



TUNG-SOL

WORLD RADIO LOG

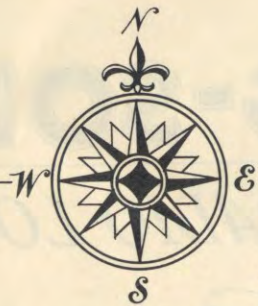
How to Get the Best That's on the Air at Home and Abroad

By CLYDE C. BOHNER

Vice-President in Charge of Engineering

Whatever your radio set, remember it is your contact with the wonder world of radio. Broadcasting is being constantly improved by an army of fine technicians. Receiving sets are keeping step in the march of radio progress. If you haven't a good set, get one. It's an investment that will pay you rich dividends in entertainment, education and keeping in touch with current events. If you have a good set, keep it good. It's easy for the ear to become accustomed to reception that gradually gets poorer. With millions of dollars being spent on broadcasts for you to receive free, it is poor economy to put up with anything short of the best reception. Have your set inspected regularly.

The modern radio set is a very complicated mechanism and, like the modern automobile, requires proper servicing. The average radio set is probably in use many more hours a day than the



average car, but the small amount of attention the set receives is, indeed, deplorable. No one waits to replace spark plugs until they will not function. Yet so many people try to get along with tubes long past their normal life. You can't get good reception with worn-out tubes.

The dealer who gives you this log will be glad to go over your set, check it up and tell you what's needed to put it in shape to get the best that's on the air. Perhaps it only needs adjusting, balancing and tuning the condensers, or replacing tubes. Ask him about your antenna. A properly constructed antenna is not expensive and will make a world of difference in your reception.

The Tung-Sol franchised dealer knows his business and he knows his tubes. He has selected and recommends Tung-Sol tubes because he knows the quality and precision built into them. He has been selected by Tung-Sol because of his competence and standing. You can call him in with the assurance that your set will receive expert servicing at a reasonable cost.

The photographs of the radio stars appearing on the pages alongside the American programs appear by courtesy of the great broadcasting companies; N. B. C. stars, courtesy of National Broadcasting Company; C. B. S. stars, courtesy of Columbia Broadcasting System. Foreign stars appear by courtesy of "Short-Wave Listener." Certain of the tables were supplied by "Radio News." To all the above we extend our sincere appreciation for the co-operation in compiling a comprehensive and interesting log. TUNG-SOL LAMP WORKS, INC., Radio Tube Division.

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UNITED STATES BROADCASTING STATIONS

ALPHABETICALLY BY CALL LETTERS

Call	Kc.	Location	Kw.	Call	Kc.	Location	Kw.
KABC	1420	San Antonio, Texas	.1	KFUD	550	St. Louis, Mo.	.5
KABR	1420	Aberdeen, S. D.	.1	KFVD	1000	Los Angeles, Calif.	.25
KADA	1200	Ax, Okla.	.1	KFVS	1210	Cape Girardeau, Mo.	.1
KALB	1420	Alexandria, La.	.1	KFWB	950	Hollywood, Calif.	1.
KALE	1300	Portland, Ore.	.5	KFKD	1200	Nampa, Idaho	.1
KARK	890	Little Rock, Ark.	.25	KFXJ	1200	Grand Junction, Colo.	.1
KASA	1210	Elk City, Okla.	.1	KFKM	1210	San Bernardino, Calif.	.1
KAST	1370	Astoria, Ore.	.1	KFXR	1310	Oklahoma City, Okla.	.1
KBPS	1420	Portland, Ore.	.1	KFYO	1310	Lubbock, Texas	.1
KBTM	1200	Jonesboro, Ark.	.1	KFYR	550	Bismarck, N. Dakota	1.
KCMC	1420	Texarkana, Ark.	.1	KGA	1470	Spokane, Wash.	5.
KCRC	1360	Enid, Okla.	.25	KGAR	1370	Tucson, Ariz.	.1
KCRJ	1310	Jerome, Ariz.	.1	KGB	1330	San Diego, Calif.	1.
KDB	1500	Santa Barbara, Calif.	.1	KGBU	900	Ketchikan, Alaska	.5
KDFN	1440	Casper, Wyo.	.5	KGBX	1230	Springfield, Mo.	.5
KDKA	980	Pittsburgh, Pa.	50.	KGBZ	930	York, Nebr.	1.
KDLR	1210	Devils Lake, N. Dak.	.1	KGCA	1270	Decorah, Iowa	.1
KDYL	1290	Salt Lake City, Utah	1.	KGCU	1240	Mandan, N. Dakota	.25
KECA	1430	Los Angeles, Calif.	1.	KGDX	1310	Wolf Point, Montana	.1
KEHE	780	Los Angeles, Calif.	.5	KGFE	1200	Fergus Falls, Minn.	.1
KELD	1370	El Dorado, Ark.	.1	KGDM	1100	Stockton, Calif.	1.
KELW	780	Burbank, Calif.	.5	KGDY	1340	Huron, S. Dak.	.25
KERN	1370	Bakersfield, Calif.	.1	KGEG	1200	Sterling, Colo.	.1
KEX	1180	Portland, Ore.	.5	KGER	1360	Long Beach, Calif.	1.
KFAB	770	Lincoln, Nebr.	10.	KGEZ	1310	Kalispe, Mont.	.1
KFAC	1300	Los Angeles, Calif.	1.	KGFF	1420	Shawnee, Okla.	.1
KFBB	1280	Great Falls, Montana	1.	KGFG	1370	Oklahoma City, Okla.	.1
KFBI	1050	Abilene, Kansas	5.	KGFI	1500	Corpus Christi, Texas	1.
KFBC	1490	Sacramento, Calif.	5.	KGFJ	1200	Los Angeles, Calif.	.1
KFDM	560	Beaumont, Texas	.5	KGFK	1500	Moorhead, Minn.	.1
KFDY	780	Brookings, South Dak.	1.	KGFL	1370	Roswell, N. Mex.	.1
KFEL	920	Denver, Colo.	.5	KGFW	1310	Kearney, Nebr.	.1
KFEO	680	St. Joseph, Mo.	2.5	KGFX	630	Pierre, S. Dak.	.2
KFGO	1370	Boone, Iowa	.1	KGGC	1420	San Francisco, Calif.	1.
KFH	1300	Wichita, Kansas	1.	KGGF	1010	Coifeyville, Kansas	1.
KFI	640	Los Angeles, Calif.	50.	KGGM	1230	Albuquerque, N. Mex.	.25
KFIO	1120	Spokane, Wash.	.1	KGHF	1320	Pueblo, Colo.	.5
KFIZ	1420	Fond du Lac, Wis.	.1	KGHI	1200	Little Rock, Ark.	.1
KFJB	1200	Marshalltown, Iowa	.1	KGHL	780	Billings, Mont.	1.
KFJL	1210	Klamath Falls, Ore.	.1	KGIR	1340	Butte, Mont.	1.
KFJM	1370	Grand Forks, N. Dak.	.1	KGIW	1420	Alamosa, Colo.	.1
KFJR	1300	Portland, Ore.	.5	KGKB	1500	Tyler, Texas	.1
KFJZ	1370	Fort Worth, Texas	.5	KGKL	1370	San Angelo, Texas	.1
KFKA	880	Greeley, Colo.	.5	KGKO	1240	Wichita Falls, Texas	1.
KFKU	1220	Lawrence, Kansas	1.	KGKY	1500	Scottsbluff, Nebraska	1.
KFNF	890	Shenandoah, Iowa	.5	KGMB	750	Honolulu, Hawaii	2.5
KFOR	1210	Lincoln, Nebr.	.1	KGMC	1410	Amarillo, Texas	1.
KFOX	1250	Long Beach, Calif.	1.	KGNF	1430	North Platte, Nebr.	1.
KFPL	1310	Dublin, Texas	.1	KGNO	1340	Dodge City, Kansas	.25
KFPW	1210	Ft. Smith, Ark.	.1	KGO	790	San Francisco, Calif.	7.5
KFPY	890	Spokane, Wash.	1.	KGU	750	Honolulu, Hawaii	2.5
KFQD	780	Anchororage, Alaska	.25	KGVO	1260	Missoula, Mont.	1.
KFRG	610	San Francisco, Calif.	1.	KGW	620	Portland, Ore.	1.
KFRP	1370	Longview, Texas	.1	KGY	1210	Olympia, Wash.	.1
KFRU	630	Columbia, Mo.	.5	KHJ	900	Los Angeles, Calif.	1.
KFSD	600	San Diego, Calif.	1.	KHO	590	Spokane, Wash.	1.
KFSG	1120	Los Angeles, Calif.	1.	KHSL	950	Chico, Calif.	.25
KFUH	1210	Del Monte, Calif.	.1	KICA	1370	Clovis, N. Mex.	.1



Lawrence Tibbett
N. B. C.



Annette Hanshaw
C. B. S.



Nick Lucas
C. B. S.



Peg La Centra
N. B. C.

Call	Kc.	Location	Kw.	Call	Kc.	Location	Kw.
KID	1320	Idaho Falls, Idaho	.25	KRGV	1260	Weslaco, Texas	.5
KIDO	1350	Boise, Idaho	1.	KRKO	1120	Los Angeles, Calif.	1.
KIDW	1420	Lamar, Colo.	.1	KRKO	1370	Everett, Wash.	.05
KIEM	1210	Eureka, Calif.	.1	KRLC	1420	Lewiston, Idaho	.1
KIEV	850	Glendale, Calif.	.25	KRLD	1040	Dallas, Texas	10.
KINT	1310	Juneau, Alaska	.1	KRMD	1310	Shreveport, La.	.1
KIT	1310	Yakima, Wash.	.1	KRNT	1320	Des Moines, Iowa	.5
KIUJ	1310	Sante Fe, New Mexico	.1	KROC	1310	Rochester, Minn.	.1
KIUP	1420	Pecos, Texas	.1	KROW	930	Oakland, Calif.	1.
KIUP	1370	Durango, Colo.	.1	KRSC	1120	Seattle, Wash.	.1
KJBS	1070	San Francisco, Calif.	.5	KSAC	580	Manhattan, Kan.	.5
KJF	970	Seattle, Wash.	5.	KSCJ	1330	Sioux City, Iowa	1.
KJCN	1290	Blytheville, Ark.	.1	KSD	550	St. Louis, Mo.	1.
KLO	1400	Ogden, Utah	.5	KSEI	900	Pocatello, Idaho	.25
KLPM	1240	Minot, N. Dakota	.25	KSFO	560	San Francisco, Calif.	1.
KLRA	1440	Little Rock, Ark.	1.	KSL	1130	Salt Lake City, Utah	50.
KLS	1390	Oakland, Calif.	.25	KSLM	1370	Salem, Ore.	.1
KLUF	1370	Galveston, Texas	1.	KSO	1430	Des Moines, Iowa	.25
KLX	880	Oakland, Calif.	1.	KSOO	1110	Sioux Falls, S. Dakota	2.5
KLZ	563	Denver, Colo.	1.	KSTP	1460	St. Paul, Minn.	10.
KMA	930	Shenandoah, Iowa	1.	KSUN	1200	Lowell, Ariz.	.1
KMAC	1370	San Antonio, Texas	1.	KTAR	620	Phoenix, Ariz.	1.
KMBC	950	Kansas City, Mo.	1.	KTAT	1240	Fort Worth, Texas	1.
KMED	1310	Medford, Ore.	.1	KTBS	1450	Shreveport, La.	1.
KMJ	580	Fresno, Calif.	1.	KTFI	1240	West Twin Falls, Idaho	1.
KMLB	1200	Monroe, La.	1.	KTHS	1060	Hot Springs, Ark.	10.
KMMJ	740	Clay Center, Nebr.	1.	KTRE	740	Modesto, Calif.	.25
KMO	1330	Tacoma, Wash.	.25	KTRH	1290	Houston, Texas	1.
KMOX	1090	St. Louis, Mo.	50.	KTSJ	550	San Antonio, Texas	1.
KMPK	710	Beverly Hills, Calif.	.5	KTSM	1310	El Paso, Texas	1.
KMTR	570	Hollywood, Calif.	1.	KTUL	1400	Tulsa, Okla.	.5
KNOW	1500	Austin, Texas	1.	KTUV	1220	Seattle, Wash.	1.
KNX	1050	Hollywood, Calif.	50.	KUWA	1370	Walla Walla, Wash.	.1
KOA	830	Denver, Colo.	50.	KUOA	1420	Yuma, Ariz.	.1
KOAC	550	Corvallis, Ore.	1.	KUVA	1260	Fayetteville, Ark.	1.
KOB	1180	Albuquerque, N. Mex.	10.	KUSD	890	Vermillion, S. D.	.5
KOH	1380	Reno, Nev.	.5	KVI	570	Tacoma, Wash.	1.
KOIL	1260	Council Bluffs, Iowa	1.	KVL	1370	Seattle, Wash.	.5
KOIN	940	Portland, Ore.	1.	KVOA	1260	Tucson, Ariz.	.1
KOL	1270	Seattle, Wash.	1.	KVOD	920	Denver, Colo.	.5
KOMA	1480	Oklahoma City, Okla.	5.	KVOL	1310	Lafayette, La.	.1
KOMO	920	Seattle, Wash.	1.	KVOO	1140	Tulsa, Okla.	25.
KONO	1370	San Antonio, Texas	.1	KVOR	1270	Colorado Spgs., Colo.	1.
KOOS	1200	Marshfield, Ore.	.25	KVOS	1200	Bellingham, Wash.	.1
KORE	1420	Eugene, Ore.	.1	KVSO	1210	Ardmore, Okla.	.1
KOTN	1500	Pine Bluff, Ark.	.1	KWBG	1420	Hutchinson, Kans.	.1
KOY	1390	Phoenix, Ariz.	.1	KWEG	1210	Shreveport, La.	.1
KPAC	1260	Port Arthur, Texas	.5	KWJ	1200	Stockton, Calif.	1.
KPCB	710	Seattle, Wash.	.1	KWJL	1040	Portland, Ore.	.5
KPJM	1500	Prescott, Ariz.	.1	KWK	1350	St. Louis, Mo.	1.
KPLC	1500	Lake Charles, La.	.1	KWKC	1370	Kansas City, Mo.	1.
KPO	680	San Francisco, Calif.	50.	KWKH	850	Shreveport, La.	10.
KPOF	880	Denver, Colo.	.5	KWLC	1270	Decorah, Iowa	.1
KPPP	1210	Pasadena, Calif.	.05	KWLT	1220	Pullman, Wash.	1.
KPO	1500	Wanatchee, Wash.	.1	KWTN	1210	Watertown, S. Dak.	1.
KPRC	920	Houston, Texas	1.	KWYO	560	Springfield, Mo.	5.
KQV	1380	Pittsburgh, Pa.	.5	KWYO	1370	Sheridan, Wyo.	.1
KQW	1010	San Jose, Calif.	1.	KXA	760	Seattle, Wash.	.25
KRE	1370	Berkeley, Calif.	.1	KXL	1420	Portland, Ore.	.1
KREG	1500	Santa Ana, Calif.	.1	KXO	1500	El Centro, Calif.	.1
				KXRO	1310	Aberdeen, Wash.	.1



Crumit & Sanderson
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N. B. C.



