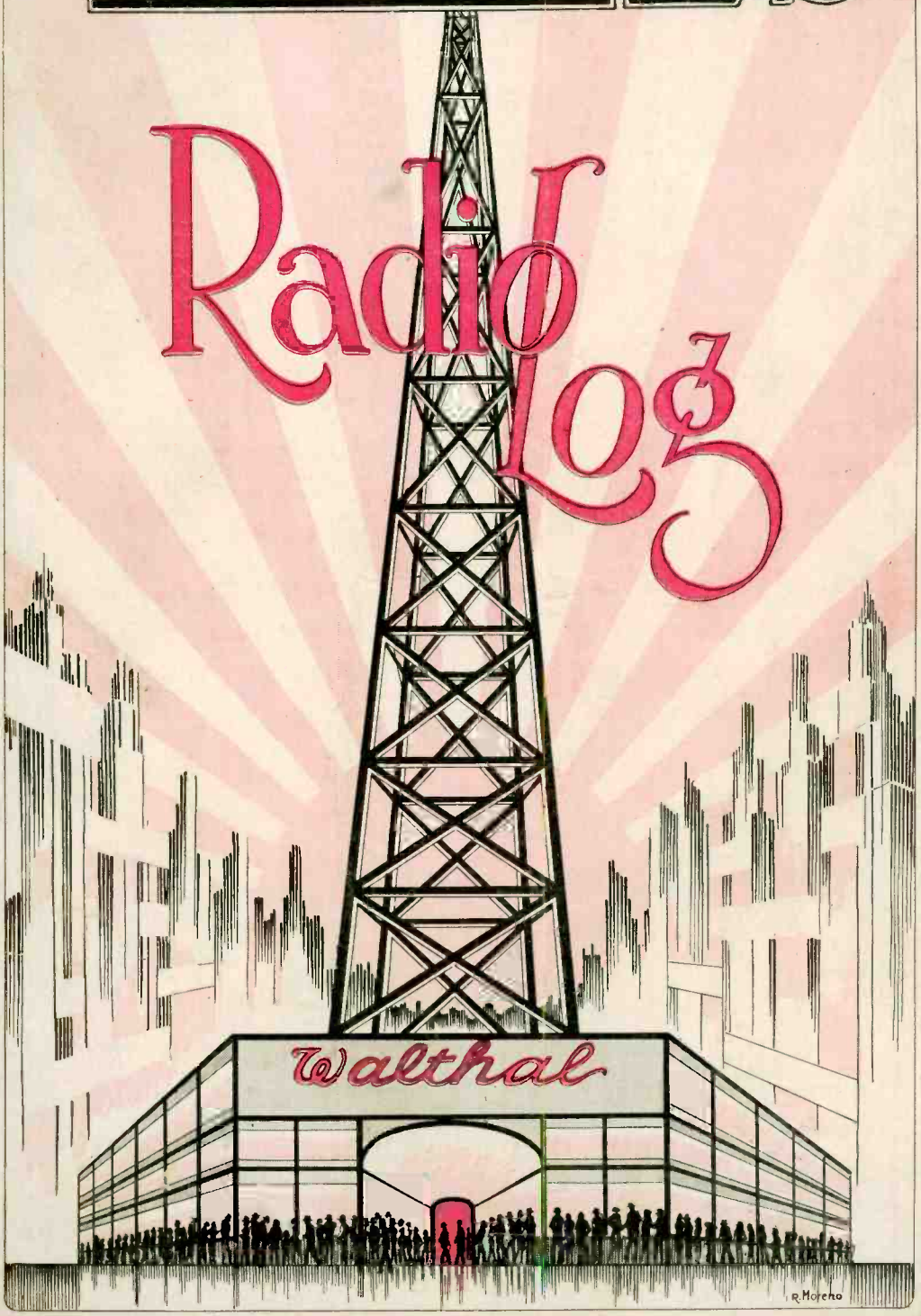
WALTHAL'S

Radio Log



EVEREADY

YOUR SET and YOUR BATTERIES ARE of EQUAL IMPORTANCE

Why Eveready Layerbilt is *the most economical "B" battery every built!*

Here, in the radically different Eveready Layerbilt, is the "B" battery which tops them all. Instead of the usual assembly of round cells, it is built of flat layers of current-producing materials. This construction, exclusive to Eveready, makes use of the spaces now wasted between the round type cells and avoids the usual soldered wires. Test after test has proved that this battery is the most economical "B" battery ever built. On all loud speaker sets the Eveready Layerbuilt will give twice the service of the smaller Light-Duty Batteries. This is the best "B" battery Eveready ever built, and Walthal's firmly believes that it is one of the finest "B" batteries among its large stock at its 6 stores.

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6 STORES **WALTHAL'S** 6 STORES

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Bronx Branch
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Yonkers Branch
7 North BROADWAY
Near Getty Square
Phone Yonkers 6676

De Palma Printing Co., 35 Pearl Street, New York, N. Y.

Official WALTHAL Radio Log

RADIO BROADCAST STATIONS OF THE UNITED STATES

Station Call	Wave Length	Kilo Cycles	Power Watts	Location of Station	No. 1 Dial	No. 2 Dial	No. 3 Dial	Date	Time
KDKA	315.6	950	30000	E. Pittsburgh, Pa.					
KDLR	230.6	1300	15	Devils Lake, N. D.					
KDYL	258.5	1160	100	Salt Lake City, Utah					
KELW	228.9	1310	250	Burbank, Cal.					
KEX	239.9	1250	2500	Portland, Ore.					
KFAB	309.1	970	2000	Lincoln, Neb.					
KFAD	272.6	1100	500	Phoenix, Ariz.					
KFAU	285.5	1050	2000	Boise, Idaho					
KFBB	275.1	1090	50	Havre, Mon.					
KFBC	247.8	1210	100	San Diego, Cal.					
KFBK	535.4	560	100	Sacramento, Cal.					
KFBL	223.7	1340	50	Everett, Wash.					
KFBS	238	1260	15	Trinidad, Col.					
KFBU	428.3	700	500	Laramie, Wyo.					
KFCB	243.8	1230	125	Phoenix, Ariz.					
KFCR	211.1	1420	50	Santa Barbara, Cal.					
KFDM	374.8	800	500	Beaumont, Tex.					
KFDX	236.1	1270	250	Shreveport, La.					
KFDY	394.5	760	500	Brookings, S. D.					
KFDZ	215.7	1390	10	Minneapolis, Minn.					
KFEC	214.2	1400	50	Portland, Ore.					
KFEL	247.8	1210	250	Denver, Col.					
KFEQ	230.6	1300	1000	St. Joseph, Mo.					
KFEY	232.4	1290	10	Kellogg, Idaho.					
KFGQ	209.7	1430	10	Boone, Iowa.					
KFH	245.8	1220	500	Wichita, Kan.					
KFHA	254.1	1180	50	Gunnison, Col.					
KFHL	212.6	1410	10	Oskaloosa, Iowa.					
KFI	468.5	640	5000	Los Angeles, Cal.					
KFIF	214.2	1400	50	Portland, Ore.					
KFIO	245.8	1220	100	Spokane, Wash.					
KFIQ	208.2	1440	100	Yakima, Wash.					
KFIZ	267.7	1120	100	Fond du Lac, Wis.					
KFJB	247.8	1210	15	Marshalltown, Iowa.					
KFJF	272.6	1100	750	Oklahoma City, Ok.					
KFJI	249.9	1200	15	Astoria, Ore.					
KFJM	333.1	900	100	Grand Forks, N. D.					
KFJR	282.8	1060	100	Portland, Ore.					
KFJY	239.9	1250	100	Ft. Dodge, Iowa.					
KFJZ	249.9	1200	50	Fort Worth, Tex.					
KFKA	399.8	750	200	Greeley, Col.					
KFKB	241.8	1240	1000	Milford, Kan.					
KFKU	254.1	1180	500	Lawrence, Kan.					
KFKX	526	570	2500	Hastings, Neb.					
KFKZ	225.4	1330	15	Kirksville, Mo.					
KFLR	416.4	720	100	Albuquerque, N. M.					
KFLU	236.1	1270	15	San Benito, Tex.					
KFLV	267.7	1120	100	Rockford, Ill.					

