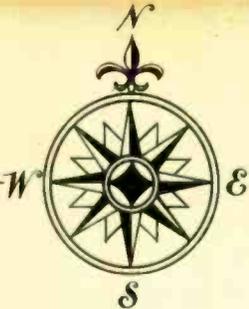




Around the World
= with =
TUNG-SOL
WORLD RADIO LOG
= 25¢ =



TUNG-SOL

WORLD RADIO LOG

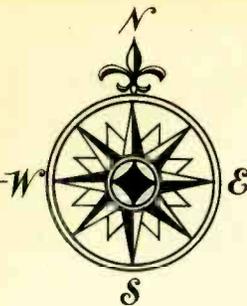
How to Get the Best That's on the Air at Home and Abroad

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.

UNITED STATES BROADCASTING STATIONS

ALPHABETICALLY BY CALL LETTERS

Call	Kc.	Location	Kw.	Call	Kc.	Location	Kw.
KABC	1420	San Antonio, Texas	.1	KFUO	550	St. Louis, Mo.	.5
KABR	1420	Aberdeen, S. D.	.1	KFVD	1000	Los Angeles, Calif.	.25
KADA	1200	Ada, Okla.	.1	KFVS	1210	Cape Girardeau, Mo.	.1
KALE	1420	Alexandria, La.	.1	KFWB	950	Hollywood, Calif.	.1
KALE	1300	Portland, Ore.	.5	KFXD	1200	Nampa, Idaho	.1
KARK	890	Little Rock, Ark.	.25	KFXJ	1200	Grand Junction, Colo.	.1
KASA	1210	Elk City, Okla.	.1	KFXM	1210	San Bernardino, Calif.	.1
KAST	1370	Astoria, Ore.	.1	KFYR	1310	Oklahoma City, Okla.	.1
KBPS	1420	Portland, Ore.	.1	KFYR	1310	Lubbock, Texas	.1
KBTM	1200	Jonesboro, Ark.	.1	KFYR	550	Bismarck, N. Dakota	.1
KCMC	1420	Texasarkana, 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	KGCK	1310	Wolf Point, Montana	.1
KEHE	780	Los Angeles, Calif.	.5	KGDE	1200	Fergus Falls, Minn.	.1
KELD	1370	El Dorado, Ark.	.1	KGDM	1100	Stockton, Calif.	.1
KERN	780	Burbank, Calif.	.5	KGDU	1340	Huron, S. Dak.	.25
KELW	1370	Bakersfield, Calif.	.1	KGEE	1200	Sterling, Colo.	.1
KEX	1180	Portland, Ore.	.5	KGER	1360	Long Beach, Calif.	.1
KFAB	770	Lincoln, Nebr.	10.	KGEZ	1310	Kalispell, 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
KFBK	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
KFGQ	1370	Boone, Iowa	.1	KGGC	1420	San Francisco, Calif.	.1
KFH	1300	Wichita, Kansas	1.	KGGF	1010	Coffeyville, Kansas	.1
KFI	640	Los Angeles, Calif.	50.	KGGM	1230	Albuquerque, N. Mex.	.25
KFIO	1120	Spokane, Wash.	.1	KGHH	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
KFJI	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	1370	Tyler, Texas	.1
KFJZ	1370	Fort Worth, Texas	.1	KGKO	1300	San Angelo, Texas	.1
KFKA	880	Greeley, Colo.	.5	KGKI	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	Honolulu, 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	Anchorage, Alaska	.25	KGVO	1260	Missoula, Mont.	1.
KFRC	610	San Francisco, Calif.	1.	KGW	620	Portland, Ore.	1.
KFRQ	1370	Longview, Texas	.1	KGY	1210	Olympia, Wash.	.1
KFRU	630	Columbia, Mo.	.5	KHJ	900	Los Angeles, Calif.	1.
KFSB	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.

Peq 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.	KRKD	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.
KINY	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
KIUL	1210	Garden City, Kans.	.1	KROW	930	Oakland, Calif.	1.
KIUN	1420	Pecos, Texas	.1	KRSC	1120	Seattle, Wash.	.1
KIUP	1370	Durango, Colo.	.1	KSAC	580	Manhattan, Kan.	.5
KJBS	1070	San Francisco, Calif.	.5	KSCJ	1330	Sioux City, Iowa	1.
KJR	970	Seattle, Wash.	.5	KSD	550	St. Louis, Mo.	1.
KLCN	1290	Blytheville, Ark.	.1	KSEI	900	Pocatello, Idaho	.25
KLO	1400	Ogden, Utah	.5	KSFO	560	San Francisco, Calif.	1.
KLPM	1240	Minot, N. Dakota	.25	KSL	1130	Salt Lake City, Utah	50.
KLRA	1390	Little Rock, Ark.	1.	KSLM	1370	Salem, Ore.	.1
KLS	1440	Oakland, Calif.	.25	KSO	1430	Des Moines, Iowa	.25
KLUF	1370	Galveston, Texas	.1	KSOO	1110	Sioux Falls, S. Dakota	2.5
KLX	880	Oakland, Calif.	1.	KSTP	1460	St. Paul, Minn.	10.
KLZ	563	Denver, Colo.	1.	KSUN	1200	Lowell, Ariz.	.1
KMAC	930	Shenandoah, Iowa	.1	KSTAR	1600	Phoenix, Ariz.	1.
KMCA	1370	San Antonio, Texas	.1	KTAT	1240	Fort Worth, Texas	1.
KMBC	950	Kansas City, Mo.	1.	KTBS	1450	Shreveport, La.	1.
KMED	1310	Medford, Ore.	.1	KTFI	1240	West Twin Falls, Idaho	1.
KMJ	580	Fresno, Calif.	1.	KTHS	1060	Hot Springs, Ark.	10.
KMLB	1200	Monroe, La.	.1	KTRB	740	Modesto, Calif.	.25
KMMJ	740	Clay Center, Nebr.	1.	KTRH	1290	Houston, Texas	1.
KMO	1330	Tacoma, Wash.	.25	KTSA	550	San Antonio, Texas	1.
KMOX	1090	St. Louis, Mo.	50.	KTSM	1310	El Paso, Texas	.1
KMPK	710	Beverly Hills, Calif.	.5	KTUL	1400	Tulsa, Okla.	.5
KMTR	570	Hollywood, Calif.	1.	KTW	1220	Seattle, Wash.	1.
KNOW	1500	Austin, Texas	.1	KUJ	1370	Walla Walla, Wash.	.1
KNX	1050	Hollywood, Calif.	50.	KUMA	1420	Yuma, Ariz.	.1
KOA	830	Denver, Colo.	50.	KUOA	1260	Fayetteville, Ark.	1.
KOAC	550	Corvallis, Ore.	1.	KUSD	890	Vermillion, S. D.	.5
KOB	1180	Albuquerque, N. Mex.	10.	KVI	570	Tacoma, Wash.	1.
KOH	1380	Reno, Nev.	.5	KVL	1370	Seattle, Wash.	.1
KOIL	1260	Council Bluffs, Iowa	1.	KVOA	1260	Tucson, Ariz.	.5
KOIN	940	Portland, Ore.	1.	KVOD	920	Denver, Colo.	.5
KOL	1270	Seattle, Wash.	1.	KVOL	1310	Lafayette, La.	.1
KOMA	1480	Oklahoma City, Okla.	.5	KVOO	1140	Tulsa, Okla.	.25
KOMO	920	Seattle, Wash.	1.	KVOR	1270	Colorado Spgs., Colo.	1.
KONO	1370	San Antonio, Texas	.1	KVOS	1200	Bellingham, Wash.	.1
KOOS	1200	Marshfield, Ore.	.25	KVSO	1210	Ardmore, Okla.	.1
KORE	1420	Eugene, Ore.	.1	KWBG	1420	Hutchinson, Kans.	.1
KOTN	1500	Pine Bluff, Ark.	.1	KWEA	1210	Shreveport, La.	.1
KOY	1390	Phoenix, Ariz.	.5	KWEG	1200	Stockton, Calif.	.1
KPAC	1260	Port Arthur, Texas	.5	KWJJ	1040	Portland, Ore.	.5
KPCB	1500	Seattle, Wash.	1.	KWK	1350	St. Louis, Mo.	1.
KPJM	1500	Prescott, Ariz.	.1	KWKC	1370	Kansas City, Mo.	.1
KPLC	1500	Lake Charles, La.	.1	KWKH	850	Shreveport, La.	10.
KPO	680	San Francisco, Calif.	50.	KWLC	1270	Decorah, Iowa	.1
KPOF	880	Denver, Colo.	.5	KWSC	1220	Pullman, Wash.	1.
KPPC	1210	Pasadena, Calif.	.05	KWTN	1210	Watertown, S. Dak.	.1
KPO	1500	Wanatchea, Wash.	.1	KWTO	560	Springfield, Mo.	.5
KPRC	920	Houston, Texas	1.	KWYO	1370	Sheridan, Wyo.	.1
KQV	1380	Pittsburgh, Pa.	.5	KXA	760	Seattle, Wash.	.25
KQW	1010	San Jose, Calif.	1.	KXL	1420	Portland, Ore.	.1
KRE	1370	Berkeley, Calif.	.1	KXO	1500	El Centro, Calif.	.1
KREG	1500	Santa Ana, Calif.	.1	KXRO	1310	Aberdeen, Wash.	.1



