

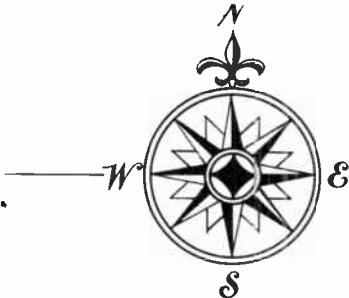
AROUND THE WORLD WITH

TUNG·SOL

WORLD RADIO LOG

25¢





TUNG-SOL

WORLD RADIO LOG

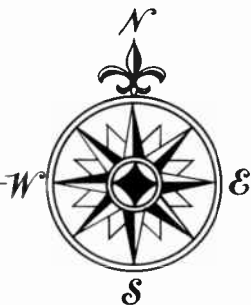
How to Get the Best That's on the Air at Home and Abroad

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.

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UNITED STATES BROADCASTING STATIONS

ALPHABETICALLY BY CALL LETTERS



Lawrence Tibbett
N. B. C.



Alexander Woolcott
C. B. S.



Fred Astaire
N. B. C.



Peg La Centra
N. B. C.

Call	Kc.	Location	Kw.	Call	Kc.	Location	Kw.
KABC	1420	San Antonio, Texas	.1	KFRU	630	Columbia, Mo.	.5
KABR	1420	Aberdeen, S. D.	.1	KFSO	600	San Diego, Calif.	1.
KADA	1200	Ada, Okla.	.1	KFSG	1120	Los Angeles, Calif.	.5
KALB	1420	Alexandria, La.	.1	KFUO	550	Clayton, Mo.	.5
KALE	1300	Portland, Ore.	.5	KFVD	1000	Los Angeles, Calif.	.25
KANS	1210	Wichita, Kans.	.1	KFVS	1210	Cape Girardeau, Mo.	1.
KARK	890	Little Rock, Ark.	.25	KFWB	950	Hollywood, Calif.	.1
KASA	1210	Elk City, Okla.	.1	KFKD	1200	Nampa, Idaho	.1
KAST	1370	Astoria, Ore.	.1	KFKJ	1200	Grand Junction, Colo.	.1
KBIX	1500	Muskogee, Okla.	.1	KFKM	1210	San Bernardino, Calif.	.1
KBPS	1420	Portland, Ore.	.1	KFKR	1310	Oklahoma City, Okla.	.1
KBTM	1200	Jonesboro, Ark.	.1	KFYO	1310	Lubbock, Texas	.1
KCMC	1420	Texarkana, Ark.	.1	KFYR	550	Bismarck, N. Dakota	1.
KCRS	1370	Kansas City, Mo.	.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.	KGCA	1270	Decorah, Iowa	.1
KDLR	1210	Devils Lake, N. Dak.	.1	KGCU	1240	Mandan, N. Dakota	.25
KDON	1210	Del Monte, Calif.	.1	KGCK	1310	Wolf Point, Montana	.1
KDYL	1290	Salt Lake City, Utah	1.	KGDE	1200	Fergus Falls, Minn.	.1
KECA	1430	Los Angeles, Calif.	1.	KGDM	1100	Stockton, Calif.	1.
KEHE	780	Los Angeles, Calif.	.5	KGDY	1340	Huron, S. Dak.	.25
KELD	1370	N. El Dorado, Ark.	.1	KGEE	1200	Sterling, Colo.	1.
KELW	780	Burbank, Calif.	.5	KGER	1360	Long Beach, Calif.	1.
KERN	1370	Bakersfield, Calif.	.1	KGEZ	1310	Kalispell, Mont.	.1
KEX	1180	Portland, Ore.	5.	KGFF	1420	Shawnee, Okla.	.1
KFAB	770	Lincoln, Nebr.	10.	KGFG	1370	Oklahoma City, Okla.	.1
KFAC	1300	Los Angeles, Calif.	1.	KGFJ	1500	Corpus Christi, Texas	.1
KFBB	1280	Great Falls, Montana	1.	KGFJ	1203	Los Angeles, Calif.	.1
KFBI	1050	Abilene, Kansas	5.	KGFK	1500	Moorhead, Minn.	.1
KFBK	1490	Sacramento, Calif.	5.	KGFL	1370	Roswell, N. Mex.	.1
KFDM	560	Beaumont, Texas	.5	KGFW	1310	Kearney, Nebr.	.1
KFDY	780	Brookings, South Dak.	1.	KGFX	630	Pierre, S. Dak.	.2
KFEL	920	Denver, Colo.	.5	KGCC	1420	San Francisco, Calif.	.1
KFEO	680	St. Joseph, Mo.	2.5	KGCF	1010	Colfeyville, Kansas	1.
KFGO	1370	Boone, Iowa	.1	KGCM	1230	Albuquerque, N. Mex.	.25
KFH	1300	Wichita, Kansas	50.	KGHN	1320	Pueblo, Colo.	.5
KFI	640	Los Angeles, Calif.	50.	KGHI	1200	Little Rock, Ark.	.1
KFIO	1120	Spokane, Wash.	.1	KGHR	780	Billings, Mont.	1.
KFIZ	1420	Fond du Lac, Wis.	.1	KGIR	1340	Butte, Mont.	1.
KFJB	1203	Marshalltown, Iowa	.1	KGIV	1420	Alamosa, Colo.	.1
KFJI	1210	Klamath Falls, Ore.	.1	KGKB	1500	Tyler, Texas	1.
KFJM	1370	Grand Forks, N. Dak.	.1	KGKL	1370	San Angelo, Texas	1.
KFJR	1300	Portland, Ore.	.5	KGKO	570	Wichita Falls, Texas	.25
KFJZ	1370	Fort Worth, Texas	.1	KGKY	1500	Scottsbluff, Nebraska	1.
KFKA	880	Greeley, Colo.	.5	KGMB	1320	Honolulu, Hawaii	.25
KFKU	1220	Lawrence, Kansas	1.	KGNC	1410	Amarillo, Texas	1.
KFNF	890	Shenandoah, Iowa	.5	KGNF	1430	North Platte, Nebr.	1.
KFOR	1210	Lincoln, Nebr.	.1	KGNO	1340	Dodge City, Kansas	.25
KFOX	1210	Grand Beach, Calif.	.1	KGQ	790	San Francisco, Calif.	7.5
KFPL	1310	Dublin, Texas	.1	KGU	750	Honolulu, Hawaii	2.5
KFPW	1210	Ft. Smith, Ark.	.1	KGVO	1260	Honolulu, Hawaii	1.
KFPY	890	Spokane, Wash.	1.	KGW	620	Portland, Ore.	1.
KFOD	780	Anchorage, Alaska	.25	KGY	1210	Olympia, Wash.	.1
KFRS	610	San Francisco, Calif.	1.	KHBC	1400	Hilo, Hawaii	.25
KFRO	1370	Longview, Texas	.1	KHJ	900	Los Angeles, Calif.	1.

KIR
 KIT
 KIUL
 KIUN
 KIUP
 KJRS
 KJBS
 KLCN
 KLO
 KLPM
 KLRA
 KLS
 KLUF
 KLK
 KLZ
 KMA
 KMAC
 KMBC
 KMED
 KMJ
 KMLB
 KMMJ
 KMO
 KMOX
 KMPC
 KMTR
 KNET
 KNOV
 KNX
 KOA
 KOAC
 KOB
 KOIL
 KOIN
 KOL
 KOMA
 KOMO
 KONO
 KOOS
 KORE
 KOTN
 KOY
 KPAC
 KPDN
 KPLC
 KPC
 KPOF
 KPFC
 XPO
 XPFC
 KOV
 KOW
 KRE
 KRGV
 KRKD
 KRKO
 KRRC

Call	Kc.	Location	Kw.
KHO	590	Spokane, Wash.	1.
KHSL	950	Chico, Calif.	.25
KICA	1370	Chico, N. Mex.	.1
KID	1320	Idaho Falls, Idaho	.25
KIDO	1350	Boise, Idaho	1.
KIDW	1420	Lamar, Idaho	.1
KIEM	1450	Eureka, Calif.	.5
KIEV	850	Glendale, Calif.	.25
KINY	1310	Juneau, Alaska	.1
KIT	1310	Yakima, Wash.	.1
KIUL	1210	Garden City, Kans.	.1
KIUN	1420	Pecos, Texas	.1
KIUP	1370	Durango, Colo.	.1
KJRS	1070	San Francisco, Calif.	.5
KJBS	970	Seattle, Wash.	.5
KLCN	1290	Blytheville, Ark.	.1
KLO	1400	Ogden, Utah	.5
KLPM	1240	Minot, N. Dakota	.25
KLRA	1390	Little Rock, Ark.	1.
KLS	1440	Oakland, Calif.	.25
KLUF	1370	Galveston, Texas	.1
KLK	880	Oakland, Calif.	1.
KLZ	560	Denver, Colo.	1.
KMA	930	Shenandoah, Iowa	1.
KMAC	1370	San Antonio, Texas	.1
KMBC	950	Kansas City, Mo.	1.
KMED	1410	Medford, Ore.	.25
KMJ	580	Fresno, Calif.	1.
KMLB	1200	Monroe, La.	1.
KMMJ	740	Clay Center, Nebr.	1.
KMO	1330	Tacoma, Wash.	.25
KMOX	1090	St. Louis, Mo.	50.
KMPC	710	Beverly Hills, Calif.	.5
KMTR	570	Los Angeles, Calif.	1.
KNET	1500	Brady, Texas	1.
KNOV	1420	Palestine, Texas	1.
KNX	1050	Los Angeles, Calif.	50.
KOA	830	Denver, Colo.	50.
KOAC	550	Corvallis, Ore.	1.
KOB	1180	Albuquerque, N. Mex.	10.
KOIL	1380	Reno, Nev.	.5
KOIN	1260	Omaha, Nebr.	1.
KOL	940	Portland, Ore.	1.
KOMA	1270	Seattle, Wash.	1.
KOMO	980	Oklahoma City, Okla.	5.
KONO	1420	Seattle, Wash.	1.
KOOS	1370	San Antonio, Texas	.1
KORE	1390	Marshallfield, Ore.	.25
KOTN	1500	Eugene, Ore.	1.
KOY	1420	Pine Bluff, Ark.	.1
KPAC	1390	Phoenix, Ariz.	.5
KPDN	1260	Port Arthur, Texas	.5
KPLC	1310	Pampa, Texas	.1
KPC	1500	Lake Charles, La.	.1
KPOF	680	San Francisco, Calif.	50.
KPFC	880	Denver, Colo.	.5
XPO	1210	Pasadena, Calif.	.1
XPFC	1500	Wenatchee, Wash.	.1
KOV	920	Houston, Texas	1.
KOW	1380	Pittsburgh, Pa.	.5
KRE	1010	San Jose, Calif.	1.
KRGV	1370	Berkeley, Calif.	.1
KRKD	1260	Weslaco, Texas	.5
KRKO	1120	Los Angeles, Calif.	.5
KRRC	1370	Everett, Wash.	.05
KRLC	1420	Lewiston, Idaho	.1

Call	Kc.	Location	Kw.
KRLD	1040	Dallas, Texas	10.
KRLH	1420	Midland, Texas	.1
KRMD	1310	Shreveport, La.	.1
KRNR	1500	Roseburg, Ore.	.1
KRNT	1320	Des Moines, Iowa	.5
KROC	1310	Rochester, Minn.	.1
KROW	930	Oakland, Calif.	1.
KROA	1310	Santa Fe, N. Mex.	.1
KRSK	1120	Seattle, Wash.	.1
KRSC	580	Manhattan, Kan.	.5
KSCJ	1330	Sioux City, Iowa	1.
KSD	550	St. Louis, Mo.	1.
KSEI	900	Pocatello, Idaho	.25
KSFO	560	San Francisco, Calif.	1.
KSL	1130	Salt Lake City, Utah	50.
KSLM	1370	Lake, Ore.	.1
KSO	1430	Des Moines, Iowa	.5
KSOO	1110	Sioux Falls, S. Dakota	2.5
KSTP	1460	St. Paul, Minn.	10.
KSNUN	1200	Lowell, Ariz.	.1
KTAR	620	Phoenix, Ariz.	1.
KTAT	1240	Fort Worth, Texas	1.
KTBS	1450	Shreveport, La.	1.
KTFI	1240	Twin Falls, Idaho	1.
KTHS	1040	Hot Springs N. P., Ark.	10.
KTRB	740	Modesto, Calif.	.25
KTRH	1290	Houston, Texas	1.
KTSA	550	San Antonio, Texas	1.
KTSM	1310	El Paso, Texas	.1
KTUL	1400	Tulsa, Okla.	.5
KTW	1220	Seattle, Wash.	1.
KUJ	1370	Walla Walla, Wash.	.1
KUMA	1420	Yuma, Ariz.	.1
KUOA	1265	Siloam Springs, Ark.	1.
KUSD	890	Vermillion, S. D.	.5
KVI	570	Tacoma, Wash.	1.
KVL	1370	Seattle, Wash.	.1
KVOA	1260	Tucson, Ariz.	.5
KVOD	920	Denver, Colo.	.5
KVOE	1500	Santa Ana, Calif.	.1
KVOL	1310	Lafayette, La.	.1
KVOO	1140	Tulsa, Okla.	.25
KVOR	1270	Colorado Spgs., Colo.	1.
KVOS	1200	Bellingham, Wash.	.1
KVSO	1200	San Diego, Calif.	.1
KVSO	1210	Ardmore, Okla.	.1
KWBG	1420	Hutchinson, Kans.	.1
KWG	1200	Stockton, Calif.	.1
KWJJ	1060	Portland, Ore.	.5
KWK	1350	St. Louis, Mo.	1.
KWKH	850	Shreveport, La.	10.
KWLC	1270	Decorah, Iowa	.1
KWSC	1220	Pullman, Wash.	1.
KWTN	1210	Watertown, S. Dak.	.1
KWTO	560	Springfield, Mo.	1.
KWYO	1370	Sheridan, Wyo.	.1
KXA	760	Seattle, Wash.	.25
KXL	1420	Portland, Ore.	.1
KXO	1500	El Centro, Calif.	.1
KXRO	1310	Aberdeen, Wash.	.1
KXYZ	1440	Houston, Texas	1.
KYA	1230	San Francisco, Calif.	1.
KYW	1020	Philadelphia, Pa.	10.
WAAB	1410	Boston, Mass.	.5
WAAP	920	Chicago, Ill.	1.
WAAT	940	Jersey City, N. J.	.5
WAAW	660	Omaha, Nebr.	.5



Joe Cook
N. B. C.