Station Call	Wave Length	Kilo Cycles	Power Watts	Location of Station	No. 1 Dial	No. 2 Dial	No. 3 Dial	Date	Time
KFLX	270.1	1110	100	Galveston, Tex.					
KFMR	440.9	680	100	Sioux City, Iowa.					
KFMX	236.1	1270	500	Northfield, Minn.					
KFNF	270.1	1110	1000	Shenandoah, Iowa.					
KFOA	447.5	670	1000	Seattle, Wash.					
KFON	241.8	1240	500	Long Beach, Cal.					
KFOR	217.3	1380	100	Lincoln, Neb.					
KFOX	258.5	1160	100	Omaha, Neb.					
KFOY	285.5	1050	250	St. Paul, Minn.					
KFPL	275.1	1090	15	Dublin, Tex.					
KFPM	230.6	1300	15	Greenville, Tex.					
KFPR	232.4	1290	250	Los Angeles, Cal.					
KFPW	263	1140	50	Carterville, Mo.					
KFPY	245.8	1220	250	Spokane, Wash.					
KFQA	322.4	930	50	St. Louis, Mo.					
KFQB	260.7	1150	1000	Fort Worth, Tex.					
KFQU	249.9	1200	100	Holy City, Cal.					
KFQW	217.3	1380	100	Seattle, Wash.					
KFQZ	232.4	1290	100	Hollywood, Cal.					
KFRC	454.3	660	50	San Francisco, Cal.					
KFRU	249.9	1200	500	Columbia, Mo.					
KFSD	440.9	680	500	San Diego, Cal.					
KFSG	275.1	1090	500	Los Angeles, Cal.					
KFUL	258.5	1160	500	Galveston, Tex.					
KFUM	236.1	1270	100	Colorado Spgs., Col.					
KFUO	545.1	550	500	St. Louis, Mo.					
KFUP	227.1	1320	100	Denver, Col.					
KFUR	225.4	1330	50	Ogden, Utah					
KFUS	256.3	1170	50	Oakland, Cal.					
KFUT	499.7	600	50	Salt Lake City					
KFVD	208.2	1440	250	Venice, Cal.					
KFVE	234.2	1280	1000	St. Louis, Mo.					
KFVG	225.4	1330	50	Independence, Kan.					
KFVI	238	1260	50	Houston, Tex.					
KFVR	475.9	630	250	Denver, Col.					
KFVS	223.7	1340	50	Cape Girardeau, Mo.					
KFWB	361.2	830	500	Los Angeles, Cal.					
KFWC	222.1	1350	100	San Bernardino, Cal.					
KFWF	214.2	1400	250	St. Louis, Mo.					
KFWH	254.1	1180	100	Eureka, Cal.					
KFWI	267.7	1120	500	San Francisco, Cal.					
KFWM	236.1	1270	500	Oakland, Cal.					
KFWO	218.8	1370	250	Avalon, Cal.					
KFWV	228.9	1310	50	Portland, Ore.					
KFXB	252	1190	500	Los Angeles, Cal.					
KFXF	282.8	1060	500	Denver, Col.					
KFXH	241.8	1240	100	El Paso, Tex.					
KFXJ	215.7	1390	15	Near Edgewater, Col.					
KFXR	214.2	1400	15	Oklahoma City, Ok.					
KFXY	205.4	1460	25	Flagstaff, Ariz.					
KFYF	238	1260	25	Oxnard, Cal.					
KFYR	239.9	1250	250	Bismark, N. D.					
KGA	260.7	1150	2000	Spokane, Wash.					

Station Call	Wave Length	Kilo Cycles	Power Watts	Location of Station	No. 1 Dial	No. 2 Dial	No. 3 Dial	Date	Time
KGAR	234.2	1280	100	Tucson, Ariz.					
KGBS	202.6	1480	100	Seattle, Wash.					
KGBU	228.9	1310	500	Ketchikan, Alaska					
KGBX	288.3	1040	100	St. Joseph, Mo.					
KGBY	202.6	1480	50	Shelby, Neb.					
KGBZ	212.6	1410	100	York, Neb.					
KGCA	202.6	1480	10	Decorah, Iowa					
KGCB	215.7	1390	50	Oklahoma City, Ok.					
KGCG	223.7	1340	100	Newark, Ark.					
KGCH	293.9	1020	250	Wayne, Neb.					
KGCI	202.6	1480	15	San Antonio, Tex.					
KGCL	230.6	1300	50	Seattle, Wash.					
KGCN	208.2	1440	50	Concordia, Kan.					
KGCR	208.2	1440	15	Brookings, S. D.					
KGCU	208.2	1440	100	Mandan, N. D.					
KGCX	243.8	1230	10	Vida, Mon.					
KGDA	234.2	1280	15	Dell Rapids, S. D.					
KGDE	205.4	1460	50	Barrett, Minn.					
KGDJ	202.6	1480	10	Cresco, Iowa					
KGDM	217.3	1380	10	Stockton, Cal.					
KGDP	223.7	1340	10	Pueblo, Col.					
KGDR	202.6	1480	15	San Antonio, Tex.					
KGDW	206.8	1450	100	Humboldt, Neb.					
KGDX	212.6	1410	250	Shreveport, La.					
KGDY	206.8	1450	15	Oldham, S. D.					
KGEF	263	1140	500	Los Angeles, Cal.					
KGEH	201.2	1490	50	Eugene, Ore.					
KGEK	204	1470	10	Yuma, Col.					
KGEN	225.4	1330	15	El Centro, Cal.					
KGEO	205.4	1460	100	Grand Island, Neb.					
KGEQ	202.6	1480	50	Minneapolis, Minn.					
KGER	215.7	1390	100	Long Beach, Cal.					
KGES	204	1470	10	Central City, Neb.					
KGEU	227.1	1320	50	Lower Lake, Cal.					
KGEW	218.8	1370	10	Fort Morgan, Col.					
KGEY	201.2	1490	15	Denver, Col.					
KGEZ	205.4	1460	100	Kalispell, Mon.					
KGFB	223.7	1340	10	Iowa City, Iowa					
KGFF	205.4	1460	25	Alva, Okla.					
KGFG	215.7	1390	50	Oklahoma City, Okla.					
KGFH	223.7	1340	100	La Crescenta, Cal.					
KGFI	220.4	1360	15	Fort Stockton, Tex.					
KGFJ	208.2	1440	100	Los Angeles, Cal.					
KGFK	223.7	1340	50	Hallock, Minn.					
KGFL	222.1	1350	50	Trinidad, Col.					
KGFM	211.1	1420	15	Yuba, City, Cal.					
KGFN	199.9	1500	15	Aneta, N. D.					
KGFP	212.6	1410	10	Mitchell, S. D.					
KGO	384.4	780	5000	Oakland, Cal.					
KGRC	220.4	1360	50	San Antonio, Tex.					
KGRS	243.8	1230	150	Amarillo, Tex.					
KGTT	206.8	1450	50	San Francisco, Cal.					
KGW	491.5	610	1000	Portland, Ore.					