Crumit & Sanderson
C. B. S.



Muriel Wilson
N. B. C.



Jessica Dragonette
N. B. C.



Emery Deutsch
C. B. S.

IMPROVE THE TONE OF YOUR RADIO WITH **TUNG-SOL TUBES**



Dr. Walter Damrosch
N. B. C.

Call	Kc.	Location	Kw.
KXYZ	1440	Houston, Texas	1.
KYA	1230	San Francisco, Calif.	1.
KYW	1020	Philadelphia, Pa.	10.
NAA	690	Arlington, Va.	1.
NAAAB	1410	Boston, Mass.	.5
WAAB	920	Chicago, Ill.	.5
WAAT	940	Jersey City, N. J.	.5
WAAB	660	Omaha, Nebr.	.5
WAAB	860	New York, N. Y.	50.
WABC	1200	Bangor, Maine	.1
WABY	1370	Albany, N. Y.	.1
WACO	1420	Waco, Texas	.1
WADC	1230	Akron, Ohio	1.
WAGF	1370	Dothan, Ala.	.1
WAGM	1420	Presque Isle, Maine	.1
WAIM	1200	Anderson, S. C.	.5
WAIU	640	Columbus, Ohio	.5
WALA	1380	Mobile, Ala.	.5
WALR	1210	Zanesville, Ohio	.1
WAML	1310	Laurel, Miss.	.1
WAPJ	1140	Birmingham, Ala.	.5
WARD	1400	Brooklyn, N. Y.	.5
WASH	1270	Grand Rapids, Mich.	.5
WATR	1190	Waterbury, Conn.	.1
WAVE	940	Louisville, Ky.	1.
WAWZ	1350	Zarephath, N. J.	.5
WAZL	1420	Hazleton, Penna.	1.
WEAA	890	West Lafayette, Ind.	.1
WEAL	1060	Baltimore, Md.	10.
WEAB	800	Fort Worth, Texas	50.
WEAX	1410	Wilkes-Barre, Penna.	.5
WEBC	1200	Brooklyn, N. Y.	.1
WBBL	1210	Richmond, Va.	.1
WBEM	770	Chicago, Ill.	50.
WBFB	1300	Brooklyn, N. Y.	1.
WBFC	1200	Ponca City, Okla.	.5
WBGM	1410	Bay City, Mich.	.5
WBEN	900	Buffalo, N. Y.	1.
WBEO	1310	Marquette, Mich.	.1
WBIG	1440	Greensboro, N. C.	.5
WBNO	1200	New Orleans, La.	.1
WBNS	1430	Columbus, Ohio	.5
WBNX	1350	New York, N. Y.	.25
WBOD	(See WABC)		
WBOW	1310	Terre Haute, Ind.	.1
WBRS	1210	Red Bank, N. J.	.1
WBRC	930	Birmingham, Ala.	1.
WBRE	1310	Wilkes-Barre, Pa.	.1
WBSE	920	Babson Park, Mass.	.5
WBT	1080	Charlotte, N. C.	50.
WBTM	1370	Danville, Va.	.1
WBZ	990	Boston, Mass.	50.
WBZA	990	Springfield, Mass.	.1
WCAC	600	Storrs, Conn.	.5
WCAD	1220	Canton, N. Y.	.5
WCAG	1220	Pittsburgh, Pa.	1.
WCAL	1250	Northfield, Minn.	1.
WCAM	1280	Camden, N. J.	.5
WCAO	600	Baltimore, Md.	.5
WCAP	1280	Asbury Park, N. J.	.5
WCAT	1200	Rapid City, S. Dak.	.1
WCAU	1170	Philadelphia, Pa.	50.
WCAX	1200	Burlington, Vt.	.1
WCAZ	1070	Carthage, Ill.	.26
WCBA	1440	Allentown, Penna.	.5
WCBD	1080	Waukegan, Ill.	.5
WCBM	1370	Baltimore, Md.	.1



Ruth Etting
N. B. C.



Jesse Block and
Eve Sully
C. B. S.



Phil Baker
N. B. C.

Call	Kc.	Location	Kw.
WCBS	1420	Springfield, Ill.	.1
WCFO	810	Minneapolis, Minn.	50.
WCFL	970	Chicago, Ill.	1.5
WCHS	580	Charleston, W. Va.	.5
WCKY	1490	Covington, Ky.	5.
WCLO	1490	Janesville, Wis.	1.
WCLS	1310	Joliet, Ill.	.1
WCMI	1310	Ashland, Ky.	.1
WCNW	1500	Brooklyn, N. Y.	.1
WCOA	1340	Penacola, Fla.	.5
WCOC	880	Meridian, Miss.	.5
WCOL	1210	Columbus, Ohio	.1
WCRW	1210	Chicago, Ill.	.5
WCSC	1360	Charleston, S. C.	.5
WCSH	940	Portland, Maine	1.
WDAE	1220	Tampa, Fla.	1.
WDAF	610	Kansas City, Mo.	1.
WDAH	1310	El Paso, Texas	.1
WDAS	1370	Philadelphia, Penna.	1.
WDAY	940	Fargo, N. Dakota	1.
WDBJ	930	Roanoke, Va.	1.
WDBO	580	Orlando, Fla.	1.
WDEL	1120	Wilmington, Del.	.25
WDEV	550	Wilmington, Vt.	.5
WDGY	1180	Minneapolis, Minn.	1.
WDNC	1500	Durham, N. C.	1.
WDOD	1280	Charlanooga, Tenn.	1.
WDRS	1330	Hartford, Conn.	1.
WDSU	1250	New Orleans, La.	1.
WDZ	1020	Tuscola, Ill.	.25
WEAF	660	New York, N. Y.	50.
WEAN	780	Providence, R. I.	.5
WEBC	1290	Superior, Wis.	1.
WEBO	1210	Harrisburg, Ill.	1.
WEBR	1310	Buffalo, N. Y.	1.
WECD	1210	Chicago, Ill.	1.
WEED	1420	Rocky Mount, N. C.	1.
WEEI	590	Boston, Mass.	1.
WEEU	1230	Reading, Penna.	1.
WEHC	1420	Charlottesville, Va.	.1
WEHS	1420	Cicero, Ill.	.1
WELL	1420	Battle Creek, Mich.	1.
WENR	870	Chicago, Ill.	50.
WESG	850	Elmira, N. Y.	1.
WEVD	1300	New York, N. Y.	1.
WEW	760	St. Louis, Mo.	1.
WEXL	1310	Royal Oak, Mich.	50
WFAA	800	Dallas, Texas	50.
WFAB	1300	New York, N. Y.	1.
WFAM	1200	South Bend, Ind.	.1
WFAS	1210	White Plains, N. Y.	1.
WFBC	1300	Greenville, S. C.	1.
WFBE	1200	Cincinnati, Ohio	.1
WFBG	1310	Altoona, Pa.	.1
WFBL	1360	Syracuse, N. Y.	.1
WFBM	1230	Baltimore, Ind.	1.
WFBR	1270	Baltimore, Md.	.5
WFDF	1310	Flint, Mich.	.1
WFEE	1340	Manchester, N. H.	.5
WFIL	560	Philadelphia, Pa.	1.
WFLE	620	Clearwater, Fla.	1.
WFMD	900	Frederick, Md.	.5
WFGL	1500	Lancaster, Pa.	.1
WGAR	1450	Cleveland, Ohio	.5
WGAL	1210	Freeport, N. Y.	.1
WGEB	630	Evansville, Ind.	.5
WGBF	880	Scranton, Pa.	.5
WGBI			