Muriel Wilson
N. B. C.



Jessica Dragonette
C. B. S.



Emery Deutsch
C. B. S.



Dr. Walter Damosch
N. B. C.



Ruth Etting
N. B. C.



Jesse Block and
Eve Sully
C. B. S.



Phil Baker
C. B. S.

Call	Kc.	Location	Kw.	Call	Kc.	Location	Kw.
WABC } WBOC }	860	New York, N. Y.	50.	WCNW	1500	Brooklyn, N. Y.	.1
WABI	1200	Bangor, Maine	.1	WCOA	1340	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	Tallmadge, Ohio	1.	WCOP	1120	Boston, Mass.	.5
WAGF	1370	Dothan, Ala.	.25	WCFO	1200	Cincinnati, Ohio	.1
WAGM	1420	Presque Isle, Maine	.1	WCRW	1210	Chicago, Ill.	.1
WAIM	1200	Anderson, S. C.	.1	WCSC	1360	Charleston, S. C.	.5
WALA	1380	Mobile, Ala.	.5	WCSH	940	Portland, Maine	1.
WALR	1210	Zanesville, Ohio	.1	WDAE	1220	Tampa, Fla.	1.
WAML	1310	Laurel, Miss.	.1	WDAH	610	Kansas City, Mo.	1.
WAPI	1140	Birmingham, Ala.	5.	WDAS	1310	El Paso, Texas	.1
WARD	1400	Brooklyn, N. Y.	.5	WDAS	1370	Philadelphia, Penna.	.1
WASH	1270	Grand Rapids, Mich.	.5	WDAY	940	Fargo, N. Dakota	1.
WATL	1370	Atlanta, Ga.	.1	WDEJ	930	Roanoke, Va.	1.
WATR	1190	Waterbury, Conn.	.1	WDEB	580	Orlando, Fla.	1.
WAVE	940	Louisville, Ky.	1.	WDEL	1120	Wilmington, Del.	.25
WAWZ	1350	Zarephath, N. J.	.5	WDEV	550	Waterbury, Vt.	.5
WAZL	1420	Hazleton, Penna.	.1	WDGY	1180	Minneapolis, Minn.	1.
WBAA	890	West Lafayette, Ind.	1.	WDNC	1500	Durham, N. C.	.1
WBAL	1060	Baltimore, Md.	10.	WDOD	1283	Chattanooga, Tenn.	1.
WBAP	800	Fort Worth, Texas	50.	WDRC	1330	Hartford, Conn.	1.
WBAX	1210	Wilkes-Barre, Penna.	.1	WDSU	1250	New Orleans, La.	1.
WBBC	1400	Brooklyn, N. Y.	.5	WDZ	1023	Tuscola, Ill.	.25
WBBL	1210	Richmond, Va.	50.	WEAF	660	New York, N. Y.	50.
WBMM	770	Chicago, Ill.	1.	WEAN	783	Providence, R. I.	.5
WBRR	1303	Brooklyn, N. Y.	1.	WEBC	1290	Superior, Wis.	1.
WBBZ	1200	Ponca City, Okla.	.5	WEBO	1210	Harrisburg, Ill.	.1
WBGM	1410	Bay City, Mich.	1.	WEBR	1310	Buffalo, N. Y.	.1
WBEN	900	Buffalo, N. Y.	1.	WEDC	1210	Chicago, Ill.	.1
WBEO	1310	Marquette, Mich.	.5	WEED	1420	Rocky Mount, N. C.	.1
WBIG	1440	Greensboro, N. C.	.5	WEEI	590	Boston, Mass.	1.
WBNO	1200	New Orleans, La.	.5	WEEU	830	Reading, Penna.	1.
WBNS	1430	Columbus, Ohio	.5	WEHS	1420	Cicero, Ill.	1.
WBXK	1350	New York, N. Y.	.1	WELI	903	New Haven, Conn.	.5
WBNY	1370	Buffalo, N. Y.	.1	WELL	1423	Battle Creek, Mich.	.1
WBOW	1310	Terre Haute, Ind.	.1	WEMP	1210	Milwaukee, Wisc.	.1
WBRR	1210	Red Bank, N. J.	1.	WENR	870	Chicago, Ill.	50.
WBRC	930	Birmingham, Ala.	1.	WEOA	1370	Evansville, Ind.	.1
WBRE	1310	Wilkes-Barre, Pa.	1.	WESG	1040	Elmira, N. Y.	1.
WBT	1080	Charlotte, N. C.	50.	WEST	1200	Easton, Pa.	.1
WBTM	1370	Danville, Va.	1.	WEVD	1300	New York, N. Y.	1.
WBZ	990	Boston, Mass.	50.	WEW	760	St. Louis, Mo.	1.
WBZA	990	Boston, Mass.	1.	WEXL	1310	Royal Oak, Mich.	.05
WCAD	1220	Canton, N. Y.	.5	WFAA	800	Dallas, Texas	50.
WCAE	1220	Pittsburgh, Pa.	1.	WFAB	1300	New York, N. Y.	1.
WCAL	1253	Northfield, Minn.	1.	WFAM	1200	South Bend, Ind.	.1
WCAM	1283	Camden, N. J.	.5	WFAS	1210	White Plains, N. Y.	.1
WCAO	600	Baltimore, Md.	.5	WFBC	1300	Greenville, S. C.	1.
WCAP	1283	Asbury Park, N. J.	.5	WFBG	1310	Altoona, Pa.	.1
WCAT	1200	Rapid City, S. Dak.	.1	WFBL	1360	Syracuse, N. Y.	.1
WCAU	1170	Philadelphia, Pa.	50.	WFBM	1230	Indianapolis, Ind.	.1
WCAX	1200	Burlington, Vt.	.1	WFRB	1270	Baltimore, Md.	.5
WCZA	1070	Carthage, Ill.	.1	WFDF	1310	Flint, Mich.	.1
WCBA	1440	Allentown, Penna.	.5	WFEA	1340	Manchester, N. H.	.5
WCBD	1080	Waukegan, Ill.	.5	WFIL	560	Philadelphia, Pa.	1.
WCBM	1370	Baltimore, Md.	.1	WFLA }	620	Clearwater, Fla.	1.
WCBS	1420	Springfield, Ill.	.1	WFMD	900	Frederick, Md.	.5
WCBO	810	Minneapolis, Minn.	50.	WFOR	1370	Hattiesburg, Miss.	.1
WCFL	970	Chicago, Ill.	.5	WGAL	1500	Lancaster, Pa.	.1
WCHS	580	Charleston, W. Va.	.5	WGAR	1450	Cleveland, Ohio	.5
WCHV	1423	Charlottesville, Va.	.1	WGBB	1210	Freeport, N. Y.	.1
WCKY	1490	Covington, Ky.	.5	WGBF	630	Evansville, Ind.	.5
WCLO	1200	Janesville, Wis.	.1	WGBI	880	Scranton, Pa.	.5
WCLS	1310	Joliet, Ill.	.1	WGCM	1210	Mississippi City, Miss.	.1
WCMI	1310	Ashland, Ky.	.1	WGES	1360	Chicago, Ill.	.5

Call	Kc.	Location	Kw.	Call	Kc.	Location	Kw.
WGH	1310	Newport News, Va.		WJAY	610	Cleveland, Ohio	.5
WGL	137C	Ft. Wayne, Ind.	.1	WJBC	1200	Bloomington, Ill.	.1
WGN	72C	Chicago, Ill.	50.	WJBK	1500	Detroit, Mich.	.1
WGN Y	1210	Chester Twp., N. Y.	.1	WJBL	1200	Decatur, Ill.	.1
WGPC	1420	Albany, Ga.	.1	WJBO	1420	Baton Rouge, La.	.1
WGR	550	Buffalo, N. Y.	.1	WJBW	1200	New Orleans, La.	.1
WGST	890	Atlanta, Ga.	.1	WJBY	1210	Gadsden, Ala.	.1
WGY	790	Schenectady, N. Y.	50.	WJDX	1270	Jackson, Miss.	.1
WHA	940	Madison, Wis.	2.5	WJEF	1210	Hagerstown, Md.	.1
WHAM	1150	Rochester, N. Y.	50.	WJIM	1210	Lansing, Mich.	.1
WHAS	820	Louisville, Ky.	50.	WJJD	1130	Chicago, Ill.	20.
WHAT	1310	Philadelphia, Pa.	.1	WJMS	1420	Ironwood, Mich.	.1
WHAZ	1300	Troy, New York	.5	WJNO	1200	West Palm Beach, Fla.	.1
WHB	860	Kansas City, Mo.	.1	WJR	750	Detroit, Mich.	50.
WHBB	1500	Selma, Ala.	.25	WJSV	1460	Alexandria, Va.	10.
WHBC	1200	Canton, Ohio	.1	WJW	1210	Akron, Ohio	.1
WHBF	1210	Rock Island, Ill.	.1	WJZ	760	New York, N. Y.	50.
WHBI	1250	Newark, N. J.	.1	WKAQ	1240	San Juan, Puerto Rico	1.
WHBL	1300	Sheboygan, Wis.	.25	WKAR	850	East Lansing, Mich.	1.
WHBO	1370	Memphis, Tenn.	.1	WKBB	1500	East Dubuque, Ill.	.1
WHBU	1210	Anderson, Ind.	.1	WKBH	1380	La Crosse, Wis.	1.
WHBY	1200	Green Bay, Wis.	.1	WKBI	1420	Cicero, Ill.	.1
WHDF	1370	Calumet, Mich.	.1	WKBN	570	Youngstown, Ohio	.5
WHDL	830	Easton, Mass.	.1	WKBO	1200	Harrisburg, Pa.	.1
WHDL	1420	Olean, N. Y.	.1	WKBV	1500	Richmond, Ind.	.1
WHBB	740	Portsmouth, N. H.	.25	WKBW	1480	Buffalo, N. Y.	5.
WHCC	1430	Rochester, N. Y.	.5	WKBZ	1500	Muskegon, Mich.	.1
WHCF	1500	Kosciusko, Miss.	.1	WKBU	1500	Griffin, Ga.	.1
WHFC	1420	Cicero, Ill.	.1	WKOK	1210	Sunbury, Pa.	.1
WHIO	1260	Dayton, Ohio	.1	WKRC	550	Cincinnati, Ohio	.5
WHIS	1410	Bluefield, W. Va.	.5	WKY	900	Oklahoma City, Okla.	1.
WHJB	620	Greensburg, Pa.	.25	WKZO	590	Kalamazoo, Mich.	1.
WHK	1390	Cleveland, Ohio	.1	WLAC	1470	Nashville, Tenn.	.5
WHKC	640	Columbus, Ohio	.5	WLAK	1310	Lakeland, Fla.	.1
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	WLBK	1310	Muncie, Ind.	.1
WHP	1430	Harrisburg, Pa.	.1	WLBK	1310	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	Topoka, 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	580	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	WMAO	670	Chicago, Ill.	50.
WIOD	1300	Miami, Fla.	.1	WMAS	1420	Springfield, Mass.	.1
WMBF	610	Philadelphia, Pa.	.5	WMAZ	1180	Macon, Ga.	.1
WIP	1400	Indianapolis, Ind.	.5	WMBC	1420	Detroit, Mich.	.1
WIRE	560	Columbia, S. C.	.1	WMBD	1440	Peoria, Ill.	.5
WIS	1120	Milwaukee, Wis.	.25	WMBG	1210	Richmond, Va.	.1
WISN	1310	Johnstown, Pa.	.1	WMBH	1420	Joplin, Mo.	.1
WJAC	1060	Norfolk, Nebr.	.1	WMBI	1080	Chicago, Ill.	.5
WJAG	890	Providence, R. I.	.1	WMBO	1310	Auburn, N. Y.	.1
WJAR	1290	Pittsburgh, Pa.	.1	WMBO	1500	Brooklyn, N. Y.	.1
WJAS	900	Jacksonville, Fla.	.1	WMBR	1370	Jacksonville, Fla.	.1
WJAX				WMC	780	Memphis, Tenn.	1.