Jessica Dragonette
N. B. C.



Emy Deutsch
C. B. S.

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1500 Salina



Dr. Walter Damrosch
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Ruth Etting
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Jesse Block and
Eve Sully
C. B. S.



Phil Baker
N. B. C.

Call	Kc.	Location	Kw.	Call	Kc.	Location	Kw.
KXYZ	1430	Houston, Texas	1.	WCBS	1420	Springfield, Ill.	.1
KYA	1200	San Francisco, Calif.	1.	WCCO	810	Minneapolis, Minn.	50.
KYW	1020	Philadelphia, Pa.	10.	WCFL	970	Chicago, Ill.	1.5
NAA	690	Arlington, Va.	1.	WCHS	580	Charleston, W. Va.	.5
WAAB	1410	Boston, Mass.	.5	WKCY	1490	Covington, Ky.	5.
WAAF	920	Chicago, Ill.	.5	WCLO	1200	Janesville, Wis.	.1
WAAT	940	Jersey City, N. J.	.5	WCLS	1310	Joliet, Ill.	.1
WAAW	660	Omaha, Nebr.	5.	WCMI	1510	Ashland, Ky.	.1
WABC	860	New York, N. Y.	50.	WCNW	1300	Brooklyn, N. Y.	.1
WABI	1203	Bangor, Maine	.1	WCOA	940	Pensacola, Fla.	.5
WABY	1370	Albany, N. Y.	.1	WCOC	880	Meridian, Miss.	.5
WACO	1420	Waco, Texas	.1	WCOL	1210	Columbus, Ohio	.1
WADC	1320	Akron, Ohio	1.	WCRW	1210	Chicago, Ill.	.1
WAGF	1370	Dothan, Ala.	.1	WCSC	1360	Charleston, S. C.	.5
WAGM	1420	Presque Isle, Maine	.1	WCSE	940	Portland, Maine	1.
WAIM	1203	Anderson, S. C.	.1	WDAE	1220	Tampa, Fla.	1.
WAIU	640	Columbus, Ohio	.5	WDAF	610	Kansas City, Mo.	1.
WALA	1380	Mobile, Ala.	.5	WDAH	1310	El Paso, Texas	.1
WALR	1210	Zanesville, Ohio	.1	WDAS	1370	Philadelphia, Penna.	.1
WAML	1310	Laurel, Miss.	.1	WDAY	940	Fargo, N. Dakota	1.
WAPI	1140	Birmingham, Ala.	5.	WDBJ	930	Roanoke, Va.	1.
WARD	1400	Brooklyn, N. Y.	.5	WDBO	580	Orlando, Fla.	1.
WASH	1270	Grand Rapids, Mich.	.5	WDIV	1120	Wilmington, Del.	.25
WATR	1190	Waterbury, Conn.	.1	WDEV	550	Waterbury, Vt.	.5
WAVE	940	Louisville, Ky.	1.	WDGY	1180	Minneapolis, Minn.	1.
WAWZ	1350	Zarephath, N. J.	.5	WDNC	1500	Durham, N. C.	.1
WAZL	1420	Hazleton, Penna.	.1	WDOD	1280	Chattanooga, Tenn.	.1
WBAA	890	West Lafayette, Ind.	1.	WDRC	1330	Hartford, Conn.	1.
WBAL	1063	Baltimore, Md.	10.	WDSU	1250	New Orleans, La.	1.
WBAP	803	Fort Worth, Texas	50.	WDZ	1020	Tuscola, Ill.	.25
WBAX	1210	Wilkes-Barre, Penna.	.1	WEAF	660	New York, N. Y.	50.
WBBC	1403	Brooklyn, N. Y.	.5	WEAN	780	Providence, R. I.	.5
WBBL	1210	Richmond, Va.	.1	WEBC	1290	Superior, Wis.	1.
WBEM	770	Chicago, Ill.	50.	WEBO	1210	Harrisburg, Ill.	.1
WBEB	1303	Brooklyn, N. Y.	1.	WEBR	1310	Buffalo, N. Y.	.1
WBZZ	1203	Ponca City, Okla.	.1	WEDC	1210	Chicago, Ill.	.1
WBDM	1410	Bay City, Mich.	.5	WEED	1420	Rocky Mount, N. C.	1.
WBEN	900	Buffalo, N. Y.	1.	WEEI	590	Boston, Mass.	1.
WBEO	1310	Marquette, Mich.	.1	WEUU	830	Reading, Penna.	1.
WBIG	1440	Greensboro, N. C.	.5	WEHC	1420	Charlottesville, Va.	.1
WBNO	1200	New Orleans, La.	.1	WEHS	1420	Cicero, Ill.	.1
WBNS	1430	Columbus, Ohio	.5	WELL	1420	Battle Creek, Mich.	.1
WBNX	1350	New York, N. Y.	.25	WENR	870	Chicago, Ill.	50.
WBOC	...	(See WABC)		WESG	850	Elmira, N. Y.	1.
WBOW	1310	Terre Haute, Ind.	.1	WEVD	1300	New York, N. Y.	1.
WBRE	1210	Red Bank, N. J.	.1	WEW	760	St. Louis, Mo.	1.
WBRC	930	Birmingham, Ala.	1.	WEXL	1310	Royal Oak, Mich.	.05
WBRE	1310	Wilkes-Barre, Pa.	.1	WFAP	800	Dallas, Texas	50.
WBSE	920	Babson Park, Mass.	.5	WFAB	1300	New York, N. Y.	1.
WBT	1080	Charlotte, N. C.	50.	WFAM	1200	South Bend, Ind.	.1
WBTM	1370	Danville, Va.	.1	WFAS	1210	White Plains, N. Y.	.1
WBZ	990	Boston, Mass.	50.	WFBC	1300	Greenville, S. C.	1.
WBZA	990	Springfield, Mass.	1.	WFBE	1200	Cincinnati, Ohio	.1
WCAC	600	Storrs, Conn.	.5	WFBG	1310	Altoona, Pa.	.1
WCAD	1220	Canton, N. Y.	.5	WFBL	1360	Syracuse, N. Y.	1.
WCAL	1220	Pittsburgh, Pa.	1.	WFBM	1230	Indianapolis, Ind.	.1
WCAL	1250	Northfield, Minn.	1.	WFBR	1270	Baltimore, Md.	.5
WCAM	1280	Camden, N. J.	.5	WFDF	1310	Flint, Mich.	.1
WCAP	600	Baltimore, Md.	.5	WFEE	1340	Manchester, N. H.	.5
WCAT	1280	Asbury Park, N. J.	.5	WFIL	560	Philadelphia, Pa.	1.
WCAT	1200	Rapid City, S. Dak.	.1	WFLA	620	Clearwater, Fla.	1.
WCAU	1170	Philadelphia, Pa.	50.	WFMD	900	Frederick, Md.	.5
WCAX	1200	Burlington, Vt.	.1	WGAL	1500	Lancaster, Pa.	.1
WCBA	1070	Carthage, Ill.	.1	WGAR	1450	Cleveland, Ohio	.5
WCBA	1440	Allentown, Penna.	.5	WGEE	1210	Freeport, N. Y.	.1
WCBD	1080	Waukegan, Ill.	5.	WGBF	630	Evansville, Ind.	.5
WCBM	1370	Baltimore, Md.	.1	WGFI	880	Scranton, Pa.	.5

Call	Kc.	Location	Kw.	Call	Kc.	Location	Kw.
WGCM	1120	Mississippi City, Miss.	.5	WJAY	610	Cleveland, Ohio	.5
WGES	1360	Chicago, Ill.	.5	WJBC	1200	Bloomington, Ill.	.1
WGH	1310	Newport News, Va.	.1	WJBB	1500	Detroit, Mich.	.1
WGL	1370	Ft. Wayne, Ind.	.1	WJBL	1200	Decatur, Ill.	.1
WGN	720	Chicago, Ill.	50.	WJBO	1420	Baton Rouge, La.	.1
WGNV	1210	Chester, N. Y.	.1	WJBW	1200	New Orleans, La.	.1
WGPC	1420	Albany, Ga.	.1	WJBY	1210	Gadsden, Ala.	.1
WGR	550	Buffalo, N. Y.	1.	WJDX	1270	Jackson, Miss.	1.
WGST	890	Atlanta, Ga.	.5	WJEG	1210	Hagerstown, Md.	.1
WGY	790	Schenectady, N. Y.	50.	WJEM	1210	Lansing, Mich.	.1
WHA	940	Madison, Wis.	2.5	WJJD	1130	Chicago, Ill.	20.
WHAM	1150	Rochester, N. Y.	50.	WJMS	1420	Ironwood, Mich.	.1
WHAS	820	Louisville, Ky.	50.	WJR	750	Detroit, Mich.	50.
WHAT	1310	Philadelphia, Pa.	.1	WJSV	1460	Washington, D. C.	10.
WHAZ	1300	Troy, New York	.5	WJTL	1370	Atlanta, Ga.	.1
WHB	860	Kansas City, Mo.	1.	WJW	1210	Akron, Ohio	.1
WHBC	1200	Canton, Ohio	.1	WJZ	760	New York, N. Y.	50.
WHBF	1210	Rock Island, Ill.	.1	WKAA	1240	San Juan, Puerto Rico	1.
WHBI	1250	Newark, N. J.	1.	WKAR	1040	East Lansing, Mich.	1.
WHBL	1410	Sheboygan, Wis.	.5	WKBB	1500	East Dubuque, Ill.	.1
WHBO	1370	Memphis, Tenn.	.1	WKBB	1380	La Crosse, Wis.	1.
WHBU	1210	Anderson, Ind.	.1	WKBI	1420	Cicero, Ill.	.1
WHBY	1200	Green Bay, Wis.	.1	WKBN	570	Youngstown, Ohio	.5
WHDF	1370	Calumet, Mich.	.1	WKBO	1200	Harrisburg, Pa.	.1
WHDH	830	Boston, Mass.	1.	WKBV	1500	Richmond, Ind.	.1
WHDL	1420	Olean, N. Y.	.1	WKBW	1480	Buffalo, N. Y.	5.
WHEE	740	Portsmouth, N. H.	.25	WKCB	1500	Muskegon, Mich.	.1
WHEC	1430	Rochester, N. Y.	.5	WKCU	1500	Griffin, Ga.	.1
WHEF	1500	Kosciusko, Miss.	.1	WKJC	1200	Lancaster, Pa.	.1
WHFC	1420	Cicero, Ill.	.1	WKOK	1210	Sunbury, Pa.	.1
WHIO	1260	Dayton, Ohio	1.	WKRC	550	Cincinnati, Ohio	.1
WHIS	1410	Bluefield, W. Va.	.25	WKY	900	Oklahoma City, Okla.	1.
WHJB	620	Greensburgh, Pa.	.25	WKZO	590	Kalamazoo, Mich.	1.
WHK	1390	Cleveland, Ohio	1.	WLAC	1470	Nashville, Tenn.	5.
WHN	1010	New York, N. Y.	1.	WLAP	1420	Lexington, Ky.	.1
WHO	1000	Des Moines, Iowa	50.	WLB	1250	Minneapolis, Minn.	1.
WHOM	1450	Jersey City, N. J.	.25	WLBC	1310	Muncie, Ind.	.05
WHP	1430	Harrisburg, Pa.	1.	WLBF	1420	Kansas City, Kans.	.1
WIBA	1280	Madison, Wis.	1.	WLBL	900	Stevens Point, Wis.	2.5
WIBG	970	Glenside, Pa.	.1	WLBE	620	Bangor, Maine	.5
WIBM	1370	Jackson, Mich.	.1	WLEU	1420	Erie, Pa.	.1
WIBU	1210	Poynette, Wis.	.1	WLLH	1370	Lowell, Mass.	.1
WIBW	580	Topeka, Kansas	1.	WLNH	1310	Laconia, N. H.	.1
WIBX	1200	Utica, N. Y.	1.	WLS	870	Chicago, Ill.	50.
WICC	600	Bridgeport, Conn.	.5	WLTH	1400	Brooklyn, N. Y.	.5
WIL	1200	St. Louis, Mo.	1.	WLVA	1200	Lynchburg, Va.	.1
WILL	890	Urbandale, Ill.	1.	WLW	700	Cincinnati, Ohio	50.
WILM	1420	Wilmington, Del.	1.	WLWL	1100	New York, N. Y.	5.
WIND	560	Gary, Ind.	1.	WMAL	630	Washington, D. C.	.25
WINS	1180	New York, N. Y.	1.	WMAQ	670	Chicago, Ill.	50.
WIOD	1300	Miami, Fla.	1.	WMAZ	1420	Springfield, Mass.	.1
WIP	610	Philadelphia, Pa.	.5	WMAC	1180	Macon, Ga.	1.
WIRE	1400	Indianapolis, Ind.	.5	WMBC	1420	Detroit, Mich.	.1
WIS	1010	Columbia, S. C.	.5	WMBD	1440	Peoria, Ill.	.5
WISC	1310	Milwaukee, Wis.	.1	WMBG	1210	Richmond, Va.	.1
WISN	1120	Milwaukee, Wis.	.25	WMBH	1420	Joplin, Mo.	.1
WJAC	1310	Johnstown, Pa.	.1	WMBI	1080	Chicago, Ill.	5.
WJAR	1060	Norfolk, Nebr.	1.	WMBO	1310	Auburn, N. Y.	.1
WJAR	890	Providence, R. I.	.5	WMBO	1500	Brooklyn, N. Y.	.1
WJAS	1290	Pittsburgh, Pa.	1.	WMBR	1370	Jacksonville, Fla.	.1
WJAX	900	Jacksonville, Fla.	1.	WMC	780	Memphis, Tenn.	1.