Station Call	Wave Length	Kilo Cycles	Power Watts	Location of Station	No. 1 Dial	No. 2 Dial	No. 3 Dial	Date	Time
KGY	243.8	1230	50	Lacey, Wash.					
KHJ	405.2	740	500	Los Angeles, Cal.					
KHQ	370.2	810	1000	Spokane, Wash.					
KICK	461.3	650	100	Anita, Iowa					
KJBS	220.4	1360	50	San Francisco, Cal.					
KJR	348.6	860	2500	Seattle, Wash.					
KKP	265.3	1130	15	Seattle, Wash.					
KLDS	238	1260	1500	Independence, Mo.					
KLIT	206.8	1450	10	Portland, Ore.					
KLS	245.8	1220	250	Oakland, Cal.					
KLX	508.2	590	500	Oakland, Cal.					
KLZ	267.7	1120	250	Denver, Col.					
KMA	270.1	1110	500	Shenandoah, Iowa					
KMED	267.7	1120	50	Medford, Ore.					
KMIC	223.7	1340	250	Inglewood, Cal.					
KMJ	365.6	820	50	Fresno, Cal.					
KMMJ	228.9	1310	500	Clay Center, Neb.					
KMO	254.1	1180	250	Tacoma, Wash.					
KMOX	299.8	1000	5000	St. Louis, Mo.					
KMTR	526	570	500	Los Angeles, Cal.					
KNRC	374.8	800	500	Santa Monica, Cal.					
KNX	336.9	890	500	Los Angeles, Cal.					
KOA	325.9	920	5000	Denver, Col.					
KOAC	270.1	1110	500	Corvallis, Ore.					
KOB	394.5	760	5000	State College, N. M.					
KOCH	258.5	1160	250	Omaha, Neb.					
KOCW	252	1190	250	Chickasha, Okla.					
KOIL	277.6	1080	1500	Council Bluffs, Ia.					
KOIN	319	940	1000	Portland, Ore.					
KOLO	199.9	1500	5	Durango, Col.					
KOMO	305.9	980	1000	Seattle, Wash.					
KOWW	299.8	1000	500	Walla Walla, Wash.					
KPCB	230.6	1300	50	Seattle, Wash.					
KPJM	214.2	1400	15	Prescott, Ariz.					
KPNP	211.1	1420	100	Muscatine, Iowa					
KPO	422.3	710	1000	San Francisco, Cal.					
KPPC	228.9	1310	50	Pasadena, Cal.					
KPRC	293.9	1020	500	Houston, Tex.					
KPSN	315.6	950	1000	Pasadena, Cal.					
KQV	270.1	1110	500	Pittsburgh, Pa.					
KQW	296.9	1010	500	San Jose, Cal.					
KRAC	220.4	1360	50	Shreveport, La.					
KRE	256.3	1170	100	Berkeley, Cal.					
KRLD	461.3	650	500	Dallas, Tex.					
KRLO	215.7	1390	250	Los Angeles, Cal.					
KROX	211.1	1420	50	Seattle, Wash.					
KRSC	211.1	1420	50	Seattle, Was.					
KSAC	333.1	900	500	Manhattan, Kan.					
KSBA	267.7	1120	1000	Shreveport, La.					
KSCJ	243.8	1230	500	Sioux City, Iowa					
KSD	545.1	550	500	St. Louis, Mo.					
KSEI	333.1	900	250	Pocatello, Idaho					
KSL	302.8	990	1000	Salt Lake City, Utah					

Station Call	Wave Length	Kilo Cycles	Power Watts	Location of Station	No. 1 Dial	No. 2 Dial	No. 3 Dial	Date	Time
KSMR	272.6	1100	100	Santa Maria, Cal.					
KSO	227.1	1320	500	Clarinda, Iowa					
KSOO	209.7	1320	500	Sioux Falls, S. D.					
KTAB	280.2	1070	500	Oakland, Cal.					
KTAP	228.9	1310	10	San Antonio, Tex.					
KTBI	288.3	1040	500	Los Angeles, Cal.					
KTBR	282.8	1060	50	Portland, Ore.					
KTCL	277.6	1080	500	Seattle, Wash.					
KTHS	340.7	880	750	Hot Springs, Ark.					
KTNT	256.3	1170	3500	Muscatine, Iowa.					
KTSA	265.3	1130	2000	San Antonio, Tex.					
KTUE	212.6	1410	5	Houston, Tex.					
KTW	394.5	760	1000	Seattle, Wash.					
KUJ	199.9	1500	10	Seattle, Wash.					
KUOA	296.9	1010	500	Fayetteville, Ark.					
KUOM	374.8	800	500	Missoula, Mont.					
KUSD	483.6	620	250	Vermillion, S. D.					
KUT	232.4	1290	500	Austin, Texas					
KVI	234.2	1280	50	Tacoma, Wash.					
KVOO	348.6	860	1000	Bristow, Okla.					
KVOS	209.7	1430	50	Seattle, Wash.					
KWBS	199.9	1500	15	Portland, Oregon					
KWCR	384.4	780	250	Cedar Rapids, Iowa					
KWG	344.6	870	50	Stockton, Cal.					
KWKC	222.1	1350	100	Kansas City, Mo.					
KWKH	394.5	760	1000	Shreveport, La.					
KWLC	247.8	1210	50	Decorah, Iowa					
KWSC	394.5	760	500	Pullman, Wash.					
KWTC	340.7	880	5	Santa Ana, Cal.					
KWUC	243.8	1230	1500	Lemars, Iowa					
KWWG	277.6	1080	500	Bronwsville, Tex.					
KXL	220.4	1360	50	Portland, Ore.					
KYA	309.1	970	500	San Francisco, Cal.					
KYW	526	570	2500	Chicago, Ill.					
KZM	245.8	1220	100	Oakland, Cal.					
WAAD	267.7	1120	25	Cincinnati, Ohio					
WAAF	389.4	770	500	Chicago, Ill.					
WAAM	348.6	860	500	Newark, N. J.					
WAAT	245.8	1220	300	Jersey City, N. J.					
WAAW	374.8	800	500	Omaha, Neb.					
WABC	325.9	920	2500	Richmond Hill, N. Y.					
WABF	205.4	1460	250	Pringleboro, Pa.					
WABI	389.4	770	100	Bangor, Me.					
WABO	232.4	1290	100	Rochester, N. Y.					
WABQ	212.6	1410	500	Philadelphia, Pa.					
WABR	280.2	1070	50	Toledo, Ohio					
WABW	247.8	1210	50	Wooster, Ohio					
WABY	247.8	1210	50	Philadelphia, Pa.					
WABZ	247.8	1210	50	New Orleans, La.					
WADC	239.9	1250	1000	Akron, Ohio					
WAFD	218.8	1370	250	Detroit, Mich.					
WAGM	225.4	1330	50	Royal Oak, Mich.					
WAGS	215.7	1390	5	Somerville, Mass.					