Vaughn de Leath
N. B. C.



Robert Simmons
N. B. C.



Gladys Swarthout
N. B. C.



Guy Lombardo
C. B. S.

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



Fred MacMurray
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.	1.	WRGA	1500	Rome, Ga.	.1
WMEX	1500	Boston, Mass.	.1	WRJN	1370	Racine, Wis.	.1
WMFD	1370	Wilmington, N. C.	.1	WROL	1410	Rockford, Ill.	.5
WMFF	1310	Plattsburg, N. Y.	.25	WROL	1310	Knoxville, Tenn.	.1
WMFG	1210	Hibbing, Minn.	.1	WRRR	1280	Dallas, Texas	.5
WMFJ	1420	Daytona Beach, Fla.	.1	WRUF	830	Gainesville, Fla.	5
WMFN	1210	Clarksdale, Miss.	.1	WRVA	1110	Richmond, Va.	5.
WMFO	1370	Decatur, Ala.	.1	WSAI	1330	Cincinnati, Ohio	1.
WMFR	1200	High Point, N. C.	.1	WSAJ	1310	Grove City, Pa.	.1
WMMN	890	Fairmont, W. Va.	.5	WSAN	1440	Allentown, Pa.	.5
WMPC	1200	Lapeer, Mich.	.1	WSAR	1450	Fall River, Mass.	.25
WMSD	1420	Sheffield, Ala.	.1	WSAZ	1190	Huntington, W. Va.	1.
WMT	600	Cedar Rapids, Iowa	1.	WSE	740	Atlanta, Ga.	50.
WNAC	1230	Boston, Mass.	1.	WSEB	1210	Chicago, Ill.	.1
WNAD	1010	Norman, Okla.	1.	WSET	1360	South Bend, Ind.	.5
WNAX	570	Yankton, S. Dak.	1.	WSFA	1410	Montgomery, Ala.	.5
WNBC	1380	New Britain, Conn.	.25	WSGN	1310	Birmingham, Ala.	.1
WNBF	1500	Binghamton, N. Y.	.1	WSIX	1210	Nashville, Tenn.	.1
WNBH	1310	New Bedford, Mass.	.1	WSJS	1310	Winston-Salem, N. C.	.1
WNBR	1430	Memphis, Tenn.	.5	WSMB	650	Nashville, Tenn.	50.
WNBX	1260	Springfield, Vt.	1.	WSME	1320	New Orleans, La.	1.
WNBZ	1290	Saranac Lake, N. Y.	.1	WSMK	1380	Dayton, Ohio	.2
WNEL	1290	San Juan, Puerto Rico	.5	WSOC	1210	Charlotte, N. C.	.1
WNFW	1250	New York, N. Y.	.1	WSFA	920	Spartanburg, S. C.	1.
WNLC	1500	New London, Conn.	.1	WSPD	1340	Toledo, Ohio	1.
WNNO	1010	Knoxville, Tenn.	1.	WSPR	1140	Springfield, Mass.	.5
WNYC	810	New York, N. Y.	1.	WSUI	880	Iowa City, Iowa	.5
WOAI	1190	San Antonio, Tex.	50.	WSVA	550	Harrisonburg, Va.	.05
WOC	1370	Davenport, Iowa	.1	WSVS	1370	Buffalo, N. Y.	.05
WOCL	1210	Jamestown, N. Y.	.05	WSYB	1500	Rutland, Vt.	.1
WOI	640	Ames, Iowa	5.	WSYR	570	Syracuse, N. Y.	.25
WOKO	1430	Albany, N. Y.	.5	WTAD	900	Quincy, Ill.	.5
WOL	1310	Washington, D. C.	.1	WTAG	580	Worcester, Mass.	.5
WOMT	1210	Manitowoc, Wis.	.1	WTAL	1310	Tallahassee, Fla.	.1
WOOD	1270	Grand Rapids, Mich.	.5	WTAM	1070	Cleveland, Ohio	50.
WOPI	1500	Bristol, Tenn.	.1	WTAO	1330	Green Bay, Wis.	1.
WOR	710	Newark, N. J.	50.	WTAR	780	Norfolk, Va.	.5
WORC	1280	Worcester, Mass.	.5	WTAW	1120	College Station, Texas	.5
WORK	1320	York, Pa.	1.	WTAX	1210	Springfield, Ill.	.1
WORL	920	Boston, Mass.	.5	WTBO	800	Cumberland, Md.	.25
WOSU	570	Columbus, Ohio	.75	WTGN	1250	Minneapolis, Minn.	1.
WOV	1130	New York, N. Y.	1.	WTGL	1310	Philadelphia, Pa.	.1
WOVW	590	Omaha, Nebr.	1.	WTGA	1450	Athens, Ga.	.5
WOVO	1160	Ft. Wayne, Ind.	10.	WTHH	1200	Hartford, Conn.	.1
WPAD	1420	Paducah, Ky.	.1	WTIC	1060	Hartford, Conn.	50.
WPAB	1420	Parkersburg, W. Va.	.1	WTJS	1310	Jackson, Tenn.	.1
WPAX	1210	Thomasville, Ga.	.1	WTMJ	620	Milwaukee, Wis.	1.
WPAY	1370	Portsmouth, Ohio	.1	WTMV	1500	East St. Louis, Ill.	.1
WPEN	920	Philadelphia, Pa.	.25	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.	.1
WPRO	630	Providence, R. I.	.25	WVFW	1400	Brooklyn, N. Y.	.5
WPRP	1420	Ponce, P. R.	.1	WWAE	1200	Hammond, Ind.	1.
WPTF	680	Raleigh, N. C.	5.	WWJ	920	Detroit, Mich.	1.
WQAM	560	Miami, Fla.	1.	WWL	850	New Orleans, La.	10.
WQAN	880	Scranton, Pa.	.25	WWNC	570	Asheville, N. C.	1.
WQOB	1360	Vicksburg, Miss.	1.	WWRL	1500	Woodside, N. Y.	.1
WQOC	1370	St. Albans, Vt.	.1	WWSW	1500	Pittsburgh, Pa.	.1
WQDM	1370	Williamsport, Pa.	.1	WWVA	1160	Wheeling, W. Va.	5.
WRAC	1310	Reading, Pa.	.1	WXYZ	1240	Detroit, Mich.	1.
WRAP	920	Philadelphia, Pa.	.25	WYBS	1530	Waterbury, Conn.	1.
WRAX	1200	Philadelphia, Pa.	.1	WYXR	1580	Long Island City, N. Y.	1.
WRBC	950	Washington, D. C.	.5	WYXI	1550	Bakersfield, Calif.	1.
WRDO	1370	Augusta, Maine	.1	WYXZ	1530	Kansas City, Mo.	1.
WRDW	1500	Augusta, Ga.	.1				
WRFC	600	Memphis, Tenn.	1.				
WRFD	1220	Lawrence, Kansas	1.				

RETUBE WITH TUNG-SOL

UNITED STATES BROADCASTING STATIONS

BY FREQUENCY, WAVELENGTH AND CALL LETTERS

550 kc., 545.1 m.
KFUO, KFYR, KOAC, KSD, K TSA,
WDEV, WGR, WKRC, W SVA.

580 kc., 535.4 m.
KFDM, KLZ, KTAB, KWTO, WIND,
WFIL, WIS, WQAM.

570 kc., 526.0 m.
KGKO, KMTR, KVI, WKBN, WMCA,
WNAX, WOSU, WSYR, WSYU, WWNC.

580 kc., 516.9 m.
KMI, KSAC, WCHS, WDBO, WIBW
WILL, WTAG.

590 kc., 508.2 m.
KHQ, WEEL, WKZO, WOW.

600 kc., 499.7 m.
KFSD, WCAO, WICC, WMT, WREC.

610 kc., 491.5 m.
KFRC, WDAF, WIP, WJAY.

620 kc., 483.6 m.
KGW, KTAR, WFLA, WSUN, WHJB,
WLBZ, WTMI.

630 kc., 475.9 m.
KFRU, KGFY, WGBF, WMAL, WOS.

640 kc., 468.5 m.
KFI, WAJU, WOI.

650 kc., 461.3 m.
KIRO, WSM.

660 kc., 454.3 m.
WAAW, W EAF.

670 kc., 447.5 m.
WMAQ.

680 kc., 440.9 m.
KFEQ, KPO, WPTF.

690 kc., 434.5 m.
(Reserved for Canadian Stations)

700 kc., 428.3 m.
WLW.

710 kc., 422.3 m.
KMPC, WOR, KIRO.

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, KGHL, K E H E

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, WKAR.

860 kc., 348.6 m.
WABC, WBOQ, WHB.

870 kc., 344.6 m.
WENR, WLS.

880 kc., 340.7 m.
KFKA, KLX, KP OF, WCOG, WGBI,
WQAN, WSUI, WPHR.

890 kc., 336.9 m.
KARK, KFNF, KFPY, KSEI, KUSD, WBAA
WGST, WJAR, WMMN, KFPY.

900 kc., 333.1 m.
KGBU, KHI, KSFI, WBEN, WJAX, WKY,
WELI, WFMD, WLBL, WTAD.

910 kc., 329.5 m.
(Reserved for Canadian Stations)

920 kc., 325.9 m.
KFEL, KOMO, KPRC, KVOD, WAAF,
WBSO, WWJ, WORL, W PEN, WRAX,
WSPA.

930 kc., 322.4 m.
KGBZ, KMA, KROW, WBRC, WDBI.

940 kc., 319.0 m.
K OIN, W AAT, WAVE, W CSH, WDAY,
WHA

950 kc., 315.6 m.
KFWB, KHSL, 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.

1000 kc., 299.8 m.
KFVD, WHO.



Phil Harris
N. B. C.



Lou Holz
N. B. C.



Arturo Toscanini
N. B. C.



Edgar Bergen
N. B. C.



Lanny Ross
N. B. C.

- 1010 kc., 296.9 m.
KGGF, KOW, WHN, WNOX, WNAD
- 1020 kc., 293.9 m.
KYW, WDZ.
- 1030 kc., 291.1 m.
(Reserved for Canadian Stations)
- 1040 kc., 288.3 m.
KRLD, KTHS, WESG.
- 1050 kc., 285.5 m.
KFBI, KNX.
- 1060 kc., 282.8 m.
KWJL, WBAL, WJAG, WTIC.
- 1070 kc., 280.2 m.
KJBS, WCAZ, WTAM.



Beray Venula
C. B. S.

- 1080 kc., 277.6 m.
WBT, WCBD, WMBI.
- 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, WCOP,
WDEL, WISN, WTAW.
- 1130 kc., 265.3 m.
KSL, WJLD, WOV.
- 1140 kc., 263.0 m.
KVOO, WAPI, WSPR.
- 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., 250.0 m.
KADA, KBMT, KFIB, KFXX, KFXI, KGDE,
KGEK, KGEI, KGHI, KGVO, KMLB,
KSUN, KVO5, KVSC, KWG, WABI,
WAIM, WBBZ, WBNO, WCAT, WCAZ,
WCLO, WCPQ, WEST, WFAM, WHBC,
WHBY, WIBX, WIL, WIBC, WIBL,
WIBW, WJNO, WKBO, WLVA, WMPC,
WRBL, WTHT, WVAE.



Andre Kostelanetz
C. B. S.

- 1210 kc., 247.9 m.
KASA, KDLR, KDON, KFJI, KFOR, KFPW,
KFVS, KFXM, KGY, KIUL, KPPC, KVSQ,
KWTN, WALR, WBAX, WBBL, WBRB,
WCOL, WCRW, WEBQ, WEDC, WFAS,
WGBB, WGCM, WGNV, WHBF, WHBU,
WIBU, WIBY, WIEJ, WIIM, WIW, WKOK,
WMBG, WMFG, WMFN, WOCL, WQMT,
WPAX, WSAY, WSBC, WSIX, 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.
KGCU, KLPM, KTAT, KTFI, WKAO,
WXYZ.
- 1250 kc., 239.8 m.
KFOX, WCAL, WDSU, WGCP, WHBI,
WNEW, WTCN, WLB.
- 1260 kc., 238.0 m.
KOIL, KPAC, KRGV, KUOA, KVOA,
WLBW, WTOG, WHIO, WNBX.
- 1270 kc., 236.1 m.
KGCA, KOL, KVOR, KWLC, WASH,
WFRB, WJDX, WOOD.
- 1280 kc., 234.2 m.
KFBB, WCAM, WCAP, WDOD,
WIBA, WORC, WRR, WTNI.
- 1290 kc., 232.4 m.
KDYL, KLCN, K TSA, WEBC, WJAS,
WNBZ, WNEL, KTRN.
- 1300 kc., 230.6 m.
KALE, KFAC, KFH, KFJR, WBBR, WEVD,
WFAB, WFBC, WHAZ, WHBL, WIOD,
WMBF.