Vaughn de Leath
N. B. C.



Robert Simmons
N. B. C.



Gladys Swarthout
N. B. C.



Donald Novis
C. B. S.

TUNG-SOL TUBES ARE PRECISION-BUILT, LABORATORY-TESTED



Dick Powell
C. B. S.



Patti Chapin
C. B. S.



Rudy Vallee
N. B. C.



Jack Benny
N. B. C.

Call	Kc.	Location	Kw.	Call	Kc.	Location	Kw.
WMCA	570	New York, N. Y.	.5	WRDO	1370	Augusta, Maine	.1
WMEX	1500	Boston, Mass.	.1	WRDW	1500	Augusta, Ga.	.1
WMFD	1370	Wilmington, N. C.	.1	WRWC	600	Memphis, Tenn.	1.
WMFH	1310	Plattsburgh, N. Y.	.1	WRWN	1220	Lawrence, Kansas	1.
WMFG	1210	Hibbing, Minn.	.1	WRGA	1500	Rome, Ga.	.1
WMFH	1230	Boston, Mass.	1.	WRJN	1370	Racine, Wis.	.1
WMFI	900	New Haven, Conn.	.5	WRKQ	1410	Rockford, Ill.	.5
WMFJ	1420	Daytona Beach, Fla.	.1	WRLO	1310	Knoxville, Tenn.	.1
WMFN	1210	Clarksdale, Miss.	.1	WRRR	1280	Dallas, Texas	.5
WMFO	1370	Decatur, Ala.	.1	WRUF	830	Gainesville, Fla.	5.
WMFR	1200	High Point, N. C.	.1	WRVA	1110	Richmond, Va.	5.
WMMN	890	Fairmont, W. Va.	.5	WSAI	1330	Cincinnati, Ohio	1.
WMPC	1200	Lapeer, Mich.	.1	WSAJ	1310	Grove City, Pa.	.1
WMT	600	Cedar Rapids, Iowa	1.	WSAN	1440	Allentown, Pa.	.5
WNAC	1230	Boston, Mass.	1.	WSAR	1500	Fall River, Mass.	.25
WNAD	1010	Norman, Okla.	1.	WSAZ	1190	Huntington, W. Va.	1.
WNAX	570	Yankton, S. Dak.	1.	WSB	740	Atlanta, Ga.	50.
WNBC	1380	New Britain, Conn.	.25	WSBC	1210	Chicago, Ill.	.1
WNBF	1500	Binghamton, N. Y.	.1	WSBT	1360	South Bend, Ind.	.5
WNBH	1310	New Bedford, Mass.	.1	WSFA	1410	Montgomery, Ala.	.5
WNBR	1430	Memphis, Tenn.	.5	WSGN	1310	Birmingham, Ala.	.1
WNEX	1260	Springfield, Vt.	1.	WSIX	1210	Springfield, Tenn.	.1
WNBZ	1290	Saranac Lake, N. Y.	.1	WSJS	1310	Winston-Salem, N. C.	.1
WNEL	1290	San Juan, Puerto Rico	.5	WSM	650	Nashville, Tenn.	50.
WNBW	1250	Newark, N. J.	1.	WSMB	1320	New Orleans, La.	.1
WNOX	560	Knoxville, Tenn.	1.	WSMK	1380	Dayton, Ohio	.2
WNRA	1420	Muscle Shoals, Ala.	.1	WSOC	1210	Charlotte, N. C.	.1
WNRI	1200	Newport, R. I.	.1	WSPA	920	Spartanburg, S. C.	1.
WNYC	810	New York, N. Y.	1.	WSPD	1340	Toledo, Ohio	1.
WOAI	1190	San Antonio, Tex.	50.	WSUI	880	Iowa City, Iowa	.5
WOC	1370	Davenport, Iowa	.1	WSUN	620	St. Petersburg, Fla.	1.
WOCL	1210	Jamestown, N. Y.	.05	WSVA	550	Harrisonburg, Va.	.5
WOI	640	Ames, Iowa	5.	WSVS	1370	Buffalo, N. Y.	.05
WOKO	1430	Albany, N. Y.	.5	WSYB	1500	Rutland, Vt.	.1
WOL	1310	Washington, D. C.	.1	WSYR	570	Syracuse, N. Y.	.25
WOMT	1210	Manitowoc, Wis.	.1	WTAD	900	Quincy, Ill.	.5
WOOD	1270	Grand Rapids, Mich.	.5	WTAG	580	Worcester, Mass.	.5
WOPI	1500	Bristol, Tenn.	.1	WTAL	1310	Tallahassee, Fla.	.1
WOR	710	Newark, N. J.	50.	WTAM	1070	Cleveland, Ohio	50.
WORC	1280	Worcester, Mass.	.5	WTAQ	1330	Eau Claire, Wis.	1.
WORK	1320	York, Pa.	1.	WTAR	780	Norfolk, Va.	.5
WOS	630	Jefferson City, Mo.	.5	WTAW	1120	College Station, Texas	.5
WOSU	570	Columbus, Ohio	.75	WTAX	1210	Springfield, Ill.	.1
WOV	1130	New York, N. Y.	1.	WTBO	800	Cumberland, Md.	.25
WOW	590	Omaha, Nebr.	1.	WTCT	1250	Minneapolis, Minn.	1.
WOWO	1160	Ft. Wayne, Ind.	10.	WTCL	1310	Philadelphia, Pa.	.1
WPAD	1420	Paducah, Ky.	.1	WTFI	1450	Athens, Ga.	.5
WPAR	1420	Parkersburg, W. Va.	.1	WTIC	1040	Hartford, Conn.	50.
WPAX	1210	Thomasville, Ga.	.25	WTJG	1310	Jackson, Tenn.	.1
WPAY	1370	Portsmouth, Ohio	.1	WTMJ	620	Milwaukee, Wis.	1.
WPEN	920	Philadelphia, Pa.	.25	WTNJ	500	East St. Louis, Ill.	.5
WPFB	1370	Hattiesburg, Miss.	.1	WTNT	1280	Trenton, N. J.	.5
WPG	1100	Atlantic City, N. J.	5.	WTQC	1260	Savannah, Ga.	1.
WPHR	880	Petersburg, Va.	.5	WTRC	1310	Elkhart, Ind.	.05
WPRO	630	Providence, R. I.	.25	WVFW	1400	Brookly, N. Y.	.5
WPRP	1420	Ponce, P. R.	.1	WVAE	1200	Hammond, Ind.	.1
WPTF	680	Raleigh, N. C.	1.	WWC	1420	Spartanburg, S. C.	1.
WOAM	560	Miami, Fla.	1.	WWJ	920	Detroit, Mich.	1.
WOAN	880	Scranton, Pa.	.25	WWL	850	New Orleans, La.	10.
WOBC	1360	Vicksburg, Miss.	1.	WWNC	570	Asheville, N. C.	1.
WODM	1370	St. Albans, Vt.	.1	WWRL	1500	Woodside, N. Y.	.1
WRAK	1370	Williamsport, Pa.	.1	WWSW	1500	Pittsburgh, Pa.	.1
WRAW	1310	Reading, Pa.	.1	WWWV	1160	Wheeling, W. Va.	5.
WRAX	920	Philadelphia, Pa.	.25	WXYZ	1240	Detroit, Mich.	1.
WRBL	1200	Columbus, Ga.	.1				
WRBX	1410	Roanoke, Va.	.25				
WRC	950	Washington, D. C.	.5				

★ A GOOD PROGRAM
DESERVES GOOD TUBES ★

UNITED STATES BROADCASTING STATIONS

BY FREQUENCY, WAVELENGTH AND CALL LETTERS

550 kc., 545.1 m.	780 kc., 384.4 m.
KFUO, KFYR, KOAC, KSD, WDEV, WGR, WKRC.	KELW, KFDY, KFQD, KTM, WEAN, WMC, WTAR.
560 kc., 535.4 m.	790 kc., 379.5 m.
KFDM, KLZ, KTAB, KWTO, WIND, WFIL, WNOX, WQAM.	KGO, WGY.
570 kc., 526.0 m.	800 kc., 374.8 m.
KGKO, KMTR, KVI, WKBN, WMCA, WNAX, WOSU, WSYR, WSYU, WWNC, WTAG.	WBAP, WFAA, WTBO.
580 kc., 516.9 m.	810 kc., 370.1 m.
KMI, KSAC, WCHS, WDBO, WIBW, WTAG.	WCCO, WNYC.
590 kc., 508.2 m.	820 kc., 365.6 m.
KHQ, WEEI, WKZO, WOW.	WHAS.
600 kc., 499.7 m.	830 kc., 361.2 m.
KFSD, WCAC, WCAO, WICC, WMT, WREC.	KOA, WEEU, WHDH, WRUF.
610 kc., 491.5 m.	840 kc., 356.9 m.
KFRC, WDAF, WIP, WJAY.	(Reserved for Canadian Stations)
620 kc., 483.6 m.	850 kc., 352.7 m.
KGW, KTAR, WFLA, WSUN, WHJB, WLBZ, WTMJ.	KIEV, KWKH, WWL.
630 kc., 475.9 m.	860 kc., 348.6 m.
KFRU, KGFX, WGBF, WMAL, WOS.	WABC, WBOQ, WHB.
640 kc., 468.5 m.	870 kc., 344.6 m.
KFI, WAIU, WOI.	WENR, WLS.
650 kc., 461.3 m.	880 kc., 340.7 m.
KPCB, WSM.	KFKA, KLX, KPOF, WCOC, WGBI, WOAN, WSUI.
660 kc., 454.3 m.	890 kc., 336.9 m.
WAAW, WEAJ.	KSRK, KFNF, KSEI, KUSD, WBAA, WGST, WILL, WJAR, WMMN.
670 kc., 447.5 m.	900 kc., 333.1 m.
WMAQ.	KGBU, KHI, WBNB, WJAX, WKY, WLBL.
680 kc., 440.9 m.	910 kc., 329.5 m.
KFEQ, KPO, WPTF.	(Reserved for Canadian Stations)
690 kc., 434.5 m.	920 kc., 325.9 m.
(Reserved for Canadian Stations)	KFEL, KOMO, KPRC, KVOD, WAAF, WBSO, WWJ.
700 kc., 428.3 m.	930 kc., 322.4 m.
WLW.	KGBZ, KMA, KROW, WBRC, WDBJ.
710 kc., 422.3 m.	940 kc., 319.0 m.
KMPC, WOR.	KOIN, WAAT, WAVE, WCSH, WDAY, WHA.
720 kc., 416.4 m.	950 kc., 315.6 m.
WGN.	KFWB, KGHL, KMBC, WRC.
730 kc., 410.7 m.	960 kc., 312.3 m.
(Reserved for Canadian Stations)	(Reserved for Canadian Stations)
740 kc., 405.2 m.	970 kc., 309.1 m.
KMMJ, KTRB, WHEB, WSB.	KJR, WCFL, WIBG.
750 kc., 399.8 m.	980 kc., 305.9 m.
KGU, WR.	KDKA.
760 kc., 394.5 m.	990 kc., 302.8 m.
KXA, WEW, WJZ.	WBZ, WBZA, WJEM.
770 kc., 389.4 m.	1000 kc., 299.8 m.
KFAB, WBBM.	KFVD, WHO, WOC, WORK.



