Utah
KFVD	250	1390	215.7	Culver City, Cal.---W.J. & C.I. McWhinnie
KFVG	50	1330	225.4	Independence, Kans.---1st Meth. Epis. Ch.
KFVS	50	1340	233.7	Cape Girardeau, Mo.---Hirsch Bat.&RadCo.

Call	Watts	Kilo.	Mets.	Location and Owner
KFWB	1000	850	352.7	Los Angeles, Calif. Warner Bros. Brdgc.
KFWC	100	1210	247.8	Ontario, Calif. Lawrence E. Wall
KFWF	250	1400	214.2	St. Louis, Mo. St. L. Truth Center, Inc.
KFWI	500	1120	267.7	San Francisco, Calif. Radio Enter., Inc.
KFWM	500	1270	236.1	Oakland, Calif. Oakland Edu. Society
KFWO	250	1000	299.8	Avalon, Calif. Lawrence Mott
KFXD	15	1470	204.0	Jerome, Idaho Service Radio Co.
KFXF	250	1060	282.8	Denver, Colo. Pikes Peak Brdcstg. Co.
KFXJ	50	1430	209.7	Edgewater, Colo. R. G. Howell
KFXR	50	1340	223.7	Oklahoma City, Okla. Exch. Ave. Baptist
KFXY	100	1460	205.4	Flagstaff, Ariz. Mary M. Costigan
KFYO	100	1420	211.1	Breckenridge, Texas Kirksey Bros.
KFYR	250	1200	249.9	Bismarck, N. D. Hoskins-Meyer
KGA	2000	1150	260.7	Spokane, Wash. Northw't Rad. Serv. Co.
KGAR	100	1280	234.2	Tucson, Ariz. Citizen's Pub. Co.
KGB	100	1210	247.8	San Diego, Calif. Dr. Arthur W. Yale
KGBU	500	750	399.8	Ketchikan, Alaska Alaska Ra. & Ser. Co.
KGBX	100	1040	288.3	St. Joseph, Mo. Foster-Hall Tire Co.
KGBY	50	1350	222.1	Columbus, Nebr. Ervin & Taddiken
KGBZ	100	1410	212.6	York, Nebr. Fed. Live Stock Remedy Co.
KGCA	10	1210	247.8	Decorah, Iowa Chas. W. Greenley
KGCB	50	1390	215.7	Oklahoma City, Okla. Wallace Rad. Inst.
KGCH	250	1020	293.9	Wayne, Nebr. Farmers & Merchants Cooperative Radio Corp. of Amer.
KGCI	250	1360	220.4	San Antonio, Texas Liberto Radio Sales
KGCN	50	1440	208.2	Concordia, Kans. Concordia Brdseg. Co.
KGCR	15	1440	208.2	Brookings, S. D. Cutler's
KGCU	100	1250	239.9	Mandan, N. D. Mandan Radio Assn.
KGCX	10	1230	243.8	Vida, Mont. First State Bank of Vida
KGDA	15	1180	254.1	Dell Rapids, S. D. Home Auto Co.
KGDE	50	1460	205.4	Barrett, Minn. Jaren Drug Co.
KGDM	10	1380	217.3	Stockton, Calif. E. F. Peffer
KGDP	10	1340	223.7	Pueblo, Colo. Boy Scouts of America
KGDR	15	1450	206.8	San Antonio, Texas Joe B. McShane
KGDW	100	1020	293.9	Humboldt, Nebr. Frank J. Rist
KGDY	15	1450	206.8	Oldham, S. Dak. J. Albert Loesch
KGFE	1000	1140	263.0	Los Angeles, Calif. Trinity Methodist Ch.
KGEK	50	1140	263.0	Yuma, Colo. Beehler Elec. Equip. Co.
KGEN	100	1330	225.4	El Centro, Cal. E. R. Irey & F.M. Bowles
KGEO	100	1460	205.4	Grand Island, Nebr. Hotel Yancey
KGEQ	50	1470	204.0	Minneapolis, Minn. Fred W. Hermann

Call	Watts	Kilo.	Mets.	Location and Owner
KGER	100	1390	215.7	Long Beach, Calif.---C. Merwin Dobyns
KGES	10	1470	204.0	Central City, Nebr.--Cent. Rad. Elec. Co.
KGEW	100	1370	218.8	Fort Morgan, Colo.---City of Fort Morgan
KGEZ	100	1020	293.9	Kalispell, Mont.---Flathead Brdcastg. Assn.
KGFB	10	1340	223.7	Iowa City, Iowa-----Albert C. Dunkel
KGFF	25	1460	205.4	Alva, Okla.-----Earl E. Hampshire
KGFG	50	1390	215.7	Oklahoma City, Okla.---Full Gospel Chur.
KGFH	250	1140	263.0	Glendale, Calif.-----Frederick Robinson
KGFI	15	1360	220.4	San Angelo, Tex.--San Angelo Brdctg. Co.
KGFI	100	1410	212.6	Los Angeles, Calif.---Ben S. McGlashan
KGFK	50	1340	223.7	Hallock, Minn.--Kittson County Enterprise
KGFL	50	1350	222.1	Raton, New Mexico-----N. L. Cotter
KGFN	15	1500	199.9	Aneta, N. D.-----Henry Haraldson
KGFW	10	1010	296.9	Ravenna, Nebr.-----Otto F. Sothman
KGFX	200	1180	254.1	Pierre, S. D.-----Dana McNeil
KGGF	100	1450	206.8	Picher, Okla.-----Dr. D. L. Connell
KGGH	50	1410	212.6	Cedar Grove, La.--Bates Rad. & Elec. Co.
KGHA	500	1430	209.7	Pueblo, Colo.-----Geo. H. Sweeney
KGHB	250	1320	227.1	Honolulu, H. T.-----Radio Sales Co.
KGHC	15	1430	209.7	Slayton, Minn.-----Hogstad Radio Co.
KGHD	5	1290	232.4	Missoula, Mont.--Elmore-Nash Brd. Corp.
KGHF	250	1430	209.7	Pueblo, Colo.-----C. P. Ritchie
KGHL	250	1350	222.1	Billings, Mont.--N'rthwest'n Auto Sup. Co.
KGHP	50	1140	263.0	Hardin, Mont.-----American Legion
KGO	5000	780	384.4	Oakland, Calif.-----General Electric Co.
KGRC	250	1360	220.4	San Antonio, Texas---Gene Roth & Co.
KGRS	250	1220	245.8	Amarillo, Texas-----Gish Radio Service
KGTT	50	1360	220.4	San Francisco, Calif.--Glad Tid. Temple
KGU	500	1110	270.1	Honolulu, H. T.-----Marion A. Mulrony
KGW	1000	610	491.5	Portland, Oreg.-----Oregonian Pub. Co.
KGY	50	1230	243.8	Lacey, Wash.-----St. Martins College
KHJ	1000	750	399.8	Los Angeles, Calif.-----Don Lee, Inc.
KHMC	100	1270	236.1	Harlingen, Texas---Harlingen Music Co.
KHQ	1000	810	370.2	Spokane, Wash.-----Louis Wasmer, Inc.
KICK	100	930	322.4	Red Oak, Iowa---Red Oak Radio Corp.
KJBS	50	1220	245.8	San Francisco--Julius Brunton & Sons Co.
KJR	2500	860	348.6	Seattle, Wash.---Northwest Rad. Serv. Co.
KKP	15	1100	272.6	Seattle, Wash.-----Seattle, Harbor Dept.
KLCN	50	1050	285.5	Blytheville, Ark.----Daily Courier News
KLDS	1500	1110	270.1	Independence, Mo.---Reorganized Ch. of Latter Day Saints

Call	Watts	Kilo.	Mets.	Location and Owner
KLS	250	1220	245.8	Oakland, Calif.-----Warner Bros.
KLX	500	590	508.2	Oakland, Calif.-----Tribune Pub. Co.
KLZ	1000	850	352.7	Denver, Colo.----Reynolds Radio Co., Inc.
KMA	1000	760	394.5	Shenandoah, Iowa--May Seed & Nurs. Co.
KMBC	1500	1110	270.1	Independence, Mo.---Midland B'd'ting Co.
KMED	50	1110	270.1	Medford, Oreg.-----W. J. Virgin
KMIC	250	1340	223.7	Inglewood, Calif.-----James R. Fouch
KMJ	50	820	365.6	Fresno, Calif.-----The Fresno Bee
KMMJ	250	1050	285.5	Clay Center, Nebr.---M. M. Johnson Co.
KMO	500	1180	254.1	Tacoma, Wash.-----KMO, Inc.
KMOX	5000	1000	299.8	Kirkwood, Mo.-----Voice of St. Louis
KMTR	500	580	516.9	Hollywood, Calif.----KMTR Radio Corp.
KNRC	500	800	374.8	Santa Monica, Calif.---Clarence B. Juneau
KNX	5000	890	336.9	Hollywood, Calif.---Western Br'dc'ting Co.
KOA	5000	920	325.9	Denver, Colo.-----General Electric Co.
KOAC	500	1110	270.1	Corvallis, Oreg.---Oreg. State Agri. Col.
KOB	5000	760	394.5	State Col.N. M.---Col. of Agri. & Mech. Arts
KOCH	250	1160	258.5	Omaha, Nebr.-----Central Radio School
KOCW	250	1190	252.0	Chickasha, Okla.---Okla. Col. for Women
KOIL	5000	940	319.0	Council Bluffs, Iowa--Mona Motor Oil Co.
KOIN	1000	940	319.0	Portland, Oreg.-----KOIN, Inc.
KOMO	1000	970	309.1	Seattle, Wash.---Fisher's Blend Sta., Inc.
KOOS	50	1450	206.8	Marshfield, Oreg.---KOOS Radio Sales & Service, Inc.
KORE	50	1500	199.9	Eugene, Oreg.---Eugene Br'dc'ting Station
KOW	250	1370	218.8	Denver, Colo.----Olinger Corp. Brtcstg.
KPCB	100	1300	230.6	Seattle, Wash.---Pacific Coast Biscuit Co.
KPJM	15	1400	214.2	Prescott, Ariz.-----Frank Wilburn
KPLA	500	1040	288.3	Los Angeles, Calif.---Pac. Devel. Rad. Co.
KPNP	100	1420	211.1	Muscatine, Iowa-----Central Radio Co.
KPO	1000	710	422.3	San Francisco---Hales Bros. & Chronicle
KPOF	500	1490	201.2	Denver, Colo.-----Pillar of Fire, Inc.
KPQ	100	1300	230.6	Seattle, Wash.-----Arch. Taft & Lou. Wasmer
KPPC	50	950	315.6	Pasadena, Calif.---Pasadena Pres. Church
KPRC	1000	1020	293.9	Houston, Texas---Houston Printing Co.
KPSN	1000	950	315.6	Pasadena, Calif.-----Star News
KQV	500	1110	270.1	Pittsburgh, Pa.---Doubleday Hill Elec. Co.
KQW	500	1010	296.9	San Jose, Calif.-----First Baptist Church
KRE	100	1300	230.6	Berkeley, Calif.-----First Cong. Church
KRLD	500	650	461.3	Dallas, Texas.-----KRLD, Inc.

Call	Watts	Kilo.	Mets.	Location and Owner
KRMD	50	1360	220.4	Shreveport, La.....Robert M. Dean
KRSC	50	1100	272.6	Seattle, Wash.....Radio Sales Corp.
KSAC	500	900	333.1	Manhattan, Kans....Kans. State Agri. Col.
KSBA	1000	1120	267.7	Shreveport, La.....W. G. Patterson
KSCJ	500	1230	243.8	Sioux City, Ia.....Perkins Bros.
KSD	500	550	545.1	St. Louis, Mo.....Pulitzer Pub. Co.
KSEI	250	900	333.1	Pocatello, Idaho.....KSEI B'cast Assn.
KSL	1000	990	302.8	Salt Lake City, Utah...Radio Service Corp.
KSMR	100	1100	272.6	Santa Maria, Calif.....S. M. R. R. Co.
KSO	500	1320	227.1	Clarinda, Iowa.....Berry Seed Co.
KSOO	250	1430	209.7	Sioux Falls, S. D....Sioux Falls Bdg. Assn.
KSTP	3500	1360	220.4	Westcott, Minn....Natl. Battery Brdgt. Co.
KTAB	500	1070	280.2	Oakland, Calif.....Ass'd Broadcasters
KTAP	250	1310	228.9	San Antonio, Texas.....R. B. Bridge
KTBI	1000	1090	275.1	Los Angeles, Calif.....Bible Institute
KTBR	500	1310	228.9	Portland, Oreg.....M. E. Brown
KTHS	1000	600	499.7	Hot Springs, Ark....Arlington Hotel Co.
KTNT	2000	1170	256.3	Muscatine, Iowa.....Norman Baker
KTSA	2000	1130	265.3	San Antonio, Texas....Alamo B'cast Co.
KTUE	5	1410	212.6	Houston, Texas.....Uhalt Elec. Co.
KTW	1000	760	394.5	Seattle, Wash.....First Pres. Church
KUJ	10	1500	199.9	Longview, Wash.....F. W. Lovejoy & R. W. Kerfoot
KUOA	1000	1010	296.9	Fayetteville, Ark....Univ. of Arkansas
KUOM	500	650	461.3	Missoula, Mont....State Univ. of Montana
KUSD	250	620	483.6	Vermilion, S. D....Univ. of South Dakota
KUT	500	1290	232.4	Austin, Texas....University of Texas
KVI	250	1060	282.8	Tacoma, Wash....Puget S'nd Rad. Bdg. Co.
KVL	100	1100	272.6	Seattle, Wash.....Arthur C. Dailey
KVOO	5000	860	348.6	Tulsa, Okla....Southwestern Sales Corp.
KVOS	250	1430	209.7	Bellingham, Wash.....L. Kessler
KWBS	15	1500	199.9	Portland, Oreg.....Schaeffer Rad. Co.
KWCR	250	1250	239.9	Cedar Rapids, Iowa.....H. F. Parr
KWEA	250	1410	212.6	Shreveport, La.....Wm. E. Antony
KWG	100	870	344.6	Stockton, Calif....Port. Wireless Tel. Co.
KWJJ	50	1200	249.9	Portland, Oreg.....Wilbur Jerman
KWK	1000	1280	234.2	St. Louis, Mo....G't'r St. Louis Bdg. Corp.
KWKC	100	1350	222.1	Kansas City, Mo....Wilson Duncan Brdg.
KWKH	3500	760	394.5	Shreveport, La.....W. K. Henderson
KWLC	50	1210	247.8	Decorah, Iowa.....Luther College
KWSC	500	760	394.5	Pullman, Wash.....State Col. of Wash.

Call	Watts	Kilo.	Mets.	Location and Owner
KWTC	100	1100	272.6	Santa Ana, Cal.--Dr. John Wesley Hancock
KWUC	1500	1230	243.8	Le Mars, Iowa---Western Union College
KWWG	500	1080	277.6	Brownsville, Texas--Cham. of Commerce
KXA	500	560	535.4	Seattle, Wash.-----Amer. Radio Tel. Co.
KXL	250	1360	220.4	Portland, Oreg.-----KXL Broadcasters
KXRO	50	1340	223.7	Aberdeen, Wash.-----KXRO, Inc.
KYA	1000	830	361.2	San Francisco, Calif.--Pac. Brdstg. Co.
KYW	2500	570	526.0	Chicago, Ill.--Westinghouse E. & M. Co.
KZM	100	1300	230.6	Oakland, Calif.-----Preston D. Allen
NAA	1000	690	434.5	Arlington, Va.-----U. S. Navy
WAAD	25	1300	230.7	Cincinnati, Ohio--Ohio Mechanics Inst.
WAAF	500	770	389.4	Chicago, Ill.--Drovers Journal Pub. Co.
WAAM	250	1120	267.7	Newark, N. J.-----WAAM, Inc.
WAAT	300	1220	245.8	Jersey City, N. J.--Bremer Brdg. Corp.
WAAW	500	680	440.9	Omaha, Nebr.----Omaha Grain Exchange
WABC	2500	970	309.1	Richmond Hill, N. Y.--Atlantic Bdg. Corp.
WABF	250	1460	205.4	Kingston, Pa.-----Markle Brdstg. Corp.
WABI	100	770	389.4	Bangor, Maine--First Universalist Church
WABO	250	1180	254.1	Rochester, N. Y.-----Hickson Elec. Co.
WABW	50	1210	247.8	Wooster, Ohio-----College of Wooster
WABY	50	1210	247.8	Philadelphia, Pa.-----J. Magaldi, Jr.
WABZ	50	1260	238.0	New Orleans, La.--Coliseum Pl. Bap. Ch.
WADC	1000	1260	238.0	Akron, Ohio-----Allen T. Simmons
WAFD	100	1300	230.6	Detroit, Mich.----Albert B. Parfet Co.
WAGM	50	1330	225.4	Royal Oak, Mich.-----Robert L. Miller
WAIT	10	1400	214.2	Taunton, Mass.---A. H. Waite & Co., Inc.
WAIU	5000	1060	282.8	Columbus, Ohio---American Ins. Union
WAIZ	100	1320	227.1	Appleton, Wis.-----Irving Zuelke, Inc.
WALK	50	1490	201.2	Willow Grove, Pa.----Albert A. Walker
WAPI	1000	880	340.7	Auburn, Ala.--Alabama Polytechnic Inst.
WASH	250	1170	256.3	Grand Rapids, Mich.---Baxter Laun, Inc.
WBAA	500	1100	272.6	Lafayette, Ind.-----Purdue University
WBAK	500	1000	299.6	Harrisburg, Pa.-----Penna. State Police
WBAL	5000	1050	285.5	Glen Morris, Md.--Cons. Gas, Elec. L. & P. Co.
WBAO	100	1120	267.7	Decatur, Ill.-----Jas. Millikin University
WBAP	5000	600	499.7	Fort Worth, Texas--Carter Publications
WBAW	5000	1250	239.9	Nashville, Tenn.-----Waldrum Drug Co.
WBAX	100	1200	249.9	Wilkes-Barre, Pa.---John H. Stenger, Jr.
WBBC	250	1320	227.1	Brooklyn, N. Y.---Brooklyn Brdstg. Corp.
WBBL	100	1280	234.2	Richmond, Va.--Grace Cov. Pres. Church
WBBM	5000	770	389.4	Glenview, Ill.-----Atlas Inv. Co.