- 1310 kc., 228.9 m.
KCRI, KFBK, KFPL, KFPM, KFXR, KFYO,
KINY, KGCX, KGEZ, KGFV, KIT,
KRMD, KROA, KISM, KRRO, WAML,
WBEO, WBOW, WBRE, WCLS, WDAH,
WEBR, WEXL, WFBG, WFDL, WGH,
WIAC, WLBC, WLBF, WLNH, WOL,
WRAW, WROL, WSAI, WSGN, WSIS,
WTEL, WITS, WTRC.
- 1320 kc., 227.1 m.
KGHF, KGMB, KID, KRNT, WADC,
WORK, WSMB.
- 1330 kc., 225.4 m.
KGB, KMO, KSCI, WDRC, WSAI,
WTAQ.
- 1340 kc., 233.7 m.
KFPY, KGDY, KGNO, KGNR, WCOA,
WFEA, WSPD.
- 1350 kc., 222.1 m.
KIDO, KWK, WAWZ, WBNX, WEHC.
- 1360 kc., 220.4 m.
KCRG, KGER, KGBR, WCSC, WFBL,
WGES, WQBC, WBSB.

- 1370 kc., 219.0 m.
KAST, KELD, KERN, KFGQ, KFIM,
KFJZ, KFRO, KGAR, KGFQ, KGFL,
KGKL, KICA, KLUF, KMAC, KONO,
KRE, KRKO, KSLM, KUI, KVL, KWKC,
KWYO, WABY, WAGF, WATL, WBNY,
WBTM, WCBM, WDAS, WGL, WHBQ,
WHDF, WHLB, WIBM, WLLH, WMBR,
WMFD, WMFO, WOC, WPAY, WQDM,
WRAK, WRDO, WRJN, WSVS.
- 1380 kc., 217.3 m.
KOH, KQV, WALA, WKBH, WNBC,
WSMK.
- 1390 kc., 215.7 m.
KLRA, KOOS, KOY, WHK.
- 1400 kc., 214.2 m.
KHBC, KLO, KTUL, WARD, WBBC,
WIRE, WLTH, WVFW.
- 1410 kc., 212.6 m.
KGNC, KMED, WAAB, WBCM, WHIS,
WROK, WSFA.

1420 kc., 211.3 m.

KABC, KABR, KALB, KBPS, KCMC, KFIZ, KGFF, KGGC, KGIW, KIDW, KIUN, KORÉ, KRBC, KRLC, KUMA, KWBG, KXL, WACO, WAGM, WAPO, WAZL, WCBS, WCHV, WEED, WEHS, WELL, WGPC, WHDL, WHFC, WILM, WIBO, WIMS, WKBI, WLAP, WLEU, WMAS, WMBC, WMBH, WMFI, WMSD, WPAD, WPAR, WPRP.

1430 kc., 209.7 m.

KECA, KGNF, WBNS, WHEC, WHP, WNBR, WOKO, WSO.

1440 kc., 208.2 m.

KDFN, KLS, KXYZ, WBIG, WCBA, WMBD, WSN, WTAD

1450 kc., 206.9 m.

KIEM, 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.

WKCY, KFBB

1500 kc., 200.0 m.

KBIX, KDB, KGI, KGFK, KGKB, KGKY, KNEL, KNOW, KOTN, KPCL, KPO, KUTA, KVOE, KXO, WCNW, WDNC, W GAL, WHEF, WIBK, WKBB, WKBV, WKBZ, WKEU, WMBQ, WMEX, WNBK, WOFI, WRDW, WRGA, WSYB, WTMV, WWR, WWSW.

1530 kc., 196.1 m.

WIXBS, W9XBV.

1550 kc., 193.6 m.

W2XR, W6XAI.



Harriet Hilliard
N. B. C.



Lowell Thomas
N. B. C.



Jack Oakie
C. B. S.



George Burns and
Gracie Allen
N. B. C.

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. & Pl. 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
W9XAP	2500	National Broadcasting Co.	Chicago, Ill.
W2XBS	5000	National Broadcasting Co.	Bellmore, N. Y.
W9XAL	500	First National Television Corp.	Kansas City, Mo.
W9XC	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.
W10XX	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
W1XC	500	General Television Corp.	Boston, Mass.
W9XAL	150	First National Television Corp.	Kansas City, Mo. (CP)
W3XER		RCA Mfg. Co.	Camden, N. J.
WNXX		University of Iowa	Iowa City, Ia.

BROADCASTING STATIONS IN THE UNITED STATES

ALPHABETICALLY BY CITIES



Ben Barnie
N. B. C.



Boake Carter
C. E. S.



David Ross
C. B. S.



Maj. Edward Bowes
C. B. S.

Aberdeen, S. Dak.	KABR	Brookings, S. Dak.	KFDY
Aberdeen, Wash.	KXRO	Brooklyn, N. Y.	WCNW, WLTH,
Abilene, Kans.	KFBI	WMBQ, WBBC, WBRR, WARD,	
Abilene, Texas	KRBC	WVFW, WEGL	
Ada, Okla.	KADA	Buffalo, N. Y.	WEBR, WGR, WKBW,
Akron, Ohio	WJW	WBNY, WBEN, WSVS.	
Alamosa, Colo.	KGIW	Burbank, Calif.	KELW
Albany, Ga.	WATL, WGPC	Burlington, Vt.	WCAX
Albany, N. Y.	WABY, WOKO	Butte, Mont.	KGIR
Albuquerque, N. Mex.	KOB, KGGM	Calumet, Mich.	WHDF
Alexandria, La.	KALB	Camden, N. J.	WCAM
Alexandria, Va.	WJSV	Canton, N. Y.	WCAD
Allentown, Pa.	WCBA, WSN	Canton, Ohio	WHBC
Altona, Pa.	WFPG	Cape Girardeau, Mo.	KPVS
Amarillo, Texas	KGNC	Carlsbad, N. Mex.	KLAH
Ames, Iowa	WOI	Carthage, Ill.	WCZA
Anderson, Ind.	WHBU	Casper, Wyo.	KDFN
Anderson, S. C.	WAIM	Cedar Rapids, Iowa	WMT
Ardmore, Okla.	KVSO	Champaign, Ill.	WDWS
Arlington, Va.	NAA	Charleston, S. C.	WCSC
Asbury Park, N. J.	WCAP	Charleston, W. Va.	WCHS
Asheville, N. C.	WWNC	Charlotte, N. C.	WBT, WSOC
Ashland, Ky.	WCML	Charlottesville, Va.	WCHO
Astoria, Ore.	KAST	Chattanooga, Tenn.	WDOD
Athens, Ga.	WTFI	Chester Twp., N. Y.	WGNV
Atlanta, Ga.	WGST, WSB, WJTL	Chicago, Ill.	WAAF, WBBM, WCFL,
Atlantic City, N. J.	WPG	WCRW, WEDC, WENR, WGES,	
Auburn, N. Y.	WMBO	WGN, WJJD, WLS, WMAO, WMBI,	
Augusta, Ga.	WRDW	WSSC.	
Augusta, Me.	WRDO	Chico, Calif.	KHSL
Austin, Texas	KNOW	Cicero, Ill.	WHFC, WEHS, WKBI
Bakersfield, Calif.	KERN	Cincinnati, Ohio	WCPO, WSAI,
Baltimore, Md.	WBAL, WCAO,	WKRZ, WLW.	
WFRB, WCBM.		Clarksdale, Miss.	WMFM
Bangor, Me.	WABI, WLBZ	Clay Center, Nebr.	KMMJ
Baton Rouge, La.	WJBO	Clayton, Mo.	KFUD
Battle Creek, Mich.	WELL	Clearwater, Fla.	WFLA, WSUN
Bay City, Mich.	WBCM	Cleveland, Ohio	WHK, WJAY,
Beaumont, Texas	KFDM	WTAM, WGAR.	
Bellingham, Wash.	KVOS	Clovis, N. Mex.	KICA
Berkeley, Calif.	KRE	Coffeeville, Kans.	KGGF
Big Spring, Texas	KBST	College Station, Texas	WTAW
Beverly Hills, Calif.	KMPC	Colorado Springs, Colo.	KVOR
Billings, Mont.	KGHL	Columbia, Mo.	KFRU
Binghamton, N. Y.	BNBF	Columbia, S. C.	WIS
Birmingham, Ala.	WAPI, WBRC,	Columbus, Ga.	WBRL
WGSN.		Columbus, Ohio	WHKC, WBNS,
Bismarck, N. Dak.	KFYR	WCOL, WOSU.	
Bloomington, Ill.	WJBC	Corpus Christi, Texas	KGFI
Bluefield, W. Va.	WHIS	Corvallis, Ore.	KOAC
Blytheville, Ark.	KLCN	Covington, Ky.	WKCY
Boise, Idaho	KIDO	Cumberland, Md.	WTBO
Boone, Iowa	KFGO	Dallas, Texas	KRLD, WFAA, WRR
Boston, Mass.	WBZA, WEEI, WHDH,	Danville, Va.	WBTM
WCOP, WMEX, WNAC, WAAB,		Davenport, Iowa	WOC
WBZ, WORL.		Dayton, Ohio	WSMK, WHIO
Brady, Tex.	KNEL	Daytona Beach, Fla.	WMFJ
Bristol, Tenn.	WOPI	Decatur, Ala.	WMFO
Bridgeport, Conn.	WICC	Decatur, Ill.	WJBL

Decorah, Iowa.....	KGCA, KWLC	Harrisonburg, Va.....	WSVA
Del Monte, Calif.....	KDON	Hartford, Conn.....	WTHT, WDRC, WTIC
Denver, Colo.....	KFEL, KOA, KPOF, KVOD, KLZ.	Hattiesburg, Miss.....	WFOR
Des Moines, Iowa.....	KSO, WHO, KRNT	Hazleton, Pa.....	WAZL
Detroit, Mich.....	WJJBK, WWJ, WMBC, WJR, WXYZ.	Hibbing, Minn.....	WFMG
Devils Lake, N. Dak.....	KDLR	High Point, N. C.....	WFMF
Dodge City, Kans.....	KGNO	Hilo, Hawaii.....	KHBC
Dothan, Ala.....	WAGF	Hollywood, Calif.....	KFWB
Dublin, Texas.....	KFPL	Honolulu, Hawaii.....	KGU, KGMB
Durango, Colo.....	KIUP	Hot Springs National Park, Ark.....	KTHS
Durham, N. C.....	WDNC	Houston, Texas.....	KPRC, KTRH, KXYZ
East Dubuque, Ill.....	WKBB	Huntington, W. Va.....	WSAZ
East St. Louis, Ill.....	WMTV	Huron, S. D.....	KGDY
Easton, Pa.....	WEST	Hutchinson, Kans.....	KWBG
Eau Claire, Wis.....	WEAU	Idaho Falls, Idaho.....	KID
El Centro, Calif.....	KXO	Indianapolis, Ind.....	WFBM, WIRE
El Dorado, Ark.....	KELD	Iowa City, Iowa.....	WSUI
Elk City, Okla.....	KASA	Ironwood, Mich.....	WJMS
Elkhart, Ind.....	WTRC	Jackson, Mich.....	WIBM
Elmira, N. Y.....	WESG	Jackson, Miss.....	WJDX
El Paso, Texas.....	WDAH, KTSM	Jackson, Tenn.....	WTJS
Enid, Okla.....	KCRC	Jacksonville, Fla.....	WMBR, WJAX
Erie, Pa.....	WLEU	Jamesstown, N. Y.....	WOCL
Eugene, Ore.....	KORE	Jamesville, Wis.....	WCLO
Eureka, Calif.....	KIEM	Jerome, Ariz.....	KCRJ
Evansville, Ind.....	WEOA, WGBF	Jersey City, N. J.....	WHOM, WAAT
Everett, Wash.....	KRKO	Johnstown, Pa.....	WJAC
Fairmont, W. Va.....	WMMN	Joliet, Ill.....	WCLS
Fall River, Mass.....	WSAR	Jonesboro, Ark.....	KBTM
Fargo, N. Dak.....	WDAY	Joplin, Mo.....	WMBH
Fergus Falls, Minn.....	KGDE	Juneau, Alaska.....	KINY
Flint, Mich.....	WFDF	Kalamazoo, Mich.....	WKZO
Fond du Lac, Wis.....	KFIZ	Kalispell, Mont.....	KGEZ
Fort Smith, Ark.....	KFPW	Kansas City, Kans.....	WLBF
Fort Wayne, Ind.....	WOWO, WGL	Kansas City, Mo.....	KCMO, KWKC, WDAF, WHB, KMBC.
Fort Worth, Texas.....	KTAT, KFJZ, WBAP	Kearney, Neb.....	KGFW
Frederick, Md.....	WFMD	Ketchikan, Alaska.....	KGBU
Freeport, N. Y.....	WGBB	Klamath Falls, Ore.....	KFJI
Fresno, Calif.....	KMJ	Knoxville, Tenn.....	WNOX, WROL
Gadsden, Ala.....	WJBY	Kosciusko, Miss.....	WHBF
Gainesville, Fla.....	WRUF	Laconia, N. H.....	WLNH
Galveston, Texas.....	KLUF	La Crose, Wis.....	WKBH
Garden City, Kans.....	KIUL	West Lafayette, Ind.....	WBAA
Gary, Ind.....	WIND	Lafayette, La.....	KVOL
Glendale, Calif.....	KIEV	Lake Charles, La.....	KPLC
Glenside, Pa.....	WIBG	Lakeland, Fla.....	WLAK
Grand Forks, N. Dak.....	KFJM	Lamar, Colo.....	KIDW
Grand Junction, Colo.....	KFXJ, WOOD	Lancaster, Pa.....	WGAL
Grand Rapids, Mich.....	WASH, WOOD	East Lansing, Mich.....	WJIM, WKAR
Great Falls, Mont.....	KFBB	Lapeer, Mich.....	WMPG
Greeley, Colo.....	KFAA	Laurel, Miss.....	WAML
Green Bay, Wis.....	WTAO, WHBY	Lawrence, Kans.....	KFKU, WREN
Greensboro, N. C.....	WBIG	Lewiston, Idaho.....	KRLC
Greensburg, Pa.....	WHB	Lexington, Ky.....	WLAP
Greenville, S. C.....	WFBC	Lincoln, Nebr.....	KFAB, KFOR
Griffin, Ga.....	WKEU	Little Rock, Ark.....	KLRA, KGHJ, KARK
Grove City, Pa.....	WSAJ	Long Beach, Calif.....	KFOX, KGER
Hagerstown, Md.....	WJEJ	Longview, Texas.....	KPRO
Hammond, Ind.....	WHAJ	Los Angeles, Calif.....	KFI, KFSG, KEHE, KGFJ, KECA, KHJ, KFAC, KFVD, KRKD, KMTR, KNX.
Harrisburg, Ill.....	WBO	Louisville, Ky.....	WHAS, WAVE
Harrisburg, Pa.....	WKBO, WHF		