Phil Harris
N. B. C.



Lou Holtz
N. B. C.



Arturo Toscanini
C. B. S.



Walter O'Keefe
C. B. S.



Lanny Ross
N. B. C.



Benay Venuta
C. B. S.



Jane Froman
N. B. C.



Andre Kostelanetz
C. B. S.

1010 kc., 296.9 m.
KGGF, KQW, WHN, WIS, WNAD.

1020 kc., 293.9 m.
KYW, WRAX.

1030 kc., 291.1 m.
(Reserved for Canadian Stations)

1040 kc., 288.3 m.
KRLD, KTHS, WESG, WKAR.

1050 kc., 285.5 m.
KFBI, KNX.

1060 kc., 282.8 m.
KWJL, WBAL, WIAG, WTIC.

1070 kc., 280.2 m.
KJBS, WCAZ, WZD, WTAM.

1080 kc., 277.6 m.
WBT, WCBF, WMBL.

1090 kc., 275.1 m.
KMOX.

1100 kc., 272.6 m.
KGDH, WLWL, WPG.

1110 kc., 270.1 m.
KSOO, WRVA.

1120 kc., 267.7 m.
KFIO, KFSG, KRKD, KRSC, WDEL,
WISN, WTAW.

1130 kc., 265.3 m.
KSL, WJLD, WOV.

1140 kc., 263.0 m.
KVOO, WAPI.

1150 kc., 260.7 m.
WHAM.

1160 kc., 258.5 m.
WOWO, WVVV.

1170 kc., 256.3 m.
WCAU.

1180 kc., 254.1 m.
KEX, KOB, WDG, WINS, WMAZ.

1190 kc., 252.0 m.
WATR, WOAI, WSAZ.

1200 kc., 249.9 m.
KADA, KBIM, KFJB, KFXD, KFXJ, KGDE,
KKEK, KGFI, KGH, KGVO, KMLB,
KOOS, KSUN, KVOS, KWG, WABI,
WBBZ, WBHS, WBNO, WCAT, WCAZ,
WCLO, WFAM, WFBE, WHBC, WHBY,
WIBX, WIL, WJBC, WJBL, WJBW,
WKBO, WKJC, WLVA, WMPG, WNBO,
WORC, WPHR, WRBL, WSIX, WWAE.

1210 kc., 247.8 m.
KASA, KDLR, KFII, KFOR, KFPW, KFVS,
KFXM, KGY, KIEM, KPPC, KWEA, KWVF,
KWTV, WALK, WBAX, WBLB, WBRB,
WCBZ, WCRW, WEBQ, WEDC, WFAZ,
WGBB, WGGM, WGNV, WHBF, WHBU,
WIBU, WIBY, WJEL, WJIM, WJW, WKFI,
WKOK, WMBG, WOCL, WOMT, WPRO,
WQXD, WSBC, WSEN, WSOC, WTAX.

1220 kc., 245.8 m.
KFKU, KTW, KWSC, WCAD, WCAE,
WDAE, WREN.

1230 kc., 243.8 m.
KGBX, KGGM, KYA, WFBM, WNAC.

1240 kc., 241.8 m.
KGCJ, KLPM, KTAT, KTFI, WKAQ,
WXYZ.

1250 kc., 239.8 m.
KFOX, WCAL, WDSU, WGCP, WHBI,
WNEW, WTCN.

1260 kc., 238.0 m.
KOIL, KPAC, KRGV, KUOA, WLBW,
WNBX, WTOG.

1270 kc., 236.1 m.
KGCA, KOL, KVOR, KWLC, WASH,
WFBZ, WJDX, WOOD.

1280 kc., 234.2 m.
KFBB, WCAM, WCAP, WDOD,
WIBA, WRR, WTNI.

1290 kc., 232.4 m.
KDYL, KLON, KTTA, WEBC, WJAS,
WNBZ, WNEL.

1300 kc., 230.6 m.
KALE, KPAC, KFH, KFJR, WBBR, WEVD,
WFAB, WFBC, WHAZ, WIOD, WMAF.

1310 kc., 228.9 m.
KCRJ, KFBK, KPFL, KPMP, KFXR, KFYO,
KGBX, KGXC, KGEZ, KGFV, KIT, KMED,
KRMD, KTSM, KXRO, WAML, WBEQ,
WBOW, WBRE, WCLS, WDAH, WEBR,
WEXL, WFBG, WFDL, WGH, WJAC,
WLBC, WLNH, WOL, WRAW, WROL,
WSAJ, WSGN, WSIS, WTEL, WITS,
WTRC.

1320 kc., 227.1 m.
KGHF, KGMB, KID, KSO, WADC, WSMB.

1330 kc., 225.4 m.
KGB, KMO, KSCI, KTRH, WDRC,
WSAI, WTAQ.

1340 kc., 233.7 m.
KFPY, KGDY, KGNO, WCOA, WFEA,
WSPD.

1350 kc., 222.1 m.
KIDO, KWK, WAWZ, WBNX, WEHC.

1360 kc., 220.4 m.
KGER, KGIK, WCSC, WFBL, WGES,
WQBC, WSBT.

1370 kc., 218.8 m.
KCRK, KERN, KFGO, KFIM, KFIZ, KGAR,
KGFL, KGFL, KGKL, KICA, KLUF,
KMAC, KONO, KRE, KRKO, KSLM, KUJ,
KWKC, KWYO, WAGE, WBTM, WCBM,
WDAS, WGL, WGLC, WHBD, WHBO,
WHDF, WIBM, WJTL, WLIH, WMBR,
WPFZ, WQDM, WRAX, WRDO, WRIN,
WSVS.

1380 kc., 217.3 m.
KOH, KQV, WALA, WKBH, WSMK.

1390 kc., 215.7 m.
KLRA, KOY, WHK.

1400 kc., 214.2 m.
KLO, KTUL, WARD, WBBC, WKBF,
WLTH, WVFW.

1410 kc., 212.6 m.
KGRS, WAAB, WBCM, WDAG, WHBL,
WHIS, WRBX, WROK, WSFA.

1420 kc., 211.1 m.
KABC, KBPS, KCMC, KFIZ, KGFF,
KGGC, KGIW, KGIX, KICK, KIDW,
KORE, KUMA, KWCR, KXL, WACO,
WAGM, WAMC, WAZL, WEED, WEHS,
WELL, WGPC, WHDL, WHFC, WILM,
WIBO, WJMS, WKBI, WLAP, WLBF,
WLEU, WMAS, WMBC, WMBH, WNRA,
WPAD, WSPA.

1430 kc., 209.7 m.
KECA, KGNF, WBNS, WHEC, WHP,
WNBZ, WOKO.

1440 kc., 208.2 m.
KDFN, KLS, KXYZ, WBIG, WCBA,
WMBD, WSN, WTAD.

1450 kc., 206.9 m.
KTBS, WGAR, WHOM, WSAR, WTFI.

1460 kc., 205.4 m.
KSTP, WISV.

1470 kc., 204.0 m.
KGA, WLAC.

1480 kc., 202.6 m.
KOMA, WKBW.

1490 kc., 201.2 m.
WCKY.

1500 kc., 199.9 m.
KDB, KGFI, KGFK, KGKB, KGKY, KNOW,
KOTN, KPJM, KPQ, KREG, KXO, WCNW,
WDNC, WGAL, WHEF, WJBC, WKBB,
WKBV, WKBZ, WKUE, WMBQ, WMEK,
WNEF, WOPI, WPNP, WRDW, WRGA,
WSYB, WWRL, WWSW.



Harriet Hilliard
N. B. C.



Lowell Thomas
N. B. C.



Bill & Ginger
C. B. S.



George Burns and
Gracie Allen
C. B. S.

TELEVISION STATIONS IN THE UNITED STATES

Television sets are not available for the general public, but the television broadcasting stations listed below send out experimental programs.

Call Letters	Power Watts	Company 2000-2100 Kc.	Location
W2XDR	1000	Radio Pictures, Inc.	Long Island City, N. Y.
W8XAN	100	Sparks-Withington Co.	Jackson, Mich.
W9XK	50	University of Iowa	Iowa City, Iowa
W9XAK	125	Kansas St. Col. Agr. & Apl. Sc.	Manhattan, Kansas
W9XAO	500	Western Television Research Co.	Chicago, Ill.
W6XAH	1000	Pioneer Mercantile Co.	Bakersfield, Calif.
2750-2850 Kc.			
W3XAK	5000	National Broadcasting Co.	Portable Chicago, Ill.
W9XAP	2500	National Broadcasting Co.	Bellmore, N. Y.
W2XBS	5000	National Broadcasting Co.	Kansas City, Mo.
W9XAL	500	First National Television Corp.	W. Lafayette, Ind.
W9XG	1500	Purdue University	New York, N. Y.
W2XAB	500	Atlantic Broadcasting Corp.	
42,000-56,000, 60,000-86,000 Kc.			
W2XAX	50	Atlantic Broadcasting Corp.	New York, N. Y.
W6XAO	150	Don Lee Broadcasting System	Los Angeles, Calif.
W9XD	500	The Journal Company	Milwaukee, Wis.
W2XBT	750	National Broadcasting Co.	Portable
W2XF	5000	National Broadcasting Co.	New York, N. Y.
W3XE	1500	Philadelphia Storage Battery Co.	Philadelphia, Pa.
W3XAD	2000	RCA-Victor Co., Inc.	Camden, N. J.
W10XX	50	RCA-Victor Co., Inc. (Vic. of Camden)	Portable & Mobile
W2XDR	100	Radio Pictures	Long Island City, N. Y.
W8XAN	1000	Sparks-Withington Co.	Jackson, Mich.
W9XAT	500	Dr. Geo. W. Young	Portable
W2XD	500	R. D. Lemert	New York, N. Y.
W2XAG	100	R. D. Lemert	Portable
W1XG	500	General Television Corp.	Boston, Mass.
W9XAL	150	First National Television Corp.	Kansas City, Mo. (CP)

THE TUNG-SOL SERVICE MAN IS NO FURTHER AWAY THAN YOUR TELEPHONE

AMERICAN BROADCAST STATION LIST—NORTH, CENTRAL AND SOUTH AMERICA (Exclusive of the United States)

ALPHABETICALLY BY CALL LETTERS

NORTH AMERICA

CANADA

Call	Kc.	Location	Kw.
CKMB	1210	Prince Albert, Sask.	0.1
CKMK	1210	Cobalt, Ont.	0.1
CKCH	1210	Hull, Que.	0.1
CHNC	1210	New Carlisle, Que.	0.1
CJOC	1230	Lethbridge, Alta.	0.1
CJCB	1240	Sydney, N. S.	1.0
CFRN	1260	Edmonton, Alta.	0.1
CJKL	1310	Kirkland Lake, Ont.	0.1
CKCV	1310	Quebec, Que.	0.05
CJLS	1310	Yarmouth, N. S.	0.1
CHCK	1310	Charlottetown, P. E. I.	0.05
CKCW	1370	Moncton, N. B.	0.1
CJRC	1390	Middlechurch, Man.	0.1
CKFC	1410	Vancouver, B. C.	0.05
CKMO	1410	Vancouver, B. C.	0.1
CKGB	1420	Timmins, Ont.	0.1
CKNC	1420	Toronto, Ont.	0.1
CFCT	1450	Victoria, B. C.	0.05
CHGS	1450	Summerside, P.E.I.	0.05
CKCR	1450	Waterloo, Ont.	0.1
CFRC	1510	Kingston, Ont.	0.1
KEAO	560	Mexicali, B. C.	0.25
KEPN	590	Piedras Negras, Coah.	50.0
KFX	610	Mexico, D. F.	0.5
KEZ	630	Merida, Yuc.	0.5
KEOX	640	Saltillo, Coah.	0.25
KEAL	660	Mexico, D. F. (temp. suspended)	1.0
KET	690	Monterrey, N. L.	0.5
XEN	710	Mexico, D. F.	1.0
XEAM	730	Nuevo Laredo, Tams.	0.0075
XELC	740	Col. del Valle, D.F.	0.1
XEBC	760	Aguascalientes, B.C.	5.0
KEYZ	780	Mexico, D. F.	10.0
XFC	810	Aguascalientes, Ags.	0.35
XEP	820	Mexico, D. F.	0.5
XEMO	860	Tijuana, B. C.	2.0
XEW	890	Mexico, D. F.	50.0
XENT	910	Nuevo Laredo, Tams.	150.0
XEFE	920	Nuevo Laredo, Tams.	0.25
XEAA	920	Mexicali, B. C. (temp. suspended)	0.2
XEFO	940	Mexico, D. F.	5.0
XFO	940	Mexico, D. F.	5.0
XEAW	960	Reynosa, Tams.	10.0
XEAE	980	Tijuana, B. C. (temp. suspended)	0.25