Station Call	Wave Length	Kilo Cycles	Power Watts	Location of Station	No. 1 Dial	No. 2 Dial	No. 3 Dial	Date	Time
WAIT	214.2	1400	10	Taunton, Mass.					
WAIU	282.8	1060	5000	Columbus, Ohio					
WALK	201.2	1490	50	Bethayres, Pa.					
WAMD	225.4	1330	500	Minneapolis, Minn.					
WAPI	491.5	610	1000	Auburn, Ala.					
WARS	227.1	1320	500	Brooklyn, N. Y.					
WASH	256.3	1170	250	Grand Rapids, Mich.					
WASN	230.6	1300	100	Boston, Mass.					
WATT	201.2	1490	100	Boston, Mass.					
WBAA	272.6	1100	500	W. Lafayette, Ind.					
WBAK	299.8	1000	500	Harrisburg, Pa.					
WBAL	285.5	1050	3000	Baltimore, Md.					
WBAO	267.7	1120	100	Decatur, Ill.					
WBAP	499.7	600	1500	Fort Worth, Tex.					
WBAW	247.8	1210	100	Nashville, Tenn.					
WBAX	249.9	1200	100	Wilkes-Barre, Pa.					
WBBC	227.1	1320	500	Brooklyn, N. Y.					
WBBL	247.8	1210	100	Richmond, Va.					
WBBM	389.4	770	1000	Chicago, Ill.					
WBBP	239.9	1250	100	Petoskey, Mich.					
WBBR	256.3	1170	1000	Rossville, N. Y.					
WBBW	236.1	1270	50	Norfolk, Va.					
WBBY	499.7	600	75	Charleston, S. C.					
WBBZ	204	1470	100	Chicago—Portable					
WBCN	288.3	1040	250	Chicago, Ill.					
WBES	296.9	1010	100	Takoma Park, Md.					
WBET	241.8	1240	500	Boston, Mass.					
WBKN	267.7	1120	100	Brooklyn, N. Y.					
WBMH	211.1	1420	100	Detroit, Mich.					
WBMS	267.7	1120	100	Union City, N. J.					
WBNY	218.8	1370	500	New York, N. Y.					
WBOQ	325.9	920	500	Richmond Hill, N. Y.					
WBRC	243.8	1230	250	Birmingham, Ala.					
WBRE	249.9	1200	100	Wilkes-Barre, Pa.					
WBRL	232.4	1290	500	Tilton, N. H.					
WBRS	211.1	1420	100	Brooklyn, N. Y.					
WBSO	384.4	780	100	Wellesley Hills, Mass.					
WBT	258.5	1160	500	Charlotte, N. C.					
WBZ	333.1	900	15000	Springfield, Mass.					
WBZA	333.1	900	500	Boston, Mass.					
WCAC	275.1	1090	500	Mansfield, Conn.					
WCAD	365.6	820	500	Canton, N. Y.					
WCAE	516.9	580	500	Pittsburgh, Pa.					
WCAH	535.4	560	250	Columbus, Ohio					
WCAJ	348.6	860	500	Lincoln, Neb.					
WCAL	236.1	1270	500	Northfield, Minn.					
WCAM	223.7	1340	500	Camden, N. J.					
WCAO	384.4	780	250	Baltimore, Md.					
WCAT	247.8	1210	100	Rapid City, S. D.					
WCAU	260.7	1150	500	Philadelphia, Pa.					
WCAX	254.1	1180	100	Burlington, Vt.					
WCAZ	340.7	880	50	Carthage, Ill.					
WCBA	222.1	1350	100	Allentown, Pa.					

Station Call	Wave Length	Kilo Cycles	Power Watts	Location of Station	No. 1 Dial	No. 2 Dial	No. 3 Dial	Date	Time
WCBD	344.6	870	5000	Zion, Ill.					
WCBE	227.1	1320	5	New Orleans, La.					
WCBH	241.8	1240	100	Oxford, Miss.					
WCBM	384.4	780	100	Baltimore, Md.					
WCBR	201.2	1490	100	Providence, R. I.					
WCBS	209.7	1430	250	Springfield, Ill.					
WCCO	405.2	740	5000	Minneapolis, Minn.					
WCDA	211.1	1420	500	Brooklyn, N. Y.					
WCFL	483.6	620	1500	Chicago, Ill.					
WCGU	211.1	1420	500	Coney Island, N. Y.					
WCLO	227.1	1320	100	Camp Lake, Wis.					
WCLS	215.7	1390	150	Joliet, Ill.					
WCMA	258.5	1160	250	Culver, Ind.					
WCOA	249.9	1200	500	Pensacola, Fla.					
WCOC	230.6	1300	100	Columbus, Miss.					
WCOM	238	1260	100	Manchester, N. H.					
WCOT	225.4	1330	50	Olneyville R. I.					
WCRW	223.7	1340	500	Chicago, Ill.					
WCSH	361.2	830	500	Portland, Maine					
WCSO	256.3	1170	500	Springfield, Ohio					
WCWK	228.9	1310	500	Fort Wayne, Ind.					
WCWS	201.2	1490	100	Bridgeport, Conn.					
WDAD	225.4	1330	500	Nashville, Tenn.					
WDAE	267.7	1120	500	Tampa, Fla.					
WDAF	370.2	810	1000	Kansas City, Mo.					
WDAG	263	1140	250	Amarillo, Tex.					
WDAH	234.2	1280	100	El Paso, Tex.					
WDAY	361.2	830	250	Fargo, N. D.					
WDBJ	230.6	1300	250	Roanoke, Va.					
WDBK	227.1	1320	250	Cleveland, Ohio					
WDBO	239.9	1250	500	Winter Park, Fla.					
WDBZ	215.7	1390	50	Kingston, N. Y.					
WDEL	265.3	1130	100	Wilmington, Del.					
WDGY	260.7	1150	500	Minneapolis, Minn.					
WDOD	254.1	1180	500	Chattanooga, Conn.					
WDRC	275.1	1090	250	New Haven, Conn.					
WDWF	384.4	780	500	Cranston, R. I.					
WLSI	384.4	780	500	Cranston, R. I.					
WDWM	236.1	1270	500	Newark, N. J.					
WDZ	277.6	1080	100	Tuscola, Ill.					
WEAF	491.5	610	5000	New York, N. Y.					
WEAI	483.6	620	250	Ithaca, N. Y.					
WEAM	239.9	1250	250	N. Plainfield, N. J.					
WEAN	319	940	500	Providence, R. I.					
WEAO	282.8	1060	750	Columbus, Ohio.					
WEAR	399.8	750	1000	Cleveland, Ohio					
WEBC	241.8	1240	250	Superior, Wis.					
WEBE	247.8	1210	10	Cambridge, Ohio					
WEBH	365.6	820	2000	Chicago, Ill.					
WEBJ	370.2	810	500	New York, N. Y.					
WEBQ	223.7	1340	15	Harrisburg, Ill.					
WEBR	241.8	1240	200	Buffalo, N. Y.					
WEBW	258.5	1160	500	Beloit, Wis.					

