

THE
Listener's Guide
TO WORLD RADIO TOURS



GENERAL
ELECTRIC
Focused Tone
RADIO

General Electric Radio

LISTENER'S GUIDE

This book has been compiled to give you a ready reference to the many fine radio broadcasting services which fill the air and which you should not miss.

It tells you *where* and *when* to tune for world radio tours that open up gate-ways of new adventure and thrills.

In addition, there is an index to the principal broadcasting stations of the United States and Canada. This Listener's Guide contains other interesting information which will enable you to enjoy the utmost pleasure from your radio.

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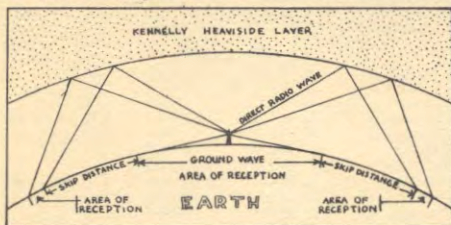
GENERAL ELECTRIC COMPANY

Appliance and Merchandise Department, Bridgeport, Connecticut

IN THE REALM OF RADIO

KILOCYCLES, MEGACYCLES AND METERS

Radio signals like light waves travel at the speed of 186,000 miles per second. In the world of radio this means a speed equal to about 300,000,000 meters per second—a meter being a little longer than a yard. When a broadcasting station receives a license to “go on the air” it is assigned a definite wavelength or frequency. The number of radio impulses or waves sent out per second is the station’s frequency. The distance between these successive impulses as they travel from the transmitter is the station’s wavelength. “Kilo” means a thousand. Therefore, kilocycle means a thousand waves or cycles, a second. The term “kilocycle” rather than “wavelength” has become the accepted standard for designating a station’s frequency. For example, WEAF is licensed to broadcast at the rate of 660,000 cycles per second or 660 “kilocycles.”



The “kilocycle” listing is a simple and quick guide to station selection. Some people, on the other hand, are accustomed to identifying a station by its “wavelength.” A station’s wavelength is the fixed speed at which radio waves travel (in meters per second) divided by the number of waves per second. In the case of WEAF, this would be $300,000,000 \div 660,000 = 454.3$. Thus WEAF is identified by its rating of 454.3 “meters” or 660 “kilocycles.” Frequencies higher than one million cycles are usually designated as “megacycles.” “Mega” means a million. Station VK3ME, Melbourne, Australia, which is licensed to send out signals at the rate of 9,510,000 cycles per second, is listed as 9.51 “megacycles.” A signal of this frequency has a wavelength of 31.5 meters. The Sliding-Rule Tuning Scale of the General Electric Focused-Tone receiver is marked in “kilocycles” for the lower frequencies and in “megacycles” for the higher frequencies. To further simplify tuning, the important short-wave channels are also indicated in

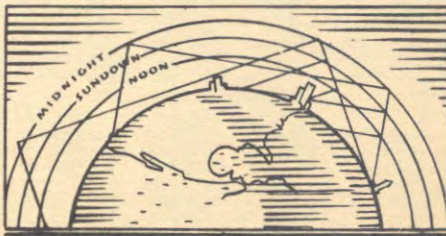
meters, i.e., 13, 16, 19, 25, 31, 41, and 49 meters.

Behavior of Short Waves

When short waves leave the station antenna they travel in all directions. That portion which travels close to the ground is called the ground wave. This wave is soon absorbed by buildings, metal deposits and natural screens. Other waves start off toward the sky at angles determined by the design of the antenna and the frequency of the transmitter. They travel in a straight line until, at a point probably 75 to 125 miles up in the air, they encounter that region known as the Kennelly-Heaviside layer. This layer acts somewhat like a reflector and turns the wave back toward the earth. As a result, the waves which started away from the ground finally come back to the earth’s surface many hundreds of miles from their starting point. The distance between the terminus of the ground wave and the point of the reflected wave’s return to the earth is called the “skip distance” and in this area it is not possible to hear the station with any degree of reliability. This explains why a short-wave station of relatively low power is often heard with good volume several thousands of miles away, whereas its signal may be completely missing only fifty miles or so from the transmitter.