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.	.5
WGH	1310	Newport News, Va.	.1	WJBL	1500	Detroit, Mich.	.1
WGL	1370	Ft. Wayne, Ind.	.1	WJKB	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
WGPR	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	WJEJ	1210	Hagerstown, Md.	.1
WGT	790	Schenectady, N. Y.	50.	WJIM	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	WKAO	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	WKBH	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.
WHEB	740	Portsmouth, N. H.	2.5	WKBE	1500	Muskegon, Mich.	.1
WHEC	1430	Rochester, N. Y.	.5	WKEU	1500	Griffin, Ga.	.1
WHFE	1500	Kosciusko, Miss.	.1	WKJK	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	WKRY	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.	WLBZ	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	Urbana, 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.	WMAS	1420	Springfield, Mass.	.1
WIP	610	Philadelphia, Pa.	.5	WMAZ	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.
WJAG	1060	Norfolk, Nebr.	.1	WMBQ	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	WREC	600	Memphis, Tenn.	.1
WMFF	1310	Pittsburgh, N. Y.	.1	WREN	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	WROK	1410	Rockford, Ill.	.5
WMFJ	1420	Daytona Beach, Fla.	.1	WROL	1310	Knoxville, Tenn.	.1
WMFN	1210	Clarksdale, Miss.	.1	WRR	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	1450	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
WNEZ	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.
WNEW	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.	.1
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.	WTCN	1250	Minneapolis, Minn.	1.
WOWO	1160	Ft. Wayne, Ind.	10.	WTEL	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	WTJS	1310	Jackson, Tenn.	.1
WPAY	1370	Portsmouth, Ohio	.1	WTMJ	620	Milwaukee, Wis.	1.
WPEN	920	Philadelphia, Pa.	.25	WTMW	1500	East St. Louis, Ill.	.1
WPFB	1370	Hattiesburg, Miss.	.1	WTNJ	1280	Trenton, N. J.	.5
WPG	1100	Atlantic City, N. J.	5.	WTOC	1260	Savannah, Ga.	1.
WPHR	880	Petersburg, Va.	.5	WTRC	1310	Elkhart, Ind.	.05
WPRO	630	Providence, R. I.	.25	WVFW	1400	Brooklyn, 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.
WQAM	560	Miami, Fla.	1.	WWJ	920	Detroit, Mich.	1.
WQAN	880	Scranton, Pa.	.25	WWL	850	New Orleans, La.	10.
WQBC	1370	Vicksburg, Miss.	1.	WWNC	570	Asheville, N. C.	.1
WQDM	1370	St. Albans, Vt.	.1	WWRL	1500	Woodside, N. Y.	.1
WRAC	1370	Williamsport, Pa.	.1	WWSW	1500	Pittsburgh, Pa.	.1
WRAW	1310	Reading, Pa.	.1	WWVA	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.
KPUO, KFYR, KOAC, KSD, WDEV,
WGR, WKRC.
- 560 kc., 535.4 m.
KFDL, KLZ, KTAB, KWTO, WIND,
WFIL, WNOX, WQAM.
- 570 kc., 526.0 m.
KGKO, KMTR, KVI, WKBN, WMCA,
WNAX, WOSU, WSYR, WSYU, WWNC.
- 580 kc., 516.9 m.
KMJ, KSAC, WCHS, WDBO, WIBW,
WTAG.
- 590 kc., 508.2 m.
KHQ, WEEL, WKZO, WOW.
- 600 kc., 499.7 m.
KFSD, WCAC, WCAO, WICC, WMT,
WREC.
- 610 kc., 491.5 m.
KFRC, WDAF, WIP, WJAY.
- 620 kc., 483.6 m.
KGW, KTAR, WFLA, WSUN, WHJB,
WLBZ, WTMJ.
- 630 kc., 475.9 m.
KFRU, KGFX, WGBF, WMAL, WOS.
- 640 kc., 468.5 m.
KFI, WAIU, WOI.
- 650 kc., 461.3 m.
KPCB, WSM.
- 660 kc., 454.3 m.
WAAW, WEAJ.
- 670 kc., 447.5 m.
WMAQ.
- 680 kc., 440.9 m.
KFEQ, KPO, WPTF.
- 690 kc., 434.5 m.
(Reserved for Canadian Stations) **NAA**
- 700 kc., 428.3 m.
WLW.
- 710 kc., 422.3 m.
KMPC, WOR.
- 720 kc., 416.4 m.
WGN.
- 730 kc., 410.7 m.
(Reserved for Canadian Stations)
- 740 kc., 405.2 m.
KMMJ, KTRB, WHEB, WSB.
- 750 kc., 399.8 m.
KGU, WJR.
- 760 kc., 394.5 m.
KXA, WEW, WJZ.
- 770 kc., 389.4 m.
KFAB, WBBM.
- 780 kc., 384.4 m.
KELW, KFDY, KFOD, KTM, WEAN,
WMC, WTAR.
- 790 kc., 379.5 m.
KGO, WGY.
- 800 kc., 374.8 m.
WBAP, WFAA, WTBO.
- 810 kc., 370.1 m.
WCCO, WNYC.
- 820 kc., 365.6 m.
WHAS.
- 830 kc., 361.2 m.
KOA, WEEU, WHDH, WRUF.
- 840 kc., 356.9 m.
(Reserved for Canadian Stations)
- 850 kc., 352.7 m.
KIEV, KWKH, WWL.
- 860 kc., 348.6 m.
WABC, WBOQ, WHB.
- 870 kc., 344.6 m.
WENR, WLS.
- 880 kc., 340.7 m.
KFKA, KLX, KPOF, WCOC, WGBI,
WQAN, WSUI.
- 890 kc., 336.9 m.
KSRK, KFNF, KSEI, KUSD, WBAA,
WGST, WILL, WJAR, WMMN.
- 900 kc., 333.1 m.
KGBU, KHJ, WBEN, WJAX, WKY,
WLBL.
- 910 kc., 329.5 m.
(Reserved for Canadian Stations)
- 920 kc., 325.9 m.
KFEL, KOMO, KPRC, KVOD, WAAF,
WBSO, WWJ.
- 930 kc., 322.4 m.
KGBZ, KMA, KROW, WBRC, WDBJ.
- 940 kc., 319.0 m.
KOIN, WAAT, WAVE, WCSH, WDAY,
WHA.
- 950 kc., 315.6 m.
KFWB, KGHL, KMBC, WRC.
- 960 kc., 312.3 m.
(Reserved for Canadian Stations)
- 970 kc., 309.1 m.
KJR, WCFL, WIBG.
- 980 kc., 305.9 m.
KDKA.
- 990 kc., 302.8 m.
WBZ, WBZA, WIEM.
- 1000 kc., 299.8 m.
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.

- 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.
KWJI, WBAL, WIAG, WTIC.
- 1070 kc., 280.2 m.
KJBS, WCAZ, WDW, WTAM.
- 1080 kc., 277.6 m.
WBT, WCBD, WMBI.



Benay Venuta
C. B. S.

- 1090 kc., 275.1 m.
KMOX.
- 1100 kc., 272.6 m.
KGDM, WLWL, WPG.
- 1110 kc., 270.1 m.
KSOO, WRVA.
- 1120 kc., 267.7 m.
KFIO, KFSG, KRKD, KRSC, WDEL,
- WISN, WTAW.
- 1130 kc., 268.3 m.
KSL, WIJD, WOV.
- 1140 kc., 263.0 m.
KVOO, WAPI.
- 1150 kc., 260.7 m.
WHAM.