Station Call	Wave Length	Kilo Cycles	Power Watts	Location of Station	No. 1 Dial	No. 2 Dial	No. 3 Dial	Date	Time
WEDC	241.8	1240	500	Chicago, Ill.					
WEEI	447.5	670	500	Boston, Mass.					
WEHS	215.7	1390	100	Evanston, Ill.					
WEMC	238	1260	1000	Berrien Sprgs., Mich.					
WENR	288.3	1040	500	Chicago, Ill.					
WEPS	296.9	1010	100	Gloucester, Mass.					
WEW	352.7	850	1000	St. Louis, Mo.					
WFAA	499.7	600	500	Dallas, Tex.					
WFAM	252	1190	10	St. Cloud, Minn.					
WFBC	234.2	1280	50	Knoxville, Tenn.					
WFBE	245.8	1220	250	Cincinnati, Ohio					
WFBG	280.2	1070	100	Altoona, Pa.					
WFBJ	272.6	1100	100	Collegeville, Minn.					
WFBL	258.5	1160	750	Syracuse, N. Y.					
WFBM	225.4	1330	250	Indianapolis, Ind.					
WFBR	225.4	1330	100	Baltimore, Md.					
WFBZ	247.8	1210	50	Galesburg, Ill.					
WFCI	225.4	1330	50	Pawtucket, R. I.					
WFDF	348.6	860	100	Flint, Mich.					
WFHH	365.6	820	500	Clearwater, Fla.					
WFI	405.2	740	500	Philadelphia, Pa.					
WFIW	245.8	1220	500	Hopkinsville, Ky.					
WFKB	223.7	1340	500	Chicago, Ill.					
WFKD	205.4	1460	10	Philadelphia, Pa.					
WFLA	212.6	1410	1000	Boca Raton, Fla.					
WFRL	218.8	1370	500	Brooklyn, N. Y.					
WGAL	252	1190	15	Lancaster, Pa.					
WGBB	245.8	1220	400	Freeport, N. Y.					
WGBC	277.6	1080	15	Memphis, Tenn.					
WGBF	236.1	1270	250	Evansville, Ind.					
WGBI	230.6	1300	100	Scranton, Pa.					
WGBS	348.6	860	500	Astoria, N. Y.					
WGBX	389.4	770	500	Orono, Me.					
WGCP	280.2	1070	500	Newark, N. J.					
WGES	241.8	1240	500	Chicago, Ill.					
WGHP	243.8	1230	1500	Mt. Clements, Mich.					
WGL	256.3	1170	500	New York, N. Y.					
WGM	208.2	1440	50	Jeanette, Pa.					
WGMU	201.2	1490	100	New York, N. Y.					
WGN	305.9	980	15000	Chicago, Ill.					
WGR	302.8	990	750	Buffalo, N. Y.					
WGST	270.1	1110	500	Atlanta, Ga.					
WGWB	218.8	1370	500	Milwaukee, Wis.					
WGY	379.5	790	30000	Schenectady, N. Y.					
WHA	319	940	750	Madison, Wis.					
WHAD	293.9	1020	500	Milwaukee, Wis.					
WHAM	277.6	1080	500	Rochester, N. Y.					
WHAP	236.1	1270	1000	New York, N. Y.					
WHAR	272.6	1100	750	Atlantic City, N. J.					
WHAS	461.3	650	500	Louisville, Ky.					
WHAZ	379.5	790	500	Troy, N. Y.					
WHB	336.9	890	500	Kansas City, Mo.					
WHBA	260.7	1150	10	Oil City, Pa.					

Station Call	Wave Length	Kilo Cycles	Power Watts	Location of Station	No. 1 Dial	No. 2 Dial	No. 3 Dial	Date	Time
WHBC	236.1	1270	10	Canton, Ohio					
WHBD	222.1	1350	100	Bellefontaine, Ohio					
WHBF	222.1	1350	100	Rock Island, Ill.					
WHBL	204	1470	100	Portable—Chicago					
WHBM	201.2	1490	100	Portable—Chicago					
WHBN	296.9	1010	10	St. Petersburg, Fla.					
WHBP	238.9	1310	250	Johnstown, Pa.					
WHBQ	232.4	1290	100	Memphis, Tenn.					
WHBU	220.4	1360	15	Anderson, Ind.					
WHBW	220.4	1360	50	Philadelphia, Pa.					
WHBY	249.9	1200	50	West De Pere, Wis.					
WHDI	245.8	1220	500	Minneapolis, Minn.					
WHEC	232.4	1290	100	Rochester, N. Y.					
WHFC	215.7	1390	200	Chicago, Ill.					
WHK	265.3	1130	500	Cleveland, Ohio					
WHN	394.5	760	500	New York, N. Y.					
WHO	535.4	560	5000	Des Moines, Iowa					
WHPP	206.8	1450	10	New York, N. Y.					
WHT	416.4	720	5000	Chicago, Ill.					
WIAD	220.4	1360	50	Philadelphia, Pa.					
WIAS	475.9	630	100	Burlington, Iowa					
WIBA	239.9	1250	100	Madison, Wis.					
WIBG	440.9	680	50	Elkins Park, Pa.					
WIBI	267.7	1120	100	Flushing, N. Y.					
WIBJ	201.2	1490	100	Portable—Chicago					
WIBM	201.2	1490	100	Portable—Chicago					
WIBO	416.4	720	500	Chicago, Ill.					
WIBR	249.9	1200	50	Steubenville, Ohio					
WIBS	204	1470	150	Elizabeth, N. J.					
WIBU	217.3	1380	20	Poynette, Wis.					
WIBW	204	1470	100	Portable—Chicago					
WIBX	238	1260	150	Utica, N. Y.					
WIBZ	230.6	1300	15	Montgomery, Ala.					
WICC	214.2	1400	250	Bridgeport, Conn.					
WIL	258.5	1160	250	St. Louis, Mo.					
WIOD	247.8	1210	1000	Miami, Fla.					
WIP	508.2	590	500	Philadelphia, Pa.					
WJAD	447.5	670	500	Waco, Tex.					
WJAG	222.1	1350	250	Norfolk, Neb.					
WJAK	234.2	1280	50	Kokomo, Ind.					
WJAM	384.4	780	100	Cedar Rapids, Ia.					
WJAR	483.6	620	500	Providence, R. I.					
WJAS	270.1	1110	500	Pittsburgh, Pa.					
WJAX	336.9	890	1000	Jacksonville, Fla.					
WJAY	265.3	1130	500	Cleveland, Ohio					
WJAZ	263	1140	5000	Mt. Prospect, Ill.					
WJBA	322.4	930	50	Joliet, Ill.					
WJBB	344.6	870	250	St. Petersburg, Fla.					
WJBC	227.1	1320	100	La Salle, Ill.					
WJBI	267.7	1120	250	Red Bank, N. J.					
WJBK	224.4	1360	15	Ypsilanti, Mich.					
WJBL	212.6	1410	250	Decatur, Ill.					
WJBO	263	1410	100	New Orleans, La.					