Call	Watts	Kilo.	Mets.	Location and Owner
WBBP	100	1250	239.9	Petoskey, Mich.---Petoskey High School
WBBR	1000	1170	256.3	Rossville, N. Y.---Peoples Pulpit Assn.
WBBW	100	1270	236.1	Norfolk, Va.---Ruffner, Jr. High School
WBBY	75	1200	249.9	Charleston, S. C.---Wash. Light Infantry
WBCN	500	1040	288.3	Chicago, Ill.---Great Lakes Rad. Brd. Corp.
WBES	100	1130	265.3	Salisbury, Md.---Tom F. Little
WBET	500	1040	288.3	Medford, Mass.---Boston Transcript Co.
WBIS	500	650	461.3	Boston, Mass.---Shepard Stores
WBMH	100	1420	211.1	Detroit, Mich.---Braun's Music House
WBMS	100	1500	199.9	Union City, N. J.---Geo. J. Schowerer
WBNY	500	1270	236.1	New York, N. Y.---Baruchrome Corp.
WBOQ	500	970	309.1	Richmond Hill, N. Y.---Atlan. Brdg. Corp.
WBOW	100	1440	208.2	Terre Haute, Ind.---Banks of Wabash Broadcasting Assn.
WBRC	250	990	302.8	Birmingham, Ala.---Birmingham Brdg. Co.
WBRE	100	1200	249.9	Wilkes-Barre, Pa.---Louis G. Baltimore
WBRL	500	1290	232.4	Tilton, N. H.---Booth Radio Laboratories
WBSO	100	780	284.4	Wellesley Hills, Mass.---Babson's Statist. Organization, Inc.
WBT	1000	1160	258.5	Charlotte, N. C.---C. C. Coddington
WBZ	15000	900	333.1	E. Sp'gfield, Mass.---Westingh'e E. & M. Co.
WBZA	500	900	333.1	Boston, Mass.---Westingh'e E. & M. Co.
WCAC	500	560	534.4	Storrs, Conn.---Conn. Agri. Col.
WCAD	500	1230	243.8	Canton, N. Y.---St. Lawrence University
WCAE	500	650	461.3	Pittsburgh, Pa.---Kaufman & Baer Co.
WCAH	250	1280	234.2	Columbus, Ohio---Com. Radio Serv. Co.
WCAJ	500	790	379.5	Lincoln, Nebr.---Nebr. Wesleyan Univ.
WCAL	500	1050	285.5	Northfield, Minn.---St. Olaf College
WCAM	500	1340	223.7	Camden, N. J.---City of Camden
WCAO	250	1230	243.8	Baltimore, Md.---Monumental Radio, Inc.
WCAP	500	1250	239.9	Asbury Park, N. J.---Rad. Indus. Brd. Co.
WCAT	100	1210	247.8	Rapid City, S. D.---S. D. St. Sch. of Mines
WCAU	1000	1150	260.7	Byberry, Pa.---University Brdg. Co.
WCAX	100	1180	254.1	Burlington, Vt.---University of Vermont
WCAZ	50	1200	249.9	Carthage, Ill.---Carthage College
WCBA	100	1350	222.1	Allentown, Pa.---Chas. W. Heimbach & B. Bryan Musselman
WCBD	5000	870	344.6	Zion, Ill.---Wilbur Glenn Voliva
WCBM	100	1330	225.4	Baltimore, Md.---Hotel Chateau
WCBS	250	1430	209.7	Springfield, Ill.---Harold L. Dewing
WCCO	5000	740	405.2	Anoka, Minn.---Washburn Crosby Co.

Call	Watts	Kilo.	Mets.	Location and Owner
WCDA	250	1410	212.6	Cliffside Park, N. J.---Ital. Edu. Brdg. Co.
WCFL	1500	620	483.6	Chicago, Ill.---Chicago Federation of Labor
WCGU	500	1370	218.8	Coney Island, N. Y.---U. S. Brdcast. Corp.
WCLB	100	1500	199.9	Brooklyn, N. Y.-----Arthur Faske
WCLO	100	1320	227.1	Kenosha, Wis.-----C. E. Whitmore
WCLS	150	1390	215.7	Joliet, Ill.-----WCLS, Inc.
WCMA	500	1150	260.7	Culver, Ind.---Culver Military Academy
WCOA	500	1200	249.9	Pensacola, Fla.-----City of Pensacola
WCOC	500	1300	230.6	Columbus, Miss.-----Crystal Oil Co.
WCOH	250	1420	211.1	Greenville, N. Y.---Weschester Brdg. Corp.
WCOR	100	1130	265.3	Danbury, Conn.-----Danbury Brdg. Sta.
WCOT	100	1330	225.4	Providence, R. I.-----Jacob Conn
WCRW	500	1340	223.7	Chicago, Ill.-----Clinton R. White
WCSH	500	820	365.6	Portland, Me.---Cong. Square Hotel Co.
WCSS	500	1170	256.3	Springfield, Ohio---Wittenberg College
WCWK	250	1400	214.2	Ft. Wayne, Ind.-----Chester W. Keen
WCX	5000	680	440.9	Pontiac, Mich.-----Detroit Free Press
WDAE	500	1120	267.7	Tampa, Fla.-----Tampa Publishing Co.
WDAF	1000	810	370.2	Kansas City, Mo.---Kansas City Star Co.
WDAG	1000	1140	263.0	Amarillo, Texas.---J. Laurance Martin
WDAH	100	1280	234.2	El Paso, Texas---Trinity Methodist Church
WDAY	250	550	545.1	Fargo, N. Dak.-----WDAY, Inc.
WDBJ	250	1300	230.6	Roanoke, Va.---Richardson-Wayland Elec. Corp.
WDBO	500	1040	288.3	Orlando, Fla.-----Rollins College, Inc.
WDEL	250	1010	296.9	Wilmington, Del.-----WDEL, Inc.
WDGY	500	1050	285.5	Minneapolis, Minn.---Dr. Geo. W. Young
WDOD	500	1230	243.8	Chattanooga, Tenn.---Chat. Rad. Co., Inc.
WDRC	500	1060	282.8	New Haven, Conn.---Doolittle Radio Corp.
WDSU	250	1320	227.1	New Orleans, La.-----Uhalt Radio
WDWF	250	1210	247.8	Cranston, R. I.-----Dutee W. Flint
WDZ	100	1080	277.6	Tuscola, Ill.-----James L. Bush
WEAF	50000	610	491.5	Bellmore, N. Y.---Nat. Brdg. Co., Inc.
WEAN	500	1090	275.1	Providence, R. I.-----The Shepard Co.
WEAO	750	1060	282.8	Columbus, Ohio---Ohio State University
WEAR	1000	750	399.8	Cleveland, Ohio---Willard Stor. Bat. Co.
WEBC	250	1240	241.8	Superior, Wis.-----Head of the Lakes Broadcasting Co.
WEBE	10	1210	247.8	Cambridge, Ohio-----Roy W. Waller
WEBH	500	820	365.6	Chicago, Ill.---Edgewater Beach Hotel Co.
WEBQ	15	1340	223.7	Harrisburg, Ill.---Tate Radio Company

Call	Watts	Kilo.	Mets.	Location and Owner
WEBR	200	1240	241.8	Buffalo, N. Y.-----H. H. Howell
WEBW	500	1160	258.5	Beloit, Wis.-----Beloit College
WEDC	500	1240	241.8	Chicago, Ill.-----Emil Denmark
WEDH	30	1440	208.2	Erie, Pa.-----Erie Dispatch Herald
WEEI	500	590	508.2	Boston, Mass.---Edison Elec. Il. Co. of Bos.
WEHS	100	1390	215.7	Evanston, Ill.-----Victor C. Carlson
WEMC	1000	620	483.6	Berrien Sprgs., Mich.---Em. Mis. College
WENR	500	1040	288.3	Chicago, Ill.---Great Lakes Rad. Bdg. Co.
WEPS	100	1010	296.9	Gloucester, Mass.---Math. Rad. Co., Inc.
WEVD	500	1220	245.8	Woodhaven, N. Y.---Debs Mem. Rad. Fund
WEW	1000	850	352.7	St. Louis, Mo.-----St. Louis University
WFAA	500	550	545.1	Dallas, Texas----Dallas Morning News
WFAM	10	1190	252.0	St. Cloud, Minn.----Times Pub. Co., Inc.
WFAN	500	1340	223.7	Philadelphia, Pa.---Keystone Brd. Co., Inc.
WFBC	50	1280	234.2	Knoxville, Tenn.---First Baptist Church
WFBE	250	1220	245.8	Cincinnati, Ohio---Park View Hotel Co.
WFBG	100	1120	267.7	Altoona, Pa.-----Wm. F. Gable Company
WFBJ	100	1100	272.6	Collegeville, Minn.---St. John's University
WFB�	750	1160	258.5	Syracuse, N. Y.---The Onondaga Co., Inc.
WFBM	1000	1090	275.1	Indianapolis, Ind.---Ind Power & Light Co.
WFBR	250	1230	243.8	Baltimore, Md.---Baltimore Rad. Show, Inc.
WFBZ	50	1210	247.8	Galesburg, Ill.-----Knox College
WFCI	100	1240	241.8	Pawtucket, R. I.-----Frank Crook, Inc.
WFDF	100	1100	272.6	Flint, Mich.-----Frank D. Fallain
WFI	500	740	405.2	Philadelphia, Pa.---Strawbridge & Clothier
WFIW	1000	1150	260.7	Hopkinsville, Ky.---The Acme Mills, Inc.
WFJC	500	1320	227.1	Akron, Ohio----W. F. Jones Brdg., Inc.
WFKB	500	1340	223.7	Chicago, Ill.---Francis K. Bridgman, Inc.
WFKD	50	1210	247.8	Frankford, Pa.---Foulkrod Rad. Eng. Co.
WFLA	750	580	516.9	Clearwater, Fla.---Chamber of Commerce
WGAL	15	1190	252.0	Lancaster, Pa.---Elec. Sup. & Const. Co.
WGBB	150	1220	245.8	Freeport, N. Y.-----Harry H. Carman
WGBC	15	1310	228.9	Memphis, Tenn.-----First Baptist Church
WGBF	250	1270	236.1	Evansville, Ind.---Evansville on the Air, Inc.
WGBI	250	1300	230.6	Scranton, Pa.-----Scranton Brdg., Inc.
WGBS	500	860	348.6	Astoria (L. I.), N. Y.---Gimbel Bros., Inc.
WGCM	15	1350	222.1	Gulfport, Miss.-----Gulf Coast Music Co., Inc.
WGCP	250	1120	267.7	Newark, N. J.---May Radio Brdets. Corp.
WGES	500	1240	241.8	Chicago, Ill.-----Oak Leaves Brdg. Corp.
WGHP	750	1080	277.6	Mt. Clemens, Mich.---Geo. H. Phelps, Inc.

Call	Watts	Kilo.	Mets.	Location and Owner
WGL	1000	1020	293.9	Secaucus, N. J.---International Brdg. Co.
WGM	50	1440	208.2	Jeanette, Pa.----Verne & Elton Spencer
WGMS	500	1220	245.8	Minneapolis, Minn.-----Univ. of Minn.
WGN	500	720	416.4	Chicago, Ill.-----Tribune Co.
WGOP	100	1500	199.9	Flushing, N. Y.-----Fred B. Zittell, Jr.
WGR	750	990	302.8	Buffalo, N. Y.-----Federal Radio Corp.
WGST	500	1110	270.1	Atlanta, Ga.----Ga. Sch. of Technology
WGW B	250	1110	270.1	Milwaukee, Wis.-----Evening Wis. Co.
WGY	50000	790	379.5	Schenectady, N. Y.---General Electric Co.
WHA	750	900	333.1	Madison, Wis.-----University of Wis.
WHAD	500	1110	270.1	Milwaukee, Wis.-----Marquette Univ.
WHAM	5000	1070	280.2	Rochester, N. Y.-----Stromberg Carlson Telephone Mfg. Co.
WHAP	1000	1270	236.1	Carlstadt, N. J.----Defenders of Truth Society, Inc.
WHAS	500	930	322.4	Louisville, Ky.-----The Courier Journal
WHAZ	500	980	305.9	Troy, N. Y.-----Rensselaer Poly. Inst.
WHB	500	880	340.7	Kansas City, Mo.---Sweeney Au. Sch. Co.
WHBC	10	1270	236.1	Canton, Ohio----St. John's Cath. Church
WHBD	100	1350	222.1	Bellefontaine, Ohio--First Pres. Church
WHBF	100	1350	222.1	Rock Island, Ill.----Beardsley Spec. Co.
WHBL	250	1470	204.0	Sheboygan, Wis.-----C. L. Carrell
WHBP	250	1310	228.9	Johnstown, Pa.----Johnstown Auto. Co.
WHBQ	100	1290	232.4	Memphis, Tenn.---Brdg. Sta. WHBQ, Inc.
WHBU	15	1360	220.4	Anderson, Ind.-----Citizens Bank
WHBW	100	1360	220.4	Philadelphia, Pa.-----D. R. Kienzle
WHBY	50	1200	249.9	West De Pere, Wis.---St. Norbert's College
WHDI	500	1220	245.8	Minneapolis, Minn.---Wm. Hood Dunwoody Industrial Inst.
WHEC	250	1180	254.1	Rochester, N. Y.-----Hickson Elec. Co.
WHFC	200	1390	215.7	Chicago, Ill.----Goodson & Wilson, Inc.
WHK	500	1130	265.3	Cleveland, Ohio---Rad. Air Service Corp.
WHN	500	760	394.5	New York, N. Y.-----George Schobel
WHO	5000	560	535.4	Des Moines, Iowa-----Bankers Life Co.
WHPP	10	1450	206.8	Englewood Cliffs, N. J.---Bronx Bdg. Co.
WHT	5000	980	305.9	Chicago, Ill.----Radiophone Brdstg. Co.
WIAD	100	1040	288.3	Philadelphia, Pa.-----Howard R. Miller
WIAS	100	930	322.4	Ottumwa, Iowa-----Poling Electric Co.
WIBA	100	1250	239.9	Madison, Wis.---Cap. Times-Strand The'tr
WIBG	50	680	440.9	Elkins Park, Pa.---St. Paul's P. E. Church
WIBO	5000	980	305.4	Des Plaines, Ill.---WIBO Brdstg., Inc.

Call	Watts	Kilo.	Mets.	Location and Owner
WIBR	50	1200	249.9	Steubenville, Ohio...Thurman A. Owings
WIBS	250	1470	204.4	Elizabeth, N. J...N. J. Broadcastg. Corp.
WIBU	20	1380	217.3	Poynette, Wis.....Electric Farm
WIBX	150	1260	238.0	Utica, N. Y.....WIBX, Inc.
WIBZ	15	1300	230.6	Montgomery, Ala....Alexander D. Trum
WICC	500	1130	265.3	Easton, Conn...Bridgeport Brdg. Sta., Inc.
WIL	250	1160	258.5	St. Louis, Mo....Benson Rad. Brdg. Co.
WINR	150	1420	211.1	Bay Shore, N. Y....Radiotel Mfg. Co., Inc.
WISN	250	1110	270.1	Milwaukee, Wis.....Evening Wis. Co.
WIOD	1000	1210	247.8	Miami Beach, Fla....Carl G. Fischer Co.
WIVA	100	1430	209.7	Norfolk, Va.....Radio Corp. of Va.
WIP	500	860	348.6	Philadelphia, Pa.....Gimbel Bros., Inc.
WJAD	500	900	333.1	Waco, Texas.....Frank P. Jackson
WJAG	250	1050	285.5	Norfolk, Nebr.....Norfolk Daily News
WJAK	50	1280	234.2	Kokomo, Ind.....J. A. Kautz
WJAM	250	1250	239.9	Cedar Rapids, Iowa.....D. M. Perham
WJAR	500	620	483.6	Providence, R. I...The Outlet Company
WJAS	500	1110	270.1	Pittsburgh, Pa...Pittsburgh Ra. Sup. Hse.
WJAX	1000	880	340.7	Jacksonville, Fla....City of Jacksonville
WJAY	500	1320	227.1	Cleveland, Ohio...Cleveland Ra. Brd. Corp.
WJAZ	5000	1140	263.0	Mt. Prospect, Ill....Zenith Radio Corp.
WJBA	50	1210	247.8	Joliet, Ill.....D. H. Lentz, Jr.
WJBB	250	1260	238.0	Sarasota, Fla....Financial Journal, Inc.
WJBC	100	1320	227.1	LaSalle, Ill....Hummer Furniture Co.
WJBI	250	1140	263.0	Red Bank, N. J.....Robt. S. Johnson
WJBK	15	1360	220.4	Ypsilanti, Mich....Ernest F. Goodwin
WJBL	250	1410	212.6	Decatur, Ill...Wm. Gushard Dry Goods Co.
WJBO	100	1140	263.0	New Orleans, La....Valdemar Jensen
WJBT	500	770	389.4	Chicago, Ill.....J. S. Boyd, Inc.
WJBU	100	1400	214.2	Lewisburg, Pa.....Bucknell University
WJBW	30	1260	238.0	New Orleans, La...Chas. C. Carlson, Jr.
WJBY	50	1280	234.2	Gadsden, Ala.....Electric Cons. Co.
WJBZ	100	1440	208.2	Chicago Heights, Ill...Roland G. Palmer & Antony Coppotelli
WJJD	1000	820	365.6	Mooseheart, Ill.—Supreme Lodge of the World Loyal Order of Moose
WJKS	500	1290	232.4	Gary, Ind...Johnson Kennedy Radio Corp.
WJR	5000	680	440.9	Pontiac, Mich.....WJR, Inc.
WJZ	30000	660	454.3	Bound Brook, N. J...Radio Corp. of Amer.
WKAQ	500	930	322.4	San Juan, P. R...Rad. Corp. of Porto Rico
WKAR	500	1080	277.6	E. Lansing, Mich....Mich. State College