MEXICO

Call	Kc.	Location	Kw.
KEK	990	Mexico, D. F.	0.1
XES	990	Tampico, Tams.	0.25
KEOK	1000	Tijuana, B. C. (temp. suspended)	2.5
KEJ	1020	Ciudad Juarez, Chih.	1.0
KEB	1030	Mexico, D. F.	10.0
KEA	1060	Guadalajara, Jal.	0.125
KEAF	1080	Nogales, Son.	.25
KEAMA	1080	Tampico, Tams.	0.05
KEFG	1100	Mexico, D. F.	0.25
KEWZ	1150	Mexico, D. F.	0.1
KEH	1150	Monterrey, N. L.	0.25
KED	1160	Guadalajara, Jal.	0.5
KEU	1160	Veracruz, Ver.	0.25
XEE	1210	Durango, Dgo.	0.05
KEFV	1210	Ciudad Juarez, Chih.	0.1
XEMZ	1210	Tijuana, B. C.	0.03
XETH	1210	Puebla, Pue.	0.1
XETF	1220	Veracruz, Ver.	0.012
KEFJ	1230	Monterrey, N. L.	0.1
XELA	1240	Saltillo, Coah.	0.05
KEKL	1240	Leon, Gto.	0.5
KEAI	1240	Mexico, D. F.	0.1
KEG	1270	Ensenada, B. C.	0.2
XFB	1270	Jalapa, Ver.	0.25
XEMX	1280	Mexico City, D. F.	0.012
XEC	1310	Tijuana, B. C.	0.03
XEK	1310	Monterrey, N. L.	0.125
KEAJ	1310	Oaxaca, Oax.	0.015
XECW	1310	Mexico, D. F.	0.01
KEFC	1310	Merida, Yuc.	0.1
XEFW	1310	Tampico, Tams.	0.25
XETB	1310	Torreón, Coah.	0.125
XFA	1310	Aguascalientes, Ags.	0.005
XFD	1340	Jalapa, Ver.	0.35
XEI	1370	Morelia, Mich.	0.125
XEFZ	1370	Mexico, D. F.	0.1
XZZ	1370	San Luis Potosi, S. L. P.	0.1
KEAZ	1420	Guajuato, Gto.	0.007
KEFB	1420	Monterrey, N. L.	0.1
KEFI	1440	Chihuahua, Chih.	0.25
KEFA	...	Tacuba, D. F.	0.5
XETW	...	Mexico, D. F. (temp. suspended)	0.5
FON	574	St. Pierre	0.25
VOWR	700	St. Johns	0.5
VOGT	890	Bell Island	0.1
VOAS	940	St. Johns	0.1
VONA	950	St. Johns	0.025
VOGY	1050	St. Johns	0.075
VOKW	1085	St. Johns	0.03
VONF	1195	St. Johns	5.0

MIQUELON

NEWFOUNDLAND

Call	Kc.	Location	Kw.
VOAC	1300	St. Johns	0.04
VOX	1300	St. Johns	0.1
CUBA			
CMCO	610	Havana	0.15
CMGC	630	Matanzas	0.1
CMBY	635	Havana	0.25
CMAF	680	Havana	0.25
CMK	725	Havana	1.5
CMCW	755	Havana	0.15
CMBS	775	Havana	0.13
CMJK	790	Camaguey	0.15
CMCF	815	Havana	0.25
CMQ	840	Havana	0.5
CMHW	865	Cienfuegos	0.1
CMCX	865	Havana	0.15
CMKD	882	Santiago	0.25
CMX	910	Havana	0.65
CMJF	920	Camaguey	0.2
CMW	930	Havana	1.0
CMKM	940	Manzanillo	0.05
CMHD	950	Caibarien	0.25
CMCD	960	Havana	0.25
CMJL	960	Camaguey	0.05
CMGF	987	Matanzas	0.1
CMBZ	1005	Havana	0.12
CMJO	1010	C. de Avila	0.15
CMKC	1034	Santiago	0.15
CMBC	1035	Havana	0.185
CNHI	1037	Sta. Clara	0.15
CMGH	1040	Matanzas	0.015
CMJG	1050	Camaguey	0.052
CMCB	1060	Havana	0.11
CMGI	1094	Colon	0.03
CMCY	1100	Havana	0.25
CMHA	1100	S. la Grande	0.052
CMHJ	1125	Cienfuegos	0.1
CMBG	1150	Havana	0.22
CMJH	1150	C. de Avila	0.055
COA	1175	Havana	0.07
CMJE	1175	Camaguey	0.05
CMCJ	1200	Havana	0.5
CMJI	1210	C. de Avila	0.045
CMHK	1225	Crucos	0.25
CMCA	1230	Havana	0.15
CMHB	1245	S. Spiritus	0.03
CMCU	1255	Havana	0.15
CMCO	1280	Havana	0.15
COX	1325	Havana	0.25
CMBD	1350	Havana	0.2
CMJP	1360	Moron	0.75
CMJF	1363	Helguin	0.03
CMGE	1375	Cardenas	0.03
CMJC	1382	Camaguey	0.15
CMKR	1400	Santiago	0.03
CMCR	1400	Havana	0.15
CMBX	1425	Havana	0.15
COK	1450	Havana	0.184
CMCG	1475	Havana	0.15
CMCN	1500	Marianao	0.25

A RADIO IS NO BETTER THAN ITS TUBES. RETUBE WITH **TUNG-SOL**



Ben Bernie
N. B. C.



Boake Carter
C. B. S.



David Ross
C. B. S.



Maj. Edward Bowes
N. B. C.



Joe Penner
N. B. C.



Conrad Thibault
N. B. C.



Ted Husing
C. B. S.



Freddie Rich
C. B. S.



Eddie Cantor
C. B. S.



Ramona
N. B. C.



Ray Perkins
C. B. S.



Voice of Experience
C. B. S.

DOMINICAN REPUBLIC

Call	Kc.	Location	Kw.
HIX	580	Santo Domingo	1.0
HIT	1051	Santo Domingo	0.01
HIL	1111	Santo Domingo	0.02
HIJ	1190	Santo Domingo	0.01
HI5E	1304	Santo Domingo	0.01
HIH	1391	San Pedro de Macoris	0.015

HAITI

HHK	920	Port-au-Prince	1.0
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CENTRAL AMERICA

COSTA RICA

TIEP	850	San Jose	0.5
TIRH	930	San Jose	0.05
TIGH	1000	San Jose	0.5
TIFA	1050	San Jose	0.075
TIRC	1100	San Jose	0.075

GUATEMALA

TGW	565	Guatemala City	10.0
TGX	1400	Guatemala City	0.1

HONDURAS

HRN	1270	Tegucigalpa	0.0075
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NICARAGUA

YNLF	850	Managua	0.5
YNGRG	937.5	Granada	0.075
YNIGG	1000	Managua	0.25
YNVA	1070	Managua	0.25
YNOP	1250	Managua	0.25

EL SALVADOR

RDN	680	San Salvador	0.5
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SOUTH AMERICA

ARGENTINA

LS10	590	Buenos Aires	5.0
LV1	620	San Juan	1.5
LS3	630	Buenos Aires	4.5
LS4	670	Buenos Aires	6.0
LS1	710	Buenos Aires	5.0
LT4	760	Mendoza	0.2
LT1	780	Rosario	5.0
LR10	790	Buenos Aires	8.0
LU2	800	Bahia Blanca	0.5
LV7	820	Tucuma	0.5
LR5	830	Buenos Aires	16.0
LT8	840	Rosario	0.35
LV10	860	Mendoza	0.5
LR6	870	Buenos Aires	16.0
LV2	880	Cordoba	7.0
LR4	890	Buenos Aires	12.0
LV9	900	Salta	0.5
LR2	910	Buenos Aires	6.0
LR3	950	Buenos Aires	12.0
LR9	1030	Buenos Aires	5.0

Call	Kc.	Location	Kw.
LT9	1060	Santa Fe	0.2
LT3	1080	Rosario	3.5
LSS	1110	Buenos Aires	4.5
LV5	1120	San Juan	0.7
LR8	1150	Buenos Aires	5.0
LT5	1160	Resistencia	0.5
LS2	1190	Buenos Aires	25.0
LS8	1230	Buenos Aires	20.0
LV14	1240	La Rioja	0.2
LS9	1270	Buenos Aires	5.0
LU7	1280	Bahia Blanca	0.2
LT1	1300	Santa Fe	0.1
LS6	1350	Buenos Aires	3.5
LU6	1380	Mar del Plata	0.5
LR11	1390	La Plata	0.7
LS11	1430	La Plata	0.7

BOLIVIA

CP4	1040	La Paz	10.0
CPX	1300	La Paz	0.075

BRAZIL

PRF2	725	Rio Claro, S. Paolo	0.25
PRE6	740	Uberaba, Minaes Geraes	1.5
PRA2	750	Rio de Janeiro	1.5
PRA8	750	Pernambuco	3.0
PRD9	769	Sorocaba, S. Paolo	0.25
PRE7	788	Sao Paolo	1.0
PRB7	800	Rio de Janeiro	0.5
PRA6	815	Sao Paolo	1.0
PRA4	857	Bahia	0.5
PRB3	857	Juiz de Fora, M. Geraes	0.25
PRA3	860	Rio de Janeiro	2.5
PRB2	882	Curityba, Parana	0.25
PRF3	895	Sao Paolo	5.0
PRC3	920	Pelotas, R. G. do Sul	0.25
PRF4	923	Rio de Janeiro	10.0
PRD2	932	Rio de Janeiro	1.0
PRE4	941	Sao Paolo	0.25
PRC6	980	Rio de Janeiro	1.0
PRB8	1000	Sao Paolo	0.05
PRB4	1000	Santos, S. Paolo	1.0
PRB9	1017	Sao Paolo	5.0
PRC8	1040	Rio de Janeiro	0.25
PRC7	1091	Bello Horizonte, M. Geraes	0.25
PRC2	1091	Porto Alegre, R. G. do Sul	3.0
PRA9	1100	Rio de Janeiro	1.0
PRA7	1154	Ribeirao Preto, S. Paolo	0.05
PRB6	1170	Cruzeiro do Sul, S. Paolo	0.25
PRC9	1175	Campinas, S. Paolo	0.25
PRD3	1201	Taubate, S. Paolo	0.25
PRF6	1282	Rio de Janeiro	10.0
PRA5	1295	S. Paolo	5.0
PRC4	1304	S. Paolo	0.05
PRE9	1315	Fortaleza, Ceara	0.5
PRE2	1330	Rio de Janeiro	0.5
PRD4	1364	Arrarraquara, S. Paolo	0.25
PRC5	1364	Belem, Para	0.1

Call	Kc.	Location	Kw.
PRF7	1380	Campoos, Rio de Janeiro	0.5
PRD5	1400	Rio de Janeiro	0.5
PRE5	1410	Uberaba, M. Geraes	0.25
PRB5	1415	Franca, S. Paolo	0.05
PRD7	1430	Sorocaba, S. Paolo	0.25

COLOMBIA

HJN	682	Bogota	0.5
HJ3ABH	1000	Bogota	0.05
HJ4ABJ	1000	Armenia	0.05
HJ3ABD	1111	Bogota	0.05
HJ1ABF	1200	Barranquilla	0.05
HJ3ABE	1250	Bogota	0.05
HJ4ABK	1250	Medellin	0.3
HJ1ABA	1300	Barranquilla	0.05
HJ3ABK	1320	Bogota	0.05

CHILE

CE32	320	Los Andes	0.05
CE58	585	Santiago	1.0
CE62	625	Santiago	1.0
CE66	665	Santiago	1.0
CE70	705	Santiago	1.0
CE73	730	Vina del Mar	1.0
CE76	760	Valparaiso	10.0
CE78	785	Santiago	1.0
CE81	810	Valparaiso	1.0
CE82	825	Santiago	1.0
CE86	865	Santiago	1.0
CE87	870	Talcahuano	0.1
CE88	880	Valparaiso	1.0
CE90	905	Santiago	1.0
CE94	945	Santiago	5.0
CE98	985	Santiago	5.0
CE100	1005	Santiago	0.5
CE101	1010	Vina del Mar	1.0
CE102	1025	Santiago	0.1
CE103	1030	Valdivia	0.1
CE104	1040	Magallanes	0.1
CE105	1050	Valparaiso	1.0
CE106	1065	Santiago	1.0
CE108	1080	Concepcion	0.1
CE109	1090	Valparaiso	0.1
CE110	1105	Santiago	1.0
CE111	1110	Osorno	0.1
CE114	1145	Santiago	0.1
CE115	1150	Talca	0.1
CE117	1170	Valparaiso	0.25
CE118	1185	Santiago	1.0
CE119	1190	Magallanes	0.1
CE120	1200	Curico	0.1
CE122	1225	Santiago	0.25
CE124	1240	Santiago	0.1
CE125	1250	Valparaiso	0.1
CE126	1265	Santiago	1.0
CE128	1280	Temuco	0.5
CE131	1315	Santiago	0.1
CE133	1330	Osorno	0.1
CE134	1345	Santiago	0.15
CE138	1385	Santiago	1.0
CE139	1390	Rancagua	0.1
CE141	1410	Concepcion	0.1
CE142	1425	Santiago	0.1
CE143	1430	Magallanes	0.1
CE145	1450	Rancagua	0.1

ECUADOR

Call	Kc.	Location	Kw.
HC2ET	1153	Guayaquil	0.3
HC2JB	1250	Guayaquil	0.03

PARAGUAY

ZP15	700	Villarrica	0.5
ZP1	770	Asuncion	1.5
ZP9	898	Asuncion	0.7
ZP7	1083	Asuncion	0.1
ZP4	1200	Asuncion	0.1
ZP5	1376	Asuncion	0.1