Station Call	Wave Length	Kilo Cycles	Power Watts	Location of Station	No. 1 Dial	No. 2 Dial	No. 3 Dial	Date	Time
WJBR	227.1	1320	100	Omro, Wis.					
WJBT	389.4	770	100	Chicago, Ill.					
WJBU	214.2	1400	100	Lewisburg, Pa.					
WJBW	238	1260	30	New Orleans, La.					
WJBY	234.2	1280	50	Gadsden, Ala.					
WJBZ	208.2	1440	100	Chicago Hghts, Ill.					
WJJD	365.6	820	1000	Moosehart, Ill.					
WJPW	208.2	1440	30	Ashtabula, Ohio					
WJR	440.9	680	5000	Pontiac, Mich.					
WJY	WW	669	30000	New York, N. Y.					
WJZ	454.3	660	30000	Bound Brook, N. J.					
WKAF	293.9	1020	500	Milwaukee, Wiss.					
WKAQ	340.7	880	500	San Juan, P. R.					
WKAR	230.6	1300	1000	E. Lansing, Mich.					
WKAV	223.7	1340	50	Laconia, N. H.					
WKBB	215.7	1390	150	Joliet, Ill.					
WKBC	218.8	1370	10	Birmingham, Ala.					
WKBE	228.9	1310	100	Webster, Mass.					
WKBF	252	1190	250	Indianapolis, Ind.					
WKBG	201.6	1490	100	Chicago—Portable					
WKBH	220.4	1360	500	La Crosse, Wis.					
WKBI	322.4	930	50	Chicago, Ill.					
WKBL	205.4	1460	15	Monroe, Mich.					
WKBM	208.2	1440	100	Newburgh, N Y.					
WKBN	214.2	1400	50	Youngstown, Ohio					
WKBO	218.8	1370	500	Jersey City, N. J.					
WKBP	212.6	1410	50	Battle Creek, Mich.					
WKBQ	218.8	1370	500	New York, N. Y.					
WKBS	217.3	1380	100	Galesburg, Ill.					
WKBT	252	1190	50	New Orleans, La.					
WKBU	204	1470	50	Port Newcastle, Pa.					
WKBV	217.3	1380	100	Brookville, Ind.					
WKBW	217.3	1380	500	Buffalo, N. Y.					
WKBZ	199.9	1500	15	Ludington, Mich.					
WKDR	322.4	930	15	Kenosha, Wis.					
WKJC	252	1190	50	Lancaster, Pa.					
WKRC	333.1	900	500	Cincinnati, Ohio					
WKY	288.3	1040	150	Oklahoma City, Okla.					
WLAP	267.7	1120	30	Louisville, Ky.					
WLB	245.8	1220	500	Minneapolis, Minn.					
WLBC	209.7	1430	50	Muncie, Ind.					
WLBF	209.7	1430	50	Kansas City, Mo.					
WLBG	214.2	1400	100	Petersburg, Va.					
WLBH	201.2	1490	30	Farmingdale, N. Y.					
WLBI	238	1260	250	East Wenona, Ill.					
WLBL	319	940	1000	Stevens Point, Wis.					
WLBM	211.1	1420	50	Boston, Mass.					
WLBN	204	1470	50	Portable, Chicago					
WLBO	217.3	1380	100	Galesburg, Ill.					
WLBP	202.6	1480	15	Ashland, Ohio					
WLBQ	202.6	1480	25	Atwood, Ill.					
WLBR	322.4	930	15	Belvidere, Ill.					
WLBT	322.4	930	50	Crown Point, Ind.					

Station Call	Wave Length	Kilo Cycles	Power Watts	Location of Station	No. 1 Dial	No. 2 Dial	No. 3 Dial	Date	Time
WLBV	206.8	1450	50	Mansfield, Ohio					
WLBW	293.9	1020	500	Oil City, Pa.					
WLBX	204	1470	250	Long Island City, N.Y.					
WLBY	209.7	1430	50	Iron Mountain, Mich.					
WLBZ	208.2	1440	250	Dover-Foxcroft, Me.					
WLCI	2478.	1210	50	Ithaca, N. Y.					
WLIB	305.9	980	500	Chicago, Ill.					
WLIT	405.2	740	500	Philadelphia, Pa.					
WLS	344.6	870	5000	Chicago, Ill.					
WLTS	483.6	620	100	Chicago, Ill.					
WLW	428.3	700	5000	Cincinnati, Ohio					
WLWL	293.9	1020	1000	New York, N. Y.					
WMAC	225.4	1330	500	Cazenovia, N. Y.					
WMAF	428.3	700	500	Dartmouth, Mass.					
WMAK	545.1	550	750	Lockport, N. Y.					
WMAL	228.9	1310	100	Washington, D. C.					
WMAN	234.2	1280	50	Columbus, Ohio					
WMAQ	447.5	670	1000	Chicago, Ill.					
WMAY	247.8	1210	100	St. Louis, Mo.					
WMAZ	270.1	1110	500	Macon, Ga.					
WMBA	204	1470	100	Port. Newport, R. I.					
WMBB	252	1190	500	Chicago, Ill.					
WMBC	211.1	1420	100	Detroit, Mich.					
WMBD	205.4	1460	250	Peoria Heights, Ill.					
WMBE	208.2	1440	10	St. Paul, Minn.					
WMBF	384.4	780	500	Miami Beach, Fla.					
WMBG	206.8	1450	15	Richmond, Va.					
WMBH	204	1470	100	Portable, Chicago					
WMBI	263	1140	500	Chicago, Ill.					
WMBJ	232.4	1290	50	Monessen, Pa.					
WMBL	228.9	1310	50	Lakeland, Fla.					
WMBM	209.7	1430	10	Memphis, Tenn.					
WMBO	220.4	1360	100	Auburn, N. Y.					
WMBQ	204	1470	100	Brooklyn, N. Y.					
WMBR	252	1190	100	Tampa, Fla.					
WMBS	234.2	1280	250	Harrisburg, Pa.					
WMBU	217.3	1380	50	Pittsburgh, Pa.					
WMBW	214.2	1400	50	Youngstown, Ohio					
WMBY	199.9	1500	15	Bloomington, Ill.					
WMC	216.9	580	500	Memphis, Tenn.					
WMCA	370.2	810	500	New York, N. Y.					
WMPC	234.2	1280	30	Lapeer, Mich.					
WMRJ	206.8	1450	10	Jamaica, N. Y.					
WMSG	236.1	1270	500	New York, N. Y.					
WNAB	230.6	1300	100	Boston, Mass.					
WNAC	265.3	1130	500	Boston, Mass.					
WNAD	239.9	1250	500	Norman, Okla.					
WNAL	258.5	1160	250	Omaha, Neb.					
WNAT	288.3	1040	100	Philadelphia, Pa.					
WNAX	302.8	990	250	Yankton, S. D.					
WMBA	208.2	1440	200	Forest Park, Ill.					
WNBF	206.8	1450	50	Endicott, N. Y.					
WNBH	260.7	1150	250	New Bedford, Mass.					