The Kennelly-Heaviside Layer

The height of the Kennelly-Heaviside layer varies with the time of day and the season. Because of this, the signals change in strength as the hours pass from daylight to darkness. To overcome this objection, radio engineers have worked out charts which give the best wavelength to use at every hour of the day, and these charts are followed closely in selecting the frequency best suited for any particular broadcasting schedule.



Broadcasting Stations of the United States

ARRANGED BY STATES AND CITIES
WITH CALL LETTERS, POWER AND FREQUENCY

(Stations rated at 250 watts and up)

City	Call Letters	Watts	Frequency in Kilocycles	City	Call Letters	Watts	Frequency in Kilocycles
ALABAMA				DISTRICT OF COLUMBIA			
Birmingham	WAPI	5000	1140 (R or B)	Washington	WJSV	10,000	1460 (C)
Birmingham	WBRC	1000	930 (C)	Washington	WMAL	250	630 (B)
Dothan	WAGF	250	1370 (C)	Washington	WRC	500	950 (R)
Mobile	WALA	500	1380 (C)	FLORIDA			
Montgomery	WSFA	500	1410 (C)	Clearwater	WFLA	1000	620 (R or B)
ARIZONA				Gainesville	WRUF	5000	830
Phoenix	KOY	500	1390	Jacksonville	WJAX	1000	900 (R or B)
Phoenix	KTAR	1000	620 (R or B)	Miami	WIOD	1000	1300 (R or B)
Tucson	KVOA	500	1260	Miami	WQAM	1000	560 (C)
ARKANSAS				Orlando	WDBO	250	580 (C)
Fayetteville	KUOA	1000	1260	Pensacola	WCOA	500	1340 (C)
Hot Springs	KTHS	10,000	1040 (R or B)	St. Petersburg	WSUN	1000	620 (R or B)
Little Rock	KARK	250	890	Tampa	WDAE	1000	1220 (C)
Little Rock	KLRA	1000	1390 (C)	GEORGIA			
CALIFORNIA				Athens	WTFI	500	1450
Bakers Field	W6XA1	1000	1550	Atlanta	WGST	500	890 (C)
Beverly Hills	KMPC	500	710	Atlanta	WSB	50,000	740 (R or B)
Burbank	KELW	500	780	Macon	WMAZ	1000	1180
Chico	KHSL	250	950	Savannah	WTOC	1000	1260 (C)
Eureka	KIEM	500	1450	IDAHO			
Fresno	KMJ	1000	580	Boise	KIDO	1000	1350
Glendale	KIEV	250	850	Idaho Falls	KID	250	1320
Hollywood	KFWB	1000	950	Pocatello	KSEI	250	900
Hollywood	KMTR	1000	570	Twin Falls	KTFI	500	1240
Hollywood	KNX	50,000	1050	ILLINOIS			
Long Beach	KFOK	1000	1250	Chicago	WAAF	500	920
Long Beach	KGER	1000	1360	Chicago	WBBM	50,000	770 (C)
Los Angeles	KECA	1000	1430 (R or B)	Chicago	WCFL	5000	970 (B)