PERU

OAX	750	Lima	1.5
OA4AR	1210	Lima	0.325
OA40	1277	Lima	0.1
OA6E	1350	Arequipa	0.03
OA4K	1360	Lima	0.15
OA6D	1400	Arequipa	0.15
OA6U	1443	Arequipa	0.05

URUGUAY

CX2	570	Montevideo	1.0
CX4	610	Montevideo	10.0
CX6	650	Montevideo	1.0
CX8	690	Montevideo	1.0
CW9	720	Under construction	0.12
CX10	730	Montevideo	1.0
CX12	770	Montevideo	1.0
CX14	810	Montevideo	5.0
CX16	850	Montevideo	2.5
CX18	890	Montevideo	0.05
CW19	920	Rocha	0.1
CX20	930	Montevideo	2.0
CX22	970	Montevideo	0.25
CW23	1000	Salto	0.25
CX24	1010	Montevideo	10.0
CW25	1040	Durazno	0.5
CX26	1050	Montevideo	2.0
CW27	1080	Salto	0.25
CX28	1090	Montevideo	2.0
CW29	1120	Mercedes	0.05
CX30	1130	Montevideo	0.5
CW31	1160	Salto	0.25
CX32	1170	Montevideo	0.5
CW33	1200	Florida	0.075
CX34	1210	Montevideo	0.5
CW35	1240	Paysandu	0.25
CX36	1250	Montevideo	0.25
CW37	1280	Colonia	0.025
CX38	1290	Montevideo	0.5
CW39	1320	Paysandu	0.1
CX40	1330	Montevideo	0.5
CW41	1360	San Jose	0.05
CX42	1370	Montevideo	1.0
CW43	1400	Cerro Largo, Melo	0.02
CX44	1410	Montevideo	1.0
CW45	1440	Durazno	0.03
CX46	1450	Montevideo	0.1
CW47	1480	Canelones	0.1
CX48	1490	Montevideo	1.5

VENEZUELA

YV1RC	960	Caracas	5.0
YV1BMO	1034	Maracaibo	0.075
YV4RC	1100	Sabana Grande, D.F.	0.075
YV1BMO	1153	Maracaibo	0.075
YV3RC	1200	Caracas	3.0



Kate Smith
C. B. S.



Frank Parker
N. B. C.



Vera Van
C. B. S.



Stoopnagle & Budd
C. B. S.

... MY FAVORITE PROGRAM ...

.. MONDAY TUESDAY WEDNESDAY THURSDAY ..
.. FRIDAY SATURDAY SUNDAY ..	

A Sunday's Jaunt Around the World

By Laurence M. Cockaday

The lure of distance and travel has caused many a short-wave listener to arise early on Sunday to literally tour the world via short-waves. Pulling on a bathrobe and pushing up a chair to our short-wave receiver at 6 a. m., E.S.T., we can easily pull in JVM at Nazaki, Japan, on 10740 kc., and hold him for an hour and a half. Or we can skip to the Australian station VK2ME and enjoy their musical reproductions on 9590 kc. as late as 8 to 9 a. m. Or we may twist dials to 17790 and pull in GSG, Daventry, England, to listen to their program in English. PCJ, Huizen, Holland, 15220 kc., puts in a nice signal during these same hours with peppy music, and from 8 to 11 a. m. we can switch to Moscow, RV59, on 12000 kc., with their varied programs. But do not forget to try for VUY, Bombay, India, on 9565 kc., at 11. This will be an excellent catch.

At noon we may try our luck with I2RO, Rome, Italy, on 11810 kc., and hold them as late as 3 p. m. France may be picked up from 6 a. m. to 11 a. m. on 15245 kc., continuing on 11890 kc. from 11 to 5 p. m. Germany is heard well from noon to 4 p. m. on 11770 kc.

Evening's listening on Sunday begins with EAQ, Madrid, Spain, on 9860 kc., and continues with the German "Twins" DJA and DJN at Zeesen, on 9560 kc. respectively, and at 6 p. m. the South Americans begin coming on the air in droves, including, among the better ones, TIRCC on 6550, HJ1ABB on 6447 kc., YV3RC on 6150 kc., COCD on 6130 kc., HJ3ABH on 6012 kc., and COCO on 6010 kc., as well as YV2RC on 5800 kc. During the hours of 6 to 8 do not fail

to listen to the British Twins GSB and GSL, on 9510 kc. and 6110 kc., for an enjoyable two-hour program. At 10 p. m. South Americans begin to drop out and the outstanding reception will be from Zeesen on DJC, whose program runs as late as 10:45 p. m. If you wish to try for some hard-to-get stations on Sunday there are the following: HAS3, Budapest, on 15370 kc., from 8 to 10 a. m.; PLP, Bandoeng, Java, 1100 kc., from 5 to 10 a. m.; OPM, Leopoldville, Africa, on 10135 kc., from 3 to 4 p. m.; ZCK, Hong Kong, China, on 8750 kc., from 10 to 11 a. m.; VUC, Calcutta, India, on 6300 kc., from 11 a. m. to noon; ZGE, Kuala Lumpur, Federated Malay States, on 6132 kc., from 8 to 9 a. m.; VQ7LO, Nairobi, Africa, on 6060 kc., at noon.

This rather sketchy outline will afford the short-wave fan or novice a main-line program for DX'ing round the world along a route from which many interesting bypaths may be explored.

TIME TABLE

For several centuries, time all over the world has been reckoned in terms of Greenwich Standard Time. The table which follows shows the time at all points, in the United States, when it is noon at Greenwich. (London.)

GMT.	EST.	CST.	MST.	PST.
Noon—Hr.	7 A.M.	6 A.M.	5 A.M.	4 A.M.
01 "	8 "	7 "	6 "	5 "
02 "	9 "	8 "	7 "	6 "
03 "	10 "	9 "	8 "	7 "
04 "	11 "	10 "	9 "	8 "
05 "	Noon	11 "	10 "	9 "
06 "	1 P.M.	Noon	11 "	10 "
07 "	2 "	1 P.M.	Noon	11 "
08 "	3 "	2 "	1 P.M.	Noon
09 "	4 "	3 "	2 "	1 P.M.
10 "	5 "	4 "	3 "	2 "
11 "	6 "	5 "	4 "	3 "
12 "	7 "	6 "	5 "	4 "
13 "	8 "	7 "	6 "	5 "
14 "	9 "	8 "	7 "	6 "
15 "	10 "	9 "	8 "	7 "
16 "	11 "	10 "	9 "	8 "
17 "	M.N.	11 "	10 "	9 "
18 "	1 A.M.	M.N.	11 "	10 "
19 "	2 "	1 A.M.	M.N.	11 "
20 "	3 "	2 "	1 A.M.	M.N.
21 "	4 "	3 "	2 "	1 A.M.
22 "	5 "	4 "	3 "	2 "
23 "	6 "	5 "	4 "	3 "
24 "	7 "	6 "	5 "	4 "

GMT. Means Greenwich Mean Time. EST. Means Eastern Standard Time.
CST. Means Central Standard Time. MST. Means Mountain Standard Time
PST. Means Pacific Standard Time.



Florence Austral
Australia



Percy Grainger
Australia



Nina
Alexandrysca
Russia



Olga Velecka
Augustova
Holland



John Amadio
Australia



Nettie Blase
Holland

NETHERLANDS				U. S. S. R.				ASIA				Call Location Meters Kc. Class			
Call	Location	Meters	Kc. Class	Call	Location	Meters	Kc. Class	Call	Location	Meters	Kc. Class	Call	Location	Meters	Kc. Class
PIJ	Dordrecht	42.34	7,082 A, B	RCAD	Minsk	46.70	6,420 P					H11A	Santiago de los Caballeros	47.80	6,272 B
PCJ	Eindhoven	19.70	15,220 E	RKI	Moscow	19.93	15,040 P					H11A	Santiago de los Caballeros	48.45	6,188 B
PHI	Huizen	25.56	11,730 B	RW50	Moscow	36.70	8,170 B					VIRGIN ISLANDS			
PKK	Kootwijk	16.29	18,400 P	RW59	Moscow	24.99	12,000 B					WTDW	St. Croix	69.81	4,295 E
PDV	Kootwijk	24.87	12,060 P	RW59	Moscow	49.97	6,000 B					WTDK	St. John	69.81	4,295 E
PGA	Kootwijk	38.29	7,830 P	RW72	Moscow	45.35	6,611 B					WTDV	St. Thomas	69.81	4,295 E
NORWAY				VATICAN STATE				CHINA				NETHERLANDS EAST INDIES			
LGN	Bergen	31.23	9,600 P	HVJ	Vatican City	19.83	15,123 B					PNI	Makassar, Celebes	34.17	8,775 P, B
LKJ1	Jeløy	31.43	9,540 E	HVJ	Vatican City	50.23	5,969 B					PKYDA2	Bandoeng, Java	48.99	6,120 B
PORTUGAL				YUGOSLAVIA				INDIA				PNE			
CT1AA	Lisbon	31.23	9,600 B	—	Belgrade	29.98	10,000 B					PKYDA2	Bandoeng, Java	15.92	18,830 P
CT1CT	Lisbon	24.82	12,082 B									PLF	Bandoeng, Java	27.26	11,000 P, B
CT1CT	Lisbon	79.95	3,750 B									PLV	Bandoeng, Java	31.84	9,415 P, B
CT1GO	Paredé	24.19	12,396 B									PMA	Bandoeng, Java	15.49	19,345 P, B
CT1GO	Paredé	48.38	6,198 B									PMC	Bandoeng, Java	16.53	18,135 P, B
POLAND				AFRICA				IRAQ				PMN			
SRI	Poznan	31.33	9,570 B	F8KR	Constantine	45.02	6,660 B					PMY	Bandoeng, Java	58.33	5,140 B
ROUMANIA				ALGERIA				JAPAN				PNE			
YOI	Bucharest	21.52	13,940 B	OPL	Leopoldville	14.96	20,040 P					YDE	Soerabaja, Java	67.07	4,470 B
YOI	Bucharest	49.97	6,000 B	OPM	Leopoldville	29.57	10,140 P					YDE2	Solo, Java	62.33	4,810 B
SPAIN				BELGIAN CONGO				INDIA				YDL2			
EAJ25	Barcelona	49.97	6,000 B	VOZLO	Nairobi, Kenya	31.18	9,616 B					YDA	Tandjongpriok, Java	98.62	3,040 B
EHY	Madrid	29.77	10,070 E	VQ7LO	Nairobi, Kenya	49.48	6,060 B					YDA	Tandjongpriok, Java	49.64	6,040 B
EAQ	Madrid	30.41	9,860 B									YBG	Medan, Sumatra	28.75	10,430 P, B
EAR110	Madrid	42.98	6,976 B									YDU2	Medan, Sumatra	65.18	4,600 B
EAR125	Madrid	42.71	7,020 B									SIAM			
SWITZERLAND				BRITISH EAST AFRICA				FEDERATED MALAY STATES				HSP			
HB9B	Basle	42.12	7,118 B	SUV	Cairo	29.84	10,055 P					HSP	Bangkok	16.90	17,740 P
HB9B	Basle	79.53	3,770 B	SUV	Cairo	31.33	9,570 B					HSJ	Bangkok	37.57	7,980 P
HE90C	Berne	31.98	9,375 P	SUX	Cairo	38.06	7,867 P					HSP2	Bangkok	31.56	9,500 B
HBP	Geneva	38.49	7,790 B									HSP2	Bangkok	31.10	9,640 B
HBL	Geneva	31.28	9,585 B									SIBERIA (U. S. S. R.)			
HBJ	Geneva	20.63	14,535 P									RSZ	Irkutsk	34.19	8,770 P
HBO	Prangins	24.93	12,030 P									RW15	Khabarovsk	70.17	4,273 B
UNITED KINGDOM				CANARY ISLANDS				FRENCH INDO-CHINA				RW15			
GBJ	Bodmin	16.10	18,620 P	EA8AB	Tenerife	41.60	7,207 B					RAU	Tashkent	19.86	15,104 P
GSA	Daventry	49.56	6,050 B									RIM	Tashkent	39.31	7,626 P
GSB	Daventry	31.53	9,510 B									OCEANIA			
GSC	Daventry	31.30	9,580 B									AUSTRALIA			
GSD	Daventry	25.52	11,750 B									VK3LR	Lyndhurst, Victoria	31.30	9,580 B
GSE	Daventry	25.28	11,860 B									VK3LR	Lyndhurst, Victoria	51.69	5,800 E
GSF	Daventry	19.80	15,140 B									VK3ME	Melbourne	31.53	9,510 B
GSF	Daventry	16.83	17,790 B									VK2ME	Sydney	31.26	9,590 B
OSG	Daventry	13.96	21,470 B									VLJ	Sydney	30.72	9,760 P
GSH	Daventry	19.65	15,260 B									VLK	Sydney	28.48	10,525 P
GSI	Daventry	13.93	21,530 B									VLZ	Sydney	37.67	7,960 P
GSJ	Daventry	49.07	6,110 B									NEW ZEALAND			
GSL	Daventry	16.10	18,620 P									ZL3ZC	Christchurch	49.97	6,000 B
GAU	Rugby	16.47	18,200 P									ZLT	Wellington	24.39	12,295 P
GAW	Rugby	14.71	20,380 P									ZL2XX	Wellington	62.86	4,770 P
GBA	Rugby	17.55	17,080 P									ZL2ZX	Wellington	49.48	6,060 B
GBC	Rugby	27.84	10,770 P									FIJI ISLANDS			
GBP	Rugby	22.29	13,450 P									VPE	Labasa, Vanua Levu	43.77	6,850 E
GBO	Rugby	24.48	12,250 P									VOL	Savu Savu, Vanua Levu	43.77	6,850 E
GBS	Rugby	13.45	22,291 P									VPD	Suva, Viti Levu	38.00	7,990 P
GBU	Rugby	24.40	12,290 P									VP1A	Suva, Viti Levu	28.66	10,460 B
												VPF	Taveuni, Taveuni	43.77	6,850 E
												HAWAIIAN ISLANDS			
												KEQ	Kahuku	40.68	7,370 P