Station Call	Wave Length	Kilo Cycles	Power Watts	Location of Station	No. 1 Dial	No. 2 Dial	No. 3 Dial	Date	Time
WNJ	280.2	1070	100	Newark, N. J.					
WNOX	265.3	1130	1000	Knoxville, Tenn.					
WNRC	223.7	1340	250	Greensboro, N. C.					
WNYC	535.4	560	500	New York, N. Y.					
WOAI	302.8	990	5000	San Antonio, Texas					
WOAN	285.5	1050	250	Lawrenceburg Tenn.					
WOAX	239.9	1250	500	Trenton, N. J.					
WOC	352.7	850	5000	Davenport, Iowa					
WOCL	223.7	1310	25	Jamestown, N. Y.					
WODA	293.9	1020	1000	Paterson, N. J.					
WOI	265.3	1130	2500	Ames, Iowa					
WOK	252	1190	5000	Chicago, Ill.					
WOKO	215.7	1390	250	Peekskill, N. Y.					
WOKT	209.7	1430	500	Rochester, N. Y.					
WOMT	222.1	1350	50	Manitowoc, Wis.					
WOO	508.2	590	500	Philadelphia, Pa.					
WOOD	260.7	1150	500	Furnwood, Mich.					
WOQ	336.9	890	250	Kansas City, Mo.					
WOR	422.3	710	500	Newark, N. J.					
WORD	275.1	1090	5000	Chicago, Ill.					
WOS	394.5	760	500	Jefferson City, Mo.					
WOW	508.2	590	1000	Omaha, Neb.					
WOWO	228.9	1310	1000	Fort Wayne, Ind.					
WPAB	209.7	1430	100	Norfolk, Va.					
WPCC	223.7	1340	500	Chicago, Ill.					
WPCH	309.1	970	500	New York, N. Y.					
WPDQ	205.4	1460	50	Buffalo, N. Y.					
WPEP	215.7	1390	250	Waukegan, Ill.					
WPG	272.6	1100	2500	Atlantic City, N. J.					
WPRC	209.7	1430	100	Harrisburg, Pa.					
WPSC	299.8	1000	500	State College, Pa.					
WPSW	202.6	1430	50	Philadelphia, Pa.					
WQAA	215.7	1390	500	Parkesburg, Pa.					
WQAE	249.9	1200	50	Springfield, Vt.					
WQAM	322.4	930	750	Miami, Fla.					
WQAN	230.6	1300	100	Scranton, Pa.					
WQAO	394.5	760	500	Cliffside, N. J.					
WQJ	447.5	670	500	Chicago, Ill.					
WRAF	208.2	1440	100	Laporte, Ind.					
WRAH	199.9	1500	250	Providence, R. I.					
WRAK	282.8	1060	50	Escanaba, Mich.					
WRAM	247.8	1210	50	Galesburg, Ill.					
WRAV	340.7	880	100	Yellow Springs, O.					
WRAW	238	1260	50	Reading, Pa.					
WRAX	288.3	1040	250	Philadelphia, Pa.					
WRBC	238	1260	250	Valparaiso, Ind.					
WRC	468.5	640	500	Washington, D. C.					
WRCO	217.3	1380	250	Raleigh, N. C.					
WREC	251.1	1180	50	Memphis, Tenn.					
WREN	254.1	1180	750	Lawrence, Kan.					
WREO	230.6	1300	500	Lansing, Mich.					
WRES	217.3	1380	50	Quincy, Mass.					
WRHF	319	940	50	Washington, D. C.					

Station Call	Wave Length	Kilo Cycles	Power Watts	Location of Station	No. 1 Dial	No. 2 Dial	No. 3 Dial	Date	Time
WRHM	260.7	1150	1000	Minneapolis, Minn.					
WRM	272.6	1100	500	Urbana, Ill.					
WRMU	201.2	1490	100	Motor Yacht Mu-I.					
WRNY	509.1	970	500	New York, N. Y.					
WRPI	208.2	1440	100	Terre Haute, Ind.					
WRR	352.7	850	500	Dallas, Texas.					
WRRS	322.4	930	50	Racine, Wis.					
WRST	211.1	1420	250	Bay Shore, N. Y.					
WRVA	254.1	1180	1000	Richmond, Va.					
WSAI	361.2	830	5000	Cincinnati, Ohio					
WSAJ	223.7	1340	250	Grove City, Pa.					
WSAN	222.1	1350	100	Allentown, Pa.					
WSAR	252.0	1190	100	Fall River, Mass.					
WSAX	201	1470	100	Chicago, Ill.					
WSAZ	241.8	1240	100	Huntington, W. Va.					
WSB	475.9	630	1000	Atlanta, Ga.					
WSBC	232.4	1290	500	Chicago, Ill.					
WSBT	222.1	1350	250	South Ben, Ind.					
WSDA	227.1	1320	250	New York, N. Y.					
WSEA	218.8	1370	250	Virginia Beach, Va.					
WSIX	212.6	1410	150	Springfield, Tenn.					
WSKC	491.5	610	250	Bay City, Mich.					
WSM	319	940	2000	Nashville, Tenn.					
WSMB	322.4	930	500	New Orleans, La.					
WSMK	296.9	1010	200	Dayton, Ohio					
WSOE	270.1	1110	500	Milwaukee, Wis.					
WSOM	245.8	1220	500	New York, N. Y.					
WSRO	384.4	780	100	Hamilton, Ohio					
WSSH	230.6	1300	100	Boston, Mass.					
WSUI	422.3	710	500	Iowa City, Iowa					
WSVS	205.4	1460	50	Buffalo, N. Y.					
WSYR	225.4	1330	500	Syracuse, N. Y.					
WTAD	236	1270	250	Quincy, Ill.					
WTAG	516.9	580	500	Worcester, Mass.					
WTAL	280.2	1070	100	Toledo, Ohio					
WTAM	399.8	750	3500	Cleveland, Ohio					
WTAQ	254.1	1180	500	Eau Claire, Wis.					
WTAR	275.1	1090	500	Norfolk, Va.					
WTAS	275.1	1090	3500	Batavia, Ill.					
WTAW	309.1	970	500	College Sta., Texas					
WTAX	322.4	930	50	Streator, Ill.					
WTAZ	220.4	1360	15	Lambertville, N. J.					
WTHO	218.8	1370	250	Detroit, Mich.					
WTIC	461.3	650	500	Hartford, Conn.					
WTMJ	293.9	1020	500	Milwaukee, Wis.					
WTRL	206.8	1450	15	Midland Park, N. J.					
WTRC	204	1470	50	Brooklyn, N. Y.					
WWAE	232.4	1290	500	Chicago, Ill.					
WWJ	374.8	800	1000	Detroit, Mich.					
WWL	275.1	1090	100	New Orleans, La.					
WWNC	296.9	1010	1000	Asheville, N. C.					
WWRL	267.7	1120	100	Woodside, N. Y.					
WWVA	389.4	770	100	Wheeling, W. Va.					