Los Angeles	KFAC	1000	1300	Chicago	WENR	50,000	870 (R or B)
Los Angeles	KFI	50,000	640 (R or B)	Chicago	WGES	500	1360
Los Angeles	KFSG	500	1120	Chicago	WGN	50,000	720 (M)
Los Angeles	KFVD	250	1000	Chicago	WJJD	20,000	1130
Los Angeles	KHJ	1000	900 (C)	Chicago	WLS	50,000	870 (R or B)
Los Angeles	KNX	50,000	1050	Chicago	WMAQ	50,000	670 (R or B)
Los Angeles	KRKD	500	1120	Chicago	WMBI	5000	1080
Los Angeles	KTM	500	780	Peoria	WMBD	500	1440 (C)
Modesto	KTRB	250	740	Quincy	WTAD	500	900
Oakland	KLS	250	1440	Rockford	WROK	500	1410
Oakland	KLX	1000	880	Tuscola	WDZ	250	1020
Oakland	KROW	1000	930	Urbana	WILL	250	890
Sacramento	KFBK	5000	1490 (C)	Waukegan	WCBD	5000	1080
San Diego	KFSD	1000	600 (R or B)	INDIANA			
San Diego	KGB	1000	1330 (C)	Evansville	WGBF	500	630
San Francisco	KFRC	1000	610 (C)	Fort Wayne	WOWO	10,000	1160 (C)
San Francisco	KGO	7500	790 (R or B)	Gary	WIND	1000	560
San Francisco	KJBS	500	1070	Indianapolis	WFBM	1000	1230 (C)
San Francisco	KPO	50,000	680 (R or B)	Indianapolis	WIRE	500	1400 (R)
San Francisco	KSFO	1000	560	South Bend	WSBT	500	1360 (C)
San Francisco	KYA	1000	1230 (R or B)	West Lafayette	WBAA	500	890
San Jose	KQW	1000	1010	IOWA			
Stockton	KGDM	1000	1100	Ames	WOI	5000	640
COLORADO				Cedar Rapids	WMT	500	600 (B)
Colorado Springs	KVOR	1000	1270 (C)	Council Bluffs	KOIL	1000	1260 (B)
Denver	KFEL	500	920	Des Moines	KRNT	500	1320 (C)
Denver	KLZ	1000	560 (C)	Des Moines	KSO	500	1430 (B)
Denver	KOA	50,000	830 (R or B)	Des Moines	WHO	50,000	1000 (R)
Denver	KPOF	500	880	Iowa City	WSUI	500	880
Denver	KVOD	500	920	Shenandoah	KFNF	500	890
Greeley	KFKA	500	880	Shenandoah	KMA	1000	930
Pueblo	KGHF	500	1320	Sioux City	KSCJ	1000	1330 (C)
CONNECTICUT				KANSAS			
Bridgeport	WICC	500	600 (C)	Abilene	KFBI	5000	1050
Hartford	WDRG	1000	1300 (C)	Coffeyville	KGGF	1000	1010
Hartford	WTIC	50,000	1040 (R)	Dodge City	KGNO	250	1340
New Britain	WNBC	250	1380	Lawrence	KFKU	1000	1220
New Haven	WELI	500	900	Lawrence	WREN	1000	1220 (B)
Waterbury	WIXBS	1000	1530	Manhattan	KSAC	500	580
DELAWARE				Topeka	WIBW	1000	580 (C)
Wilmington	WDEL	250	1120	Wichita	KFH	1000	1300 (C)