Jane Froman
N. B. C.

- 1160 kc., 258.5 m.
WOWO, WWVA.
- 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, KBTM, KFJB, KFJD, KFXI, KGDE,
KGEK, KGFJ, KGHJ, KGVO, KMLB,
KOOS, KSUN, KVOS, KWG, WABI,
WBZ, WBHS, WBNO, WCAT, WCAX,
WCLO, WFAM, WFBE, WHBC, WHBY,
WIBX, WIL, WIBC, WJBL, WJWB,
WKBO, WKIC, WLVA, WMPC, WNBO,
WORC, WPHR, WRBL, WSIX, WWAE.



Andre Kostelanetz
C. B. S.

- 1210 kc., 247.8 m.
KASA, KDLR, KFII, KFOR, KFPW, KFVS,
KFXM, KGY, KIEM, KPCC, KWEA, KWFV,
KWTN, WALR, WBAX, WBBL, WBRB,
WCBS, WCRW, WEBQ, WEDC, WFAS,
WGBB, WGCN, WGNV, WHBF, WHBU,
WIBU, WJBY, WJFJ, WJIM, WIW, WKFI,
WKOK, WMBG, WOCL, WOMT, WPRO,
WQDX, WSBC, WSEN, WSOC, WTXA.

- 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.
KGCU, KLP, KAT, KTFI, WKAQ,
WXYZ.
- 1250 kc., 239.8 m.
KFOX, WCAL, WDSU, WGCP, WHBI,
WNEW, WTCN.
- 1260 kc., 238.0 m.
KOIL, KPAC, KRGV, KUOA, WLWB,
WNBX, WTOC.
- 1270 kc., 236.1 m.
KGCA, KOL, KVOR, KWLC, WASH,
WFBR, WIDX, WOOD.
- 1280 kc., 234.2 m.
KFBB, WCAM, WCAP, WDOD,
WIBA, WRR, WTNJ.
- 1290 kc., 232.4 m.
KDYL, KLCN, K TSA, WEBE, WIAS,
WNBZ, WNEL.
- 1300 kc., 230.6 m.
KALE, KPAC, KFJ, KFJR, WBBR, WEVD,
WFAB, WFBC, WHAZ, WIOD, WMAF.
- 1310 kc., 228.9 m.
KCRJ, KFBB, KPFL, KPMP, KFJR, KFYO,
KGBX, KGCG, KGEZ, KGFV, KIT, KMED,
KRMD, K TSM, KXRO, WAML, WBEQ,
WBOW, WBRE, WCLS, WDAH, WEBR,
WEXL, WFBG, WFD, 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,
WSAJ, WTAQ.
- 1340 kc., 233.7 m.
KFPY, KGDY, KGNO, WCOA, WFEA,
WSPD.
- 1350 kc., 222.1 m.
KIDO, KWK, WAWZ, WBX, WEHC.
- 1360 kc., 220.4 m.
KGER, KGIR, KWSC, WFBL, WGES,
WQBC, WSBT.
- 1370 kc., 218.8 m.
KCRK, KERN, KFGO, KFIM, KFIZ, KGAR,
KGPG, KGFL, KGKL, KICA, KLUF,
KMAC, KONO, KRE, KRKO, KSLM, KUI,
KWKC, KWYO, WAGE, WBTM, WCBM,
WDAS, WGL, WGLC, WHBD, WHBO,
WHD, WIBM, WITL, WLIH, WMBR,
WFFB, WQDM, WRAK, WRDO, WRIN,
WSVS.
- 1380 kc., 217.3 m.
KOH, KQV, WALA, WKBH, WSMK.

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

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

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

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,
 WBO, WJMS, WKBI, WLAP, WLBF,
 WLEU, WMAS, WMBC, WMBH, WNRA,
 WPAD, WSPA.

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

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

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

1460 kc., 205.4 m.
 KSTP, WJSV.

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, WJBK, WKBB,
 WKBV, WKBZ, WKEU, WMBQ, WMEK,
 WNBK, WOPI, WPEN, 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	Location
		2000-2100 Kc.	
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.
		2750-2880 Kc.	
W3XAK	5000	National Broadcasting Co.	Portable
W9XAP	2500	National Broadcasting Co.	Chicago, Ill.
W2XBS	5000	National Broadcasting Co.	Bellmore, N. Y.
W9XAL	500	First National Television Corp.	Kansas City, Mo.
W9XG	1500	Purdue University	W. Lafayette, Ind.
W2XAB	500	Atlantic Broadcasting Corp.	New York, N. Y.
		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.
W9XAD	2000	RCA-Victor Co., Inc.	Camden, N. J.
W10XK	50	RCA-Victor Co., Inc. (Vic. of Camden)	Portable & Mobile
W2XDR	1000	Radio Pictures	Long Island City, N. Y.
W8XAN	100	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)
		CP—Construction Permit	

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.
CKBI	1210	Prince Albert, Sask.	0.1
CKMC	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
CFFT	1450	Victoria, B. C.	0.05
CHGS	1450	Summerside, P.E.I.	0.05
CKCR	1510	Waterloo, Ont.	0.1
CFRC	1510	Kingston, Ont.	0.1
MEXICO			
XEAO	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
KEAM	730	Nuevo Laredo, Tams.	0.0075
KELC	740	Col. del Valle, D.F.	0.1
KEBC	760	Agua Caliente, B.C.	5.0
KEYZ	780	Mexico, D. F.	10.0
KFC	810	Aguascalientes, Ags.	0.35
KEP	820	Mexico, D. F.	0.5
KEMO	860	Tijuana, B. C.	2.0
KEW	890	Mexico, D. F.	50.0
KENT	910	Nuevo Laredo, Tams.	150.0
KEFE	920	Nuevo Laredo, Tams.	0.25
KEAA	920	Mexicali, B. C. (temp. suspended)	0.2
KEFO	940	Mexico, D. F.	5.0
KFO	940	Mexico, D. F.	5.0
KEAW	960	Reynosa, Tams.	10.0
KEAE	980	Tijuana, B. C. (temp. suspended)	0.25



Ben Bernie
N. B. C.



Boake Carter
C. B. S.



David Ross
C. B. S.



Maj. Edward Bowes
N. B. C.

Call	Kc.	Location	Kw.
XEK	990	Mexico, D. F.	0.1
XES	990	Tampico, Tams.	0.25
XEOK	1000	Tijuana, B. C. (temp. suspended)	2.5
XEJ	1020	Ciudad Juarez, Chih.	1.0
XEB	1030	Mexico, D. F.	10.0
XEA	1060	Guadalajara, Jal.	0.125
XEAF	1080	Nogales, Son.	.25
XEMA	1080	Tampico, Tams.	0.05
XEFG	1100	Mexico, D. F.	0.25
XEWZ	1150	Mexico, D. F.	0.1
XEH	1150	Monterrey, N. L.	0.25
XED	1160	Guadalajara, Jal.	0.5
XEU	1160	Veracruz, Ver.	0.25
XEE	1210	Durango, Dgo.	0.05
XEFV	1210	Ciudad Juarez, Chih.	0.1
XEMX	1210	Tijuana, B. C.	0.03
XETH	1210	Puebla, Pue.	0.1
XETF	1220	Veracruz, Ver.	0.012
XEFJ	1230	Monterrey, N. L.	0.1
XELA	1240	Saltillo, Coah.	0.05
XEKL	1240	Leon, Gto.	0.5
XEAI	1240	Mexico, D. F.	0.1
XEG	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
XEX	1310	Monterrey, N. L.	0.125
XEAJ	1310	Oaxaca, Oax.	0.015
XECW	1310	Mexico, D. F.	0.01
XEFC	1310	Merida, Yuc.	0.1
XEFW	1310	Tampico, Tams.	0.25
XETB	1310	Torreon, Coah.	0.125
XFA	1310	Aguascalientes, Aqs.	0.005
XFD	1340	Jalapa, Ver.	0.35
XEI	1370	Morelia, Mich.	0.125
XEPZ	1370	Mexico, D. F.	0.1
XEZZ	1370	San Luis Potosi, S. L. P.	0.1
XEAZ	1420	Guanajuato, Gto.	0.007
XEFB	1420	Monterrey, N. L.	0.1
XEFI	1440	Chihuahua, Chih.	0.25
XEFA	...	Tacuba, D. F.	0.5
XETW	...	Mexico, D. F. (temp. suspended)	0.5

MIQUELON

FON	574	St. Pierre	0.25
-----	-----	------------	------

NEWFOUNDLAND

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

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	0.15
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
CMO	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	Cruces	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	Helgata	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



Joe Penner
N. B. C.