World Short-Wave Time Table

BEST BETS IN FOREIGN BROADCASTS—Compiled by Laurence M. Cockaday

List of Symbols

- A—Thursday, Sunday, Wednesday, Friday
- B—Sunday, Monday, Wednesday, Friday
- C—Monday, Wednesday, Friday
- D—Daily
- E—Tuesday, Thursday, Saturday
- G—Tuesday, Thursday, Saturday
- I—Irregularly
- K—Monday, Friday
- L—Wednesday, Saturday
- N—Monday, Wednesday, Thursday
- O—Monday, Tuesday, Wednesday, Friday
- P—Except Tuesday, Wednesday
- R—Thursday, Friday, Saturday
- S—Sunday
- T—Tuesday
- Th—Thursday
- V—Sunday, Wednesday
- XTh—Except Thursday
- Z—Tuesday, Friday
- AB—Tuesday, Wednesday, Friday, Saturday
- AC—Monday, Thursday, Saturday
- AD—Monday, Thursday, Friday
- AE—Tuesday, Friday, Sunday
- AF—Saturday, Sunday
- AG—Tuesday, Sunday
- AH—Monday, Wednesday, Saturday
- AL—Except Monday, Sunday
- AM—Monday, Thursday
- AN—Tuesday, Saturday
- M—Monday
- Sa—Saturday
- XA—Except Saturday, Sunday
- XM—Except Monday, Saturday
- XR—Except Thursday, Saturday
- XSe—Except Sunday
- XSA—Except Saturday
- XX—Tuesday, Thursday, Friday
- XY—Except Tuesday, Sunday

HOURS OF TRANSMISSION		HOURS OF TRANSMISSION		HOURS OF TRANSMISSION																																	
8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24																					
01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24														
Call Letters	W8XX	CSJ	GLE	W3XAL	HLS	W2XAD	W2XAE	GSI	FVA	W8XX	GSI	HVJ	NVL	H8FABE	VPD	TFI	CVT	RV9R (RNE)	CT1GO	FYA	W8XX	GSE	W3XX	I2RO	DJD	GSD	PHI										
Freq. Mc.	21530	18830	17790	17790	15760	15730	15270	15260	15245	15240	15240	15240	15240	15140	15123	15040	14880	14120	13200	13075	2235	2002	1900	1890	1870	1860	1810	1770	1730								
City	Pittsburgh, Pa.	Danbury, Conn.	Bandenberg, Pa.	Davenport, England	Bound Brook, N. J.	Zessen, Germany	Scotchby, Hungary	New York, N. Y.	Pontoise, France	Huizen, Holland	Zessen, Germany	Davenport, England	Vatican City, U. S. S. R.	Moscow, U. S. S. R.	Osaka, Japan	Royalsledge, Belg.	Suva, Fiji Islands	Reykjavik, Iceland	Lisbon, Portugal	Paesde, Portugal	Pontaise, France	Pittsburgh, Pa.	Davenport, England	New York, N. Y.	Zessen, Germany	Huizen, Holland	Davenport, England	Huizen, Holland									
Wavelength Meters	13.9	15.9	16.8	16.8	18.8	18.8	19.5	19.6	19.6	19.7	19.7	19.8	19.8	19.8	20.5	20.5	22.7	24.5	24.8	25.2	25.2	25.2	25.2	25.2	25.4	25.5	25.5	25.5	25.5								
EASTERN STANDARD TIME		EASTERN STANDARD TIME		EASTERN STANDARD TIME		EASTERN STANDARD TIME		EASTERN STANDARD TIME		EASTERN STANDARD TIME		EASTERN STANDARD TIME		EASTERN STANDARD TIME		EASTERN STANDARD TIME		EASTERN STANDARD TIME		EASTERN STANDARD TIME		EASTERN STANDARD TIME		EASTERN STANDARD TIME		EASTERN STANDARD TIME		EASTERN STANDARD TIME		EASTERN STANDARD TIME		EASTERN STANDARD TIME		EASTERN STANDARD TIME		EASTERN STANDARD TIME	
GREENWICH MEAN TIME		GREENWICH MEAN TIME		GREENWICH MEAN TIME		GREENWICH MEAN TIME		GREENWICH MEAN TIME		GREENWICH MEAN TIME		GREENWICH MEAN TIME		GREENWICH MEAN TIME		GREENWICH MEAN TIME		GREENWICH MEAN TIME		GREENWICH MEAN TIME		GREENWICH MEAN TIME		GREENWICH MEAN TIME		GREENWICH MEAN TIME		GREENWICH MEAN TIME		GREENWICH MEAN TIME		GREENWICH MEAN TIME		GREENWICH MEAN TIME		GREENWICH MEAN TIME	

HOURS OF TRANSMISSION		HOURS OF TRANSMISSION		HOURS OF TRANSMISSION																																																										
8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24																																														
01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24																																							
Call Letters	CJRX	H4ABA	PJP	XB9O	JVC	W8XX	ORX	PMN	OPM	EAO	W8XX	CFWA	HBL	W3XAU	W3XME	HF50	GSD	WIXX (VUB)	DJA	DJN	W3XME	W3XAF	GSB	PRF5	COVH	HAT4	TPK	FKY (ZBW)	ZP10	HGJ6	COB9O	HC28SB	HFAED	XCOR	HJ1ABD	CR6AA	HR9B	HJ1ABD	HJ3C	HIH	JVT	TJEP	FY0L	W3XAL	PRAD0	RV72	TJRC	VFR5V	HJ1ABD	HJ1ABD	YNI6G	HJ1ABB	YV4RC	VU7C	OAX4G	HJ1ABH	HJ1A	HJ9BF	CJRO	HJ2ABA	YV3RC	HJ5ABC
Freq. Mc.	11720	11720	11710	11000	10740	9670	10330	10260	10135	9865	9595	9580	9580	9590	9590	9590	9580	9570	9565	9560	9560	9530	9510	9501	9495	9415	9120	8755	8220	8214	8170	7854	7400	7380	7281	7177	7098	6900	6818	6750	6662	6626	6616	6550	6520	6482	6450	6447	6375	6300	6230	6188	6180	6150	6150	6150	6150					
City	Winnipeg, Canada	Paris, France	Winnipeg, Canada	Mexico City, Mex.	Nazaki, Japan	Santiago, Chile	Russelsled, Belgium	Bandoeng, Java	Leopoldville, Africa	Madrid, Spain	Roma, Portugal	Geneva, Switzerland	Philadelphia, Pa.	Sydney, Australia	Panama City, Panama	Lyon, France	London, England	Springfield, Mass.	Bombay, India	Zessen, Germany	Zessen, Germany	Schenectady, N. Y.	Davenport, England	Rio de Janeiro, Brazil	La Paz, Bolivia	Budapest, Hungary	La Paz, Bolivia	Reykjavik, Iceland	Beijing, China	Anuncion, Paraguay	Quito, Ecuador	Cumaguey, Cuba	Guayaquil, Ecuador	San Jose, Costa Rica	San Jose, Costa Rica	Ribamba, Ecuador	Moscow, U. S. S. R.	San Jose, Costa Rica	Valencia, Ven.	San Jose, Costa Rica	San Domingo, D. R.	Barranquilla, Col.	Caracas, Venez.	Caracas, Venez.	Lima, Peru	Cienaga, Colombia	Santiago de Los Caballeros, D. R.	Winnipeg, Manitoba	Tunja, Colombia	Caracas, Venezuela	Call, Colombia											
Wavelength Meters	25.5	25.5	25.6	27.2	27.2	28.1	29.0	29.5	30.4	31.2	31.2	31.2	31.2	31.2	31.3	31.3	31.4	31.3	31.3	31.3	31.4	31.5	31.5	31.8	32.8	32.8	33.0	34.2	36.4	36.5	36.7	38.1	40.4	40.6	41.1	41.3	42.3	42.3	43.4	44.0	44.4	44.6	44.9	45.3	45.7	46.9	47.0	47.5	48.1	48.1	48.5	48.7	48.7	48.7	48.7	48.7						
EASTERN STANDARD TIME		EASTERN STANDARD TIME		EASTERN STANDARD TIME		EASTERN STANDARD TIME		EASTERN STANDARD TIME		EASTERN STANDARD TIME		EASTERN STANDARD TIME		EASTERN STANDARD TIME		EASTERN STANDARD TIME		EASTERN STANDARD TIME		EASTERN STANDARD TIME		EASTERN STANDARD TIME		EASTERN STANDARD TIME		EASTERN STANDARD TIME		EASTERN STANDARD TIME		EASTERN STANDARD TIME		EASTERN STANDARD TIME		EASTERN STANDARD TIME		EASTERN STANDARD TIME		EASTERN STANDARD TIME		EASTERN STANDARD TIME		EASTERN STANDARD TIME		EASTERN STANDARD TIME		EASTERN STANDARD TIME		EASTERN STANDARD TIME		EASTERN STANDARD TIME												
GREENWICH MEAN TIME		GREENWICH MEAN TIME		GREENWICH MEAN TIME		GREENWICH MEAN TIME		GREENWICH MEAN TIME		GREENWICH MEAN TIME		GREENWICH MEAN TIME		GREENWICH MEAN TIME		GREENWICH MEAN TIME		GREENWICH MEAN TIME		GREENWICH MEAN TIME		GREENWICH MEAN TIME		GREENWICH MEAN TIME		GREENWICH MEAN TIME		GREENWICH MEAN TIME		GREENWICH MEAN TIME		GREENWICH MEAN TIME		GREENWICH MEAN TIME		GREENWICH MEAN TIME		GREENWICH MEAN TIME		GREENWICH MEAN TIME		GREENWICH MEAN TIME		GREENWICH MEAN TIME		GREENWICH MEAN TIME		GREENWICH MEAN TIME		GREENWICH MEAN TIME												

FILL IN LOCAL TIME												EASTERN STANDARD TIME												GREENWICH MEAN TIME												
8	9	10	11	M	1	2	3	4	5	6	7	8	9	10	11	N	1	2	3	4	5	6	7	8	9	10	11	16	17	18	19	20	21	22	23	00
HOURS OF TRANSMISSION												HOURS OF TRANSMISSION												HOURS OF TRANSMISSION												
Call Letters												Frequency Kc.												City Country												
COBCC												6150												Santiago, Cuba												
WBKK												6140												Pittsburgh, Pa.												
CR7AA												6135												Lourenço Marques, Mozambique												
ZOE												6132												Kuala Lumpur, F. M. S.												
COCD												6130												Havana, Cuba												
CTIGO												6130												Paredes, Portugal												
WZKE												6120												New York, N. Y.												
HRFI												6115												Bghonduras												
HJLABE												6115												Cartagena, Col.												
VSEBK												6110												Halifax, N. S.												
GSL												6110												Davenport, England												
W3XAL												6100												Bryn Mawr, N. J.												
W3XAL												6100												Bryn Mawr, N. J.												
HJ4ABE												6098												Johannesburg, Africa												
CROX												6090												Toronto, Can.												
GFS												6080												La Paz, Bolivia												
HJ4AA												6080												Panama, S.												
CON												6073												Macao, Asia												
OER2												6072												Vienna, Austria												
HR2S												6070												Port au Prince, Haiti												
VSEBCL												6065												Vancouver, C.												
VO7LO												6060												Nairobi, Kenya, Afr.												
W3XAU												6060												Cincinnati, Ohio												
OKY												6060												Philadelphia, Pa.												
HJ4ABE												6045												Stamiebak, Den.												
HJ4ABG												6045												Bogota, Colombia												
W4XB												6042												Barraquilla, Col.												
FRAB												6040												Boston, Mass.												
VERCA												6040												Miami, Fla.												
DjC												6030												Zaesen, Germany												
HJ4ABH												6020												Singapore, Malaysia												
HJ4ABJ												6012												Bogota, Col.												
KECW												6010												Santiago, Chile												
HIX												6005												Montreal, Canada												
HJ4ABE												5990												Mexico City, Mex.												
HJ4ABC												5980												San Domingo, D. R.												
YVBRMO												5965												Xantoco, Mexico												
YVBRMO												5965												Xantoco, Mexico												
OAX2D												5930												Medellin, Colombia												
RV1S												5880												Cucuta, Colombia												
RV1S												5850												Maracaibo, Ven.												
RV1S												5800												Caracas, Ven.												
RV1S												5780												Lima, Peru												
RV1S												5273												San Cristobal, Ven.												
RV1S												4273												Khabarovsk, Siberia												
RV1S												3750												Basle, Switzerland												
RV1S												3750												Liaon, Portugal												
RV1S												3750												Liaon, Portugal												
RV1S												3750												Liaon, Portugal												

Foreign station listings change frequently. For latest data consult Radio News or other reliable radio magazine

AMATEUR, AVIATION, POLICE, SHIP and EXPERIMENTAL BANDS

Regular short-wave broadcast stations will be found listed elsewhere in this book. But for those who wish to wander further afield, the following list covers a wide range.