Call	Watts	Kilo.	Mets.	Location and Owner
WKA V	50	1340	223.7	Laconia, N. H.-----Laconia Radio Club
WKBB	150	1390	215.7	Joliet, Ill.-----Sanders Bros.
WKBC	10	1370	218.8	Birmingham, Ala.-----H. L. Ansley
WKBE	100	1310	228.9	Webster, Mass.-----K. & B. Electric Co.
WKBF	250	1190	252.0	Indianapolis, Ind. Noble Butler Watson
WKBH	500	1300	230.6	LaCrosse, Wis.-----Callaway Music Co.
WKBI	50	1390	215.7	Chicago, Ill.-----Fred L. Schoenwolf
WKBN	50	1400	214.2	Youngstown, Ohio. W. P. Williamson, Jr.
WKBO	500	1370	218.8	Jersey City, N. J.-----Camith Corp.
WKB P	50	1410	212.6	Battle Creek, Mich. Enquirer-News Co.
WKBQ	500	1370	218.8	New York, N. Y. Standard Cahill Co., Inc.
WKBS	100	1380	217.3	Galesburg, Ill.-----Permil N. Nelson
WKBT	50	1190	252.0	New Orleans, La. First Baptist Church
WKBV	100	1370	218.8	Brookville, Ind. Knox Bat. & Elec. Co.
WKBW	5000	1380	217.3	Amherst, N. Y. Churchill E. Assn., Inc.
WKBZ	15	1500	199.9	Ludington, Mich.-----K. L. Ashbacher
WKDR	15	1210	247.8	S. Kenosha, Wis.-----Edward A. Dato
WKEN	250	1470	204.0	Kenmore, N. Y. Radio Sta. WKEN, Inc.
WKJC	50	1190	252.0	Lancaster, Pa.-----Kirk Johnson & Co.
WKRC	500	1220	245.8	Cincinnati, Ohio.-----Kodel Radio Corp.
WKY	150	1040	288.3	Oklahoma City, Okla. WKY Rad'ph'e Co.
WLAC	5000	1330	225.4	Nashville, Tenn. Life & Casualty Ins. Co.
WLAP	30	1120	267.7	Louisville, Ky.-----L. W. Benedict
WLB	500	1220	245.8	Minneapolis, Minn. Univ. of Minnesota
WLBC	50	1430	209.7	Muncie, Ind.-----Donald A. Burton
WLBF	50	1430	209.7	Kansas City, Kan.-----Everett L. Dillard
WLBG	500	1400	214.2	Petersburg, Va. Robert Allen Gamble
WLBH	30	1290	232.4	Farmingdale, N. Y. Joseph J. Lombardi
WLBI	250	1260	238.0	Wenona, Ill. Wenona Legion Brd'c's, Inc.
WLBL	1000	900	333.1	Stevens Pt., Wis. Wis. Dept. of Markets
WIBM	50	1300	230.6	Boston, Mass.-----Browning-Drake Corp.
WLB N	50	1470	204.0	Little Rock, Ark. Ark. Broadcasting Co.
WLB O	100	1380	217.3	Galesburg, Ill.-----Fred A. Trebbe, Jr.
WLBQ	25	1370	218.8	Atwood, Ill.-----E. Dale Trout
WLBT	50	1210	247.8	Crown Point, Ind.-----Harold Wendell
WLBV	50	1450	206.8	Mansfield, Ohio Mansfield Brdestg. Assn.
WLBW	500	1020	293.9	Oil City, Pa. Petroleum Telephone Co.
WLBX	250	1470	204.0	L. I. City, N. Y.-----John N. Brahy
WLB Y	50	1430	209.7	Iron Mountain, Mich. Aimone Electric
WLBZ	250	1440	208.2	Dover, Maine.-----Thompson L. Guernsey
WLCI	50	1210	247.8	Ithaca, N. Y. Lutheran Assn. of Ithaca

Call	Watts	Kilo.	Mets.	Location and Owner
WLEX	5	1390	215.7	Lexington, Mass.-----J. Smith Dodge
WLIB	500	720	416.4	Chicago, Ill.-----Liberty Weekly, Inc.
WLIT	500	740	405.2	Philadelphia, Pa.-----Lit Brothers
WLOE	100	1420	211.1	Chelsea, Mass.-----William S. Pate
WLS	5000	870	344.6	Chicago, Ill.-----Sears, Roebuck & Co.
WLSI	2500	1210	247.8	Cranston, R. I.-----Lincoln Studios
WLTH	250	1170	256.3	Brooklyn, N. Y.--Voice of Brooklyn, Inc.
WLTS	100	620	483.6	Chicago, Ill.-----Lane Technical H. S.
WLW	5000	700	428.3	Harrison, Ohio-----Crosley Radio Corp.
WLW	500	700	428.3	Cincinnati, Ohio----Crosley Radio Corp.
WLWL	5000	810	370.2	Kearney, N. J.-----Missionary Society
WMAC	500	1330	225.4	Casenovia, N. Y.-----Olive B. Meredith
WMAF	500	700	428.3	S. Dartmouth, Mass.--Rnd. Hts. Rad. Corp.
WMAK	750	550	545.1	Martinsville, N. Y.--WMAK Brdcstg. Sys.
WMAL	500	1240	241.8	Washington, D. C.-----M. A. Leese Co.
WMAN	50	1280	234.2	Columbus, Ohio-----W. E. Heskit
WMAQ	1000	670	447.5	Chicago, Ill.---Chicago Daily News, Inc.
WMAY	100	1280	234.2	St. Louis, Mo.---Kingshighway Pres. Ch.
WMAZ	500	1110	270.1	Macon, Ga.-----Mercer University
WMBB	5000	1190	252.0	Homewood, Ill.--Amer. Bond. & Mtg. Co.
WMBG	100	1230	243.8	Detroit, Mich.---Mich. Brdcstg. Co., Inc.
WMBD	250	1460	205.4	Peoria Hts., Ill.--Peoria Hts. Radio Lab.
WMBE	10	1440	208.2	White Bear Lake, Minn.--Dr. C. S. Stevens
WMBF	500	780	384.4	Miami Beach, Fla.--Fleetwood Hotel Corp.
WMBG	15	1360	220.4	Richmond, Va.-----Havens & Martin
WMBH	100	1470	204.0	Joplin, Mo.-----Edwin Dudley Aber
WMBI	5000	1140	263.0	Addison, Ill.-----Moody Bible Institute
WMBJ	50	1290	232.4	McKeesport, Pa.-----Rev. John W. Sproul
WMBL	100	1310	228.9	Lakeland, Fla.---Benford's Radio Studios
WMBM	10	1430	209.7	Memphis, Tenn.--Seventh Day Advent. Ch.
WMBO	100	1360	220.4	Auburn, N. Y.--Radio Serv. Laboratories
WMBQ	100	1470	204.0	Brooklyn, N. Y.-----Paul J. Gollhofer
WMBR	100	1190	252.0	Tampa, Fla.-----F. J. Reynolds
WMBB	250	1280	234.2	Lemoyne, Pa.-----Mack's Battery Co.
WMBW	50	1400	214.2	Youngstown, O.--Yngstn. Brdtg. Co., Inc.
WMC	5000	580	516.9	Memphis, Tenn.--Mphs. Com. Appeal, Inc.
WMCA	500	810	370.2	Hoboken, N. J.---Greeley Sq. Hotel Co.
WMES	50	1420	211.1	Boston, Mass.--Mass. Educational Society
WMPC	30	1280	234.2	Lapeer, Mich.--First Meth. Protestant Ch.
WMRJ	10	1450	206.8	Jamaica, N. Y.-----Peter J. Prinz
WMSG	500	1270	236.1	New York, N. Y.--Mad. Sq. Gdn. Brd. Co.

Call	Watts	Kilo.	Mets.	Location and Owner
WNAC	500	650	461.3	Boston, Mass.-----The Shepard Stores
WNAD	500	1250	239.9	Norman, Okla.---University of Oklahoma
WNAL	250	1160	258.5	Omaha, Nebr.-----R. J. Rockwell
WNAT	100	1040	288.3	Philadelphia, Pa.-----Lennig Bros. Co.
WNAX	1000	990	302.8	Yankton, S. Dak.--Gurney Seed & Nur. Co.
WNBA	200	1440	208.2	Forest Park, Ill.-----Michael T. Rafferty
WBNF	50	1450	206.8	Endicott, N. Y.---Howitt-Wood Radio Co.
WNBH	250	1150	260.7	New Bedford, Mass.---New Bed. Brd. Co.
WNBJ	50	1450	206.8	Knoxville, Tenn.---Lonsdale Bap. Church
WNBO	15	1420	211.1	Washington, Pa.---John Brownlee Spriggs
WNBQ	15	1460	205.4	Rochester, N. Y.-----Gordon P. Brown
WNBK	100	1310	228.9	Memphis, Tenn.-----John Ulrich
WNBW	5	1500	199.9	Carbondale, Pa.--Homecut Gl. & China Co.
WNBX	10	1240	241.8	Springfield, Vt.----First Cong. Ch. Corp.
WNBZ	10	1290	232.4	Saranac Lake, N. Y.-----Smith & Mace
WNJ	250	1120	267.7	Newark, N. J.-----Radio Inv. Co.
WNOX	1000	1130	265.3	Knoxville, Tenn.---Peoples Tel. & Telg. Co.
WNRC	500	1340	223.7	Greensboro, N. C.-----Wayne M. Nelson
WNYC	500	570	526.0	New York, N. Y.--Dept. of Plant & Struc.
WOAI	5000	1070	280.2	San Antonio, Texas.---South Equip. Co.
WOAN	500	1250	239.9	Lawrenceburg, Tenn.--Vaughn Sch. of Mus.
WOAX	500	1250	239.9	Trenton, N. J.-----Franklin J. Wolff
WOBT	15	1460	205.4	Union City, Tenn.-----Tittsworth Rad. Music Shop
WOBU	250	1120	267.7	Charleston, W. Va.----Charleston Radio
WOC	5000	800	374.8	Davenport, Iowa-----Palmer School
WOCL	25	1340	223.7	Jamestown, N. Y.-----A. E. Newton
WODA	1000	1020	293.9	Paterson, N. J.-----Richard E. O'Dea
WOI	2500	1130	265.3	Ames, Iowa-----Iowa State College
WOK	5000	1190	252.0	Homewood, Ill.-----Amn. B. & M. Co.
WOKO	500	1390	215.7	Mount Beacon, N. Y.----Harold E. Smith
WOKT	500	1430	209.7	Rochester, N. Y.---Titus-Ets Corporation
WOMT	100	1350	222.1	Manitowoc, Wis.-----Mikado Theatre
WOO	500	860	348.6	Philadelphia, Pa.-----John Wanamaker
WOOD	500	1150	260.7	Furnwood, Mich.----Walt. B. Stiles, Inc.
WOQ	500	880	340.7	Kans. City, Mo.----Unity Sch. of Christ
WOR	5000	710	422.3	Newark, N. J.-----L. Bamberger & Co.
WORD	5000	1190	252.0	Batavia, Ill.-----Peoples Pulpit Assn.

Call	Watts	Kilo.	Mets.	Location and Owner
WOS	500	710	422.3	Jefferson City, Mo.---State Market. Bur.
WOW	1000	590	508.2	Omaha, Nebr.---Woodmen of the World
WOWO	2500	1310	228.9	Ft. Wayne, Ind.---Main Auto Sup. Co.
WPAP	500	760	394.5	Cliffside, N. J.---Calvary Church
WPCC	500	1340	223.7	Chicago, Ill.---North Shore Cong. Ch.
WPCH	500	920	325.9	Hoboken, N. J.---Concourse Radio Corp.
WPEP	250	1390	215.7	Waukegan, Ill.---Maurice Mayer
WPG	5000	1100	272.6	Atlantic City, N. J.---Mun. of Atlantic City
WPOR	500	1270	236.1	Norfolk, Va.---Reliance Elec. Co.
WPRC	100	1430	209.7	Harrisburg, Pa.---Wilson Prtg. & Rad. Co.
WPSC	500	1000	299.8	State College, Pa.---Penn State College
WPSW	50	1450	206.8	Philadelphia, Pa.---Phila. Sch. of Wireless
WPTF	1000	550	545.1	Raleigh, N. C.---Durham Life Ins. Co.
WQAM	750	780	284.4	Miami, Fla.---Electrical Equipment Co.
WQAN	250	1300	230.6	Scranton, Pa.---Scranton Times
WQAO	500	760	394.5	Cliffside, N. J.---Calvary Baptist Ch.
WQBC	225	1390	215.7	Utica, Miss.---Utica Cham. of Com.
WQBJ	65	1250	239.9	Clarksburg, W. Va.---John Raikes
WQBZ	60	1200	249.9	Weirton, W. Va.---J. H. Thompson
WQJ	500	670	477.5	Chicago, Ill.---Calumet Brdcstg. Co.
WRAF	100	1440	208.2	La Porte, Ind.---The Radio Club, Inc.
WRAH	250	1500	199.9	Providence, R. I.---Stanley N. Read
WRAK	30	1370	282.8	Erie, Pa.---C. R. Cummins
WRAM	50	1210	247.8	Galesburg, Ill.---Lombard College
WRAN	100	1260	238.0	Reading, Pa.---Ave. Radio & Elec. Shop
WRAX	250	1410	212.6	Philadelphia, Pa.---Berachah Church, Inc.
WRBC	250	1260	238.0	Valparaiso, Ind.---Imman. Luth. Church
WRC	500	640	468.5	Washington, D. C.---Rad. Corp. of Amer.
WREC	500	1200	249.9	Whitehaven, Tenn.---WREC, Inc.
WREN	750	1180	254.1	Lawrence, Kans.---Jenny Wren Co.
WRES	50	1380	217.3	Quincy, Mass.---Harry Leonard Sawyer
WRHF	150	930	322.4	Wash, D. C.---American B'cast Co.
WRHM	1000	1150	260.7	Fridley, Minn.---Rosedale Hosp. Co., Inc.
WRJN	50	1210	247.8	Racine, Wis.---Racine Broadcasting Corp.
WRK	100	1460	205.4	Hamilton, Ohio---S. W. Doron
WRM	500	1100	272.6	Urbana, Ill.---Univ. of Illinois
WRNY	500	920	325.9	Coytesville, N. J.---Experimenter Pub. Co.
WRR	500	650	461.3	Dallas, Texas---City of Dallas

Call	Watts	Kilo.	Mets.	Location and Owner
WRUF	5000	1480	202.6	Gainesville, Fla.-----Univ. of Fla.
WRVA	1000	1180	254.1	Richmond, Va.----Larus & Bro. Co., Inc.
WSAI	5000	830	361.2	Mason, Ohio-----Crosley Radio Corp.
WSAJ	250	1340	223.7	Grove City, Pa.-----Grove City College
WSAN	100	1350	222.1	Allentown, Pa. Altn. Call Pub. Co., Inc.
WSAR	250	1410	212.6	Fall River, Mass. Doughty & Welch E.Co.
WSAX	100	1470	204.0	Chicago, Ill.-----Zenith Radio Corp.
WSAZ	100	1200	249.9	Huntington, W. Va.---McKellar Elec. Co.
WSB	1000	630	475.9	Atlanta, Ga.-----Atlanta Journal Co.
WSBC	500	1290	232.4	Chicago, Ill.----World Battery Co., Inc.
WSBF	250	1160	258.5	St. Louis, Mo.---Miss. Valley Brdstg. Co.
WSBT	500	750	399.8	South Bend, Ind.---South Bend Tribune
WSDA	500	1320	227.1	Brooklyn, N. Y.-----Amateur Spec. Co.
WSEA	500	1140	263.0	Virginia Beach, Va. Va.Bch. Brdstg. Co.
WSGH	500	1320	227.1	Brooklyn, N. Y. Amateur Radio Spec. Co.
WSIX	150	1200	249.9	Springfield, Tenn. Tire & Vulcanizing Co.
WSKC	250	1100	272.6	Bay City, Mich. World's Star Knitting Co.
WSM	5000	890	336.9	Nashville, Tenn. Nat. Life & Acc. Ins. Co.
WSMB	750	1010	296.9	New Orleans, La. Saenger Theatres, Inc.
WSMK	200	1010	296.9	Dayton, Ohio----Stanley M. Krohn, Jr.
WSPD	250	1250	239.9	Toledo, Ohio---Toledo Broadcasting Co.
WSRO	100	1270	236.1	Middletown, Ohio Harry W. Fahrlander
WSSH	100	1040	288.3	Boston, Mass.---Tremont Temple Bap. Ch.
WSUI	500	630	475.9	Iowa City, Iowa----State Univ. of Iowa
WSUN	750	580	516.9	Clearwater, Fla.---Chamber of Commerce
WSVS	50	1470	204.0	Buffalo, N. Y.---Seneca Vocational School
WSYR	500	1020	293.9	Syracuse, N. Y.-----Clive B. Meredith
WTAD	250	1270	236.1	Quincy, Ill.----Ill. Stock Medicine Corp.
WTAG	250	580	516.9	Worcester, Mass. Telegram Pub. Co., Inc.
WTAM	3500	750	399.8	Cleveland, Ohio---Willard Stor. Bat. Co.
WTAQ	500	1180	254.1	Eau Claire, Wis.-----C. S. Van Gorden
WTAR	500	1270	236.1	Norfolk, Va.----Reliance Elec. Co., Inc.
WTAS	500	1090	275.1	Elgin, Ill.-----Ill. Broadcasting Corp.
WTAW	500	620	483.6	College Station, Texas----Agri. & Mech.
WTAZ	15	1360	220.4	Richmond, Va.-----W. Reynolds, Jr.
WTAX	50	1210	247.8	Streator, Ill.----Williams Hardware Co.
WTFF	10000	1480	202.6	Mt. Vernon Hills, Va.---Inde'd't Pub. Co.
WTFI	500	1430	209.7	Toccoa, Ga.-----Toccoa Falls Institute

Call	Watts	Kilo.	Mets.	Location and Owner
WTHS	200	1320	227.1	Atlanta, Ga. Atlanta Technological H. S.
WTIC	500	560	535.4	Hartford, Conn. Travelers Ins. Co.
WTMJ	1000	1020	293.9	Brookfield, Wis. Milwaukee Journal
WTHL	15	1450	206.8	Midland Park, N. J. Tech. Radio Lab.
WWAE	500	1320	227.1	Chicago, Ill. Dr. G. F. Courier
WWJ	1000	850	352.7	Detroit, Mich. The Detroit News
WWL	500	1220	245.8	New Orleans, La. Loyola University
WWNC	1000	1010	296.9	Asheville, N. C. Chamber of Commerce
WWRL	100	1500	199.9	Woodside, N. Y. W. H. Reuman
WWVA	250	580	516.9	Wheeling, W. Va. J. C. Stroebel, Jr.