Broadcasting Stations of the United States

(CONTINUED)

City	Call Letters	Watts	Frequency in Kilocycles	City	Call Letters	Watts	Frequency in Kilocycles
KENTUCKY				MONTANA (Cont'd)			
Covington	WKCY	500	1490 (B)	Great Falls	KFBB	1000	1280
Louisville	WAVE	1000	940 (R or B)	Missoula	KGVO	1000	1260
Louisville	WHAS	50,000	820 (C)	NEBRASKA			
LOUISIANA				Clay Center	KMMJ	1000	740
New Orleans	WDSU	1000	1250	Lincoln	KFAB	10,000	770 (C)
New Orleans	WSMB	500	1320 (R or B)	Norfolk	WJAG	1000	1060
New Orleans	WWL	10,000	850 (C)	North Platte	KGNF	1000	1430
Shreveport	KTBS	1000	1450 (R or B)	Omaha	WAAW	500	660
Shreveport	KWKH	1000	850 (C)	Omaha	WOW	1000	590 (R)
MAINE				York	KGBZ	1000	930
Bangor	WLBZ	500	620 (C)	NEVADA			
Portland	WCSH	1000	940 (R)	Reno	KOH	500	1380 (C)
MARYLAND				NEW HAMPSHIRE			
Baltimore	WBAL	10,000	1060 (B)	Manchester	WFEA	500	1340 (C)
Baltimore	WCAO	500	600 (C)	Portsmouth	WHEB	250	740
Baltimore	WFBR	500	1270 (R)	NEW JERSEY			
Cumberland	WTBO	250	800	Asbury Park	WCAP	500	1280
Frederick	WFMD	500	900	Atlantic City	WPG	5000	1100 (C)
MASSACHUSETTS				Camden	WCAM	500	1280
Boston	WAAB	500	1410 (C)	Jersey City	WAAT	500	940
Boston	WBZ	50,000	990 (B)	Jersey City	WHOM	250	1450
Boston	WCOP	500	1120	Newark	WHBI	1000	1250
Boston	WEEL	1000	590 (R)	Newark	WNEW	1000	1250
Boston	WHDH	1000	830	Newark	WOR	50,000	710 (M)
Boston	WNAC	1000	1230 (C)	Trenton	WTNJ	500	1280
Fall River	WSAR	250	1450	Zarephath	WAWZ	500	1350
Needham	WORL	500	920	NEW MEXICO			
Springfield	WBZA	1000	990 (B)	Albuquerque	KGGM	250	1230
Springfield	WMAS	100	1420 (C)	Albuquerque	KOB	10,000	1180
Springfield	WSPR	500	1140	NEW YORK			
Worcester	WORC	500	1280 (C)	Albany	WOKO	500	1430 (C)
Worcester	WTAG	500	580 (R)	Brooklyn	WARD	500	1400
MICHIGAN				Brooklyn	WBBC	500	1400
Bay City	WBCM	500	1410	Brooklyn	WBBR	1000	1300
Detroit	WJR	50,000	750 (C)	Brooklyn	WEGL	500	1400
Detroit	WJW	1000	920 (R)	Brooklyn	WLTH	500	1400
Detroit	WXYZ	1000	124½ (B)	Brooklyn	WVFW	500	1400
East Lansing	WKAR	1000	1040	Buffalo	WBEN	1000	900 (R)
Grand Rapids	WASH	500	1270 (R or B)	Buffalo	WGR	1000	550 (C)
Grand Rapids	WOOD	500	1270 (R or B)	Buffalo	WKBW	5000	1480 (C)
Kalamazoo	WKZO	1000	590	Buffalo	WCAD	500	1220
MINNESOTA				Canton	WESG	1000	1040 (C)
Minneapolis	WCCO	50,000	810 (C)	Elmira	WABC	50,000	860 (C)
Minneapolis	WDGY	1000	1180	New York	WBNX	250	1350
Minneapolis	WLB	1000	1250	New York	WEAF	50,000	660 (R)
Minneapolis	WTCN	1000	1250	New York	WEVD	1000	1300
Northfield	WCAL	1000	1250	New York	WFAB	1000	1300
St. Paul	KSTP	25,000	1460 (R or B)	New York	WHN	1000	1010
MISSISSIPPI				New York	WINS	1000	1180
Jackson	WJDX	1000	1270 (R or B)	New York	WJZ	50,000	760 (B)
Meridian	WCOC	500	880	New York	WLWL	5000	1100
Vicksburg	WQBC	1000	1360	New York	WMCA	500	570
MISSOURI				New York	WNYC	1000	810
Clayton	KFUO	500	550	New York	WOV	1000	1130
Columbia	KFRU	500	630	Plattsburg	WMFF	250	1310
Jefferson City	WOS	500	630	Rochester	WHAM	50,000	1150 (B)
Kansas City	KMBC	1000	950 (C)	Rochester	WHEC	500	1430 (C)
Kansas City	WDAF	1000	610 (R)	Schenectady	WGY	50,000	790 (R)
Kansas City	WHB	1000	860	Syracuse	WFBL	1000	1360 (C)
St. Joseph	KFEQ	2500	680	Syracuse	WSYR	250	570 (B)
St. Louis	KMOX	50,000	1090 (C)	Troy	WHAZ	500	1300
St. Louis	KSD	500	550 (R)	NORTH CAROLINA			
St. Louis	KWK	1000	1350 (B)	Ashville	WWMC	1000	570 (R or B)
St. Louis	WEW	1000	760	Charlotte	WBT	50,000	1080 (C)
Springfield	KWTO	5000	560	Greensboro	WBG	500	1440 (C)
MONTANA				Raleigh	WPTF	5000	680 (R or B)
Billings	KGHL	1000	950 (R or B)	NORTH DAKOTA			
Butte	KGIR	1000	1340 (R or B)	Bismarck	KFYR	1000	550 (R or B)
				Fargo	WDAY	1000	940
				Mandan	KGU	250	1240
				Minot	KLPM	250	1240