Frequency in Kc.	Type of Service	Frequency in Kc.	Type of Service
550-1500	Broadcast	7000-7300	Amateurs, c.w. (code)
1500-1600	Experimental Broadcast-Aviation-Police	8220	Aviation
1600-1700	Television	8540-8560	Coast 'phone
1704-1708	Aviation	8650-8660	Experimental Broadcast
1712	Police	9500-9600	Coast 'phone
1715-1875	Amateurs, c.w. (code)	11370-11400	Short-wave Broadcast
1875-2000	Amateurs, 'phone	11700-11800	Aviation
2000-2300	Television	12330	Experimental
2316	Aviation	12855-12870	Ship 'phone
2340-2410	Aviation, ship service, etc.	13185-13260	Amateurs, c.w. (code)
2410-2430	Police	14000-14150	Amateurs, 'phone
2440-2470	Police	14250-14400	Amateurs, c.w. (code)
2470-2490	Aviation	15100-15340	Short-wave Broadcast
2504-2508	State Police	16440	Aviation
2610-2650	Aviation	17080-17120	Coast 'phone
2750-2850	Television	17300-17320	Experimental
2850-3100	Aviation and Government	17600-17640	Ship 'phone
3125-3150	Ship 'phone	17750-17810	Short-wave Broadcast
3155-3265	Government and Aviation	21460-21540	Short-wave Broadcast
3420-3440	Coast 'phone	22675-22725	Coast 'phone
3445-3490	Government and Aviation	23100	Experimental
3490-3495	Experimental	25700	Experimental
3500-3900	Amateurs, c.w. (code)	26000	Experimental
3900-4000	Amateurs, 'phone	27100	Experimental
4110-4130	Aviation	28000-30000	Amateurs, c.w. (code)
4175-4200	Ship 'phone	34600	Experimental
4750-4775	Coast 'phone	41000	Experimental
4795-4800	Experimental	43000-46000	Television
4915-4920	Aviation	48500-50300	Television
5375-5380	Aviation	51000-53000	Experimental, Government
5565-5595	Aviation and Government	51400	Experimental
6010-6150	Short-wave Broadcast	56000-60000	Amateurs, 'phone
6420-6430	Experimental	60000-80000	Television
6400-6480	Coast 'phone	80000-400000	Experimental
6490-6640	Aviation	400000-401000	Amateurs, c.w. (code)
6650-6670	Ship 'phone	401000-above	Experimental

SHIPS CALL LETTERS AND FREQUENCY BANDS

Call	Ship	Call	Ship	FREQUENCY BANDS USED BY SHIPS
FNSK	Normandie	FNSM	Ile de France	Kilocycles
ICEJ	Rex	DDBR	S. S. Berlin	
DDAS	S. S. Bremen	JIAA	Kemikawa-Cho, Japan	
DDAC	S. S. Europa	DDCB	S. S. Columbus	3,125- 3,150
GFWW	S. S. Majestic	DDCG	S. S. Resolute	4,175- 4,200
GLSO	S. S. Olympic	DDCP	S. S. Cap Polonia	6,650- 6,670
GMJQ	S. S. Belgenland	DDDX	S. S. Hamburg	13,185-13,360
GDLJ	S. S. Homeric	DDEA	S. S. Cap Arcona	17,600-17,640
VTSX	S. S. Monarch of Bermuda	DDED	S. S. New York	
GKFY	S. S. Minnetonka	DDFT	S. S. Oceana	
GMBJ	S. S. Empress of Britain	DDNY	S. S. Albert Ballin	

Note: All ships broadcast in a general channel listed as above.

SHORT-WAVE BROADCASTING STATION ADDRESSES

EUROPE

DAVENTRY—Broadcasting House, London W C 1, England.
GERMANY—German Short-Wave Stations, Haus des Rundfunks, Berlin-Charlottenburg 9, Germany.
FRANCE—Radio-Coloniale, Boulevard Haussmann 98bis, Paris, France.
EAQ—P. O. Box 951, Madrid, Spain.
HBL, HBP—G. Gallarati, Information Section, League of Nations, Geneva, Switzerland.
HVJ—Castine Pio IV, Vatican City, Italy.
I2RO (2RO)—E. I. A. R., 5 Via Montello, Rome, Italy.
CT1AA—Av. Duque de Avila, 86 r/c, Lisbon, Portugal.
OXY—Statsradiofonien, Heibergsgade 7, Copenhagen, Denmark.
PHI—PHOHI Studios, Hilversum, Holland.
RV59—Miss Inna Marr, Radio Centre, Solianka 12, Moscow, U. S. S. R.
IAC—Mr. A. Nicastro, Coltano, Piza, Italy.
ENGLISH COMMERCIAL PHONES—G. P. O. (Radio Section) 86 Wood Street, London EC 2, England.
FRENCH COMMERCIAL PHONES—Rue de Montmartre 166, Paris, France.
ORK—Radio Ruysselede, West Flanders, Belgium.

SOUTH AMERICAN, CUBAN, DOMINICAN REPUBLICS

YV3RC—Radiofusora Venezuela, Bajos Paseje Ramella, Caracas, Venezuela, S. A.
YV2RC—Apartado 290, Caracas, Venezuela, S. A.
XAM—Poder Ejecutivo Federal, Merida, Yucatan, Mexico.
PRADO—Apartado 98, Riobamba, Ecuador, S. A.
HC2RL—P. O. Box 759, Guayaquil, Ecuador, S. A.
HJ3ABD—Calle 16, No. 5-40, Bogota, Colombia, S. A.
HCJB—Casilla 691, Quito, Ecuador, S. A.
YV5RMO—S. M. Vegas, Apartado 214, Maracaibo, Venezuela, S. A.
HJ2ABA—“La Voz de Pais en Tunja,” Boyaca, Colombia, S. A.
HJ4ABE—Radiodifusora de Medellin, Medellin, Colombia, S. A.
HJ1ABE—Mr. E. J. Pellet, Director, P. O. Box 715, Barranquilla, Colombia, S. A.
LSX—Transradio International, San Martin 329, Buenos Aires, Argentina, S. A.
PR3 or PSK—Radio Club do Brasil, Rio de Janeiro, Brazil, S. A.
HIX—Estacion Radiodifusora HIX, Santo Domingo, R. D.
XETE—P. O. Box 1396, Mexico, D. F.
CCC—P. O. Box 98, Havana, Cuba.
CMB2 and CMA—Cuban Transatlantic Radio Corporation, Havana, Cuba.

NORTH AMERICA

W2XAF, W2XAD—General Electric Co., 1 River Road, Schenectady, New York.
W9XF—North Wacker Drive, Chicago, Ill.
W8XAL—Crosley Radio Corp., Cincinnati, Ohio.
W4XB—Mr. Jesse Jay, Miami Beach, Florida.
W8XK—William Penn Hotel, Pittsburgh, Pa.
W3XAL—30 Rockefeller Plaza, New York City, N. Y.
W2XE—485 Madison Avenue, New York City, N. Y.
CJRO
CJRX—Royal Alexandra Hotel, Winnipeg, Manitoba, Canada.
CRCX—Toronto, Ontario, Canada.
VE9DR—Canadian Marconi Company, P. O. Box 1690, Montreal, Canada.
VE9CS—734 Davie Street, Vancouver, Canada.
VE9BJ—St. Johns, New Brunswick, Canada.
VE9HX—P. O. Box 998, Halifax, N. S., Canada.

ASIA

SIAM—Post and Telegraph Department, Radio Section, Bangkok, Siam.
INDO CHINA—Commercial Phones: Centre Radioelectrique de Saigon, Indo-China.
JIAA—Kemikawa-Cho, Chiba-Ken, Japan.
CON—Post Office, Macao, China.
PLE—Post, Telegraaf and Telefoondienst, Bandoeng, Java.
VUC—Indian State Broadcasting Service, Irwin House, Ballard Estate, Bombay, India.

AFRICA

RABAT or CNR—Director de l'office des Postes, Rabat, Morocco.
VO7LO—P. O. Box 777, Nairobi, Kenya Colony, Africa.
OPM—Radio Leopoldville, Congo Belge, Africa.

OCEANIC

VK2ME—47 York Street, Sydney, Australia.
VK3ME—Wireless House, 167-169 Queen Street, Box 1272L, Melbourne C 1, Australia.

SHIPS

GERMAN SHIPS—Hamburg-American Line, 39 Broadway, New York City.
GERMAN SHIPS—North German Lloyd, 57 Broadway, New York City.
ITALIAN SHIPS—“S.S. Rex” and “Conti di Savoie,” Pier 86 N. River, New York City.
ENGLISH SHIPS—International Mercantile Marine, 1 Broadway, New York City.
UNITED STATES SHIPS—Radiomarine Co., 75 Varick St., New York City.

INTERNATIONAL CALL LETTERS

Call Signal	Country	Call Signal	Country
CAA-CEZ	Chile	OUA-OZZ	Denmark
CFA-CKZ	Canada	PAA-PIZ	Netherlands
CLA-CMZ	Cuba	PJA-PJZ	Curacao
CNA-CNZ	Morocco	PKA-POZ	Dutch East Indies
COA-COZ	Cuba	PPA-PYZ	Brazil
CPA-CPZ	Bolivia	PZA-PZZ	Surinam
COA-CRZ	Portuguese Colonies	O	(Abbreviations)
CSA-CUZ	Portugal	R	U. S. S. R.
CVA-CXZ	Uruguay	SAA-SMZ	Sweden
CYA-CZZ	Canada	SOA-SRZ	Poland
D	Germany	SSA-SSZ	
EAA-EHZ	Spain	STA-SUZ	Egypt
EIA-EIZ	Irish Free State	SVA-SZZ	Greece
ELA-ELZ	Liberia	TAA-TCZ	Turkey
EPA-EQZ	Persia	TFA-TFZ	Iceland
ESA-ESZ	Estonia	TGA-TGZ	Guatemala
ETA-ETZ	Ethiopia	TIA-TIZ	Costa Rica
EZA-EZZ	Territory of the Saar	TKA-TZZ	France and Colonies and Protec-
F	France and Colonies and Protectorates		torates
G	Great Britain	U	U. S. S. R.
HAA-HAZ	Hungary	VAA-VGZ	Canada
HBA-HBZ	Switzerland	VHA-VMZ	Australia
HCA-HCZ	Ecuador	VOA-VOZ	Newfoundland
HHA-HHZ	Haiti	VPA-VSZ	British Colonies and Protectorates
HIA-HIZ	Dominican Republic	VTA-VWZ	British India
HJA-HKZ	Colombia	VXA-VYZ	Canada
HPA-HPZ	Republic of Panama	W	United States of America
HRA-HRZ	Honduras	XAA-XFZ	Mexico
HSA-HSZ	Siam	XGA-XUZ	China
HVA-HVZ	Vatican City	XYA-XZZ	British India
HZA-HZZ	Saudi Arabia	YAA-YAZ	Afghanistan
I	Italy and Colonies	YBA-YHZ	Dutch East Indies
J	Japan	YIA-YIZ	Iraq
K	United States of America	YJA-YJZ	New Hebrides
LAA-LNZ	Norway	YLA-YLZ	Latvia
LOA-LWZ	Argentina	YMA-YMZ	Free City of Danzig
LXA-LXZ	Luxemburg	YNA-YNZ	Nicaragua
LYA-LYZ	Lithuania	YOA-YRZ	Roumania
LZA-LZZ	Bulgaria	YSA-YSZ	Republic of El Salvador
M	Great Britain	YTA-YUZ	Yugoslavia
N	United States of America	YVA-YWZ	Venezuela
OAA-OCZ	Peru	ZAA-ZAZ	Albania
OEA-OEZ	Austria	ZBA-ZJZ	British Colonies and Protectorates
OFA-OHZ		ZKA-ZMZ	New Zealand
OIA-OJZ	Finland	ZPA-ZPZ	Paraguay
OKA-OKZ	Czechoslovakia	ZSA-ZUZ	Union of South Africa
ONA-OTZ	Belgium and Colonies	ZVA-ZZZ	Brazil

Important Facts for Owners of Radio Sets . . .

The franchised Tung-Sol dealer who gives you this radio log was chosen for reliability and ability to serve you and your community.

He chose Tung-Sol because TUNG-SOL RADIO TUBES are manufactured to high precision standard with the finest of modern equipment.

Every tube is tested many times during the process of manufacture to insure mechanical perfection and, finally, for actual performance. They are built to surpass standard engineering requirements and to maintain a long-standing reputation for a product of high quality.

Radio tubes weaken with use—but so gradually that you may not realize the loss of original brilliance and fidelity of tone . . . or, one weak tube can reduce the rest to the level of its own low efficiency.

With TUNG-SOL RADIO TUBES you will get greater sensitivity, clarity and brilliance, more uniformly sustained volume and many extra hours of useful life.

The Tung-Sol franchised dealer is **more** than just a merchant. He is the local authority on radio whose advice and service will assure you uniformly good reception.

TUNG-SOL LAMP WORKS, Inc.
RADIO TUBE DIVISION
NEWARK, NEW JERSEY