**STATEMENT OF THE OWNERSHIP, MANAGEMENT, CIRCULATION, ETC., REQUIRED BY THE ACT OF CONGRESS
OF AUGUST 24, 1912**

of "Stevenson's Bulletin of Radio Broadcasting Stations," published quarterly, at Washington, D. C., for April 1, 1928. District of Columbia, City of Washington, ss: Before me, a Notary Public in and for the District of Columbia aforesaid, personally appeared W. W. Rapley, who, having been duly sworn according to law, deposes and says that he is the Business Manager of "Stevenson's Bulletin of Radio Broadcasting Stations," and that the following is, to the best of his knowledge and belief, a true statement of the ownership, management, etc., of the aforesaid publication for the date shown in the above caption, required by the Acts of August 24, 1912, embodied in section 443, Postal Laws and Regulations, to wit:

1. That the names and addresses of the publisher, editor, and business manager are: Publisher, Stevenson's Radio Bulletin, a corporation, 1220 H Street N. W., Washington, D. C.; Editor, Thomas Stevenson, 1220 H Street N. W., Washington, D. C.; Managing Editor, none; Business Manager, W. W. Rapley, 1220 H Street N. W., Washington, D. C.

2. That the owner is: Stevenson's Radio Bulletin, a corporation; Thomas Stevenson, 1220 H Street N. W., Washington, D. C., W. W. Rapley, 1220 H Street N. W., Washington, D. C., and Blaine Mallan, Transportation Building, Washington, D. C.

3. That the known bondholders, mortgagees, and other security holders own-

ing or holding 1 per cent or more of total amount of bonds, mortgages, or other securities; None.

4. That the two paragraphs next above, giving the names of the owners, stockholders, and security holders, if any, contain not only the list of stockholders and security holders as they appear upon the books of the company but, also, in cases where the stockholder or security holder appears upon the books of the company as trustees or in any other fiduciary relation, the name of the person or corporation for whom such trustee is acting is given; also that the said two paragraphs contain statements embracing affiant's full knowledge and belief as to the circumstances and conditions under which stockholders and security holders who do not appear upon the books of the company as trustees, hold stock and securities in a capacity other than that of a bona fide owner: and this affiant has no reason to believe that any other person, association, or corporation has any interest direct or indirect in the said stocks, bonds, or other securities than as so stated by him.

W. W. RAPLEY, Business Manager.

Sworn to and subscribed before me this 2d day of April, 1928.

[Seal] JESSIE M. TAYLOR.

Notary Public, District of Columbia.

(My Commission expires March 20, 1929.)

CANADIAN BROADCASTING STATIONS

Station	Meters	K. C.	Watts	Location and Owner
CFAC	434.5	690	500	Calgary, Alberta----The Calgary Herald
CFCA	356.9	840	500	Toronto, Ont.--Star Publishing & Ptg. Co.
CFCF	410.7	730	1650	Montreal, Quebec--Canadian Marconi Co.
CFCH	499.7	600	250	Iroquois Falls, Ont.----Abitibi Power & Paper Co.
CFCN	434.5	690	1800	Calgary, Alta.--Rad. Serv. & Rep. Shop
CFCQ	410.7	730	20	Vancouver, B. C.--Sprott Shaw Rad. Co.
CFCT	329.5	910	500	Victoria, B. C.-----G. W. Deaville
CFCY	312.3	960	10	Charlottetown, P. E. I.--The Is. Radio Co.
CFGC	296.9	1010	50	Brantford, Ont.----Brant Radio Sup. Co.
CFJC	267.7	1120	15	Kamloops, B. C.-----Dagleash & Sons
CFLC	296.9	1010	50	Prescott, Ont.-----Radio Association
CFMC	267.7	1120	20	Kingston, Ont.-----Monarch Battery Co.
CFNB	247.8	1210	25	Fredericton, N. B.--J. S. Neill & Sons, Ltd.
CFQC	329.5	910	500	Saskatoon, Sask.-----The Electric Shop
CFRB	291.1	1030	1000	King, Ont.-----Std. Radio Mfg. Co.
CFRC	267.7	1120	500	Kingston, Ont.-----Queen's University
CFYC	410.7	730	500	Burnaby, B. C.-----Bible Students Assn.
CHCO	247.8	1210	5	Huntsville, Ont.-----A. Staples
CHCS	340.7	880	10	Hamilton, Ont.--The Hamilton Spectator
CHCY	516.9	580	250	Edmonton, Alta.--Bible Students Assn.
CHGS	267.7	1120	25	Summerside, P. E. I.-----R. T. Holman
CHIC	356.9	840	500	Toronto, Ont.-----Northern Electric Co.
CHLC	267.7	1120	25	Summerside, P. E. I.-----R. T. Holmes
CHMA	516.9	580	250	Edmonton, Alta.--Christian & Mis. Al'ance
CHNC	356.9	840	500	Toronto, Ont.--Toronto Rad. Resrch. Sec.
CHNS	322.4	930	100	Halifax, N. S.-----Northern Elec. Co.
CHPC	410.7	730	1000	Vancouver, B. C.--Central Pres. Church
CHRC	340.7	880	5	Quebec, Que.-----E. Fontaine
CHSC	267.7	1120	50	Unity, Sask.-----H. N. Stovin
CHUC	329.5	910	500	Saskatoon, Sask.----Intl. Bible Stu. Assn.
CHWC	312.3	960	15	Regina, Sask.-----R. H. Williams & Sons
CHXC	434.5	690	250	Ottawa, Ont.-----J. R. Booth, Jr.
CHYC	410.7	730	750	Montreal, Que.-----Northern Electric Co.
CJBC	356.9	840	500	Toronto, Ont.----Jarvis St. Bap. Church
CJBR	312.3	960	500	Regina, Sask.-----Coop. Wheat Producers
CJCA	516.9	580	500	Edmonton, Alta.--Edmonton Journal, Ltd.

Station	Meters	K. C.	Watts	Location and Owner
CJ CJ	434.5	690	250	Calgary, Alta.---Rad. Serv. & Rep. Shop
CJ CU	247.8	1210	5	Mission City, B. C.-----E. R. Streeter
CJ GC	329.5	910	500	London, Ont.---London Free Press Ptg. Co.
CJ GX	475.9	630	500	Yorkton, Sask.-----Grain Exchange
CJ OR	291.1	1028	50	Sea Island, B. C.-----G. C. Chandler
CJ RM	296.9	1010	50	Moosejaw, Sask.----J. Richardson & Sons
CJ SC	356.9	840	500	Toronto, Ont.-----Evening Telegram
CJ WC	329.5	910	250	Saskatoon, Sask.---Wheaton Electric Co.
CJ YC	291.1	1028	500	Scarboro, Ont.-----Universal Radio Co.
CK AC	410.7	730	1200	Montreal, Que.---La Presse Publishing Co.
CK CD	410.7	730	1000	Vancouver, B. C.---Vanc. Daily Providence
CK CI	340.7	880	25	Quebec, Que.-----L. Soleil, Ltd.
CK CK	312.3	960	500	Regina, Sask.-----Leader Publishing Co.
CK CL	356.9	840	500	Toronto, Ont.---The Dominion Battery Co.
CK CO	434.5	690	100	Ottawa, Ont.-----Dr. G. M. Geldert
CK CV	340.7	880	50	Quebec, Que.-----G. A. Vandry
CK CW	312.3	960	5000	Bowmanville, Ont.---Gooderham & Woorts
CK CX	291.9	1030	500	Scarboro, Ont.-----Int'l Bible Ass'n
CK FC	410.7	730	50	Vancouver, B. C.-----Unity Church
CK LC	356.9	840	1000	Red Deer, Alta.-----Pac. Grain Co.
CK MC	247.8	1210	5	Cobalt, Ont.-----R. L. MacAdam
CK NC	356.9	840	500	Toronto, Ont.-----Can. Nat. Carbon Co.
CK OC	340.7	880	50	Hamilton, Ont.---Wentworth Rad. Sup. Co.
CK PC	247.8	1210	10	Preston, Ont.-----W. Russ
CK PR	267.7	1120	50	Midland, Ont.-----E. O. Swan
CK SH	312.3	960	50	St. Hyacinthe, Que.---Municipal Station
CK SM	291.1	1030	1000	Toronto, Ont.----St. Michaels Cathedral
CK UA	516.9	580	500	Edmonton, Alta.----University of Alta.
CK WX	410.7	730	10	Vancouver, B. C.-----A. Holstead
CK Y	384.4	780	500	Winnipeg, Man.---Provincial Government
CN RA	322.4	930	500	Moncton, N. B.----Canadian Natl. Rys.
CN RC	434.5	690	750	Calgary, Alta.----Canadian Natl. Rys.
CN RE	516.9	580	500	Edmonton, Alta.----Canadian Natl. Rys.
CN RM	410.7	730	1650	Montreal, Que.-----Canadian Natl. Rys.
CN RO	434.5	690	500	Ottawa, Ont.-----Canadian Natl. Rys.
CN RQ	340.7	880	50	Quebec, Que.-----Canadian Natl. Rys.
CN RR	312.3	960	500	Regina, Sask.-----Canadian Natl. Rys.
CN RS	329.5	910	500	Saskatoon, Sask.----Canadian Natl. Rys.
CN RT	356.9	840	500	Toronto, Ont.-----Canadian Natl. Rys.
CN RV	291.1	1030	500	Vancouver, B. C.---Canadian Natl. Rys.
CN RW	384.4	780	500	Winnipeg, Man.----Canadian Natl. Rys.

CUBAN BROADCASTING STATIONS

Station	Meters	K. C.	Watts	Location and Owner
PWX	399.8	750	500	Habana-----Cuban Tel. Co.
2OK	348.6	860	100	Habana-----Mario Garcia Velez
2OL	275	1090	100	Habana-----Oscar Callado Orta
6BY	260.7	1150	200	Cienfuegos-----Jose Ganduxe
6JK	275	1090	100	Tuincu-----Frank H. Jones
6KW	340.7	880	4000	Tuincu-----Frank H. Jones
7SR	249.9	1200	100	Elia-----Salvador Rionda

MEXICAN BROADCASTING STATIONS

Station	Meters	K. C.	Watts	Location and Owner
CYA	299.8	1000	500	Mexico City-----E. R. Gomez
CYB	275	1090	1000	Mexico City-----El Buen Tono
CYF	265.3	1130	100	Oaxaca-----Fredrico Zonilla
CYH	374.8	800	100	Mexico City-----La High Life
CYJ	399.8	750	2000	Mexico City-----General Electric
CYL	399.8	750	500	Mexico City---Universal Casa del Radio
CYO	428.3	700	100	Mexico City-----N. Y. Zetima
CYQ	322.4	930	100	Tampico-----Cipriano Sagaon
CYR	475.9	630	250	Mazathan -----Castulo Llamas
CYU	312.3	960	100	Puebla -----Augustin P. Zaenz
CYX	325.9	910	500	Mexico City-----Excelsior
CYY	545.1	550	100	Merida -----Partido Socialiste
CZE	348.6	860	500	Mexico City---Department of Education
CZF	309.1	970	250	Chiluhua -----State Government

HAITI BROADCASTING STATIONS

HHK	361.2	830	1000	Port au Prince-----Haitian Government
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SALVADOR BROADCASTING STATIONS

AQM	483.6	620	500	Salvador-----Division of Tel. & Tel.
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LOCATION OF ALL NORTH AMERICAN BROADCASTING STATIONS

Here is an alphabetical list of all cities in North America with broadcasting stations; it is of value when the call of the station is missed but the name of the city is heard; it includes American, Canadian, Mexican, Cuban and Haitian stations.

Aberdeen, Wash.	KXRO	Brooklyn, N. Y.	WSGH, WCLB,
Akron, Ohio	WADC, WFIC	WSDA, WBBC, WLTH, WMBQ,	
Allentown, Pa.	WCBA, WSAN	Brookville, Ind.	WKBV
Altoona, Pa.	WFBG	Brownsville, Texas	KWWG
Alva, Okla.	KGFF	Buffalo, N. Y.	WEBR, WGR,
Amarillo, Texas	KGRS, W DAG		WSVS.
Ames, Iowa	WOI	Burbank, Calif.	KELW
Amherst, N. Y.	WKBW	Burlington, Vt.	WCAX
Anchorage, Alaska	KFQD	Burnaby, B. C., Canada	CFYC
Anderson, Ind.	WHBU	Byberry, Pa.	WCAU
Anita, N. D.	KGFN	Calgary, Alta., Canada	CFAC, CFNC,
Anoka, Minn.	WCCO		CJ CJ, CNRC.
Appleton, Wis.	WAIZ	Cambridge, Ohio	WEBE
Arlington, Va.	NAA	Camden, N. J.	WCAM
Asbury Park, N. J.	WCAP	Canton, N. Y.	WCAD
Asheville, N. C.	WWNC	Canton, Ohio	WHBC
Astoria, Oreg.	KFJI	Cape Girardeau, Mo.	KFVS
Astoria (L. I.), N. Y.	WGBS	Carbondale, Pa.	WNBW
Atlanta, Ga.	WGST, WSB, WTHS	Carlstadt, N. J.	WHAP
Atlantic City, N. J.	WPG	Cartersville, Mo.	KFPW
Atwood, Ill.	WLBQ	Carthage, Ill.	WCAZ
Auburn, Ala.	WAPI	Cazenovia, N. Y.	WMAC
Auburn, N. Y.	WMBO	Cedar Grove, La.	KGGH
Austin, Texas	KUT	Cedar Rapids, Iowa	KWCR, WJAM
Avalon, Calif.	KFWO	Central City, Nebr.	KGES
Baltimore, Md.	WBAL, WCAO,	Charleston, S. C.	WBBY
	WFBR, WCBM.	Charleston, W. Va.	WOBU
Bangor, Maine	WABI	Charlotte, N. C.	WBT
Barrett, Minn.	KGDE	Charlottetown, P. E. I., Canada	CFCY
Batavia, Ill.	WORD	Chattanooga, Tenn.	WDOD
Battle Creek, Mich.	WKBP	Chelsea, Mass.	WLOE
Bay City, Mich.	WSKC	Chicago, Ill.	KFKX, KYW, WAAF,
Bayshore, N. Y.	WINR		WBBM, WBCN, WCFI, WCRW,
Beaumont, Texas	KFDM		WEBH, WEDC, WENR, WFKB,
Bellingame, Wash.	KVOS		WGES, WGN, WHFC, WHT,
Bellefontaine, Ohio	WBBD		WJBT, WKBI, WLBI, WLS, WLTS,
Bellmore, N. Y.	WEAF		WMAQ, WMBI, WOK, WPC,
Beloit, Wis.	WEBW		WQJ, WSAX, WSBC, WWAE.
Berkeley, Calif.	KRE	Chicago Heights, Ill.	WJBZ
Berrien Springs, Mich.	WEMC	Chiluhua, Mexico	CZF
Billings, Mont.	KGHL	Chickasha, Okla.	KOCW
Birmingham, Ala.	WBRC, WKBC	Cienfuegos, Cuba	6BY
Bismarck, N. D.	KFYR	Cincinnati, Ohio	WAAD, WFBE,
Blytheville, Ark.	CLCN		WKRC, WLW.
Boise, Idaho	KFAU	Clarinda, Iowa	KSO
Boone, Iowa	KFGQ	Clarksburg, W. Va.	WQBJ
Boston, Mass.	WBET, WBIS, WBZA,	Clay Center, Nebr.	KMMJ
	WBEI, WLBM, WMES, WNAC,	Clearwater, Fla.	WSUN, WFLA
	WSSH.	Cleveland, Ohio	WEAR, WHK
Boundbrook, N. J.	WJZ		WJAY, WTAM.
Bowmanville, Ont.	CKCW	Cliffside, N. J.	WCDA, WPAP, WQAO
Brantford, Ont., Canada	CFGC	Cobalt, Ont., Canada	CKMC
Breckenridge, Texas	KFYO	College Station, Texas	WTAW
Brookfield, Wis.	WTMJ	Collegeville, Minn.	WFBJ
Brookings, S. D.	KFDY, KGCR	Colorado Springs, Colo.	KFUM