Conrad Thibault
N. B. C.



Ted Husing
C. B. S.



Freddie Rich
C. B. S.

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



Eddie Cantor
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
HISE	1304	Santo Domingo	0.01
HIH	1391	San Pedro de Macoris	0.015

HAITI

HHK	920	Port-au-Prince	1.0
-----	-----	----------------	-----

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
-----	------	-------------	--------

NICARAGUA

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

EL SALVADOR

RDN	680	San Salvador	0.5
-----	-----	--------------	-----

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	900	Buenos Aires	12.0
LV9	990	Salta	0.5
LR2	910	Buenos Aires	6.0
LR3	950	Buenos Aires	12.0
LR9	1030	Buenos Aires	5.0



Ray Perkins
C. B. S.

Voice of Experience
C. B. S.

Call	Kc.	Location	Kw.
LT9	1060	Santa Fe	0.2
LT3	1080	Rosario	3.5
LS5	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	0.5
LS11	1430	La Plata	0.7

BOLIVIA

CP4	1040	La Paz	10.0
CPX	1300	La Paz	0.5

BRAZIL

PRF2	725	Rio Claro, S. Paulo	0.25
PRE6	740	Uberaba, Minas Geraes	1.5
PRA2	750	Rio de Janeiro	1.5
PRA8	750	Pernambuco	3.0
PRD9	769	Sorocaba, S. Paulo	0.25
PRD7	788	Sao Paulo	1.0
PRB7	800	Rio de Janeiro	0.5
PRA6	815	Sao Paulo	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 Paulo	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 Paulo	0.25
PRC6	980	Rio de Janeiro	1.0
PRB8	1000	Sao Paulo	0.05
PRB4	1000	Santos, S. Paulo	1.0
PRB9	1017	Sao Paulo	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. Paulo	0.05
PRB6	1170	Cruzeiro do Sul, S. Paulo	0.25
PRC9	1175	Campinas, S. Paulo	0.25
PRD3	1201	Taubate, S. Paulo	0.25
PRF6	1282	Rio de Janeiro	10.0
PRA5	1295	S. Paulo	5.0
PRC4	1304	S. Paulo	0.05
PRE9	1315	Fortaleza, Ceara	0.5
PRE2	1330	Rio de Janeiro	0.5
PRD4	1364	Arraquarea, S. Paulo	0.25
PRC5	1364	Belem, Para	0.1

Call	Kc.	Location	Kw.
PRF7	1380	Campoes, Rio de Janeiro	0.5
PRDS	1400	Rio de Janeiro	0.5
PRE5	1410	Uberaba, M. Geraes	0.25
PRB6	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
CE78	760	Valparaiso	10.0
CE78	785	Santiago	1.0
CE81	810	Valparaiso	1.0
CE82	825	Santiago	1.0
CE88	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
ZP1	770	Asuncion	0.5
ZP9	898	Asuncion	1.5
ZP7	1083	Asuncion	0.7
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
CX4	610	Montevideo	1.0
CX6	650	Montevideo	10.0
CX8	690	Montevideo	0.12
CW9	720	Under construction	1.0
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	1.0
CX44	1410	Montevideo	0.02
CW45	1440	Durazno	0.1
CX46	1450	Montevideo	0.03
CW47	1480	Canelones	0.1
CX48	1490	Montevideo	1.5

VENEZUELA

YVIRC	960	Caracas	5.0
YV11BMO	1034	Maracaibo
YV4RC	1100	Sabana Grande, D.F.
YV17BMO	1153	Maracaibo
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.

E PROGRAM . . .

.. WEDNESDAY ..

.. THURSDAY ..

.. 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. PCI, 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



Florence Austral
Australia



Percy Grainger
Australia



Nina
Alexandryscaya
Russia

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



Olga Velecka
Augustova
Holland



John Amadio
Australia



Nettie Blase
Holland

WORLD SHORT-WAVE STATION LIST—ARRANGED BY COUNTRIES AND CITIES

ABBREVIATIONS FOR CLASS COLUMN

A—Amateur B—Broadcast E—Experimental P—Phone T—Time Signals

NORTH AMERICA

UNITED STATES

Call	Location	Meters	Kc.	Class
KEB	Bolinas, Calif.	40.68	7,370	P
KEZ	Dixon, Calif.	28.83	10,400	P
W6XAJ	Oakland, Calif.	17.33	17,300	E
WNC	Hialeah, Florida	19.91	15,055	P
WND	Hialeah, Florida	73.13	4,100	P
W4XB	Miami Beach, Fla.	49.64	4,040	B
W9XAA	Chicago, Ill.	49.31	6,080	B
W9XF	Chicago, Ill.	49.15	6,100	B
NSS	Annapolis, Md.	24.90	12,045	T
W1XAL	Boston, Mass.	19.67	15,250	B
W1XAL	Boston, Mass.	25.43	11,790	B
W1KK	Springfield, Mass.	31.33	9,570	B
W3XAL	Bound Brook, N. J.	16.86	17,780	B
W3XAL	Bound Brook, N. J.	49.15	6,100	B
WMI	Deal, N. J.	15.10	19,850	P
WOO	Deal, N. J.	34.74	8,630	P
WCN	Lawrenceville, N. J.	59.05	5,077	P
WMA	Lawrenceville, N. J.	22.39	13,390	P
WMN	Lawrenceville, N. J.	20.55	14,590	P
WOO	Ocean Gate, N. J.	17.51	17,110	P
W2XE	Wayne, N. J.	19.64	15,270	B
W2XE	Wayne, N. J.	25.35	11,830	B
W2XE	Wayne, N. J.	48.99	6,120	B
WAJ	Rocky Point, N. Y.	22.24	13,480	E
W2XAC	Schenectady, N. Y.	34.50	8,690	E
W2KAD	Schenectady, N. Y.	19.56	15,330	B
W2KAF	Schenectady, N. Y.	31.46	9,530	B
W8XAL	Cincinnati, Ohio	49.48	6,060	B
W8XL	Dayton, Ohio	17.33	17,300	E
W3XAU	Philadelphia, Pa.	31.26	9,590	B
W3XAU	Philadelphia, Pa.	49.48	6,060	B
W8KK	Pittsburgh, Pa.	13.92	21,540	B
W8KK	Pittsburgh, Pa.	19.72	15,210	B
W8KK	Pittsburgh, Pa.	25.26	11,870	B
W8KK	Pittsburgh, Pa.	48.83	6,140	B
NAA	Arlington, Virginia	24.90	12,045	T
KNRA	Sch. Seth Parker	24.29	12,345	P

CANADA

VE9CA	Calgary, Alta.	49.72	6,030	B
VE9CS	Vancouver, B. C.	49.39	6,070	B
CJRO	Winnipeg, Man.	48.67	6,160	B
CJRX	Winnipeg, Man.	25.59	11,720	B
VE9CL	Winnipeg, Man.	48.75	6,150	B
VE9AS	Fredericton, N. B.	46.67	6,425	B
VE9BJ	St. John, N. B.	49.23	6,090	B
VE9CF	Halifax, N. S.	49.25	6,100	B
VE9CX	Wolfville, N. S.	49.85	6,015	B
VE9GW	Bowmanville, Ont.	25.39	11,810	B
VE9BY	London, Ont.	17.33	17,300	E
VE9EH	Charlottetown, P. E. I.	49.31	6,080	B
CFA	Drummondville, Q.	43.83	6,840	P
VE9BA	Montreal, Que.	19.73	15,190	B