Broadcasting Stations of the United States

(CONTINUED)

City	Call Letters	Watts	Frequency in Kilocycles	City	Call Letters	Watts	Frequency in Kilocycles
OHIO				TENNESSEE (Cont'd)			
Akron	WADC	500	1320 (C)	Memphis	WREC	1000	600 (C)
Cincinnati	WKRC	500	550 (C)	Nashville	WLAC	5000	1470 (C)
Cincinnati	WLW	500,000	700 (R or B) (M)	Nashville	WSM	50,000	650 (R or B)
Cincinnati	WSAI	1000	1330 (R)	TEXAS			
Cleveland	WGAR	500	1450 (B)	Amarillo	KGNC	1000	1410
Cleveland	WHK	1000	1390 (C)	Beaumont	KFDM	500	560
Cleveland	WJAY	500	610	College Station	WTAW	500	1120
Cleveland	WTAM	50,000	1070 (R)	Dallas	KRLD	10,000	1040 (C)
Columbus	WAU	500	640	Dallas	WFAA	50,000	800 (R or B)
Columbus	WBNS	500	1430 (C)	Dallas	WRR	500	1280
Columbus	WOSU	750	570	Fort Worth	KTAT	1000	1240
Dayton	WHIO	1000	1260 (R)	Fort Worth	WBAP	50,000	800 (R or B)
Tallmadge	WADC	1000	1320	Houston	KPRC	1000	920 (R or B)
Toledo	WSPD	1000	1340 (C)	Houston	KTRH	1000	1290 (C)
Youngstown	WKBN	500	570 (C)	Houston	KXYZ	1000	1440
OKLAHOMA				Port Arthur	KPAC	500	1260
Enid	KCRC	250	1360	San Antonio	KTSA	1000	550 (C)
Norman	WNAD	1000	1010	San Antonio	WOAI	50,000	1190 (R or B)
Oklahoma City	KOMA	5000	1480 (C)	Weslaco	KRGV	500	1260
Oklahoma City	WKY	1000	900 (R or B)	Wichita Falls	KGKO	250	570 (C)
Tulsa	KTUL	500	1400 (C)	UTAH			
Tulsa	KVOO	25,000	1140 (R or B)	Ogden	KLO	500	1400
OREGON				Salt Lake City	KDYL	1000	1290 (R or B)
Corvallis	KOAC	1000	550	Salt Lake City	KSL	50,000	1130 (C)
Marshfield	KOOS	250	1200	VERMONT			
Portland	KALE	500	1300 (C)	Springfield	WNBX	1000	1260
Portland	KEX	5000	1180 (R or B)	Waterbury	WDEV	500	550
Portland	KFJR	500	1300	VIRGINIA			
Portland	KGW	1000	620 (R or B)	Alexandria	WJSV	10,000	1460
Portland	KOIN	1000	940 (C)	Harrisonburg	WSVA	500	550
Portland	KWJJ	500	1040	Norfolk	WTAR	500	780 (R or B)
PENNSYLVANIA				Petersburg	WPHR	500	880
Allentown	WCBA	500	1440	Richmond	WRVA	5000	1110 (R or B)