Columbia, Mo.	KFRU	Galveston, Texas	KFLX, KFUL
Columbus, Miss.	WCOC	Gary, Ind.	WJKS
Columbus, Nebr.	KGBY	Glendale, Calif.	KGFH
Columbus, Ohio	WAIU, WCAH,	Glenview, Ill.	WBMB
WEAO, WMAN.		Gloucester, Mass.	WEPS
Concordia, Kans.	KGCN	Grand Forks, N. D.	KFJM
Coney Island, N. Y.	WCGU	Grand Island, Nebr.	KGBO
Corvallis, Oreg.	KOAC	Grand Rapids, Mich.	WASH
Council Bluffs, Iowa	KOIL	Greeley, Colo.	KFKA
Coytesville, N. J.	WRNY	Greensboro, N. C.	WNRC
Cranston, R. I.	WDWF, WLSI	Greenville, N. Y.	WCOH
Crown Point, Ind.	WLBT	Greenville, Texas	KFPM
Culver, Ind.	WCMA	Grove City, Pa.	WSAJ
Culver City, Calif.	KFVD	Gulfport, Miss.	WGCM
Dallas, Texas	KRLD, WFAA, WRR	Gunnison, Colo.	KFHA
Danbury, Conn.	WCON	Habana, Cuba	PWX, 20K, 20L
Davenport, Iowa	WOC	Hallock, Minn.	KGFK
Dayton, Ohio	WSMK	Hardin, Mont.	KGHP
Decatur, Ill.	WJBL, WBAO	Harlingen, Texas	KHMC
Decorah, Iowa	KGCA, KWLC	Harrisburg, Ill.	WEBQ
Dell Rapids, S. D.	KGDA	Harrisburg, Pa.	WBAK, WPRC
Denver, Colo.	KFEL, KFUP, KFXF,	Harrison, Ohio	WLW
KLZ, KOA, KOW, KPOF.		Hartford, Conn.	WTIC
Des Moines, Iowa	WHO	Havre, Mont.	KFBB
Des Plaines, Ill.	WIBO	Halifax, N. S., Canada	CHNS
Detroit, Mich.	WAFD, WBMH, WWJ,	Hamilton, Ont., Canada	CHCS, CKOS
WMBC.		Hoboken, N. J.	WPCH
Devils Lake, N. D.	KDLR	Hamilton, Ohio	WRK
Dover, Maine	WLBS	Hollywood, Calif.	KFQZ, KMTR,
Dublin, Texas	KFPL	KNX.	
Easton, Conn.	WICC	Holy City, Calif.	KFQU
Eau Claire, Wis.	WTAQ	Homewood, Ill.	WMBB, WOK
Edgewater, Colo.	KFXJ	Honolulu, Hawaii	KGHB, KGU
Edmonton, Alta., Canada	CHCY,	Hopkinsville, Ky.	WFIW
CHMA, CJCA, CKUA, CNRE.		Hot Springs, Ark.	KTHS
El Centre, Calif.	KGEN	Houston, Texas	KPRC, KTUE
Elgin, Ill.	WTAS	Humboldt, Nebr.	KGDW
Elia, Cuba	7SR	Huntington, W. Va.	WSAZ
Elizabeth, N. J.	WIBS	Independence, Kans.	KFVG
Elkins Park, Pa.	WIBG	Independence, Mo.	KMBC, KLDL
El Paso, Texas	WDAH	Indianapolis, Ind.	WFBM, WKBF
Endicott, N. Y.	WNBF	Inglewood, Calif.	KMIC
Erie, Pa.	WEDH	Iowa City, Iowa	KGFB, WSUI
Eugene, Oreg.	KORE	Iron Mountain, Mich.	WLBY
Evanston, Ill.	WEHS	Iroquois Falls, Ont., Canada	CFCH
Evansville, Ind.	WGBF	Ithaca, N. Y.	WLCI
Everett, Wash.	KFBL	Jacksonville, Fla.	WJAX
Fall River, Mass.	WSAR	Jamaica, N. Y.	WMRJ
Fargo, N. D.	WDAY	Jamestown, N. Y.	WOCL
Farmingdale, N. Y.	WLBS	Jeanette, Pa.	WGM
Fayetteville, Ark.	KUOA	Jefferson City, Mo.	WOS
Flagstaff, Ariz.	KFXJ	Jerome, Idaho	KFXD
Flint, Mich.	WFDF	Jersey City, N. J.	WKBO, WAAT
Flushing, N. Y.	WGOP	Johnstown, Pa.	WHBP
Fond du Lac, Wis.	KFTZ	Joliet, Ill.	WCLS, WJBA, WKBB
Forest Park, Ill.	WNBA	Joplin, Mo.	WMBH
Fort Dodge, Iowa	KFJY	Juneau, Alaska	KFIU
Fort Morgan, Colo.	KGEW	Kalispell, Mont.	KGEZ
Fort Wayne, Ind.	WOWO, WCWK	Kamloops, B. C., Canada	CFJC
Fort Worth, Texas	KFQB, KFJZ,	Kansas City, Kans.	WDAF
WBAP.		Kansas City, Mo.	KWKC, WLB
Frankford, Pa.	WFKD	WHB, WOQ.	
Fredericton, N. B., Canada	CFNB	Kearney, N. J.	WLWL
Freeport, N. Y.	WGBB	Kellogg, Idaho	KFBY
Fresno, Calif.	KMJ	Kenmore, N. Y.	WKEN
Fridley, Minn.	WRHM	Kenosha, Wis.	WCLO
Furnwood, Mich.	WOOD	Ketchikan, Alaska	KGBU
Gadsden, Ala.	WJBY	King, Ont., Canada	CFRB
Gainesville, Fla.	WRUF	Kingston, Ont., Canada	CFMC
Galesburg, Ill.	WFBZ, WKBS, WLBO,	Kingston, Pa.	WABF
WRAM.		Kirksville, Mo.	KFKZ

Kirkwood, Mo.	KMOX	Muscatine, Iowa	KPNP, KTNT	
Knoxville, Tenn.	WFBC, WNBJ, WNOX	Nashville, Tenn.	WBAW, WLAC, WSM	
Kokomo, Ind.	WJAK	Newark, N. J.	WAAM, WGCP, WNJ, WOR.	
Lacey, Wash.	KGY	New Bedford, Mass.	WNBH	
Laconia, N. H.	WKAV	New Haven, Conn.	WDRU	
La Crosse, Wis.	WKBH	New Orleans, La.	WABZ, WDSU, WJBO, WJBW, WKBT, WSMB, WWL.	
Lafayette, Ind.	WBAA	New York, N. Y.	WBNY, WBBQ, WEAJ, WEBJ, WGBS, WGL, WHAP, WHN, WHPP, WJZ, WKBQ, WLWL, WMCA, WMSG, WNYC, WRNY, WSDA.	
Lakeland, Fla.	WMBL	Norfolk, Neb.	WJAG	
Lancaster, Pa.	WGAL, WKJC	Norfolk, Va.	WBBW, WPOR, WIVA, WOAN, WSTAR.	
Lansing, Mich.	WKAR	Norman, Okla.	WNAD	
La Porte, Ind.	WRAF	Northfield, Minn.	KFMX, WCAL	
Lapeer, Mich.	WMPC	Oakland, Calif.	KFUS, KFWM, KGO, KLS, KLX, KTAB, KZM.	
Laramie, Wyo.	KFBU	Oaxaca, Mexico	CYF	
La Salle, Ill.	WJBC	Ogden, Utah	KFUR	
Lawrence, Kans.	KFKU, WREN	Oil City, Pa.	WLBW	
Lawrenceburg, Tenn.	WOAN	Oklahoma City, Okla.	KFJF, KFJR, KGCB, KGFG, WKY.	
Lemars, Iowa	KWUC	Oldham, S. D.	KGDY	
Lemoyne, Pa.	WMBS	Omaha, Nebr.	WAAW, WOV, WNAL, KFOX, KOCH.	
Lewisburg, Pa.	WJBU	Ontario, Calif.	KFWC	
Lexington, Mass.	WLEX	Orlando, Fla.	WDBO	
Lincoln, Nebr.	KFAB, WCAJ, KFOR	Oskaloosa, Iowa	KPHL	
Little Rock, Ark.	WLBN	Ottawa, Ont., Canada	CKCO, CNRO	
London, Ont., Canada	CJGC	Ottumwa, Iowa	WIAS	
Long Beach, Calif.	KFON, KGER	Pasadena, Calif.	KPPC, KPNS	
Long Island City, N. Y.	WLBX	Paterson, N. J.	WODA	
Los Angeles, Calif.	KEJK, KFI, KPFR, KFSG, KFWE, KGEF, KGJF, KHJ, KPLA, KTBI.	Pawtucket, R. I.	WFCl	
Louisville, Ky.	WHAS, WLAP	Pensacola, Fla.	WCOA	
Ludington, Mich.	WKBZ	Peoria, Ill.	WMBD	
Macon, Ga.	WMAZ	Petersburg, Va.	WLBG	
Madison, Wis.	WHA, WIBA	Petoskey, Mich.	WBBP	
Mandan, N. D.	KGCU	Philadelphia, Pa.	WABY, WFAN, WFI, WBBW, WIAD, WIP, WLIT, WNAT, WOO, WPSW, WRAX.	
Manhattan, Kans.	KSAC	Phoenix, Ariz.	KFAD, KFCE, Picher, Okla.	KGGF
Manitowoc, Wis.	WOMT	Pierre, S. Dak.	KGFX	
Mansfield, Ohio	WLBV	Pittsburgh, Pa.	KDKA, KQV, WCAE, WJAS.	
Marshalltown, Iowa	KFJB	Pocatello, Idaho	KSEI	
Marshfield, Oreg.	KOOS	Pontiac, Mich.	WCX	
Martinsville, N. Y.	WMAK	Portland, Maine	WCSE	
Mason, Ohio	WSAI	Portland, Oreg.	KEX, KFBC, KFIF, KFJR, KGW, KOIN, KTBR, KWBS, KWWJ, KXL.	
Mazatlan, Mexico	CYR	Port au Prince, Haiti	HHK	
McKeesport, Pa.	WMBJ	Poynette, Wis.	WIBU	
Medford, Oreg.	KMBD	Prescott, Ariz.	KPJM	
Memphis, Tenn.	WGBC, WHBQ, WMBM, WMC, WNBK.	Prescott, Ont., Canada	CFLC	
Merida, Mexico	CYY	Providence, R. I.	WCOT, WEAN, WJAB, WRAH.	
Mexico City, Mexico	CYA, CYB, CYH, CYJ, CYL, CYO, CYX, CZE.	Pueblo, Mexico	CYU	
Miami, Fla.	WMBF, WIOD, WOAM	Pueblo, Colo.	KGDF, KGHA, KGHF	
Middletown, Ohio	WSRO	Pullman, Wash.	KWSC	
Midland, Ont., Canada	CKPR	Quebec, Que., Canada	CHRC, CKCV, CKCI, CNRQ.	
Midland Park, N. J.	WTRL	Quincy, Ill.	WTAD	
Milford, Kans.	KFKB	Quincy, Mass.	WRES	
Milwaukee, Wis.	WGWB, WHAD, WISN.	Racine, Wis.	WRJN	
Minneapolis, Minn.	KFDZ, KGEQ, WDGJ, WHDI, WLB, WGMS.	Raleigh, N. C.	WPTF	
Mission City, B. C., Canada	CJCU	Rapid City, S. D.	WCAT	
Missoula, Mont.	KGHD			
Moncton, N. B., Canada	CNRA			
Montgomery, Ala.	WIBZ			
Montreal, Que., Canada	CFCF, CHYC, CKAC, CNRM.			
Moose Jaw, Sask., Canada	CJRN			
Mooseheart, Ill.	WJJD			
Mt. Beacon, N. Y.	WOKO			
Mt. Clemens, Mich.	WGHP			
Mt. Prospect, Ill.	WJAZ			
Mt. Vernon Hills, Va.	WTFF			
Muncie, Ind.	WLBC			

Raton, N. M.	KGFL	State College, Pa.	WPSC
Ravenna, Neb.	KGFV	Steubenville, Ohio	WIBR
Reading, Pa.	WRAW	Stevens Point, Wis.	WLBL
Red Bank, N. J.	WJBI	Stockton, Calif.	KGDM, KWG
Red Deer, Alta., Canada	CHLC	Storrs, Conn.	WCAC
Red Oak, Iowa	KICK	Streator, Ill.	WTAX
Regina, Sask., Canada	CHWC, CKCK, C7BR, CNRR.	Summerside, P. E. I., Canada	CHGS
Richmond, Va.	WBBL, WMBG, WRVA, WTAZ.	Superior, Wis.	WBCB
Richmond Hill, N. Y.	WABC, WBOQ	Syracuse, N. Y.	WFBL, WSYR
Roanoke, Va.	WDBJ	Tacoma, Wash.	KMO, KYI
Rochester, N. Y.	WABO, WHAM, WHEC, WNBQ, WOKT.	Tampa, Fla.	WDAE, WMBR
Rockford, Ill.	KFLV	Tampico, Mexico	CYQ
Rock Island, Ill.	WHBF	Taunton, Mass.	WAIT
Rossville, N. Y.	WBBR	Terre Haute, Ind.	WBOW
Royal Oak, Mich.	WAGM	Toccoa, Ga.	WTFI
Sacramento, Calif.	KFBK	Tilton, N. H.	WBRL
Salisbury, Md.	WBES	Toledo, Ohio	WSPD
Salt Lake City, Utah	KDYL, KFUT, KSL.	Toronto, Ont., Canada	CFCA, CHIC, CHNC, CJBC, CJSC, CKCL, CKNC, CKSN, CNRT.
Salvador, Salvador	AQM	Trenton, N. J.	WOAX
San Angelo, Texas	KGFI	Troy, N. Y.	WHAZ
San Antonio, Texas	KGCI, KGDR, KGRC, KTAP, K TSA, WOA1.	Tucson, Ariz.	KGAR
San Diego, Calif.	KGB, KFSD	Tuineu, Cuba	6JK, 6KW
San Francisco, Calif.	KFRC, KFWI, KGGT, KJBS, KPO, KYA.	Tulsa, Okla.	KVOO
San Jose, Calif.	KQW	Tuscola, Ill.	WDZ
San Juan, P. R.	WKAQ	Union City, N. J.	WMBS
Santa Ana, Calif.	KWTC	Union City, Tenn.	WOBT
Santa Barbara, Calif.	KFCR	Unity, Sask., Canada	CHSC
Santa Maria, Calif.	KSMR	Urbana, Ill.	WRM
Santa Monica, Calif.	KNRC	Utica, Miss.	WQBC
Saranac Lake, N. Y.	WNBZ	Utica, N. Y.	WIBX
Sarasota, Fla.	WJBB	Valparaiso, Ind.	WRBC
Saskatoon, Sask., Canada	CFQC, CHUC, CJWC, CNRS.	Vancouver, B. C., Canada	CFQC, CKCD, CKFC, CHPC, CKWX, CNRV.
Scarboro, Ont., Canada	CJYC, CKCX	Vermillion, S. D.	KUSD
Schenectady, N. Y.	WGY	Victoria, B. C.	CFCT
Scranton, Pa.	WQAN, WGBI	Vida, Mont.	KGCC
Sea Island, B. C., Canada	CJOR	Virginia Beach, Va.	WSEA
Seattle, Wash.	KFOA, KFQW, KJR, KKP, KOMO, KPCB, KPQ, KRSC, KTW, KUJ, KVL, KXA.	Waco, Texas	WJAD
Secaucus, N. J.	WGL	Washington, D. C.	WMAL, WRC, WRHF.
Sheboygan, Wis.	WHBL	Washington, Pa.	WNBO
Shenandoah, Iowa	KFNF, KMA	Waukegan, Ill.	WPEP
Shreveport, La.	KFDX, KRMD, KSBA, KWEA, KWKH.	Wayne, Neb.	KGCH
Sioux City, Iowa	KFMR, KSCJ	Webster, Mass.	WKBE
Sioux Falls, S. D.	KSOO	Weirton, W. Va.	WQBZ
Slayton, Minn.	KGHC	Wellesley Hill, Mass.	WBSO
South Bend, Ind.	WSBT	Wenona, Ill.	WLBI
South Dartmouth, Mass.	WMAF	Wescott, Minn.	KSTP
South Kenosha, Wis.	WKDR	West de Pere, Wis.	WHBY
Spokane, Wash.	KHQ, KFIO, KFPX, KGA.	Wheeling, W. Va.	WWVA
Springfield, Ill.	WCBS	White Bear Lake, Minn.	WMBE
Springfield, Mass.	WBZ	White Haven, Tenn.	WREB
Springfield, Ohio	WCSS	Wichita, Kans.	KFH
Springfield, Tenn.	WSIX	Wilkes-Barre, Pa.	WBAX, WBRE
Springfield, Vt.	WNBZ	Willow Grove, Pa.	WALK
St. Cloud, Minn.	WEAM	Wilmington, Del.	WDEL
St. Hyacinthe, Que., Canada	CKSH	Winnipeg, Manitoba, Canada	CKY, CNRW.
St. Joseph, Mo.	KFEQ, KGBX	Woodside, N. Y.	WWRL
St. Louis, Mo.	KFQA, KFUD, KFWF, KSD, KWK, WEW, WIL, WMAY, WSBF.	Woodhaven, N. Y.	WEVD
State College, N. M.	KOB	Wooster, Ohio	WABW
		Worcester, Mass.	WTAG
		Yankton, S. D.	WNAX
		York, Neb.	KGBZ
		Yorkton, Sask., Canada	CJGX
		Youngstown, Ohio	WKBN, WMBW
		Ypsilanti, Mich.	WJBK
		Yuma, Colo.	KGEK
		Zion, Ill.	WCBD

AIR LINE DISTANCES IN STATUTE MILES

FROM/TO	Albuq'que, N. M.	Atlanta, Ga.	Baltimore, Md.	Boise, Idaho	Boston, Mass.	Brownsville, Tex.	Buffalo, N. Y.	Chicago, Ill.	Cincinnati, Ohio	Cleveland, Ohio
Albuq'que, N. M.	----	1273	1670	774	1967	838	1577	1126	1248	1417
Atlanta, Ga.	1273	----	575	1830	933	960	695	583	368	550
Baltimore, Md.	1670	575	----	2055	358	1525	273	603	423	305
Boise, Idaho	774	1830	2055	----	2266	1610	1872	1453	1663	1754
Boston, Mass.	1967	933	358	2266	----	1881	398	849	737	550
Brownsville, Tex.	838	960	1525	1610	1881	----	1575	1234	1184	1402
Buffalo, N. Y.	1577	695	273	1872	398	1575	----	454	392	175
Chicago, Ill.	1126	583	603	1453	849	1234	454	----	249	307
Cincinnati, Ohio	1248	368	423	1663	737	1184	392	249	----	218
Cleveland, Ohio	1417	550	305	1754	550	1402	175	307	218	----
Denver, Colo.	332	1208	1505	637	1766	1047	1368	918	1090	1223
Des Moines, Ia.	833	738	913	1155	1159	1102	762	310	509	617
Detroit, Mich.	1360	595	398	1671	613	1398	218	236	234	94
El Paso, Tex.	228	1293	1750	969	2067	682	1690	1249	1333	1521
Fargo, N. Dak.	968	1112	1143	975	1304	1445	923	571	818	838
Fort Worth, Tex.	561	750	1239	1263	1574	471	1221	820	839	1046
Galveston, Tex.	803	688	1245	1538	1598	287	1289	954	897	1116
Hastings, Nebr.	588	901	1154	934	1415	1013	1019	566	742	871
Hot Sprgs., Ark.	773	498	964	1384	1302	650	956	585	569	787
Houghton, Mich.	1252	947	808	1367	922	1543	560	367	589	518
Jacksonville, Fla.	1492	286	682	2098	1015	1025	880	861	628	768
Kansas City, Mo.	717	675	962	1158	1250	923	862	413	541	700
Los Angeles, Cal.	663	1935	2313	663	2590	1370	2195	1741	1892	2044
Louisville, Ky.	1174	317	498	1623	823	1093	483	268	92	309
Memphis, Tenn.	938	335	792	1506	1133	777	802	481	410	627
Miami, Fla.	1710	610	958	2368	1258	1100	1184	1190	957	1088
Min'apolis, Minn.	980	905	948	1140	1125	1335	733	356	603	632
Missoula, Mont.	895	1790	1947	252	2124	1706	1740	1348	1578	1640
Nashville, Tenn.	1117	218	597	1631	941	952	626	394	239	456
New Orleans, La.	1030	427	1001	1713	1359	536	1087	831	708	922
New York, N. Y.	1810	747	170	2153	188	1695	291	711	568	404
Norfolk, Va.	1696	507	167	2137	467	1465	435	696	474	429
Oklahoma, Okla.	518	753	1173	1138	1490	659	1117	689	755	946
Omaha, Nebr.	718	815	1026	1044	1280	1061	883	432	620	738
Philadelphia, Pa.	1748	663	90	2113	268	1614	278	664	501	343
Phoenix, Ariz.	330	1592	2002	733	2295	1023	1904	1451	1578	1745
Pittsburgh, Pa.	1498	520	194	1863	478	1424	178	411	258	115
Portland, Me.	2015	1022	446	2282	100	1961	438	892	802	603
Portland, Oreg.	1107	2172	2367	349	2553	1944	2167	1765	1987	2063
Richmond, Va.	1628	470	128	2060	471	1428	375	618	399	353
St. Louis, Mo.	938	467	731	1389	1036	975	662	259	308	490
Salt L. C., Utah	483	1580	1858	292	2099	1317	1701	1260	1450	1567
San Francisco	893	2133	2451	516	2696	1675	2298	1855	2037	2163
Schenectady, N.Y.	1823	840	278	2120	150	1770	249	702	605	408
Seattle, Wash.	1178	2180	2341	405	2508	2015	2130	1743	1974	2035
Shreveport, La.	764	548	1064	1433	1410	510	1080	725	688	904
Spokane, Wash.	1028	1960	2110	290	2279	1852	1900	1514	1746	1804
Springfield, Mass.	1889	863	282	2196	79	1805	325	774	659	473
Vermilion, S. D.	742	917	1083	973	1314	1161	916	479	694	785
Washington	1648	543	33	2045	392	1493	290	594	403	303