Joe Penner
C. B. S.



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
N. B. C.



Ramona
N. B. C.



Rubinoff
C. B. S.



Al Pearce
C. B. S.

Lowell, Ariz.	KSUN	Philadelphia, Pa.	WCAU, WFIL,
Lowell, Mass.	WLLH	WHAT, WIP, KYW, WRAX, WDAS,	WTEL, WPEN.
Lubbock, Texas.	KFYO	Phoenix, Ariz.	KOY, KTAR
Lynchburg, Va.	WLVA	Pierre, S. Dak.	KGFZ
Macon, Ga.	WMAZ	Pine Bluff, Ark.	KOTN
Madison, Wis.	WHA, WIBA	Pittsburgh, Pa.	KDKA, KOV, WCAE,
Manchester, N. H.	WFEA	WJAS, WWSW.	
Mandan, N. Dak.	KGCU	Plattsburg, N. Y.	WMFF
Manhattan, Kans.	KSCAT	Pocatello, Idaho.	KSEI
Manitowoc, Wis.	WOMT	Ponca City, Okla.	WBBZ
Marquette, Mich.	WBEO	Ponce, P. R.	WPRP
Marshalltown, Iowa.	KFJB	Port Arthur, Texas.	KPAC
Marshfield, Ore.	KOOS	Portland, Me.	WCSH
Medford, Ore.	KMED	Portland, Ore.	KEX, KFJR, KBPS,
Memphis, Tenn.	WBHO, WMC,	KGW, KOIN, KALE, KWJJ, KXL	
WNBR, WREC.		Portsmouth, Ohio.	WPAY
Meridian, Miss.	WCOC	Poynette, Wis.	WIBU
Miami, Fla.	WIOD, WMBF, WOAM	Presque Isle, Me.	WAGM
Midland, Texas.	KRLH	Providence, R. I.	WEAN, WJAR,
Milwaukee, Wis.	WTMJ, WISN, WEMP	WPRO.	
Minneapolis, Minn.	WDGY, WCCO,		
WLB, WTCN.		Pueblo, Colo.	KGHF
Minot, N. D.	KLPM	Pullman, Wash.	KWSC
Mississippi City, Miss.	WGCM	Quincy, Ill.	WTAD
Missoula, Mont.	KGVO	Racine, Wis.	WRJN
Mobile, Ala.	WALA	Raleigh, N. C.	WPTF
Modesto, Calif.	KTRB	Rapid City, S. Dak.	WCAT
Monroe, La.	KMLB	Reading, Pa.	WEUU, WRAW
Montgomery, Ala.	WSFA	Red Bank, N. J.	WBRB
Muncie, Ind.	WLBC	Reno, Nev.	KOH
Muskegon, Mich.	WKBZ	Richmond, Ind.	WKBV
Nampa, Idaho.	KFXD	Richmond, Va.	WBBL, WMBG,
Nashville, Tenn.	WSIX, WLAC, WSM	WRVA.	
Newark, N. J.	WHBI, WOR		
New Bedford, Mass.	WNBH	Roanoke, Va.	WDBJ
New Britain, Conn.	WNBC	Rochester, Minn.	KROC
New Haven, Conn.	WELI	Rochester, N. Y.	WHAM, WHEC
New London, Conn.	WNLC	Rockford, Ill.	WROK
New Orleans, La.	WDSU, WBNO,	Rock Island, Ill.	WBHF
WJBW, WSMB, WWL.		Rocky Mount, N. C.	WEED
Newport News, Va.	WGH	Rome, Ga.	WRGA
New York, N. Y.	WABC, WBNX,	Roseburg, Ore.	KRRN
WEVD, WJAZ, WJZ, WLWL, WMCB,	WFAE,	Roswell, N. Mex.	KGFL
WNEW, WNYC, WOV.	WMAA,	Royal Oak, Mich.	WEXL
		Rutland, Vt.	WSYB
		Sacramento, Calif.	KFBK
		Salem, Ore.	KSLM
Norfolk, Neb.	WJAG	Salt Lake City, Utah.	KDYL, KSL
Norfolk, Va.	WTAR	San Angelo, Texas.	KGKL
Norman, Okla.	WNAD	San Antonio, Texas.	KTSA, WOAI,
Northfield, Minn.	WCAL	KMAC, KONO, KABC.	
North Platte, Nebr.	KGNF	San Bernardino, Calif.	KFXM
Oakland, Calif.	KLS, KLX,	San Diego, Calif.	KBG, KFSD, KVSC
KROW		San Francisco, Calif.	KFRC, KGCC,
Ogden, Utah.	KLO	KJBS, KPO, KYA, KGO, KSFO.	
Oklahoma City, Okla.	KOMA, KFJR,	San Jose, P. R.	WNEL, WKAO
KGFG, WKY.		San Jose, Calif.	KOW
Olean, N. Y.	WHDL	Santa Ana, Calif.	KVOE
Olympia, Wash.	KGY	Santa Barbara, Calif.	KDB
Omaha, Nebr.	KOIL, WAAW, WOW	Santa Fe, N. Mex.	KIUJ, KROA
Orlando, Fla.	WDBO	Saranac Lake, N. Y.	WNBZ
Paducah, Ky.	WPAD	Savannah, Ga.	WTOC
Palestine, Texas.	KNET	Schenectady, N. Y.	WGY
Pampa, Texas.	KPDN	Scottsbluff, Nebr.	KGKY
Parkersburg, W. Va.	WPAP	Scranton, Pa.	WOAN, WGBI
Pasadena, Calif.	KPFC	Seattle, Wash.	KIRO, KOL, KJR, KOMO,
Pecos, Texas.	KIUN	KRSC, KTW, KVL, KXA.	
Pensacola, Fla.	WCOA	Selma, Ala.	WHBB
Peoria, Ill.	WMBD	Shawnee, Okla.	KGFF
Petersburg, Va.	WPHR		

Sheboygan, Wis. **WHBL**
 Sheffield, Ala. **WMSD**
 Shenandoah, Iowa. **KFNH, KMA**
 Sheridan, Wyo. **KWYO**
 Shreveport, La. **KRMD, KWKH,**
KTBS.
 Siloam Springs, Ark. **KUOA**
 Sioux City, Iowa. **KSCJ**
 Sioux Falls, S. Dak. **KSOO**
 South Bend, Ind. **WSBT, WFAM**
 Spartanburg, S. C. **WSPA**
 Spokane, Wash. **KHO, KPFO, KFPY,**
KGA.
 Springfield, Ill. **WTAX, WCBS**
 Springfield, Mass. **WMAS, WSPR,**
WBZA.
 Springfield, Mo. **KWTO, KGBX**
 Springfield, Vt. **WNBX**
 St. Albans, Vt. **WODM**
 St. Joseph, Mo. **KFEQ**
 St. Louis, Mo. **KMOX, KSD, KWK,**
WEW, WIL.
 St. Paul, Minn. **KSTP**
 Sterling, Colo. **KGEG**
 Stevens Point, Wis. **WLBL**
 Stockton, Calif. **KGDM, KWG**
 Sunbury, Pa. **WKOK**
 Superior, Wis. **WEBC**
 Syracuse, N. Y. **WFBL, WSYR, WSYU**
 Tacoma, Wash. **KMO, KVI**
 Tallahassee, Fla. **WTAL**
 Tallmadge, Ohio. **WADC**
 Tampa, Fla. **WDAE**
 Terre Haute, Ind. **WBOW**
 Texarkana, Ark. **KCMC**
 Thomasville, Ga. **WPAK**
 Toledo, Ohio. **WSPD**
 Topeka, Kans. **WIBW**
 Trenton, N. J. **WTNJ**
 Troy, N. Y. **WHAZ**
 Tucson, Ariz. **KVOA, KGAR**
 Tulsa, Okla. **KTUL, KVOO**
 Tuscola, Ill. **WDZ**
 Twin Falls, Idaho. **KTFI**
 Tyler, Texas. **KGKB**
 Urbana, Ill. **WILL**
 Utica, N. Y. **WIBX**
 Vermillion, S. Dak. **KUSD**
 Vicksburg, Miss. **WQBC**
 Waco, Texas. **WACO**
 Walla Walla, Wash. **KUJ**
 Washington, D. C. **WJSV, WMAL,**
WRC, WOL.
 Waterbury, Conn. **WATR**
 Waterbury, Vt. **WDEV**
 Watertown, S. D. **KWTN**
 Waukegan, Ill. **W CBD**
 Wausau, Wis. **WDRB**
 Wenatchee, Wash. **KPO**
 Weslaco, Texas. **KRGV**
 West Palm Beach, Fla. **WJNO**
 Wheeling, W. Va. **WWVA**
 White Plains, N. Y. **WFAS**
 Wichita, Kans. **KFH**
 Wichita Falls, Texas. **KGKO**
 Wilkes-Barre, Pa. **WBAX, WBRE**
 Williamsport, Pa. **WRAK**
 Wilmington, Del. **WDEL, WILM**
 Wilmington, N. C. **WMFD**

Winston-Salem, N. C. **WSJS**
 Wolf Point, Mont. **KGCK**
 Woodside, N. Y. **WWRL**
 Worcester, Mass. **WORC, WTAG**
 Yakima, Wash. **KIT**
 Yankton, S. Dak. **WNAZ**
 York, Pa. **WORK**
 Youngstown, Ohio. **WKBN**
 Yuma, Ariz. **KUMA**
 Zanesville, Ohio. **WALR**
 Zephath, N. J. **WAWZ**



Kate Smith
C. B. S.