Allentown	WSAN	500	1440	Roanoke	WDBJ	1000	930 (C)
Greensburg	WHJB	250	620	WASHINGTON			
Harrisburg	WHP	500	1430 (C)	Pullman	KWSC	1000	1220
Philadelphia	KYW	10,000	1020 (R)	Seattle	KIRO	250	650
Philadelphia	WCAU	50,000	1170 (C)	Seattle	KJR	5000	970 (R or B)
Philadelphia	WFIL	500	560 (B)	Seattle	KOL	1000	1270 (C)
Philadelphia	WIP	1000	610	Seattle	KOMO	1000	920 (R or B)
Philadelphia	WBEN	250	920	Seattle	KTW	1000	1220
Philadelphia	WRAX	250	920	Seattle	KXA	250	760
Pittsburgh	KDKA	50,000	980 (B)	Spokane	KFPY	1000	890 (C)
Pittsburgh	KQV	500	1380	Spokane	KGA	5000	1470 (R or B)
Pittsburgh	WCAE	1000	1220 (R)	Spokane	KHQ	1000	590 (R or B)
Pittsburgh	WJAS	1000	1290 (C)	Tacoma	KMO	250	1330
Reading	WEEU	1000	830	Tacoma	KVI	1000	570 (C)
Scranton	WGBI	500	880	WEST VIRGINIA			
Scranton	WQAN	500	880	Bluefield	WHIS	250	1410
York	WORK	1000	1320	Charleston	WCHS	500	580
RHODE ISLAND				Fairmont	WMMN	500	890 (C)
Providence	WEAN	500	780 (C)	Huntington	WSAZ	1000	1190
Providence	WJAR	250	890 (R)	Wheeling	WVVA	5000	1160 (C)
Providence	WPRO	250	630	WISCONSIN			
SOUTH CAROLINA				Eau Claire	WTAQ	1000	1330
Charleston	WCSC	500	1360	LaCrosse	WKBH	1000	1380
Columbia	WIS	500	1010 (R or B)	Madison	WHA	2500	940
Greenville	WFBC	1000	1300	Madison	WIBA	1000	1280 (R or B)
Spartanburg	WSPA	1000	920	Milwaukee	WISN	250	1120 (C)
SOUTH DAKOTA				Milwaukee	WTMJ	1000	620 (R or B)
Brookings	KFDY	1000	780	Sheboygan	WHBL	500	1410
Huron	KGDY	250	1340	Stevens Point	WLBL	2500	900
Sioux Falls	KSOC	2500	1110	Superior	WEBC	1000	1290 (R or B)
Vermillion	KUSD	500	890	WYOMING			
Yankton	WNAX	1000	570 (C)	Casper	KDFN	500	1440
TENNESSEE				NETWORK AFFILIATIONS			
Chattanooga	WDOD	1000	1280 (C)	<i>C. Columbia Broadcasting System.</i>			
Knoxville	WNOX	1000	1010 (C)	<i>R. National Broadcasting Company—Red.</i>			
Memphis	WMC	1000	780 (R or B)	<i>B. National Broadcasting Company—Blue.</i>			
Memphis	WNBR	500	1430	<i>M. Mutual Broadcasting System.</i>			