Air Line Distances in Statute Miles—(Continued)

FROM/TO	Denver, Colo.	Des Moines, Ia.	Detroit, Mich.	El Paso, Tex.	Fargo, N. Dak.	Fort Worth, Tex.	Galveston, Tex.	Hastings, Nebr.	Hot Spgs., Ark.	Houghton, Mich.
Albuq'ue, N. M.	332	833	1360	228	968	561	803	588	773	1252
Atlanta, Ga.	1208	738	595	1293	1112	750	688	901	498	947
Baltimore, Md.	1505	913	398	1750	1143	1239	1245	1154	964	808
Boise, Idaho	637	1155	1671	969	975	1263	1538	934	1384	1367
Boston, Mass.	1766	1159	613	2067	1304	1574	1598	1415	1302	922
Brownsville, Tex.	1047	1102	1398	682	1445	471	287	1013	650	1543
Buffalo, N. Y.	1368	762	218	1690	923	1221	1289	1019	956	560
Chicago, Ill.	918	310	236	1249	571	820	954	566	585	367
Cincinnati, Ohio	1090	509	234	1333	818	839	897	742	569	589
Cleveland, Ohio	1223	617	94	1521	838	1046	1116	871	787	518
Denver, Colo.	---	607	1153	554	642	643	925	353	749	970
Des Moines, Ia.	607	---	545	980	397	640	851	256	488	458
Detroit, Mich.	1153	545	---	1475	745	1018	1111	800	761	427
El Paso, Tex.	554	980	1475	---	1161	543	723	757	802	1422
Fargo, N. Dak.	642	397	745	1161	---	973	1218	440	875	393
Fort Worth, Tex.	643	640	1018	543	973	---	283	544	273	1093
Galveston, Tex.	925	851	1111	723	1218	283	---	808	375	1277
Hastings, Nebr.	353	256	800	757	440	544	808	---	513	666
Hot Spgs., Ark.	749	488	761	802	875	273	513	---	---	901
Houghton, Mich.	970	458	427	1422	393	1093	1277	666	901	---
Jacksonville, Fla.	1468	1024	832	1481	1400	943	799	1178	728	1216
Kansas City, Mo.	555	180	643	836	548	460	677	226	326	633
Los Angeles, Cal.	828	1433	1976	702	1426	1212	1423	1177	1437	1787
Louisville, Ky.	1035	477	315	1253	818	751	807	693	480	636
Memphis, Tenn.	878	485	621	978	882	448	492	591	176	830
Miami, Fla.	1732	1338	1156	1662	1721	1150	941	1468	983	1545
Min'apolis, Minn.	699	235	542	1156	219	870	1087	399	722	272
Missoula, Mont.	670	1074	1552	1115	819	1312	1595	891	1385	1208
Nashville, Tenn.	1018	523	468	1169	900	643	666	697	370	760
New Orleans, La.	1079	825	938	986	1221	470	288	870	358	1187
New York, N. Y.	1628	1023	483	1902	1213	1398	1415	1275	1125	849
Norfolk, Va.	1562	983	522	1755	1258	1226	1195	1216	955	946
Oklahoma, Okla.	503	469	905	578	786	188	456	357	260	926
Omaha, Nebr.	485	122	666	875	390	590	828	135	490	547
Philadelphia, Pa.	575	972	444	1834	1186	1324	1335	1222	1051	827
Phoenix, Ariz.	585	1154	1685	347	1225	858	1065	901	1094	1550
Pittsburgh, Pa.	1320	718	208	1592	952	1097	1140	967	825	630
Portland, Me.	1803	1197	657	2126	1313	1642	1678	1454	1371	924
Portland, Oreg.	985	1479	1975	1286	1248	1612	1885	1271	1733	1635
Richmond, Va.	1488	905	445	1695	1180	1170	1154	1142	897	870
St. Louis, Mo.	793	270	452	1033	658	568	697	455	325	591
Salt L. C., Utah	372	952	1490	689	865	977	1249	708	1116	1242
San Francisco	946	1547	2087	993	1447	1454	1693	1297	1648	1833
Schenectady, N.Y.	1618	1012	467	1930	1157	1445	1487	1267	1175	776
Seattle, Wash.	1020	1470	1945	1373	1206	1658	1938	1288	1759	1588
Shreveport, La.	799	624	891	752	1002	209	233	615	142	1043
Spokane, Wash.	827	1243	1715	1238	976	1470	1753	1061	1552	1360
Springfield, Mass.	1692	1085	540	1990	1240	1495	1524	1340	1224	860
Vermilion, S. D.	468	187	705	920	284	689	938	167	605	510
Washington	1490	895	397	1726	1141	1210	1214	1139	936	813

Air Line Distances in Statute Miles—(Continued)

FROM/TO	Jacksonville, Fla.	Kansas City, Mo.	Los Angeles, Cal.	Louisville, Ky.	Memphis, Tenn.	Miami, Fla.	Minneapolis, Minn.	Missoula, Mont.	Nashville, Tenn.	New Orleans, La.
Albuq'que, N. M.	1492	717	663	1174	938	1710	980	895	1117	1030
Atlanta, Ga.	286	675	1935	317	335	610	905	1790	218	427
Baltimore, Md.	682	962	2313	498	792	958	948	1947	597	1001
Boise, Idaho	2098	1158	663	1623	1506	2368	1140	252	1631	1713
Boston, Mass.	1015	1250	2590	823	1133	1258	1125	2124	941	1359
Brownsville, Tex.	1025	923	1370	1093	777	1100	1335	1706	952	536
Buffalo, N. Y.	880	862	2195	483	802	1184	733	1740	626	1087
Chicago, Ill.	861	413	1741	268	481	1190	356	1348	394	831
Cincinnati, Ohio.	628	541	1892	92	410	957	608	1578	239	708
Cleveland, Ohio.	768	700	2044	309	627	1088	632	1640	456	922
Denver, Colo.	1468	555	828	1035	878	1732	699	670	1018	1079
Des Moines, Ia.	1024	180	1433	477	485	1338	235	1074	523	825
Detroit, Mich.	832	643	1976	315	621	1156	542	1552	468	938
El Paso, Tex.	1481	836	702	1253	978	1662	1156	1115	1169	986
Fargo, N. Dak.	1400	548	1426	818	882	1721	219	819	900	1221
Fort Worth, Tex.	943	460	1212	751	448	1150	870	1312	643	470
Galveston, Tex.	799	677	1423	807	492	941	1087	1595	666	288
Hastings, Nebr.	1178	226	1177	693	591	1468	399	891	697	870
Hot Sprgs., Ark.	728	326	1437	480	176	983	722	1385	370	358
Houghton, Mich.	1216	633	1787	636	830	1545	272	1208	760	1187
Jacksonville, Fla.	---	952	2153	595	591	328	1192	2070	502	511
Kansas City, Mo.	952	---	1352	480	370	1247	413	1117	472	678
Los Angeles, Cal.	2153	1352	---	1825	1602	2355	1522	910	1777	1675
Louisville, Ky.	595	480	1825	---	319	923	605	1550	153	623
Memphis, Tenn.	591	370	1602	319	---	878	700	1483	195	358
Miami, Fla.	328	1247	2355	923	878	---	1516	2359	821	681
Min'apolis, Minn.	1192	413	1522	605	700	1516	---	1010	695	1050
Missoula, Mont.	2070	1117	910	1550	1483	2359	1010	---	1582	1733
Nashville, Tenn.	502	472	1777	153	195	821	695	1582	---	470
New Orleans, La.	511	678	1675	623	358	681	1050	1733	470	---
New York, N. Y.	838	1097	2446	650	953	1095	1019	2030	758	1173
Norfolk, Va.	548	1009	2352	528	778	802	1047	2045	586	932
Oklahoma, Okla.	988	293	1182	675	422	1233	692	1162	602	575
Omaha, Nebr.	1098	165	1312	579	529	1402	291	978	604	845
Philadelphia, Pa.	758	1037	2388	580	878	1023	985	1997	683	1090
Phoenix, Ariz.	1800	1045	357	1512	1264	1998	1279	932	1445	1318
Pittsburgh, Pa.	703	784	2135	345	660	1014	745	1754	472	923
Portland, Me.	1113	1800	2631	892	1205	1357	1145	2133	1015	1445
Portland, Oreg.	2442	1397	825	1953	1852	2716	1435	430	1970	2063
Richmond, Va.	953	937	2283	457	722	831	968	1967	526	899
St. Louis, Mo.	755	238	1585	242	242	1067	464	1331	253	599
Salt L. C., Utah	1840	922	577	1400	1250	2098	988	435	1390	1433
San Francisco	2375	1500	345	1983	1800	2603	1585	762	1958	1923
Schenectady, N.Y.	960	1107	2445	695	1010	1229	975	1978	820	1259
Seattle, Wash.	2450	1505	956	1945	1867	2740	1403	395	1973	2098
Shreveport, La.	733	326	1420	598	279	950	859	1457	470	280
Spokane, Wash.	2239	1286	939	1720	1652	2528	1173	170	1752	1898
Springfield, Mass.	957	1173	2515	745	1055	1210	1056	2060	863	1287
Vermillion, S. D.	1203	280	1291	663	642	1510	238	887	704	960
Washington	647	943	2295	473	763	927	936	1940	567	968

Air Line Distances in Statute Miles—(Continued)

FROM/TO	New York, N. Y.	Norfolk, Va.	Oklahoma, Okla.	Omaha, Nebr.	Philadelphia, Pa.	Phoenix, Ariz.	Pittsburgh, Pa.	Portland, Me.	Portland, Oreg.	Richmond, Va.
Albuq'ue, N. M.	1810	1696	518	718	1748	330	1498	2015	1107	1628
Atlanta, Ga.	747	507	753	815	663	1592	520	1022	2172	470
Baltimore, Md.	170	167	1173	1026	90	2002	194	446	2367	128
Boise, Idaho	2153	2137	1138	1044	2113	733	1863	2282	349	2060
Boston, Mass.	188	467	1490	1280	268	2295	478	100	2553	471
Brownsville, Tex.	1695	1465	659	1061	1614	1023	1424	1961	1944	1428
Buffalo, N. Y.	291	435	1117	883	278	1904	178	438	2167	375
Chicago, Ill.	711	696	689	432	664	1451	411	892	1765	618
Cincinnati, Ohio.	568	474	755	620	501	1578	258	802	1987	399
Cleveland, Ohio.	404	429	946	738	343	1745	115	603	2063	353
Denver, Colo.	1628	1562	503	485	1575	585	1320	1803	985	1488
Des Moines, Ia.	1023	983	469	122	972	1154	718	1197	1479	905
Detroit, Mich.	483	522	905	666	444	1685	208	657	1975	445
El Paso, Tex.	1902	1755	578	875	1834	347	1592	2126	1286	1695
Fargo, N. Dak.	1213	1258	786	399	1186	1225	952	1313	1248	1180
Fort Worth, Tex.	1398	1226	188	590	1324	858	1097	1642	1612	1170
Galveston, Tex.	1415	1195	456	828	1335	1065	1140	1678	1885	1154
Hastings, Nebr.	1275	1216	357	135	1222	901	967	1454	1271	1142
Hot Sprgs., Ark.	1125	955	260	490	1051	1094	825	1371	1733	897
Houghton, Mich.	849	946	926	547	827	1550	630	924	1638	870
Jacksonville, Fla.	838	548	988	1098	758	1800	703	1113	2442	953
Kansas City, Mo.	1097	1009	293	165	1037	1045	784	1300	1397	937
Los Angeles, Cal.	2446	2352	1182	1312	2388	357	2135	2631	325	2283
Louisville, Ky.	650	528	675	579	580	1512	345	892	1953	457
Memphis, Tenn.	953	778	422	529	878	1264	660	1205	1852	722
Miami, Fla.	1095	802	1233	1402	1023	1998	1014	1357	2716	831
Min'apolis, Minn.	1019	1047	692	291	985	1279	745	1145	1435	968
Missoula, Mont.	2030	2045	1162	978	1997	932	1754	2133	430	1967
Nashville, Tenn.	758	586	602	604	683	1445	472	1015	1970	526
New Orleans, La.	1173	932	575	845	1090	1318	923	1445	2063	899
New York, N. Y.	---	293	1324	1144	83	2142	313	277	2455	287
Norfolk, Va.	293	---	1186	1095	220	2027	316	565	2458	79
Oklahoma, Okla.	1324	1186	---	405	1256	843	1013	1550	1488	1122
Omaha, Nebr.	1144	1095	405	---	1094	1032	837	1318	1373	1020
Philadelphia, Pa.	83	220	1256	1094	---	2079	254	360	2419	205
Phoenix, Ariz.	2142	2027	843	1032	2079	---	1829	2345	1007	1960
Pittsburgh, Pa.	313	316	1013	837	254	1829	---	545	2174	242
Portland, Me.	277	565	1550	1318	360	2345	545	---	2563	565
Portland, Oreg.	2455	2458	1488	1373	2419	1007	2174	2563	---	2381
Richmond, Va.	287	79	1122	1020	205	1960	242	565	2381	---
St. Louis, Mo.	873	771	456	352	808	1270	561	1094	1723	699
Salt L. C., Utah	1972	1925	862	833	1923	504	1670	2127	636	1850
San Francisco	2568	2510	1386	1425	2518	652	2264	2725	536	2436
Schenectady, N.Y.	142	426	1354	1133	205	2152	350	197	2405	406
Seattle, Wash.	2419	2440	1523	1372	2388	1112	2145	2513	143	2362
Shreveport, La.	1230	1037	297	617	1153	1067	939	1484	1783	985
Spokane, Wash.	2190	2211	1324	1149	2159	1020	1918	2285	295	2133
Springfield, Mass.	120	411	1412	1205	201	2220	400	159	2488	407
Vermillion, S. D.	1189	1166	502	115	1143	1043	891	1345	1293	1089
Washington	204	145	1150	1012	122	1980	188	480	2360	96

Air Line Distances in Statute Miles—(Continued)

FROM/TO	St. Louis, Mo.	Salt L. C., Utah	San Francisco	Schenectady, N.Y.	Seattle, Wash.	Shreveport, La.	Spokane, Wash.	Springfield, Mass.	Vermillion, S. D.	Washington
Albuq'que, N. M.	938	483	893	1823	1178	764	1028	1889	742	1648
Atlanta, Ga.	467	1580	2133	840	2180	548	1960	863	917	542
Baltimore, Md.	731	1858	2451	278	2341	1064	2110	282	1083	33
Boise, Idaho	1389	292	516	2120	405	1433	290	2196	973	2045
Boston, Mass.	1036	2099	2696	150	2508	1410	2279	79	1314	392
Brownsville, Tex.	975	1317	1675	1770	2015	510	1852	1805	1161	1493
Buffalo, N. Y.	662	1701	2298	249	2130	1080	1900	325	916	290
Chicago, Ill.	259	1260	1855	702	1743	725	1514	774	479	594
Cincinnati, Ohio	308	1450	2037	605	1974	688	1746	659	694	403
Cleveland, Ohio	490	1567	2163	408	2035	904	1804	478	785	303
Denver, Colo.	793	372	946	1618	1020	799	827	1692	468	1490
Des Moines, Ia.	270	952	1547	1012	1470	624	1243	1085	187	895
Detroit, Mich.	452	1490	2087	467	1945	891	1715	540	705	397
El Paso, Tex.	1033	689	993	1930	1373	752	1238	1990	920	1726
Fargo, N. Dak.	658	865	1447	1157	1206	1002	976	1240	284	1141
Fort Worth, Tex.	568	977	1454	1445	1658	209	1470	1495	689	1210
Galveston, Tex.	697	1249	1693	1487	1938	233	1753	1524	938	1214
Hastings, Nebr.	455	708	1297	1267	1288	615	1061	1340	167	1139
Hot Sprgs., Ark.	325	1116	1648	1175	1759	142	1552	1224	605	986
Houghton, Mich.	591	1242	1833	776	1588	1043	1360	860	510	813
Jacksonville, Fla.	755	1840	2375	960	2450	733	2239	957	1203	647
Kansas City, Mo.	238	922	1500	1107	1505	326	1286	1173	280	943
Los Angeles, Cal.	1585	577	345	2445	956	1420	939	2515	1291	2295
Louisville, Ky.	242	1400	1983	695	1945	598	1720	745	663	473
Memphis, Tenn.	242	1250	1800	1010	1867	279	1652	1055	642	763
Miami, Fla.	1067	2098	2603	1229	2740	950	2528	1210	1510	927
Min'apolis, Minn.	464	988	1585	975	1403	859	1173	1056	238	936
Missoula, Mont.	1331	435	762	1978	395	1457	170	2060	887	1940
Nashville, Tenn.	253	1390	1958	820	1973	470	1752	863	704	567
New Orleans, La.	599	1433	1923	1259	2098	280	1898	1287	960	968
New York, N. Y.	873	1972	2568	142	2419	1230	2190	120	1189	204
Norfolk, Va.	771	1925	2510	426	2440	1037	2211	411	1166	145
Oklahoma, Okla.	456	862	1386	1354	1523	297	1324	1412	502	1150
Omaha, Nebr.	352	833	1425	1133	1372	617	1149	1205	115	1012
Philadelphia, Pa.	808	1923	2518	205	2388	1153	2159	201	1143	122
Phoenix, Ariz.	1270	504	652	2152	1112	1067	1020	2220	1043	1980
Pittsburgh, Pa.	561	1670	2264	350	2145	939	1918	400	891	188
Portland, Me.	1094	2127	2725	197	2513	1484	2285	159	1345	480
Portland, Oreg.	1723	636	536	2405	143	1783	295	2488	1293	2960
Richmond, Va.	699	1850	2436	406	2362	985	2133	407	1089	96
St. Louis, Mo.	---	1158	1738	898	1722	466	1500	958	450	710
Salt L. C., Utah	1158	---	592	1950	697	1155	548	2067	785	1845
San Francisco	1738	592	---	2548	680	1655	730	2625	1383	2437
Schenectady, N.Y.	898	1950	2548	---	2363	1290	2139	86	1165	313
Seattle, Wash.	1722	697	680	2363	---	1820	229	2445	1282	2335
Shreveport, La.	466	1155	1655	1290	1820	---	1621	1333	726	1035
Spokane, Wash.	1500	548	730	2139	229	1621	---	2216	1055	2105
Springfield, Mass.	958	2027	2625	86	2445	1333	2216	---	1242	321
Vermillion, S. D.	450	785	1383	1165	1282	726	1055	1242	---	1073
Washington	710	1845	2437	313	2335	1035	2105	321	1073	---

Radio Commission Attempt Reduction of Stations

162 broadcasters notified to show cause why their licenses should be renewed after August 1; most of them probably will not be continued.