Principal Canadian Radio Broadcast Stations

Station Call	Wave Length	Kilo Cycles	Power Watts	Location of Station	No. 1 Dial	No. 2 Dial	No. 3 Dial	Date	Time
CFAC	435	690	500	Calgary, Alberta					
CFCA	356.9	840	500	Toronto, Ont.					
CFCF	410.7	730	1650	Montreal, Que.					
CFCH	499.7	600	250	Iroquois Falls, Ont.					
CFCK	516.9	580	100	Edmonton, Alberta					
CFCN	434.5	690	1800	Calgary, Alberta					
CFCT	329.5	910	500	Victoria, B. C.					
CFCU	340.7	880	500	Hamilton, Ont.					
CFCY	312.4	960	50-100	Charlottetown, P. E. I.					
CFGC	296.9	1010	50	Brantford, Ont.					
CFKC	247.8	1210	75	Thorold, Ont.					
CFQC	329.5	910	500	Saskatoon, Sask.					
CFRC	267.7	1120	500	Kingston, Ont.					
CFXC	291.1	1030	20	New Westminster, B. C.					
CFYC	410.7	730	500	Vancouver, B. C.					
CHIC	356.9	840	500	Toronto, Ontario					
CHNC	356.9	840	500	Toronto, Ont.					
CHSC	356.9	840	250	Unity, Sask.					
CHUC	329.5	910	50	Saskaton, Sask.					
CHXC	434.5	690	250	Ottawa, Ont.					
CHYC	410.7	730	850	Montreal, Que.					
CJCA	516.9	580	500	Edmonton, Alberta					
CJCD	356.9	840	50	Toronto, Ont.					
CJCF	—	—	50	Kitchener, Ont.					
CJCL	270.5	—	35	Montreal, Que.					
CJGC	329.5	910	50	London, Ont.					
CJKC	410.7	730	500	Vancouver, B. C.					
CJSC	356.9	840	500	Toronto, Ont.					
CJWC	329.5	910	250	Saskatoon, Sask.					
CJYC	291.1	1030	500	Scarboro Sta., Ont.					
CKAC	410.7	730	1200	Montreal, Que.					
CKCD	410.7	730	1000	Vancouver, B. C.					
CKCK	312.3	960	500	Regina, Sask.					
CKCL	357	840	—	Toronto, Ont.					
CKCO	690	435	—	Ottawa, Ont.					
CKCW	330	910	—	Burlington Junc., Ont.					
CKFC	411	730	—	Vancouver, B. C.					
CKNC	357	840	—	Vancouver, B. C.					
CKOC	341	880	—	Hamilton, Ont.					
CKY	384	800	—	Winnipeg, Man.					
CNRA	313	960	—	Moncton, N. B.					
CNRC	434	690	—	Calgary, Alta					
CNRE	517	580	—	Edmonton, Alta					
CNRM	411	730	—	Montreal, Que.					
CNRO	435	690	—	Otawa, Ont.					
CNRR	312	960	—	Regina, Sask.					
CNRS	329	910	—	Saskatoon, Sask.					
CNRT	357	840	—	Toronto, Ont.					
CNRV	291	1030	—	Lulu Island, B. C.					
CNRW	384	800	—	Winnipeg, Man.					

TROUBLE FINDER

If your set fails to function properly or stops, the following list of possible reasons for doing so should be checked up carefully and remedied accordingly.

1. No signals received on Phones or Loud Speaker

A — Battery Switch not turned on.
B — Volume control not turned up.
C — Loud Speaker or Phones not connected.
D — Loud Speaker or Phones defective.
E — Poor or incorrect "A," "B," or "C" Battery connections.
F — Batteries defective or run down.
G — Antenna or ground circuit open.
H — Antenna grounded.
I — Tubes not making good contact in sockets.
J — One or more defective tubes.
K — Probably no Stations broadcasting due to an S.O.S. that may be on the air.
L — Defective or burnt out transformer.

2. Signals weak in Loud Speaker or Phones

A — "A," "B," or "C" Batteries run down.
B — "A," or "C" Battery connections reversed.
C — "B" Batteries not properly connected.
D — Poor connections on "A" Batteries.
E — "A" Battery terminals dirty or corroded.
F — Poor connection in Antenna or Ground Circuit.
G — Defective lightning arrester.
H — Tubes not making good contact in socket.
I — One or more defective tubes.
J — Loud Speaker cords reversed.
K — Antenna shielded by metal or steel in building.
L — Antenna in contact with damp walls.
M — Coils damp soaked due to dampness of location of set.

3. Loud Speaker Reception, Noisy

A — Loose or corroded battery connections.
B — Loose connection in "C" Battery.
C — Run down "C" Battery.
D — Run down "B" Batteries.
E — Loose Antenna or Ground connections.
F — Loose connection in receiver or binding post terminals.
G — Loud Speaker too close to receiver.
H — Rheostats turned up too high.
I — Detector tube defective or microphonic.
J — One or more defective tubes.
K — Improper grid leak value.
L — Excessive "B" current on your detector tube.
M — Loose or broken Loud Speaker cords or connections.
N — Trouble may be at broadcast station.

4. Signals Distorted

A — Loud Speaker defective, or not adjusted correctly.
B — Volume control set too high, overloading tubes or loud speaker.
C — Last tube overloaded install power tube.
D — Poor quality broadcasting.
E — More than one Station operating on same wave.
F — Run down "B," or "C" Batteries.
G — Selector dial not properly set.
H — Improper "C" bias on amplifier tubes.

5. Interference from nearby Stations

A — Antenna too long.
B — High resistance ground connection.
C — Transmission from nearby broadcast station broadly tuned.
D — Coils not properly designed.
E — Interstage coupling with RF Coils.

Ce Co Tubes

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THE NEW

Rola

CONE RE-CREATOR

THE NEW Rola Cone Re* Creator, a finer, better cone loud speaker for your radio. The tone is rich, brilliant and clear, with perfect preservation of the deep bass tones which make music so enjoyable.

FADA Radio

This little brother of the Fada 8 is a giant in its own right. A 6 tube shielded, tuned radio frequency receiver, with neutrodyne improvements. Three stages radio—detector—two audio. Two dial control—wave length read direct from dial. Two or one stage of audio optional with power tube always preceding speaker. Drum dials. Disappearing loop.

When used with the Fada Cone Speaker this is, beyond doubt, the most efficient modestly priced receiver ever designed.

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6 VOLT STORAGE BATTERY TYPE

DL2, DETECTOR AND AMPLIFIER

For UX and Regular Standard Sockets

DV2 for Standard Sockets

Reg. $2.00 value

$1.00 EACH

DOUBLE VALUE TUBES

Duval ENERGEE

DUVAL ENERGEE tubes will last years if printed directions are followed.

Every DUVAL ENERGEE tube carries free rejuvenation service. This means after long service we will rejuvenate your tube EQUAL TO NEW without any extra charge, DUVAL ENERGEE tubes, therefore, have double energy.

Each DUVAL tube before it reaches you is warranted to give perfect reception under every condition.

CYCLONE V T BATTERY

WALTHAL ELECTRIC CO. INC.

45 Volts $3.00

Equipped with 3 spring clip terminals

Duval ENERGEE

BATTERIES

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Heavy Duty 45 Volt.....2.90

AMBASSADOR TONE GATES

ADVANTAGES

1. Amplifies notes of all frequencies evenly.
2. Uses standard Vacuum tubes.
3. Self-biasing Tone Gates make an extra C-battery unnecessary.
4. Operates with B-Eliminators without "Motorboating."
5. Carries 25 milliamperes without overheating.
6. Permits the use of any power tube in the last stage.
7. Gives twice the volume of a three-stage resistance amplifier and more volume than a two-stage transformer-coupled amplifier.
8. Tone Gates are an open door to all tones.

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Radio

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