Broadcasting Stations of Canada

Stations rated at 100 watts and up

Location	Call Letters	Watts	Frequency in Kilocycles	Location	Call Letters	Watts	Frequency in Kilocycles
ALBERTA				ONTARIO (Cont'd)			
Calgary	CFAC	100	930 (F)	North Bay	CFCH	100	930 (F)
Calgary	CFCN	10,000	1030	Ottawa	CKCO	100	1010 (F)
Calgary	CJGJ	100	690 (F)	Ottawa	CRCO	1000	880 (F)
Edmonton	CFRN	100	1260 (F)	Prescott	CFCL	100	930
Edmonton	CJCA	1000	730 (F)	St. Catharines	CKTB	100	1200 (F)
Edmonton	CKUA	500	580	Sault Ste. Marie	CJIC	100	1500
Lethridge	CJOC	100	1230 (F)	Sudbury	CKSO	1000	780 (F)
BRITISH COLUMBIA				Timmins	CKGB	100	1420
Chilliwack	CHWK	100	780 (F)	Toronto	CFRB	10,000	690 (C)
Kamloops	CFJC	100	880 (F)	Toronto	CKCL	100	580 (F)
Kelowna	CKOV	100	630 (F)	Toronto	CRCT	5000	840 (R or B)
Trail	CJAT	250	910 (F)	Waterloo	CKCR	100	1510
Vancouver	CJOR	500	600	Windsor	CKLW	5000	1030 (M)
Vancouver	CKCD	100	1010	Windsor	CRCW	500	600 (F)
Vancouver	CKMO	100	1410 (F)	PRINCE EDWARD ISLAND			
Vancouver	CKWX	100	1010 (F)	Charlottetown	CFCY	1000	630 (F)
Vancouver	CRCV	500	1100 (F)	QUEBEC			
MANITOBA				Chicoutimi	CRCS	100	950 (F)
Brandon	CKX	100	1120 (F)	Hull	CKCH	100	1210 (F)
Winnipeg	CJRC	500	1390 (F)	Montreal	CFCF	400	600 (R or B)
Winnipeg	CKY	15,000	960 (F)	Montreal	CHLP	100	1120 (F)
NEW BRUNSWICK				Montreal	CKAC	5000	730 (C)
Fredericton	CFNB	500	550 (F)	Montreal	CRCM	5000	910 (F)
Moncton	CKCW	100	1370 (F)	New Carlisle	CHNC	500	1410 (F)
St. John	CHSJ	500	1120 (F)	Quebec	CHRC	100	580 (F)
NOVA SCOTIA				Quebec	CKCV	100	1310 (F)
Glace Bay	VAS	2000	685	Quebec	CRCK	1000	1050
Halifax	CHNS	1000	930 (F)	SASKATCHEWAN			
Sydney	CJCB	1000	1240 (F)	Moose Jaw	CHAB	100	1200 (F)
Yarmouth	CJLS	100	1310	Moose Jaw	CJRM	1000	540 (F)
ONTARIO				Prince Albert	CKBI	100	1210 (F)
Brantford	CKPC	100	930 (F)	Regina	CHWC	500	1010 (F)
Chatham	CFCO	100	630 (F)	Regina	CKCK	500	1010 (F)
Fort William	CKPR	100	930 (F)	Saskatoon	CFQC	1000	840 (F)
Hamilton	CHML	100	1010 (F)	Yorkton	CJGX	1000	630 (F)
Hamilton	CKOC	500	1120 (F)	NEWFOUNDLAND			
Kingston	CRFC	100	1510	St. John's	VOAS	100	940
Kirkland Lake	CJKL	100	1310	St. John's	VOGY	400	840
London	CFPL	100	730 (F)	St. John's	VONF	500	1195
				St. John's	VOWR	500	681

NETWORK AFFILIATIONS

- F. Canadian Broadcasting Commission.
 C. Columbia Broadcasting System.
 R or B. National Broadcasting Company (Red or Blue Network).
 M. Mutual Broadcasting System.

Broadcasting Stations of U. S. Territories and Possessions

Location	Call Letters	Watts	Frequency in Kilocycles
ALASKA			
Anchorage	KFQD	250	780
Juneau	KINY	100	1310
Ketchikan	KGBU	500	900
HAWAIIAN ISLANDS			
Hilo	KHBC	100	1420
Honolulu	KGMB	1000	1320 (C)
Honolulu	KGU	2500	750 (R or B)

NETWORK AFFILIATIONS

- C. Columbia Broadcasting System.
 R. or B. National Broadcasting Company.

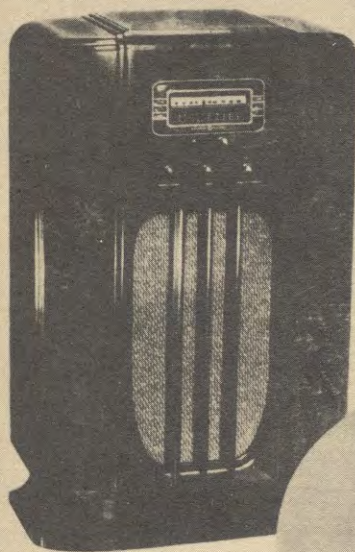
IT'S EASY TO TUNE
 IN YOUR FAVORITE
 STATION WITH A G-E
 FOCUSED TONE RADIO



Radio's Newest Marvel

GE Focused Tone

Revolutionizes Tuning! Auto

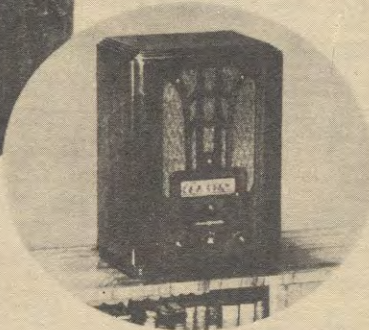


HERE'S something utterly new in radio—a radio that you simply can't tune wrong. If you set the dial of the new G-E the slightest bit off-tune—and nine out of ten people do without knowing it—an amazing thing happens. Instantly, the new G-E Radio automatically shifts itself into absolute hair-line tuning.