THE Federal Radio Commission has notified 162 broadcasting stations that they are not deemed to be operating in the public interest and that their licenses will not be renewed after August 1.

July 9 was set as the date for the stations to be heard, all of them, having been given an opportunity to prove that they serve a sufficient public interest to warrant their being relicensed.

Forty of the stations did not appear and automatically will lose their licenses on August 1. The other 120 attempted by testimony and letters from listeners to show that their discontinuation would be a severe loss to their community.

In almost all of the cases, there were specific charges against the stations, although they were not made public. Many of the stations had been deviating from their assigned frequency, thereby interfering with broadcasters on bordering channels. Others had been operating irregularly, or had not been in operation at all for a month or longer.

It is not believed that discontinuation of the 162 stations will help very much to lessen interference. Most of the stations were small fellows of low power, only about 30 of them being of 500 watts or more.

According to members of the Commission, it is the first step toward clearing up the broadcasting band of the interference caused by stations themselves. First of all, the Commission plans to get rid of stations which are considered to be nuisances because of the method of their operation. Then the Commission may dispose of stations which can best be spared until the total number is whittled down to a figure that can be taken care of without heterodynes.

Here is a list of the stations to which the notification was sent:

First Zone

WAAT—Jersey City, N. J.
WAIT—Taunton, Mass.
WBBC—Brooklyn, N. Y.
WBES—Takoma Park, Md.

WBMS—Union City, N. J.
WCBM—Baltimore, Md.
WCDA—Cliffside Park, N. J.
WCGU—Coney Island, N. Y.
WCLB—Long Beach, N. Y.
WCOH—Greenville, N. Y.
WCON—Danbury, Conn.
WCOT—Providence, R. I.
WEVD—Woodhaven, N. Y.
WGCP—Newark, N. J.
WGL—Secaucus, N. J.
WGOP—Flushing, N. Y.
WHPP—Englewood Cliffs, N. J.
WIBS—Elizabeth, N. J.
WINR—Bay Shore, N. Y.
WJBI—Red Bank, N. J.
WKBO—Jersey City, N. J.
WKBQ—New York, N. Y.
WLBH—Farmingdale, N. Y.
WLBM—Cambridge, Mass.
WLBX—Long Island City, N. Y.
WLOE—Chelsea, Mass.
WMBQ—Brooklyn, N. Y.
WMES—Boston, Mass.
WMRJ—Jamaica, N. Y.
WOKT—Binghamton, N. Y.
WPCH—Hoboken, N. J.
WRAH—Providence, R. I.
WRES—Quincy, Mass.
WSDA—Brooklyn, N. Y.
WSGH—Brooklyn, N. Y.
WTRL—Midland Park, N. J.
WWRL—Woodside, N. Y.

Zone 2

WABF—Kingston, Pa.
WABW—Wooster, Ohio.
WABY—Philadelphia, Pa.
WBBL—Richmond, Va.
WBBP—Petoskey, Mich.
WBBW—Norfolk, Va.
WBMH—Detroit, Mich.

WBRE—Wilkes-Barre, Pa.
WEBE—Cambridge, Ohio.
WFAN—Philadelphia, Pa.
WFBE—Cincinnati, Ohio.
WFBG—Altoona, Pa.
WFJC—Akron, Ohio.
WFKD—Frankford, Pa.
WGM—Jeanette, Pa.
WHBC—Canton, Ohio.
WIAD—Philadelphia, Pa.
WJAY—Cleveland, Ohio.
WJBK—Ypsilanti, Mich.
WKBN—Youngstown, Ohio.
WKBZ—Ludington, Mich.
WLBY—Iron Mountain, Mich.
WMBG—Richmond, Va.
WMBJ—McKeesport, Pa.
WMBS—Lemoyne, Pa.
WMBW—Youngstown, Ohio.
WQBZ—Weirton, W. Va.
WRAK—Erie, Pa.
WRAX—Philadelphia, Pa.
WTAZ—Chesterfield Hills, Va.

Zone 3—None

Zone 4

KDLR—Devils Lake, N. D.
KFDZ—Minneapolis, Minn.
KFHL—Oskaloosa, Iowa.
KFIZ—Fond du Lac, Wis.
KFKX—Chicago, Ill.
KFMR—Sioux City, Iowa.
KFOX—Omaha, Nebr.
KFQA—St. Louis, Mo.
KFVG—Independence, Kans.
KFWF—St. Louis, Mo.
KGBY—Columbus, Nebr.
KGBX—St. Joseph, Mo.
KGBZ—York, Nebr.
KGCA—Decorah, Iowa.
KGCH—Wayne, Nebr.
KGCN—Concordia, Kans.

KGCR—Brookings, S. D.
 KGDA—Dell Rapids, S. D.
 KGDW—Humboldt, Nebr.
 KGDY—Oldham, S. D.
 KGEO—Grand Island, Nebr.
 KGEQ—Minneapolis, Minn.
 KGES—Central City, Nebr.
 KGFB—Iowa City, Iowa.
 KGFN—Aneta, N. D.
 KGFV—Ravenna, Nebr.
 KGHC—Slayton, Minn.
 KICK—Red Oak, Iowa.
 KPNN—Muscatine, Iowa.
 KWCR—Cedar Rapids, Iowa.
 KWKC—Kansas City, Mo.
 KWUC—Le Mars, Iowa.
 WAIZ—Appleton, Wis.
 WBAO—Decatur, Ill.
 WBCN—Chicago, Ill.
 WCAZ—Carthage, Ill.
 WCBS—Springfield, Ill.
 WCLO—Kenosha, Wis.
 WCLS—Kenosha, Wis.
 WCRW—Chicago, Ill.
 WCWK—Ft. Wayne, Ind.
 WDZ—Tuscola, Ill.
 WEBQ—Harrisburg, Ill.
 WEBW—Beloit, Wis.
 WEDC—Chicago, Ill.
 WEHS—Evanston, Ill.
 WFAM—St. Cloud, Minn.
 WFBZ—Galesburg, Ill.
 WFKB—Chicago, Ill.
 WGWB—Milwaukee, Wis.
 WHBF—Rock Island, Ill.
 WHBY—West de Pere, Wis.
 WHFC—Chicago, Ill.
 WIAS—Ottumwa, Iowa.
 WIBA—Madison, Wis.
 WIBU—Poynette, Wis.
 WJAK—Kokomo, Ind.
 WJBA—Joliet, Ill.
 WJBC—La Salle, Ill.
 WJBL—Decatur, Ill.
 WJBZ—Chicago Heights, Ill.
 WKBB—Joliet, Ill.
 WKBH—La Crosse, Wis.
 WKBI—Chicago, Ill.
 WKBS—Galesburg, Ill.
 WKBV—Brookville, Ind.
 WKDR—Kenosha, Wis.
 WLBC—Muncie, Ind.
 WLBI—Wenona, Ill.
 WLBO—Galesburg, Ill.
 WLBQ—Atwood, Ill.
 WLBT—Crown Point, Ind.
 WLIB—Chicago, Ill.
 WLTS—Chicago, Ill.
 WMAY—St. Louis, Mo.
 WMBB—Chicago, Ill.
 WMBD—Peoria Heights, Ill.
 WMBE—White Bear Lake, Minn.
 WNAL—Omaha, Nebr.
 WNBA—Forest Park, Ill.
 WOMT—Manitowoc, Wis.
 WOK—Chicago, Ill.
 WPEP—Waukegan, Ill.
 WQJ—Chicago, Ill.
 WRAF—La Porte, Ind.
 WRAM—Galesburg, Ill.
 WSAX—Chicago, Ill.
 WSBC—Chicago, Ill.
 WTAD—Quincy, Ill.
 WTAS—Elgin, Ill.
 WTAX—Streator, Ill.
 WWAE—Hammond, Ind.

Zone 5

KFPR—Los Angeles, Calif.
 KFUS—Oakland, Calif.
 KFUT—Salt Lake City, Utah.
 KGDM—Stockton, Calif.
 KOOS—Marshfield, Oreg.

Broadcasting Allocation Soon May Be Announced

COMMISSION
*studying many
plans for one that
will allow maximum
number of stations
to be licensed while
at the same time
providing "equality"
and better reception.*

By THOMAS STEVENSON

A PLAN for a new reallocation to broadcasting stations may be announced by the Federal Radio Commission at any time.

So say the members of the Commission. They have been saying it for three months and they appear just as determined now as when they first made the statement 90 days ago.

Upon enactment of the amendment to the radio law, requiring an "equal" division of licenses, power, channels and time among the five zones of the country, and "equality" among the states within each zone, the Commission announced that a new reallocation would be made "as soon as possible."

In fact, the Commission already had worked out two plans of reallocation. One plan provided for 50 cleared, 36 semi-cleared, and four local channels. The other specified 25 cleared, 61 semi-cleared, and four local channels.

Each cleared channel would be assigned exclusively to one station with sufficient power to reach a large portion of the country. The semi-cleared channels would be utilized by two and one-half stations operating simultaneously, limited to 500 or 1000 watts. The local channels would be loaded down with 40 or 50 small 100 watters on each.

With 50 cleared channels, the Commission could license 340 stations for simultaneous operation. With 25 cleared channels, the Commission could license about 380 stations for simultaneous operation. Those figures, of course, would be increased through time division.

The leading radio engineers of the country were invited to appear before the Commission and comment on the two plans.

They unanimously recommended adoption of the 50 cleared channel plan. They claimed it would provide the maximum radio service

with the present limited number of channels.

But the broadcasters and the radio manufacturers protested against immediate adoption of the plan. They claimed it was too radical and that changes should be gradual. They said the plan was fine as an ultimate goal. But as a substitute, they suggested a scheme whereby practically all of the stations on the air at present would be relicensed with few if any changes in the present set-up.

Since that time the Commission has been arguing the advantages and disadvantages of those and other plans. They seem no nearer agreement than when they started, although they profess their intention to decide on a plan by August or September 1.

Just what would be the effect of clearing 50 channels?

First, and most important, it would mean a return of distance reception. It would mean that there would be 50 stations, scattered throughout the country, to which listeners could always turn with some hope of getting them. There would be no other stations on the same channel and, atmospheric conditions permitting, the stations could be brought in with fair consistency.

At the same time, with ten of the stations in each zone, listeners probably would be able to have a choice of ten programs at all times. The assumption being, of course, that the stations on cleared chan-

nels would not be permitted to broadcast chain programs.

But adoption of such a plan would mean a radical cut in the number of stations and in the power of other stations. Therefore, many of the broadcasters objected, in all probability because they feared the consequences to themselves.

Meantime, members of Congress also protested against the plan. They offered one thousand and one objections, none of which, according to engineers, were worthy of consideration.

But the effect of the objections on the Commission was immediately apparent. Most of them originally favored the 50 cleared channel plan. Here is how they stand at present:

Judge Robinson, the chairman, is pretty well satisfied with the present set-up and believes there should be as few changes as possible.

Commissioner Sam Pickard agrees with the chairman; or the chairman agrees with Pickard.

Commissioner Eugene O. Sykes thinks a new allocation will have to be made in order to provide the equality demanded by Congress. Beyond that, he is not prepared to go.

Commissioner O. H. Caldwell advocates 25 cleared channels. Originally he favored 50 cleared channels, but he now says it would be useless to clear that number

(Continued on page 64)



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Commissioner LaFount Favors 50 Cleared Channels

WEST COAST
*Commissioner
thinks engineering
recommendations
should be followed
if the best reception
and service are to be
provided for the
country as a whole.*

By HAROLD A. LAFOUNT
Member, Federal Radio Commission

WHEN I am sick, I consult a physician. If I have confidence in him, I follow his advice.

The broadcasting industry is sick because of too many stations. We consulted the leading engineers of the country. They told us what to do if we wished to provide the maximum radio service to the public. I have confidence in these men and I would like to see their recommendations followed.

Radio reception, to be satisfactory for the country as a whole, must provide a substantial number of stations which can be heard at considerable distances from the point of broadcasting; and this result cannot be accomplished unless such stations be freed from interference by heterodyne and be permitted to use a large quantity of power. This means that stations

filling this function must have exclusive use of a frequency channel while so operated, except during daylight hours.

Such stations should be permitted to use as much power as possible. Engineering knowledge appears to be adequate to show that a very substantial number of 50,000 watt stations can be used without mutual interference and without interference with stations of lower power in nearby frequencies if an appropriate arrangement of licenses is established.

The engineers recommend 50 cleared channels as the number which would provide the maximum service to the public with the present limited number of waves.

With 50 cleared channels it would be possible for rural listeners all over the country to have a choice of five and perhaps ten programs under normal receiving conditions.

Government Expert Strong Advocate of Cleared Channels

CONTENDS that unless 50 channels are cleared for exclusive use of stations that the rural population of the country will be heavily discriminated against.

By DR. J. H. DELLINGER

Chief Radio Laboratory, U. S. Bureau of Standards

THE outstanding importance of providing not less than 50 cleared channels together with the fact that very much more power can be used on exclusive channels than on shared channels should not be overlooked if the best radio reception is to be provided.

It is only on exclusive channels that listeners at a distance can receive service. The rural population of the country will be heavily discriminated against unless a large number of exclusive channels are provided.

The few objections which have been made to the engineers' recommendations about the new broadcasting reallocation, reveal merely a lack of comprehension of them and a fear that they will lead to a complete upheaval of all the present broadcasting structure.

Some study indicates that a relatively minor disturbance of the

present structure can produce a considerable degree of conformity to the engineers' recommendations and an astonishing improvement in the broadcast service available to all listeners. It is not to be supposed that the Commission will neglect the opportunity, the duty, to make the necessary changes to bring about a tangible betterment of the situation.

It is believed that broadcasters and others will be more ready to advocate the engineers' recommendations when they understand that they can be put into effect without the feared complete destruction of the present broadcasting set-up. The broadcasters, in fact, are likely to be the principal advocates of the recommendations when they become aware of the superior service their stations can render under a sound engineering allocation.

Davis-Dill Law Imposes Hardship on Country

SO says Commissioner Caldwell, who says that advocates of "equalization" provisions are responsible for reduction in service to Southern and Western sections of the country.

By ORESTES H. CALDWELL

Member, Federal Radio Commission

GRATIFYING progress is being made by the Federal Radio Commission toward a broadcasting set-up that will equalize the radio facilities granted to the five radio zones, while securing good radio reception, so far as the available radio facilities permit under the new Davis-Dill "equalizing law."

To those who are working on this reallocation problem and undertaking to carry out faithfully the equalizing provisions of the Davis-Dill bill, as passed by the last session of Congress, it is becoming increasingly apparent that the greatest—and unnecessary—hardships imposed by the Davis-Dill law on the listening public, will be in the South and in the far West, the very sections from which came the sponsors of the bill in Congress.

Since the Davis-Dill law requires that the wavelengths, powers, and licenses shall be divided equally

among the five zones, it is apparent that the geographically large Southern zone, and the tremendous Pacific Coast (Fifth) zone, can be granted only the same number of stations and powers as can be operated satisfactorily in the relatively small and compact First Zone, which comprises New England, New York, and neighboring states.

In the great geographical stretches of the Southern zone, from Florida to Texas, a large number of stations might be satisfactorily operated without radio interference, and the Southern public thus might have the advantage of ideal and adequate radio service, were it not for the fact that the Davis-Dill law limits the South's radio stations to the same number which can be worked in the small Eastern (First) Zone.

A similar imposition is worked upon the radio public of the vast

(Continued on page 64)

Enforcement of Davis Amendment Worries Radio Commission

CONSIDERS
*many methods
of bringing about
equality of broad-
casting facilities de-
manded by new law.*

Torn between conflicting emotions and appeals, the Federal Radio Commission is proceeding toward a new reallocation to broadcasting stations.

On the one hand is the demand of engineers that the total number of stations be reduced to a point where heterodyne interference will be completely eliminated.

On the other is the protests of stations which might lose their licenses under such a policy and the objections of listeners and supporters of those stations who depend on them for programs.

Regardless of the conflict of views, it seems necessary for the Commission to make a new reallocation because of the requirement of the Davis-Dill amendment to the law that broadcasting facilities be divided "equally" between the five radio zones of the country and "equitably" among the States of each zone.