Call	Location	Meters	Kc.	Class
VE9DN	Montreal, Que.	19.82	15,130	B
VE9DN	Montreal, Que.	49.93	6,005	B

MEXICO

XAM	Merida, Yucatan	26.80	11,187	E
XEBT	Mexico, D. F.	49.89	6,010	B
XECR	Mexico, D. F.	40.63	7,380	B
XEAL	Mexico, D. F.	31.23	9,600	B
XETE	Mexico, D. F.	48.91	6,130	B
XECW	Xantocam	50.14	5,980	B

PANAMA

HP5B	Panama City	49.70	6,030	B
------	-------------	-------	-------	---

SOUTH AMERICA

ARGENTINA

LQA	Buenos Aires	30.91	9,700	P
LSF	Buenos Aires	19.14	15,670	P
LSG	Buenos Aires	15.07	19,900	P
LSI	Buenos Aires	30.50	9,830	P
LSN	Buenos Aires	14.27	21,020	P
LSN2	Buenos Aires	30.32	9,890	P
LSX	Buenos Aires	14.49	20,680	P
LSY	Buenos Aires	14.48	20,700	P
LUSCZ	Buenos Aires	42.35	7,080	A, B
LST	Olivos	32.93	9,104	P

BOLIVIA

CP5	La Paz	49.31	6,080	B
CP6	La Paz	32.88	9,120	B
CP7	La Paz	19.60	15,300	P

BRAZIL

PRA8	Pernambuco	49.64	6,040	B
PRA8	Porto Alegre	35.48	8,450	P, B
PPO	Rio de Janeiro	25.70	11,670	E
PRF5	Rio de Janeiro	31.56	9,501	B
PSA	Rio de Janeiro	18.54	16,162	B
PSK	Rio de Janeiro	36.63	8,185	P, B

CHILE

CEC	Santiago	15.23	19,680	P
CEC	Santiago	28.10	10,670	P
CE32	San Andres	31.96	9,380	P

COLOMBIA

HJA3	Barranquilla	20.06	14,940	P
HJ1AB	Barranquilla	46.48	6,450	B
HJ1ABG	Barranquilla	49.62	6,042	B
HJ3	Bogota	20.08	14,930	P
HJ3AB	Bogota	40.48	7,406	B
HJ3ABF	Bogota	47.78	6,275	B
HJ3ABH	Bogota	49.82	6,018	B
HJ3ABI	Bogota	49.56	6,050	B

Call	Location	Meters	Kc.	Class
HKE	Bogota	42.29	7,090	B
HJ5ABC	Cali	48.75	6,150	B
HJ5ABD	Cali	46.20	6,490	B
HJ1ABD	Cartagena	41.18	7,281	B
HJ1ABE	Cartagena	48.99	6,120	B
HJ2ABC	Cucula	51.08	5,870	B
HJ4ABB	Manizales	42.00	7,138	B
HJ4ABL	Manizales	49.15	6,100	B
HJ4ABA	Medellin	25.61	11,712	B
HJ4ABE	Medellin	50.56	5,930	B
HJ4ABC	Pereira	48.13	6,230	B
HJ1ABJ	Santa Marta	50.47	5,940	B
HJ2ABA	Tunja	48.75	6,150	B

ECUADOR

HC2AT	Guayaquil	35.69	8,400	B
HC2J5B	Guayaquil	38.94	7,700	B
HC2RL	Guayaquil	44.97	6,668	B
PRADO	Riobamba	45.32	6,616	B
HCJB	Quito	36.98	8,108	B

PERU

OAX4B	Lima	48.13	6,230	B
OAX4D	Lima	51.87	5,780	B
OA4C	Lima	38.34	7,820	B
OA4R	Lima	41.99	7,140	B

VENEZUELA

YV2RC	Caracas	25.64	11,695	B
YV2RC	Caracas	49.05	6,112	B
YV3RC	Caracas	31.53	9,510	B
YV3RC	Caracas	48.75	6,150	B
YV4RC	Caracas	47.04	6,375	B
YV4RC	Caracas	50.10	5,984	B
YV9RC	El Valle	46.85	6,400	B
YVO	Maracay	44.94	6,672	P
YV2AM	Maracaibo	41.98	7,142	A
YV5RMO	Maracaibo	51.25	5,850	B
YV6RV	Valencia	45.98	6,520	B
YV1ORSC	San Cristobal	52.40	5,740	B

EUROPE

AUSTRIA

EATH	Vienna	37.01	8,100	P
OEJ	Vienna	39.28	7,632	P
OER	Vienna	29.89	10,033	P
OER2	Vienna	49.37	6,072	B
OER3	Vienna	25.41	11,801	B
OEV	Vienna	16.78	17,870	P
OEX	Vienna	23.19	12,931	P

AZORES

CT2AJ	San Miguel	74.92	4,002	A
-------	------------	-------	-------	---

BELGIUM

ORG	Ruyselede	15.61	19,200	B,P
ORK	Ruyselede	29.03	10,330	B,P
ORP	Ruyselede	22.71	13,200	B,P

CZECHOSLOVAKIA

Call	Location	Meters	Kc.	Class
OKI	Podebrady	14.27	21,020	P
OKI	Podebrady	58.27	5,145	B

DENMARK

OXY	Skamlebaek	19.60	15,300	E
OXY	Skamlebaek	31.49	9,495	B
OXY	Skamlebaek	49.48	6,060	B

FRANCE

FYB	Paris	28.32	10,578	T
FYA	Pontoise	19.67	15,243	B
FYA	Pontoise	25.22	11,891	B
FYA	Pontoise	25.57	11,725	B
FTA	Ste. Assise	25.12	11,950	P
FTF	Ste. Assise	38.59	7,770	P
FTI	Ste. Assise	30.47	9,840	P
FTK	Ste. Assise	18.88	15,880	P
FTN	Ste. Assise	24.46	12,260	P

GERMANY

DOA	Doerbertz	41.47	7,230	P
DFA	Nauen	15.58	19,240	P
DJA	Zeesen	31.36	9,560	B
DJB	Zeesen	19.72	15,200	B
DJC	Zeesen	49.80	6,020	B
DJD	Zeesen	25.48	11,770	B
DJE	Zeesen	16.88	17,760	B
DJM	Zeesen	49.37	6,073	B
DJN	Zeesen	31.43	9,540	E
DJO	Zeesen	25.42	11,795	E
DJP	Zeesen	25.31	11,855	E
DJQ	Zeesen	19.62	15,280	B
DJR	Zeesen	19.55	15,340	E
DFC	Zeesen	23.10	12,980	P

HUNGARY

HAS5	Szekesfehervar	17.50	17,122	B
HAS3	Szekesfehervar	19.51	15,370	B
HAT	Szekesfehervar	21.90	13,685	B
HAT4	Szekesfehervar	32.86	9,125	B
HAT2	Szekesfehervar	43.83	6,840	B
HAT	Szekesfehervar	55.52	5,400	B

ICELAND

TFK	Reykjavik	33.13	9,050	B
-----	-----------	-------	-------	---

ITALY

IAC	Coltano	16.89	17,750	P
IAF	Fiumicino	10.06	29,817	E
I2RO	Rome	25.39	11,810	B
I2RO	Rome	31.07	9,650	B
IBEJ	S.S. Conte Rosso	70.00	4,283	P
ICEL	S.S. Rex	70.00	4,283	P
IDLI	S.S. Conti di Savoia	70.00	4,283	P
IDBK	S.S. Elettra	26.14	11,470	E

MADEIRA

CT3AO	Funchal	26.82	11,180	B
CT3AO	Funchal	32.00	9,370	B

THRILLS ON THE AIR **TUNG-SOL** GETS YOUR SHARE

NETHERLANDS

Call	Location	Meters	Kc.	Class
PI1J	Dordrecht	42.34	7,082	A, B
PCJ	Eindhoven	19.70	15,220	E
PHI	Huizen	25.56	11,730	B
PCK	Kootwijk	16.29	18,400	P
PDV	Kootwijk	24.87	12,060	P
PGA	Kootwijk	38.29	7,830	P