Canadian Cities

Aklavik, N. W. T. **CJCU**
 Brantford, Ont. **CKPC**
 Brandon, **CKX**
 Calgary, Alta. **CFCN, CFAC,**
CJGJ
 Charlottetown, P. E. I. **CFCY**
 Chatham, Ont. **CFCO**
 Chicoutimi, Ont. **CRCS**
 Chilliwack, B. C. **CHWK**
 Cobalt, Ont. **CKMC**
 Edmonton, Alta. **CFRN, CJCA,**
CKUA
 Ft. Williams, Ont. **CKPR**
 Fredericton, N. B. **CFNB**
 Halifax, N. S. **CHNS**
 Hamilton, Ont. **CHML, CKOC**
 Hull, Que. **CKCH**
 Kamloops, B. C. **CFJC**
 Kelowna, B. C. **CKOV**
 Kingston, Ont. **CFRC**
 Lethbridge, Alta. **CJOC**
 London, Ont. **CFPL**
 Moncton, N. B. **CKCW**
 Montreal, P. Q. **CRGM, CFCF, CKAC,**
CHLP.
 Moose Jaw, Sask. **CHAB, CJRM**
 New Carlisle, Que. **CHNC**
 Ottawa, Ont. **CKCO, CRCO**
 Prescott, Ont. **CFLC**
 Prince Albert, Sask. **CKBI**
 Prince Rupert, B. C. **CFPR**
 Quebec, P. Q. **CRCK, CHRC,**
CKCV.
 Regina, Sask. **CHWC, CKCK**
 Saskatoon, Sask. **CFOC**
 Sea Island. **CJOR**
 St. Catharines, Ont. **CKTB**
 St. John, N. B. **CHSJ**
 Stratford, Ont. **CJCS**
 Sudbury, Ont. **CKSO**
 Summerside, P. E. I. **CHGS**
 Sydney, N. S. **CJCB**
 Toronto, Ont. **CKCL, CFRB,**
CRCT.
 Trail, B. C. **CJAT**
 Vancouver, B. C. **CKCD, CKWX,**
CKFC, CKMO.
 Victoria, B. C. **CFCT**
 Waterloo, Ont. **CKCR**
 Windsor, Ont. **CKLW, CRCW**
 Wingham, Ont. **CKNX**
 Winnipeg, Man. **CKY, CJRC**
 Wolfville, N. S. **CKIC**
 Yarmouth, N. S. **CJLS**
 Yorkton, Sask. **CJGX**



Frank Parker
N. B. C.



Hildegarde
N. B. C.



Stoopnagle & Budd
C. B. S.

... MY FAVORIT

.. MONDAY TUESDAY ..		
.. FRIDAY SATURDAY ..		
12-21-35	WABC -	Henry			
		Henry			
		Henry			
		Henry			
		Henry			
		Henry			
		Henry			
		Henry			
		Henry			
		Henry			

PROGRAM . . .

.. WEDNESDAY ..

.. THURSDAY ..

10:11 P.M. :
Office
Syno'l. 1:30 AM. -

.. SUNDAY ..

Perisodisgo

Rosa Lisa.



A Sunday's Jaunt Around the World

By Laurence M. Cockaday
Editor of Radio News



Florence Austral
Australia



Percy Grainger
Australia



Nina
Alexandriscaya
Russia

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. Putting on a bath robe and pulling up a chair to our short-wave receiver at 6 a. m., E.S.T., we can usually pull in JVM, Nazaki, Japan, on 10740 kc., or JVN, Nazaki, on 10660 kc., and hold them for hours. We may skip to the Australian station, VK2ME, and enjoy their musical reproductions on 9590 kc. as late as 8 9 a. m. Again, we may twist dials to 17790 kc. and pull in GSG, Daventry, England, to listen to their program in English. The English stations are now so powerful and numerous that it is easy to hear at least two of them going at the same time, all day long. PCJ, Huizen, Holland, 15220 kc., continues with a strong signal at 7 a. m. broadcasting peppy music. At 10 a. m., we can switch to Moscow, RV59, on 12000 kc., with their varied programs. But do not forget to try for ZBW4, Hong Kong, China, on 15190 kc., from 6-10 a. m. This is considered an excellent catch.

At noon, we may try our luck with I2RO, Rome, Italy, on 11810 kc., and hold them till late afternoon. France may be picked up from 6 a. m. to 11 a. m. on 15245 kc., continuing on 11885 from 11 a. m. to 6 p. m. Germany is heard well on at least two frequencies at any time during the day and they can be found easily by skimming across the dial. The German call letters start with the letter "D." In the early Sunday evening we may begin with EAQ, Madrid, Spain, on 9860 kc., as well as many other Spanish stations now found all over the short-wave dial. At about 6 p. m. the South Americans begin coming on the air in droves, including among the better

ones: YVIRH on 6360 kc., YV4RA on 6520 kc., YV4RD on 6300 kc., HJ3ABX on 6122 kc., HJ1ABB on 6120 kc., HJ3ABD on 6050 kc., HJU on 9510 kc. and LRU on 15290 kc. Central Americans to look for are as follows: COCH on 9428 kc., HI4D on 6550 kc., OAX4G on 6230 kc., HP5F on 6080 kc., HP5B on 6030 kc. and COCO on 6010 kc. And sprinkled in between these are 50 or more other short-wave South American and Central American stations.

If one is interested in fishing for "ultra" DX, he may listen for SPW, Warsaw, Poland, 13653 kc.; TFJ, Reykjavik, Iceland, 12235 kc.; HS8PJ, Bangkok, Siam, 10955 kc.; CQN, Macao, Asia, 9677 kc.; EA8AB, Tenerife, Canary Islands, 7010 kc.; CR7AA, Lourenzo Marques, Africa, 6137 kc., and VQ7LO, Nairobi, Kenya, Africa, 6083 kc. This rather sketchy outline will afford the short-wave fan or novice a main line program for DX'ing around the world and along routes from which many interesting by-paths 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

Some Less-Frequently-Heard Stations Omitted

ABBREVIATIONS FOR CLASS COLUMN

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

NORTH AMERICA

CANADA			
Call	Location	Kc.	Meters Class
VE9CA	Calgary, Alberta	6,030	49.75 B
CFU	Rossland, B. C.	5,705	52.59 P, B
VE9BK	Vancouver, B. C.	4,795	62.56 B
VE9CS	Vancouver, B. C.	6,070	49.43 B
CJRX	Winnipeg, Man.	6,150	48.70 B
CJRX	Winnipeg, Man.	11,730	25.57 B
VE9CL	Winnipeg, Man.	6,150	48.78 B
VE9HX	Halifax, N. S.	6,110	49.10 B
CGA3	Drummondville, Q.	13,285	22.58 P
CFA2	Drummondville, Q.	4,465	67.19 P
CFCX	Montreal, Que.	6,005	49.96 B
VE9DN	Montreal, Que.	6,005	49.96 B
CFRX	Toronto, Ont.	6,070	49.42 B
CRCX	Toronto, Ont.	11,810	25.40 B
CRCX	Toronto, Ont.	6,090	49.26 B

MEXICO

XECU	Guadalajara, Jalisco	6,115	49.06 B
XEBO	Mazatlan, Sinaloa	6,030	49.75 B
XEBT	Mexico, D. F.	6,003	49.97 B
XECR	Mexico, D. F.	7,380	40.65 B
XEPW	Mexico, D. F.	6,120	49.02 B
XEUZ	Mexico, D. F.	6,117	49.04 B
XEWI	Mexico, D. F.	6,015	49.88 B
XEXA	Mexico, D. F.	6,133	48.91 B
XEFT	Veracruz, Ver.	9,493	31.60 B
XEUW	Veracruz, Ver.	6,020	49.83 B

UNITED STATES

KEF	Bolinas, Calif.	6,710	44.71 P
KEI	Bolinas, Calif.	9,490	31.61 P
KET	Bolinas, Calif.	9,480	31.65 P
KQR	Bolinas, Calif.	18,040	16.63 P
KEZ	Dixon, Calif.	10,400	28.85 P
NPG	San Francisco, Cal.	12,885	23.28 T
WND	Hialeah, Fla.	4,097	73.23 P
W4XB	Miami Beach, Fla.	6,040	49.67 B
W9XAA	Chicago, Ill.	11,830	25.36 B
W9XAA	Chicago, Ill.	6,080	49.34 B
WVV	Beltsville, Md.	15,000	20.00 F
W1XAL	Boston, Mass.	21,460	13.98 B
W1XAL	Boston, Mass.	15,250	19.67 B
W1XAL	Boston, Mass.	11,790	25.45 B
W1XAL	Boston, Mass.	6,040	49.67 B
W1XK	Millis, Mass.	9,570	31.35 B
W8XWJ	Detroit, Mich.	31,600	9.49 E
W9XPD	St. Louis, Mo.	31,600	9.49 E
W3XAL	Bound Brook, N. J.	17,780	16.87 B
W3XAL	Bound Brook, N. J.	6,100	49.18 B
WKA	Lawrenceville, N. J.	21,060	14.25 P
WKF	Lawrenceville, N. J.	19,220	15.61 P
WOY	Lawrenceville, N. J.	4,753	63.11 P

Call	Location	Kc.	Meters Class
WOO	Ocean Gate, N. J.	4,753	63.11 P
W2XE	Wayne, N. J.	21,520	13.94 B
W2XE	Wayne, N. J.	17,760	16.89 B
W2XE	Wayne, N. J.	15,270	19.65 B
W2XE	Wayne, N. J.	11,830	25.36 B
W2XE	Wayne, N. J.	6,120	49.02 B
WEA	Rocky Point, N. Y.	10,610	28.28 E
WEF	Rocky Point, N. Y.	9,490	31.61 P
WEG	Rocky Point, N. Y.	7,415	40.45 P
W2XAD	Schenectady, N. Y.	15,330	19.57 B
W2XAF	Schenectady, N. Y.	9,530	31.48 B
W8XAL	Cincinnati, Ohio	6,060	49.50 B
W3XAU	Philadelphia, Pa.	9,590	31.28 B
W3XAU	Philadelphia, Pa.	6,060	49.50 B
W8XK	Pittsburgh, Pa.	21,540	13.93 B
W8XK	Pittsburgh, Pa.	15,210	19.72 B
W8XK	Pittsburgh, Pa.	11,870	25.27 B
W8XK	Pittsburgh, Pa.	6,140	48.86 B
NAA	Arlington, Va.	12,630	23.75 T
NAA	Arlington, Va.	4,390	68.34 T

CENTRAL AMERICA

COSTA RICA

T14NRH	Heredia	9,670	31.02 B
T18WS	Puntarenas	7,550	39.74 B
T1EP	San Jose	6,687	44.86 B
T1FA	San Jose	6,360	47.17 B
T1GPH	San Jose	5,830	51.46 B
T1GP	San Jose	6,410	46.80 B
T1RCC	San Jose	6,550	45.80 B
T1XZ	San Jose	5,830	51.46 B
T15HH	San Raimon	5,500	54.55 B

GUATEMALA

TGS	Guatemala City	5,713	52.51 B
TGWA	Guatemala City	9,450	31.75 E
TGWA	Guatemala City	6,000	50.00 B
TG2X	Guatemala City	5,940	50.50 B

HONDURAS

HRD	La Ceiba	6,235	48.11 B
HRW-			
HRW-	La Ceiba	11,040	27.17 P
HRW-			
HRW-	La Ceiba	8,290	36.19 P
HRW-			
HRW-	La Ceiba	6,520	46.01 P
HRW-			
HRW-	La Ceiba	6,375	47.10 P
HRW-			
HRW-	La Ceiba	5,170	58.03 P
HRW-			
HRW-	La Ceiba	4,605	65.16 P
HRP1	San Pedro Sula	6,357	47.20 B
HRN	Tequigalpa	5,875	51.06 B

NICARAGUA			
Call	Location	Kc. Meters	Class
YNH6	Boom	6,350	47.24 P
YNH6	Boom	4,610	65.08 P
YNH6	Boom	3,175	94.48 P
YNLAT	Granada	7,315	41.01 B
YNA	Managua	14,480	20.72 P
YNAM	Managua	7,200	41.67 A,B
YNGU	Managua	9,300	32.26 B
YNLF	Managua	7,560	39.68 B
YNLG	Managua	8,505	35.27 B
YNOP	Managua	5,758	52.10 B
YN1GG	Managua	6,540	45.87 B
YNE	Puerto Cabezas	12,680	23.66 P
YNE	Puerto Cabezas	11,430	26.25 P
YNE	Puerto Cabezas	9,220	32.54 P
YNE	Puerto Cabezas	7,810	38.41 P
YNE	Puerto Cabezas	6,340	47.32 P
YNE	Puerto Cabezas	5,555	54.00 P
YNE	Puerto Cabezas	4,610	65.08 P
YNE	Puerto Cabezas	3,170	94.48 P
YNJ7	Wapam	6,350	47.24 P
YNJ7	Wapam	4,610	65.08 P
YNJ7	Wapam	3,175	94.48 P
YNJ5	Waspook	6,350	47.24 P
YNJ5	Waspook	4,610	65.08 P
YNJ5	Waspook	3,175	94.48 P

PANAMA			
Call	Location	Kc. Meters	Class
HP5I	Aquadulce	11,895	25.22 B
HP5F	Colon	6,075	49.38 B
HP5K	Colon	5,990	50.08 B
HP5L	David	11,740	25.55 B
HP5B	Panama	6,030	49.75 B
HP5J	Panama	9,605	31.23 B
HP5Z	Panama	6,120	49.02 B
HP5S		9,565	31.36 B

EL SALVADOR			
Call	Location	Kc. Meters	Class
YSL	San Salvador	14,985	20.02 P
YSL	San Salvador	14,960	20.05 P