Louis Caldwell, recently appointed general counsel of the Radio Commission, has made a num-

ber of suggestions which, to say the least, are very interesting. Here are Caldwell's recommendations to the Commission of methods of compliance with the Davis amendment:

The "equitable" allocation among the States within each zone, I believe, may well be deferred until a plan for equalization among the zones has been adopted and put in force.

Obviously, the Commission has a much wider latitude with respect to the States and probably it could safely leave the multitude of questions involved in an "equitable" allocation to be determined in hearings much in the same way as it did during the past year. At any rate, the zone problem is much the more pressing and important and its solution should not be delayed by consideration of the detailed claims of each State. Furthermore, until the quota of each zone is determined it will be impossible to arrive at an "equitable" allocation within each zone.

The Commission might adopt a definition of the terms "broadcasting service" and "broadcasting station." Needless to say, such a definition should accord with the intent of Congress, if that is possible of ascertainment. Undoubtedly, however, Congress used the word "broadcasting" in the sense by which it is usually understood by the public. I shall not attempt a definition but suggest that among the elements that may go to make up a broadcasting station are a regularity of program on a schedule published or otherwise made known to the public; a character of program of entertainment, amusement or instruction which is of interest or value to a large or important portion of the public in the area served by the station; a fixed establishment of equipment sufficient to communicate such a program to a substantial number of people in a particular region or locality with regularity, a personnel of operations sufficient to give regular service, etc., etc.

I suggest that the definition should be in such form as to eliminate radio stations conducted at irregular periods at the whim of the owner for his own amusement, entertainment or instruction and which might very well be classified as merely amateur or experimental stations.

Eliminate from the total number of stations now licensed (and those to whom construction permits have been granted) all stations which

do not come within the definition of a broadcasting station.

Among others I suggest the following for such elimination:

(a) *All portable stations.* Such stations could be eliminated not only because of non-compliance with the definition but also for other reasons having a direct bearing on the standard of public convenience, interest or necessity, namely, the danger of interference with other stations would justify the Commission in requiring all stations to be fixed geographically.

(b) *All stations which, by reason of their small power, are not equipped to give broadcasting service to the public.* Namely, the Commission might find it against public convenience, interest or necessity to license stations under 50 watts in small towns and rural communities, under 100 watts in medium-sized cities, or under 250 watts in or near large Metropolitan centers like New York or Chicago. I am merely citing these figures as illustrative. It may well be that it would be preferable to require at least 1,000 watts in large centers (or, indeed, anywhere) with the additional requirement that the transmitter be located at a reasonable distance from thickly inhabited centers.

(c) All stations which, by reason of character or irregularity of program or for any other reason fail to comply with the definition of a broadcasting station. Namely, stations which are in reality

amateur or experimental stations.

(d) All stations the existence of which consists merely in a set of call-letters, making use of the transmitter of another broadcasting station separately licensed. Namely, Station ABC which nominally shares time with DEF, but uses the DEF transmitter; its own transmitter, according to rumor, has never even been unpacked. The only reason for the elimination of such stations is, of course, to assist the Commission to attain a real equality in number of stations among the five zones; the practice of a duplicate set of call letters involves nothing wrong in itself and may be preserved without the use of more than one license to a station. To permit two licenses on the same station is unfair to the zone in which the station is situated, in estimating the quota of stations to which that zone is entitled. A slightly more difficult question is raised in cases like Stations GHI and JKL where two transmitters are licensed and one is used exclusively with both sets of call letters except in emergency, such as a breakdown. I suggest, however, that in such a case a special kind of license might be made available to each of five zones, in equal numbers if you please, for emergency stations to be used only in case of emergency making use of the principal station impossible. The same sort of license might be given Station ABC.

Other classifications of stations

permitting of elimination as not being within the definition of a broadcasting station, will undoubtedly occur to the commission.

I believe that such stations should be eliminated from the total number of broadcasting stations before any common denomination is decided upon, for several reasons. In the first place, it is very desirable to avoid discrimination so far as possible between stations of the same class even when located in different zones. If it were not for this, it might be advisable to apply the above bases for elimination to the Fourth Zone where the most manifest excess of stations exists.

Any such station that was eliminated in such a way, however, would have a rather formidable ground for complaint if, under rulings and regulations of the Commission, it was held not to be a broadcasting station when similar stations in the other four zones were not so treated. In the second place, this method will materially reduce the total number of broadcasting stations and consequently it will also reduce the common denominator, or number per zone. The Commission will then find its way made easier toward achieving a decrease in stations, whether the ideal be that suggested in the Engineers' Plan or that suggested in the plan proposed by the National Broadcasters Association.

Adopt a rigid set of rules and regulations covering the mechanic-

al operation of stations, such as adherence to frequency, and, by revocation of license, eliminate all persistent violators. This, as well as the suggestion which follows, will not be of any immediate assistance in reducing the number of stations; it looks to the future only.

Take advantage, so far as possible, of each decrease in the total number of stations, whether by revocation of license, mortality from natural causes, merger, or otherwise, further to deduce the common denominator from time to time.

For example, assuming a total of 600 stations, 120 per zone, and the elimination of one station by revocation of license, let the common denominator be reduced to $119 \frac{4}{5}$. Let one station in each of the other four zones be given a temporary permit until further reduction is possible, and refuse to license any new station in the zone of the station the license of which is revoked.

The foregoing methods of eliminating stations, if pursued fairly, involve very little hazard of tying the hands of the Commission unnecessarily by litigation. There is no elimination except for cause, and none for the mere purpose of achieving an equal number per zone.

Experimental and amateur stations may be accommodated with comparative facility, I believe, in the hours between midnight and 10 a. m., if they are to be placed

in the broadcasting band at all.

After having reduced the total number of broadcasting stations by methods such as suggested under the preceding heading, divide the number remaining by five and let the quotient be the common denominator or number of stations to be allocated to each zone. If the total number of stations remaining is 600, the common denominator will be 120.

Renew the licenses of all stations in zones having less than the common denominator; where a zone has more stations than the common denominator, let a number of stations equal to the excess be given temporary 90-day permits under the proviso in the Davis Amendment.

In determining which stations should be given temporary 90-day licenses in the zones having an excess, let the following tests be employed:

(a) Past record of quality and regularity of service, popularity with the public, financial and program reasons and perhaps others such as diversity of public interests to be served.

(b) Other things being equal, or approximately so, stations in States having less than their quota within the zone on the basis of population should be favored as against stations in States having more than their quota.

Let application for construction permits or stations licenses be entertained only on the part of appli-

cants in zones having less than the common denominators. As each such application is granted, let one temporary 90-day license be taken from the zone or zones having an excess, applying the test set forth in the preceding paragraph as between the various stations having such 90-day licenses. Such application should be granted only with extreme caution so that the way will be kept clear for further reduction in the number of stations. This may be done by requiring a clear showing of public convenience, interest or necessity.

While the Davis Amendment seems to require equality "when and in so far as there are applications therefore," I believe that this must be read so as not to be inconsistent with the requirement of Section 14 of the Radio Act of 1927 which contemplates the issuance of a license only "if public convenience, interest, or necessity will be served thereby."

Generally speaking, there are, in addition to the method above described, three other methods of achieving equality among the zones with respect to number of stations:

(1) An arbitrary classification of channels such as that commonly referred to as the Engineers' Plan which divides all stations on a basis of power into three classes, divides the channels on a basis of power into three classes, divides the channels devoted to each class equally among the five zones, and then proceeds to attempt to recon-

cile the existing situation to the plan.

(2) The selection of a common denominator high enough to obviate the necessity of the elimination of any station, either immediately or eventually, such a common denominator being necessarily the number of stations now licensed in the zone which has the most stations.

(3) The selection of a common denominator lower than one-fifth of the total number of existing stations in an effort to effect an immediate reduction in the number and to approach the ideal of a maximum of heterodyne free channels. I want to suggest certain disadvantages which each of these methods presents:

1. *The Engineers' Plan.* That the plan represents an ideal which should not be lost from view, is readily conceded. That it involves serious practical difficulties, however, is apparent from the following:

(a) It means the immediate elimination of a large number of stations without cause other than the necessity of compliance with the Davis Amendment.

(b) The immediate elimination of a large number of stations without cause means running the hazard of extensive litigation in which the validity both of the Radio Law of 1927, of the amendments thereto, and of the action of the Commission, will be brought into question.

BROADCASTING ALLOCATION SOON MAY BE ANNOUNCED

(Continued from page 54)

because there are not that many stations using sufficient power to utilize them properly.

Commissioner Harold A. LaFount still favors the plan recommended by the engineers—that is, 50 cleared channels.

As to what they will finally decide upon is a matter of uncertainty. One guess is as good as another.

But until radio is divorced from politics and until the sole consideration is good reception, there will never be a satisfactory solution of the present broadcasting problem.

Perhaps the trouble has been that members of Congress have been too willing to appeal to the Commission on behalf of stations.

Recommendations from Congressmen should have a certain weight with the Commission. They are men elected to make laws and they should be in a good position to interpret what their constituents want.

But it has been indicated that Senators and Representatives will advocate stations to the Commission without making any investigation whatever of the value of the broadcasters, or without taking into consideration whether they are entitled to the position recommended.

Naturally, under such circumstances, the Commission has been

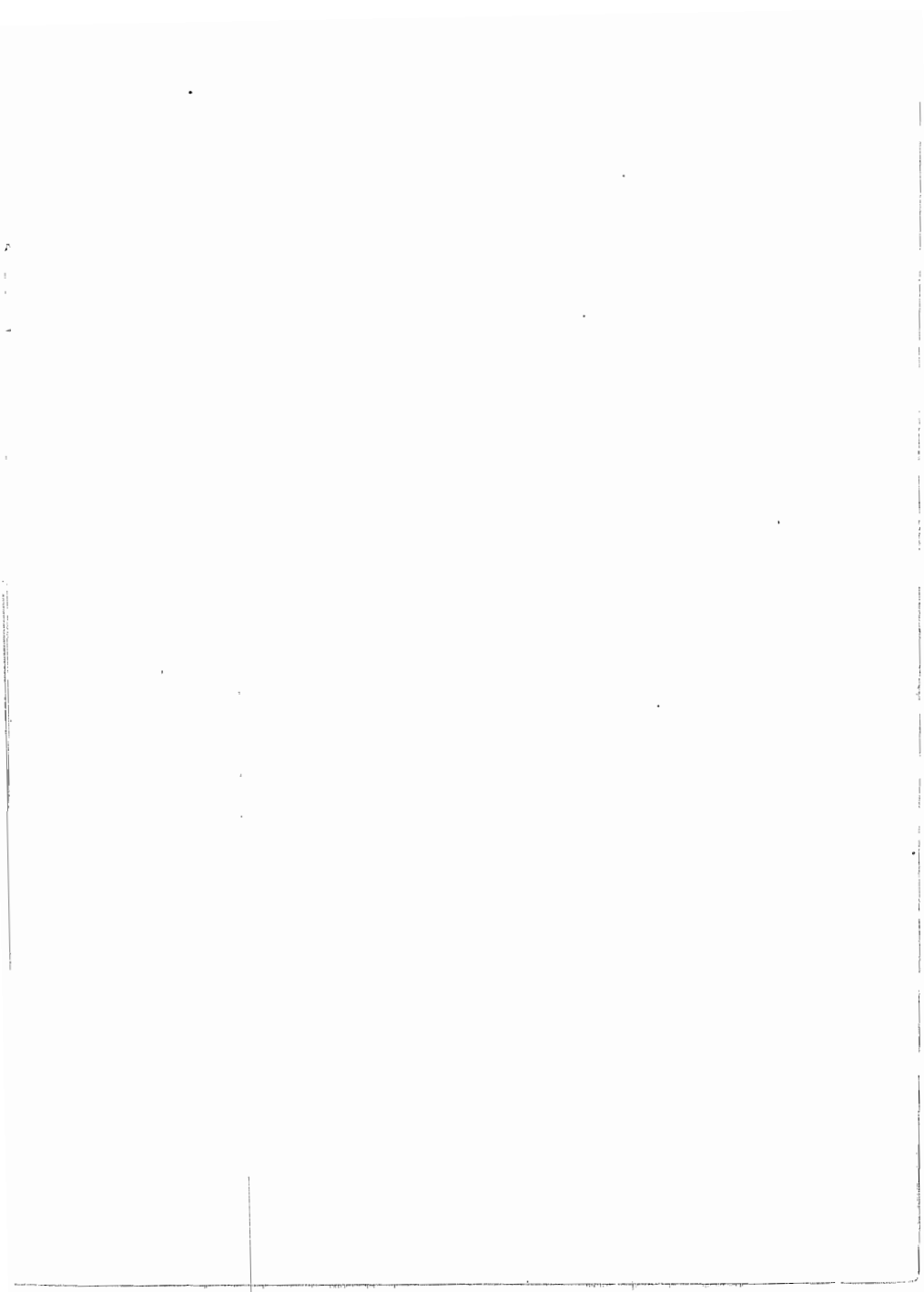
misled in many cases. Inasmuch as almost any station can find one or two Congressmen to support it, the task of the Commission is made more difficult.

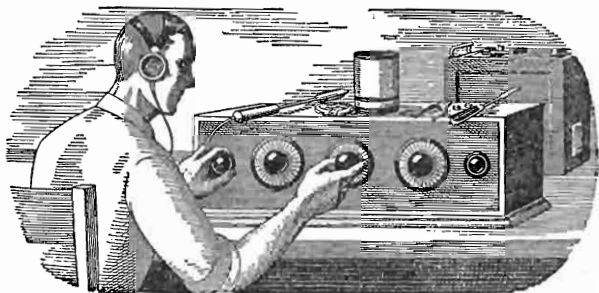
DAVIS-DILL LAW IMPOSES HARDSHIP ON COUNTRY

(Continued from page 58)

Fifth Zone, whose huge area includes two-fifths of the United States. This Zone's radio stations are now using some eighty different wavelengths, and could continue to use all these without interference to any other stations anywhere. Yet because the physically-tiny First Zone sets the limit to the number of stations which can be operated, the great Fifth Zone will, by the Davis-Dill law, be required to vacate nearly two-thirds of these wavelengths, which must stand idle and useless, while this Zone's splendid stations are forced to double up and "divide time" on a few wavelengths, that "legal equalization" may be obtained. Especial hardships will be worked on the States of California and Washington, whose time on the air will be cut to about one-third—all needlessly, so far as radio interference is concerned.

In other words, all four of the geographically great radio zones must, under the Davis-Dill law, "wear the same-size radio pants" as will properly fit the physically-small First or Eastern Zone.





If all the Radio sets I've "fooled" with in my time were piled on top of each other, they'd reach about half way to Mars. The trouble with me was that I thought I knew so much about Radio that I really didn't know the first thing. I thought Radio was a plaything—that was all I could see in it for me.

I Thought Radio Was a Plaything

But Now My Eyes Are Opened, And I'm Making Over \$100 a Week!

\$50 a week! Man alive, just one year ago a salary that big would have been the height of my ambition.

Twelve months ago I was skipping along just barely making both ends meet. It was the same old story—a little job, a salary just as small as the job.

If you'd told me a year ago that in twelve months' time I would be making \$100 and more every week in the Radio business—whew! I know I'd have thought you were crazy.

I was hard up a year ago because I was kidding myself, that's all—not because I had to be.

When broadcasting first became the rage, I first began my dabbling with Radio. I was "nuts" like many thousands of other fellows.

I never seemed to get very far with it, though. So, up to a year ago, I was just a dabbler—I thought Radio was a plaything. I never realized what an enormous, fast-growing industry Radio had come to be—employing thousands and thousands of trained men. I usually stayed home in the evenings after work, because I didn't make enough money to go out very much.

And as for the idea that a splendid Radio job might be mine, if I made a little effort to prepare for it—such an idea never entered my mind. When a friend suggested it to me one year ago, I laughed at him.

"You're kidding me," I said.
"I'm not," he replied. "Take a look at this ad."

He pointed to a page ad in a magazine. It told of many big opportunities for trained men to succeed in the great new Radio field. With the advertisement was a coupon. I sent the coupon in, and in a few days received a handsome 64-page book, telling about the opportunities in the Radio field and how a man can prepare quickly and easily at home to take advantage of these opportunities. Well, it was a revelation to me.

What's happened in the twelve months since that day seems almost like a dream to me now. For ten of those twelve months I've had a Radio business of my own. At first, of course, I started it as a little proposition on the side, under the guidance of the National Radio Institute, the outfit that gave me my Radio training. It wasn't long before I was getting so much to do that I quit my measly little clerical job, and devoted my full time to my Radio business.

Since that time I've gone right on up, always under the watchful guidance of my friends at the National Radio Institute. They would have given me just as much help, too, if I had wanted to follow some other line of Radio besides building

my own retail business—such as broadcasting, manufacturing, experimenting, sea operating, or any one of the score of lines they prepare for you. And to think that until that day I sent for their eye-opening book, I'd been waiting, "I never had a chance!"

Now I'm making, as I told you before, over \$100 a week. And I know the future holds even more, for Radio is one of the most progressive, fastest growing businesses in the world today. And it's work that I like—work a man can get interested in.

You may not be as bad off as I was. But think it over—are you satisfied? Are you making enough money, at work that you like? Would you sign a contract to stay where you are now for the next ten years—making the same money?

This new Radio game is a live wire field of golden rewards. The work is fascinating, absorbing, well paid. The National Radio Institute—oldest and largest Radio home-study school in the world—will train you inexpensively in your own home to know Radio from A to Z.

Take another tip—No matter what your plans are, no matter how much or how little you know about Radio—clip the coupon below and look their free book over. It is filled with interesting facts, figures, and photos, and the information it will give you is worth a few minutes of anybody's time. You will place yourself under no obligation—the book is free, and is gladly sent to anyone who wants to know about Radio. Just address J. E. Smith, President, National Radio Institute, Department, 6W, Washington, D. C.

J. E. SMITH, President,
National Radio Institute,
Dept. 6W, Washington, D. C.

Dear Mr. Smith:

Please send me your 64-page free book, giving all information about the opportunities in Radio and how I can learn quickly and easily at home to take advantage of them. I understand this request places me under no obligation and that no salesman will call on me.

Name

Address

Town..... State.....