NORWAY

LGN	Bergen	31.23	9,600	P
LKJ1	Jeløy	31.43	9,540	E

PORTUGAL

CT1AA	Lisbon	31.23	9,600	B
CT1CT	Lisbon	24.82	12,082	B
CT1CT	Lisbon	79.95	3,750	B
CT1GO	Parede	24.19	12,396	B
CT1GO	Parede	48.38	6,198	B

POLAND

SRI	Poznan	31.33	9,570	B
-----	--------	-------	-------	---

ROUMANIA

YOI	Bucharest	21.52	13,940	B
YOI	Bucharest	49.97	6,000	B

SPAIN

EAJ2S	Barcelona	49.97	6,000	B
EHY	Madrid	29.77	10,070	E
EAQ	Madrid	30.41	9,860	B
EAR110	Madrid	42.98	6,976	B
EAR125	Madrid	42.71	7,020	B

SWITZERLAND

HB9B	Basle	42.12	7,118	B
HB9B	Basle	79.53	3,770	B
HE90C	Berne	31.98	9,375	P
HBP	Geneva	38.49	7,790	B
HBL	Geneva	31.28	9,585	B
HEJ	Geneva	20.63	14,535	P
HBO	Prangins	24.93	12,030	P

UNITED KINGDOM

GBJ	Bodmin	16.10	18,620	P
GSA	Daventry	49.56	6,050	B
GSE	Daventry	31.53	9,510	B
GSC	Daventry	31.30	9,580	B
GSD	Daventry	25.52	11,750	B
GSE	Daventry	25.28	11,860	B
GSF	Daventry	19.80	15,140	B
GSG	Daventry	16.85	17,790	B
GSH	Daventry	13.96	21,470	B
GSI	Daventry	19.65	15,260	B
GSJ	Daventry	13.93	21,530	B
GSL	Daventry	49.07	6,110	B
GAU	Rugby	16.10	18,620	P
GAW	Rugby	16.47	18,200	P
GBA	Rugby	14.71	20,380	P
GBC	Rugby	17.55	17,080	P
GBP	Rugby	27.84	10,770	P
GBO	Rugby	22.29	13,450	P
GBS	Rugby	24.48	12,250	P
GBU	Rugby	13.45	22,291	P
GBU	Rugby	24.40	12,290	P

U. S. S. R.

Call	Location	Meters	Kc.	Class
RCAD	Minsk	46.70	6,420	P
RKI	Moscow	19.93	15,040	P
RW50	Moscow	36.70	8,170	B
RW59	Moscow	24.99	12,000	B
RW59	Moscow	49.97	6,000	B
RW72	Moscow	45.35	6,611	B

VATICAN STATE

HVJ	Vatican City	19.83	15,123	B
HVJ	Vatican City	50.23	5,969	B

YUGOSLAVIA

—	Belgrade	29.98	10,000	B
---	----------	-------	--------	---

AFRICA

ALGERIA

F8KR	Constantine	45.02	6,660	B
------	-------------	-------	-------	---

BELGIAN CONGO

OPL	Leopoldville	14.96	20,040	P
OPM	Leopoldville	29.57	10,140	P

BRITISH EAST AFRICA

VQ7LO	Nairobi, Kenya	31.18	9,616	B
VQ7LO	Nairobi, Kenya	49.48	6,060	B

CANARY ISLANDS

EA8AB	Tenerife	41.60	7,207	B
-------	----------	-------	-------	---

EGYPT

SUV	Cairo	29.84	10,055	P
SUV	Cairo	31.33	9,570	B
SUX	Cairo	38.06	7,867	P

MADAGASCAR

—	Tananarive	49.97	6,000	B
FIQA	Tananarive	52.67	5,692	B

ANGOLA

CR6AA	Lobita	41.70	7,177	B
-------	--------	-------	-------	---

MOROCCO

CNR	Rabat	23.37	12,830	B
CNR	Rabat	32.24	9,300	B
CNR	Rabat	37.32	8,035	B

MOZAMBIQUE

CR7AA	Lourenço Marques	84.63	3,543	B
-------	------------------	-------	-------	---

PORTUGUESE WEST AFRICA

CR6AA	Lobita, Angola	41.78	7,177	B
-------	----------------	-------	-------	---

REUNION ISLAND

—	St. Denis	49.97	6,000	B
---	-----------	-------	-------	---

UNION OF SOUTH AFRICA

ZTJ	Johannesburg	40.96	7,320	B
ZTJ	Johannesburg	49.17	6,098	B
ZSS	Klipheuevel	15.87	18,890	P

Call	Location	Meters	Kc.	Class	Call	Location	Meters	Kc.	Class
ASIA					Call				
CHINA					Location				
Call	Location	Meters	Kc.	Class	Call	Location	Meters	Kc.	Class
ZBW	Hong Kong	34.20	8,750		HI1A	Santiago de los Caballeros	47.80	6,272	B
XG0X	Nanking	16.84	17,800	B	HI1A	Santiago de los Caballeros	48.45	6,188	B
XGBA	Shanghai	13.91	21,550	B	VIRGIN ISLANDS				
XGBD	Shanghai	31.30	9,580	B	WTDW	St. Croix	69.81	4,295	E
XOAJ	Shanghai	52.97	5,660	B	WTDX	St. John	69.81	4,295	E
CON	Macao (Portuguese)	49.37	6,073	B	WTDV	St. Thomas	69.81	4,295	E
INDIA					NETHERLANDS EAST INDIES				
VUB	Bombay	31.34	9,565	B	PNI	Makassar, Celebes	34.17	8,775	P,B
VUC	Calcutta	25.26	11,870	B	PKYDA2	Bandoeng, Java	48.99	6,120	B
VUC	Calcutta	49.07	6,110	B	PLE	Bandoeng, Java	15.92	18,830	P
VWY	Kirkee	17.11	17,510	P	PLP	Bandoeng, Java	27.26	11,000	P,B
VWY	Kirkee	33.40	8,975	P	PLV	Bandoeng, Java	31.84	9,415	P,B
IRAQ					PMA	Bandoeng, Java	15.49	19,345	P,B
YID	Bagdad	67.07	4,470	B	PMC	Bandoeng, Java	16.53	18,135	P,B
JAPAN					PMN	Bandoeng, Java	29.22	10,260	P,B
JVH	Nazaki	20.54	14,600	P	PMY	Bandoeng, Java	58.33	5,140	B
JVM	Nazaki	27.92	10,740	P,B	YDB	Soerabaja, Java	67.07	4,470	B
JVN	Nazaki	28.12	10,660	B	YDE2	Solo, Java	62.33	4,810	B
JVP	Tokio	39.92	7,510	B	YDL2	Solo, Java	62.33	4,810	B
JVT	Nazaki	44.42	6,750	P,B	YDA	Tandjongpriok, Java	98.62	3,040	B
JES	Osaki	19.20	15,620	P,B	YDA	Tandjongpriok, Java	49.64	6,040	B
JIC	Taihoku, Formosa	50.90	5,890	P	YBG	Medan, Sumatra	28.75	10,430	P,B
FEDERATED MALAY STATES					YDU2	Medan, Sumatra	65.18	4,600	B
ZGE	Kuala Lumpur	48.90	6,132	B	SIAM				
ZHI	Singapore	49.87	6,012	B	HSP	Bangkok	16.90	17,740	P
ZHJ	Penang, Straits Settlements	49.31	6,080	B	HSJ	Bangkok	37.57	7,980	P
FRENCH INDO-CHINA					HSP2	Bangkok	31.56	9,500	B
FZS2	Saigon	25.01	11,991	P	HSP2	Bangkok	31.10	9,640	B
FZS3	Saigon	16.34	18,345	P	SIBERIA (U. S. S. R.)				
FZR3	Saigon	18.49	16,214	P	RSZ	Irkutsk	34.19	8,770	P
NETHERLANDS EAST INDIES					RW15	Khabarovsk	70.17	4,273	B
PNI	Makassar, Celebes	34.17	8,775	P,B	RW15	Khabarovsk	34.98	8,570	P
PKYDA2	Batavia, Java	69.24	4,330	B	RAU	Tashkent	19.86	15,104	P
	Bandoeng, Java	48.99	6,120	B	RIM	Tashkent	39.31	7,626	P
WEST INDIES					OCEANIA				
BAHAMA ISLANDS					AUSTRALIA				
ZF8	Nassau	66.45	4,512	P	VK3LR	Lyndhurst, Victoria	31.30	9,580	B
BERMUDA					VK3LR	Lyndhurst, Victoria	51.69	5,800	E
ZFA	Bermuda	59.67	5,025	P	VK3ME	Melbourne	31.53	9,510	B
ZFD	Hamilton	29.01	10,335	E	VK2ME	Sydney	31.26	9,590	B
ZFB	St. George	29.84	10,053	P	VLJ	Sydney	30.72	9,760	P
CUBA					VLK	Sydney	28.48	10,525	P
COC	Havana	49.89	6,010	B	VLZ	Sydney	37.67	7,960	P
COH	Havana	31.80	9,428	B	NEW ZEALAND				
CMHB	Sanctus Spiritus	29.39	10,200	B	ZL3ZC	Christchurch	49.97	3,000	B
CO9GC	Santiago	48.75	6,150	B	ZLT	Wellington	24.39	12,295	P
DOMINICAN REPUBLIC					ZL2XX	Wellington	62.86	4,770	P
HI3C	La Romana	43.45	6,900	B	ZL2ZK	Wellington	49.48	6,060	B
HIX	Santo Domingo	50.14	5,980	B	FIJI ISLANDS				
HIZ	Santo Domingo	47.48	6,315	B	VPE	Labasa, Vanua Levu	43.77	6,850	E
HI4D	Santo Domingo	46.25	6,482	B	VQL	Savu Savu, Vanua Levu	43.77	6,850	E
HIH	San Pedro de Macoris	44.00	6,814	B	VPD	Suva, Viti Levu	38.00	7,890	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