SOUTH AMERICA

ARGENTINA			
Call	Location	Kc. Meters	Class
LRU	Buenos Aires	15,280	19.63 B
LRX	Buenos Aires	9,660	31.06 B
LSK3	Hurlingham	10,250	29.27 P
LSL1	Hurlingham	7,901	37.98 P
LSL2	Hurlingham	10,300	29.13 P
LSL3	Hurlingham	15,810	18.97 P
LSL4	Hurlingham	21,160	14.19 P
LSM2	Hurlingham	14,500	20.69 P
LSM3	Hurlingham	19,140	15.68 P
LSN1	Hurlingham	14,530	20.65 P
LSN2	Hurlingham	9,890	30.32 P
LSN6	Hurlingham	21,020	14.27 P
LSF	Monte Grande	19,600	15.31 P
LSH	Monte Grande	5,435	55.19 P
LSX	Monte Grande	10,350	28.98 P
LSY	Monte Grande	10,410	28.82 P

BOLIVIA			
Call	Location	Kc. Meters	Class
CP5	La Paz	6,080	49.34 B
CP7	La Paz	15,300	19.60 P

BRAZIL			
Call	Location	Kc. Meters	Class
PSA	Marapicu	21,080	14.23 P,B
PSE	Marapicu	14,935	20.09 P,B
PSF	Marapicu	14,690	20.42 P,B
PSH	Marapicu	10,220	29.35 P,B
PSK	Marapicu	8,185	36.65 P,B
PRF5	Rio de Janeiro	9,500	31.58 B
PPM	Sepetiba	10,310	29.10 P
PPQ	Sepetiba	11,670	25.71 P
PPU	Sepetiba	19,260	15.58 P
PPZ	Sepetiba	18,165	16.51 P

CHILE			
Call	Location	Kc. Meters	Class
CED	Antofagasta	10,230	29.33 P,B
CED	Antofagasta	8,035	37.34 P
CEC	La Granja	15,865	18.91 P
CEC	La Granja	10,670	28.12 P
CEC	La Granja	7,740	38.76 P
CB615	Santiago	6,150	48.78 B
CB960	Santiago	9,600	31.25 B

COLOMBIA			
Call	Location	Kc. Meters	Class
HJ4ABH	Armenia	9,520	31.51 B
HJA3	Barranquilla	3,376	88.83 P
HJ1ABB	Barranquilla	9,559	31.38 B
HJ1ABB	Barranquilla	6,115	49.06 B
HJ1ABG	Barranquilla	6,042	49.65 B
HKV	Boqota	8,795	34.11 B
HJN	Boqota	5,955	50.38 B
HJ3ABD	Boqota	6,050	49.59 B
HJ3ABH	Boqota	6,012	49.90 B
HJ3ABX	Boqota	6,122	49.01 B
HJ5ABD	Calí	6,085	49.30 B
HJ1ABE	Cartagena	9,500	31.58 B
HJ2ABC	Cucuta	9,575	31.34 B
HJ4ABC	Ibaque	6,451	49.26 B
HJ4ABB	Manizales	6,108	49.11 B
HJ4ABE	Medellin	6,097	49.20 B
HJ4ABU	Pereira	6,150	48.78 B
HJ1ABC	Quixdo	6,000	50.00 B
HJ1ABJ	Santa Marta	6,025	49.79 B

BRITISH GUIANA			
Call	Location	Kc. Meters	Class
VP3BG	Georgetown	6,130	48.94 B
VP3MR	Georgetown	6,010	49.92 A,B

DUTCH GUIANA			
Call	Location	Kc. Meters	Class
PZH	Paramaribo	7,000	42.86 B

ECUADOR			
Call	Location	Kc. Meters	Class
HCVT	Ambato	6,578	45.60 B
HC2CW	Guayaquil	8,400	35.71 B
HC2EBA	Guayaquil	9,441	31.78 B
HC2ET	Guayaquil	4,600	65.22 B
HC2JSB	Guayaquil	7,854	38.20 B
HC2RL	Guayaquil	6,635	45.22 B
HCETC	Quito	6,970	43.04 B
HCJB	Quito	8,948	33.53 B
HCJB	Quito	4,107	73.05 B
HC1PM	Quito	5,735	52.31 B
PRADO	Riobamba	6,620	45.32 B

TUNG-SOL AUTO RADIO TUBES VIBRATION-TESTED
RESIST SHOCK

PARAGUAY					Call				
Call	Location	Kc.	Meters	Class	Call	Location	Kc.	Meters	Class
ZP10	Asuncion	8,300	36.14	B	HI1A	Santiago de los Caballeros	6,190	48.47	B
ZP11	Asuncion	3,800	78.95	B	HI1S	Santiago de los Caballeros	6,420	46.73	B
PERU					HI5N	Santiago de los Caballeros	6,150	48.78	B
OAX6A	Arequipa	6,122	49.01	B	HI9B	Santiago de los Caballeros	6,040	49.57	B
OAX1B	Chiclayo	6,164	48.67	B	HI9	Ciudad Trujillo	6,280	47.77	B
OAX7A	Cuzco	6,128	48.96	B	HIN	Ciudad Trujillo	11,280	26.50	B
OAX4P	Huancayo	6,122	49.01	B	HIN	Ciudad Trujillo	6,243	48.05	B
OAX5A	Ica	1,804	25.42	B	HIT	Ciudad Trujillo	6,630	45.25	B
OAX4D	Lima	5,780	51.90	B	HIX	Ciudad Trujillo	6,340	47.32	B
OAX4G	Lima	6,260	47.92	B	HIZ	Ciudad Trujillo	6,310	47.54	B
OAX4I	Lima	9,330	32.15	B	HI2D	Ciudad Trujillo	6,900	43.48	B
OAX4K	Lima	6,425	46.67	B	HI4D	Ciudad Trujillo	6,555	45.76	B
OCI	Lima	18,670	16.08	P	HI8A	Ciudad Trujillo	6,479	46.31	B
URUGUAY					HI8Q	Ciudad Trujillo	6,198	48.08	B
CWH	Cerrito	13,140	22.83	P	FRENCH WEST INDIES				
CWD	Montevideo	5,830	51.46	P	Fort de France, Martinique				
CXA4	Montevideo	6,125	48.98	B	9,360 32.05 B				
VENEZUELA					HAITI				
YV3RA	Barquisimeto	5,899	50.84	B	HH2S	Port-au-Prince	5,925	50.64	B
YV5RC	Caracas	5,800	51.72	B	HH2Y	Port-au-Prince	9,551	31.41	B
YV5RD	Caracas	6,156	48.73	B	HH3W	Port-au-Prince	9,645	31.10	B
YV5RF	Caracas	6,380	47.02	B	JAMAICA				
YV5RH	Caracas	6,400	46.88	B	VRR4	Stony Hill	11,595	25.88	P
YV5RJ	Caracas	6,250	48.00	B	EUROPE				
YV5RP	Caracas	6,270	47.84	B	AUSTRIA				
YV6RB	Ciudad Bolivar	6,545	45.84	B	OER2	Vienna	11,801	25.42	B
YV1RI	Coro	6,205	48.35	B	AZORES				
YV1RM	Maracaibo	6,500	46.15	B	CT2AJ	San Miguel	4,002	74.77	A,B
YV1RB	Maracaibo	5,850	51.28	B	BELGIUM				
YV1RD	Maracaibo	6,075	49.38	B	ORG	Ruyssedele	19,200	15.62	P
YV1RH	Maracaibo	6,365	47.14	B	ORK	Ruyssedele	10,330	29.03	B
YVO	Maracay	13,337	22.47	P	BULGARIA				
YVO	Maracay	6,672	44.96	P	LZA	Sofia	14,970	20.04	B
YV4RD	Maracay	6,300	47.62	B	CZECHOSLOVAKIA				
YV1SRV	Maracay	5,917	50.71	B	OLR2B	Podebrady	6,030	49.75	B
YV2RA	San Cristobal	5,710	52.54	B	OLR3A	Podebrady	9,550	31.41	B
YV4RB	Valencia	6,520	46.01	B	OLR4A	Podebrady	11,840	25.34	B
YV4RH	Valencia	5,917	50.71	B	OLR5A	Podebrady	15,230	19.70	B
YV1RG	Valera	6,230	48.15	B	OLR5C	Podebrady	15,160	19.79	B
WEST INDIES					OLR6A	Podebrady	21,450	13.99	B
BERMUDA					DENMARK				
ZFA	Hamilton	5,025	59.70	P	OXY	Skamlebaek	6,060	49.50	B
ZFB	St. George	10,055	29.84	P	FRANCE				
ZFD	St. George	10,335	29.03	P	FYB	Paris	10,578	28.36	T
CUBA					TPA2	Pontoise	15,243	19.68	B
CO9JO	Camaguey	8,665	34.62	B	TPA3	Pontoise	11,880	25.25	B
CMA3	Havana	15,505	19.35	E	TPA4	Pontoise	11,720	25.60	B
COCD	Havana	6,130	48.94	B	TYA	Pontoise	12,215	24.56	P
COCH	Havana	9,428	31.82	B	TYA2	Pontoise	9,040	33.19	P
COCO	Havana	6,010	49.92	B	TYB	Pontoise	12,250	24.49	P
COCQ	Havana	9,740	30.80	B	TYE	Pontoise	18,090	16.58	P
COCX	Havana	11,435	26.24	B	TYE2	Pontoise	13,760	21.80	P
COHE	Sancti Spiritus	6,280	47.77	B					
COKG	Santiago	6,200	48.39	B					
DOMINICAN REPUBLIC									
HI3C	La Romana	6,730	43.48	B					
HIH	San Pedro de Macoris	6,775	44.38	B					
HI1J	San Pedro de Macoris	5,865	51.15	B					

GERMANY				SPAIN			
Call	Location	Kc.	Meters Class	Call	Location	Kc.	Meters Class
DFT	Nauen	7,812	38.40 P	ECN1	Barcelona	7,220	41.55 B
DGU	Nauen	9,650	31.09 P	EGP1	Barcelona	7,020	42.73 B
DGM	Nauen	9,920	30.24 P	EAJ33	Caramaca	10,350	28.98 B
DGD	Nauen	10,210	29.38 P	EAO	Madrid	19,720	15.21 P
DGH	Nauen	10,440	28.74 P	EAO	Madrid	9,860	30.43 B
DAF	Norddeich	11,340	26.46 P	EAR	Madrid	9,480	31.65 B
DAF	Norddeich	13,275	22.60 P	EDN	Madrid	10,070	29.79 E
DAF	Norddeich	17,265	17.30 P	SWEDEN			
DLO	Fehmarn	19,947	15.04 P	SBG	Motala	11,705	25.63 E
DAS	Kuegen	8,330	36.01 P	SBG	Motala	6,060	49.50 E
DJA	Zeesen	9,560	31.38 B	SM6SD	Stockholm	7,281	41.20 B
DJB	Zeesen	15,200	19.74 B	SM6SX	Stockholm	11,705	25.63 B
DJC	Zeesen	6,020	49.83 B	SWITZERLAND			
DJD	Zeesen	11,770	25.49 B	HB9B	Basle	3,770	79.56 B
DJE	Zeesen	17,760	16.89 B	HB9AO	Lausanne	3,525	85.11 B
DJL	Zeesen	15,110	19.85 B	HBJ	Prangins	14,535	20.64 P
DJM	Zeesen	6,079	49.35 B	HBO	Prangins	11,385	26.35 B
DJN	Zeesen	9,540	31.45 B	HBL	Prangins	9,595	31.27 B
DJO	Zeesen	11,795	25.43 B	HBP	Prangins	7,797	38.47 B
DJP	Zeesen	11,855	25.31 B	UNITED KINGDOM			
DJQ	Zeesen	15,280	19.63 B	GSA	Davenport	6,050	49.59 B
HUNGARY				GGB	Davenport	9,510	31.55 B
HAS3	Szekesfehervar	15,370	19.52 B	GSC	Davenport	9,580	31.32 B
HAS5	Szekesfehervar	17,130	17.51 B	GSD	Davenport	11,750	25.53 B
HAT4	Szekesfehervar	9,125	32.87 B	GSE	Davenport	11,860	25.30 B
ICELAND				GSI	Davenport	15,140	19.81 B
TFJ	Reykjavik	12,235	24.52 B	GSG	Davenport	17,790	16.86 B
ITALY				GSH	Davenport	21,470	13.97 B
IAC	Coltano	12,795	23.44 P	GSI	Davenport	15,260	19.66 B
IAC	Coltano	4,355	68.89 P	GSJ	Davenport	21,530	13.93 B
IRW	Rome	19,520	15.37 P	GSO	Davenport	15,180	19.76 B
IRY	Rome	16,120	18.61 P	GSP	Davenport	15,310	19.60 B
I2RO3	Rome	9,635	31.14 B	GBS	Rugby	12,150	24.69 P
I2RO4	Rome	11,810	25.40 B	GBU	Rugby	12,290	24.41 P
MADEIRA				GBW	Rugby	14,440	20.78 P
CT3AQ	Funchal	4,000	75.00 B, E	GCP	Rugby	10,770	27.86 P
NETHERLANDS				U. S. S. R.			
PIIJ	Dordrecht	7,082	42.36 A, B	RIO	Baku	10,170	29.48 P
PCJ	Huizen	9,590	31.28 E, B	RAN	Moscow	9,600	31.25 B
PHI	Huizen	17,770	16.88 B	RKI	Moscow	15,040	19.95 P
PHI	Huizen	11,730	25.57 B	RV59	Moscow	12,000	25.00 B, P
PCK	Kootwijk	18,405	16.30 P	RV99	Moscow	6,000	50.00 B
NORWAY				VATICAN CITY			
LKJ1	Jeloy	9,530	31.48 B	HVJ	Vatican City	15,123	19.84 B
LKJ1	Jeloy	6,130	48.94 B	HVJ	Vatican City	5,969	50.26 B
LKJ1	Jeloy	4,100	73.17 E	YUGOSLAVIA			
POLAND				YTC	Belgrade	6,100	49.20 B
SPW	Warsaw	13,635	22.00 P	OCEANIA			
PORTUGAL				AUSTRALIA			
CSW	Lisbon	11,040	27.17 B	VK3LR	Lyndhurst, Victoria	9,580	31.30 B
CSW	Lisbon	9,940	30.18 B	VK3ME	Melbourne	9,510	31.53 B
CT1AA	Lisbon	9,665	31.04 B	VK2ME	Sydney	9,590	31.26 B
CT1GO	Parade	11,900	25.21 B	VK6ME	Perth	9,593	31.28 E
CT1GO	Parade	6,132	48.92 B	NEW ZEALAND			
RUMANIA				ZLT	Wellington	11,000	27.27 P
YOI	Bucharest	6,000	50.00 B	FIJI ISLANDS			
HAWAIIAN ISLANDS				VPD2	Suva	8,720	34.40 B
UNITED KINGDOM				VPD	Suva	13,075	23.00 P
NETHERLANDS				HAWAIIAN ISLANDS			
NORWAY				KKH	Kahuku	7,520	39.87 P

World Short-Wave Time Table

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

List of Symbols

A—Thursday, Sunday
C—Monday, Wednesday, Friday
D—Daily
E—Tuesday, Thursday
F—Friday
H—Sunday, Monday, Wednesday, Friday
G—Tuesday, Thursday, Saturday
I—Irregularly
J—Tuesday, Thursday, Friday, Sunday
K—Monday, Friday
L—Wednesday, Saturday
M—Monday
N—Monday, Wednesday, Thursday

O—Monday, Tuesday, Wednesday, Friday
P—Except Tuesday, Wednesday
R—Sunday, Monday, Friday
S—Sunday
T—Tuesday
Th—Thursday
U—Sunday, Monday, Thursday
V—Sunday, Wednesday
W—Wednesday
Z—Tuesday, Friday
AC—Monday, Thursday, Saturday
AG—Tuesday, Sunday
AH—Monday, Wednesday, Saturday

AL—Except Monday, Sunday
AM—Monday, Thursday
AN—Tuesday, Saturday
Ba—Saturday
X—Except Saturday, Sunday
XB—Except Tuesday, Thursday
XC—Except Tuesday, Thursday, Sunday
XM—Except Monday
XS—Except Sunday
XW—Except Wednesday
XY—Except Tuesday, Sunday
XSa—Except Saturday

FILL IN LOCAL TIME												EASTERN STANDARD TIME												GREENWICH MEAN TIME																																															
5	6	7	8	9	10	11	M	1	2	3	4	8	9	10	11	N	1	2	3	4	5	6	7	13	14	15	16	17	18	19	20	21	22	23	00																																				
HOURS OF TRANSMISSION												HOURS OF TRANSMISSION												HOURS OF TRANSMISSION																																															
Wave-length Meters												Call Letters												Frequency Kc.												City Country																																			
1393 W8XK												21540 Pittsburgh, Pa.												1394 W2XE												21520 New York, N. Y.												1395 CSH												21470 Daventry, England											
1688 CSG												17790 Daventry, England												1687 W3XAL												17785 Bound Brook, N. J.												1688 PH1												17770 Huizen, Holland											
1689 W2XE												17760 New York, N. Y.												1689 DJE												17763 Zeesien, Germany *												1956 DJR												18340 Zeesien, Germany											
1957 W2XAD												18330 Schenectady, N. Y.												1962 LRU												18290 Buenos Aires, Arg.												1963 DJO												18280 Zeesien, Germany											
1965 W2XE												18270 New York, N. Y.												1966 CSI												18260 Daventry, England												1968 TPA2												18214 Pontoise, France											
1971 PCJ												18220 Huizen, Holland												1972 W8XK												18210 Pittsburgh, Pa.												1974 DJB												18200 Zeesien, Germany											
1975 ZBW4												18190 Hong Kong, China												1976 CSO												18180 Daventry, England												1982 GSF												18140 Daventry, England											
1984 HVJ												18121 Vatican City												1985 DJL												18110 Zeesien, Germany												2004 LZA												14970 Sofia, Bulgaria											
2055 JVH												14633 Nagasaki, Japan												2056 SPW												13633 Warsaw, Poland												2452 TFJ												12235 Reykjavik, Iceland											
2501 RV59 RNE)												12003 Moscow, U. S. S. R.												2524 TPA3												11885 Pontoise, France												2527 W8XK												11873 Pittsburgh, Pa.											
2536 W2XE												11870 New York, N. Y.												2536 W8XAA												11830 Chicago, Ill.												2540 I2RO												11810 Rome, Italy											

AMATEUR, AVIATION, POLICE, SHIP and EXPERIMENTAL BANDS

This list of allocations is only approximate, as changes are frequent and a completely revised list not obtainable from the Government.

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
1704-1708	Aviation	8540-8560	Coast 'phone
1712	Police	8650-8660	Experimental
1715-2000	Amateurs	9500-9600	Broadcast
2000-2300	Television	11370-11400	Coast 'phone
2340-2410	Aviation, ship service, etc.	11700-11900	Short-wave Broadcast
2410-2470	Police	12330	Aviation
2470-2490	Aviation	12855-12870	Experimental
2504-2508	State Police	14000-14400	Amateurs
2610-2850	Aviation and Television	15100-15340	Short-wave Broadcast
2850-3100	Aviation and Government	16440	Aviation
3155-3265	Government and Aviation	17080-17120	Coast 'phone
3420-3440	Coast 'phone	17300-17320	Experimental
3445-3490	Government and Aviation	17750-17810	Short-wave Broadcast
3490-3495	Experimental	21460-21540	Short-wave Broadcast
3500-3900	Amateurs, c.w. (code)	22675-22725	Coast 'phone
3900-4000	Amateurs, 'phone	23100-27100	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
5565-5695	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)
		401000-above	Experimental

SHIPS CALL LETTERS AND FREQUENCY BANDS

CALLS OF PRINCIPAL SHIPS

Call	Ship	Call	Ship
DDAC	Europa	FNUN	Champlain
DDAS	Bremen	GBTT	Queen Mary
DDBR	Berlin	GBZW	Berengaria
DDCB	Columbus	GDJj	Comeric
DDCG	Resolute	GDXF	Brittania
DDCP	Cap Polonia	GFVV	Majestic
DDDX	Hamburg	GKfy	Minnertonka
DDEA	Cap Arcona	GLRZ	Aquitania
DDED	New York	GLSO	Olympic
DDFT	Oceana	GMBj	Empress of Britain
DDNY	Albert Ballin	GMLQ	Belgenland
FNKR	De Grasse	GRLj	Georgic
FNSK	Normandie	IBLI	Comte de Savoia
FNSM	Ile de France	ICEJ	Rex
FNTQ	Paris	JIAA	Kemikawa-Cho, Japan
FNUI	Lafayette	VTsx	Monarch of Bermuda

FREQUENCY BANDS USED BY SHIPS

Kilocycles
German Ships
4050 - 4285 - 8470
11140 - 12325 - 12600
13040 - 16665
British Ships
8830 - 13320 - 17640
Italian Ships
8770 - 13050 - 17225
French Ships
8830 - 13210

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.
HVO—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.
OKY—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, Pisa, 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.
CRG, ORP—Radio Communication, Brussels, Belg.

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.
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.
PRA3 or PSK—Radio Club do Brasil, Rio de Janeiro, Brazil, S. A.
HIX—Estacion Radiodifusora HIX, Santo Domingo, R. D.
KEBT—Apartado 79-44, Mexico, D. F.
COCO—Apartado 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—Merchandise Mart, Chicago, Ill.
WBXAL—Crosley Radio Corp., Cincinnati, Ohio.
W4XB—WIOD News Tower, Miami Beach, Florida.
WBXK—William Penn Hotel, Pittsburgh, Pa.
W3XAL—30 Rockefeller Plaza, New York City, N. Y.
W2XE—485 Madison Avenue, New York City, N. Y.
CJRO } —Royal Alexandra Hotel, Winnipeg, Manitoba, Canada.
CJRX }
CRCK—Toronto, Ontario, Canada.
CSA, CGA, VE9DR—Canadian Marconi Co., Box 1690, Montreal.
VE9CS—734 Davie Street, Vancouver, Canada.
VE9B9—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 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

FRENCH SHIPS—French Line, 610 Fifth Ave., New York City.
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 "Conte de Savoia," 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	Q	(Abbreviations)
CSA-CUZ	Portugal	R	U. S. S. R.
CVA-CKZ	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-
F	France and Colonies and Protectorates	U	torates
G	Great Britain	VAA-VGZ	U. S. S. R.
HAA-HAZ	Hungary	VHA-VMZ	Canada
HBA-HBZ	Switzerland	VOA-VOZ	Australia
HCA-HCZ	Ecuador	VPA-VSZ	Newfoundland
HHA-HHZ	Haiti	VTA-VWZ	British Colonies and Protectorates
HIA-HIZ	Dominican Republic	VXA-VYZ	British India
HJA-HKZ	Colombia	W	Canada
HPA-HPZ	Republic of Panama	XAA-XFZ	United States of America
HRA-HRZ	Honduras	XGA-XUZ	Mexico
HSA-HSZ	Siam	XYA-XZZ	China
HVA-HVZ	Vatican City	YAA-YAZ	British India
HZA-HZZ	Saudi Arabia	YBA-YHZ	Alghanistan
I	Italy and Colonies	YIA-YIZ	Dutch East Indies
J	Japan	YJA-YJZ	Iraq
K	United States of America	YLA-YLZ	New Hebrides
LAA-LNZ	Norway	YMA-YMZ	Latvia
LOA-LWZ	Argentina	YNA-YNZ	Free City of Danzig
LXA-LXZ	Luxemburg	YOA-YRZ	Nicaragua
LYA-LYZ	Lithuania	YSA-YSZ	Roumania
LZA-LZZ	Bulgaria	YTA-YUZ	Republic of El Salvador
M	Great Britain	YVA-YWZ	Yugoslavia
N	United States of America	ZAA-ZAZ	Venezuela
OAA-OCZ	Peru	ZBA-ZBZ	Albania
OEA-OEZ	Austria	ZKA-ZMZ	British Colonies and Protectorates
OFA-OHZ	} Finland	ZPA-ZPZ	New Zealand
OIA-OJZ		ZSA-ZUZ	Paraguay
OKA-OKZ	Czechoslovakia	ZVA-ZVZ	Union of South Africa
ONA-OTZ	Belgium and Colonies		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.

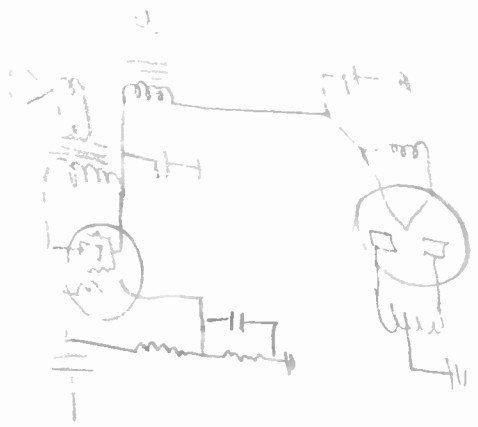
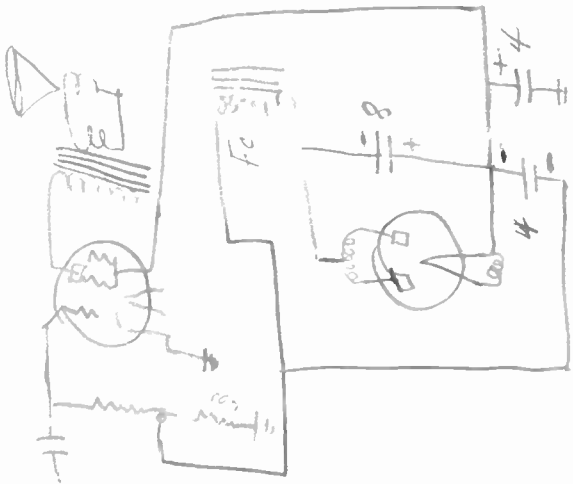
Every tube is tested many times during the process of manufacture to insure mechanical perfection and, finally, for actual performance. They are built to surpass standard engineering requirements and to maintain a long-standing reputation for a product of high quality.

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



CARNES
Radio Sales and Service

119 N. Main St.

Phone 5411-W

Santa Ana, California