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
1712	Police	9500-9600	Broadcast
1715-1875	Amateurs, c.w. (code)	11370-11400	Coast 'phone
1875-2000	Amateurs, 'phone	11700-11900	Short-wave Broadcast
2000-2300	Television	12330	Aviation
2316	Aviation	12855-12870	Experimental
2340-2410	Aviation, ship service, etc.	13185-13260	Ship 'phone
2410-2430	Police	14000-14150	Amateurs, c.w. (code)
2440-2470	Police	14150-14250	Amateurs, 'phone
2470-2490	Aviation	14250-14400	Amateurs, c.w. (code)
2504-2508	State Police	15100-15340	Short-wave Broadcast
2610-2650	Aviation	16440	Aviation
2750-2850	Television	17080-17120	Coast 'phone
2850-3100	Aviation and Government	17300-17320	Experimental
3125-3150	Ship 'phone	17600-17640	Ship 'phone
3155-3265	Government and Aviation	17750-17810	Short-wave Broadcast
3420-3440	Coast 'phone	21460-21540	Short-wave Broadcast
3445-3490	Government and Aviation	22675-22725	Coast 'phone
3490-3495	Experimental	23100	Experimental
3500-3900	Amateurs, c.w. (code)	23700	Experimental
3900-4000	Amateurs, 'phone	26000	Experimental
4110-4130	Aviation	27100	Experimental
4175-4200	Ship 'phone	28000-30000	Amateurs, c.w. (code)
4750-4775	Coast 'phone	34800	Experimental
4795-4800	Experimental	41000	Experimental
4815-4920	Aviation	43000-46000	Television
5375-5380	Aviation	48500-50300	Television
5565-5695	Aviation and Government	51000-53000	Experimental, Government
6010-6150	Short-wave Broadcast	51400	Experimental
6420-6430	Experimental	56000-60000	Amateurs, 'phone
6400-6480	Coast 'phone	60000-80000	Television
6490-6640	Aviation	80000-400000	Experimental
6650-6670	Ship 'phone	400000-401000	Amateurs, c.w. (code)
		401000-above	Experimental

SHIPS CALL LETTERS AND FREQUENCY BANDS

CALLS OF PRINCIPAL SHIPS		FREQUENCY BANDS USED BY SHIPS	
Call	Ship	Call	Kilocycles
FNSK	Normandie	FNSM	Ile de France
ICEJ	Rex	DDBR	S. S. Berlin
DDAS	S. S. Bremen	JIAA	Kemikawa-Cho, Japan
DDAC	S. S. Europa	DDCB	S. S. Columbus
GLFWV	S. S. Majestic	DDCG	S. S. Resolute
GLSQ	S. S. Olympic	DDCP	S. S. Cap Polonio
GMIJQ	S. S. Belgeland	DDDX	S. S. Hamburg
GDLJ	S. S. Homeric	DDCA	S. S. Cap Arcona
VTXK	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.
CTIAA—Av. Duque de Avila, 86 r/c, Lisbon, Portugal.
OXY—Statsradiofonien, Heibergsgade 7, Copenhagen, Denmark.
PHI—PHOH Studios, Hilversum, Holland.
RV59—Miss Inna Merr, Radio Centre, Solianka 12, Moscow, U. S. S. R.
IAC—Mr. A. Nicastro, Coliano, 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.
HJCJB—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.
HJ1ABB—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.
CBC—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.
W9XB—North Wacker Drive, Chicago, Ill.
W8XAL—Crosley Radio Corp., Cincinnati, Ohio.
W4XB—Mr. Jesse Jay, Miami Beach, Florida.
W8XX—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.
CRXC—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 of l'office des Postes, Rabat, Morocco.
VQ7LO—P. O. Box 777, Nairobi, Kenya Colony, Africa.
OPM—Radio Leopoldsville, 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
CQA-CRZ	Portuguese Colonies	Q	(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	
EIA-EIZ	Irish Free State	SVA-SZZ	Greece
ELA-ELZ	Liberia	TAA-TCZ	Turkey
EPA-EOZ	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- torates
F	France and Colonies and Protectorates	U	U. S. S. R.
G	Great Britain	VAA-VGZ	Canada
HAA-HAZ	Hungary	VHA-VMZ	Australia
HBA-HBZ	Switzerland	VOA-VOZ	Newfoundland
HCA-HCZ	Ecuador	VPA-VSZ	British Colonies and Protectorates
HHA-HHZ	Haiti	VTA-VWZ	British India
HIA-HIZ	Dominican Republic	VXA-VYZ	Canada
HJA-HKZ	Colombia	W	United States of America
HPA-HPZ	Republic of Panama	XAA-XFZ	Mexico
HRA-HRZ	Honduras	XGA-XUZ	China
HSA-HSZ	Siam	XYA-XZZ	British India
HVA-HVZ	Vatican City	YAA-YAZ	Afghanistan
HZA-HZZ	Saudi Arabia	YBA-YHZ	Dutch East Indies
I	Italy and Colonies	YIA-YIZ	Iraq
J	Japan	YJA-YJZ	New Hebrides
K	United States of America	YLA-YLZ	Latvia
LAA-LNZ	Norway	YMA-YMZ	Free City of Danzig
LOA-LWZ	Argentina	YNA-YNZ	Nicaragua
LXA-LXZ	Luxemburg	YOA-YRZ	Roumania
LYA-LYZ	Lithuania	YSA-YSZ	Republic of El Salvador
LZA-LZZ	Bulgaria	YTA-YUZ	Yugoslavia
M	Great Britain	YVA-YWZ	Venezuela
N	United States of America	ZAA-ZAZ	Albania
OAA-OCZ	Peru	ZBA-ZJZ	British Colonies and Protectorates
OEA-OEZ	Austria	ZKA-ZMZ	New Zealand
OFA-OHZ	}	ZPA-ZPZ	Paraguay
OIA-OJZ		Finland	ZSA-ZUZ
OKA-OKZ	Czechoslovakia	ZVA-ZZZ	Brazil
ONA-OTZ	Belgium and Colonies		

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