And as it corrects your tuning error, the new G-E Colorama Dial changes from red to green. When the dial flashes green you can be sure your program is in perfect Focused Tone—every note and accent flawless, life-like and true!

CUSTOM-TAILORED DIALS

The new G-E is a Personalized Radio—with a custom-tailored dial. Your own local station letters flash on when you tune in. This new G-E Dial puts an end to hunting up kilocycle numbers, too—stations are plainly marked by letters and kilocycles.



The new General Electric comes in 26 handsome models—priced from \$29.95 to \$750. Eastern list—slightly higher West and South.

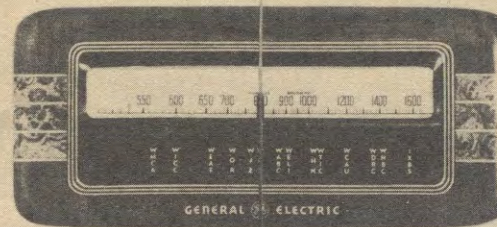
You'll be fascinated as you watch the new G-E shift itself into precision tuning. You'll get an even greater thrill when you close your eyes and listen to the whole new range of overtones and undertones which only the new G-E brings you.

SEE—AND HEAR—THE NEW G-E

Until you've heard the new G-E, you'll never know how far radio has leaped ahead in one short year. Stop in soon—there's a G-E Franchised Radio Dealer near you—and discover what your ears are missing. Compare the tone and performance of the new G-E with that of any radio at any price. When you've seen them all—and heard them all—you'll buy the new G-E.

WHAT IS FOCUSED TONE?

- It is G-E's new radio circuit that automatically and *quickly* shifts itself into hair-line tuning—perfect tone.
- It is the new G-E Colorama Dial which instantly changes from red to green to tell you that your program is perfectly tuned.
- It is the Personalized Radio with the custom-tailored Dial—your own local station letters flash on when you tune in.
- It is Silent Tuning—you can switch from one program to another without a single squeal, squawk, or screech.
- It is the combination of all the new and revolutionary G-E Radio inventions and developments—G-E Metal Tubes, the G-E Sentry Box, G-E Auditorium Loudspeakers, G-E Sliding Rule Tuning Scale, G-E Short Wave Antenna—which give you the finest, truest tone of any radio ever built—*that's Focused Tone!* Only the new G-E gives it to you—*VISIBLY—INSTANTLY—EVENLY.*



matically Assures *Perfect Tone!*



GLADYS SWARTZ...
—harsh, blurred, discordant tone. Nine out of ten people unknowingly tune in their radios off-focus.

The new G-E Radio automatically shifts itself into hair-line tuning every time. And at the same instant the Colorama Dial changes from red to green to tell you your program is in Perfect Focused Tone.

Radio—and the Movies.
—harsh, blurred, discordant tone. Nine out of ten people tune in their radios off-focus.

The new G-E brings you every radio service on the air

FOREIGN BROADCASTS—over all short-wave bands. Entrancing music—exciting news from the capitals of the world. A whole new world of radio enjoyment brought to you with life-like tone and precision.

DOMESTIC SHORT-WAVE STATIONS—particularly valuable for long distance day-time reception.

DOMESTIC PROGRAMS—heard with a perfection of tone never possible before.

POLICE CALLS—news, thrills, excitement!

ULTRA SHORT-WAVE—all frequencies, including the new ultra short-wave 30,000 to 40,000 kilocycle service now being rapidly extended across the country.

AMATEUR STATIONS—interesting amateur broadcasts—day and night.

AVIATION—exciting conversations between ships and air-ports—night and day.



GENERAL ELECTRIC Radio

You'll always be glad you bought a G-E

ELECTRIC YEARS AHEAD!

RESEARCH KEEPS GENERAL

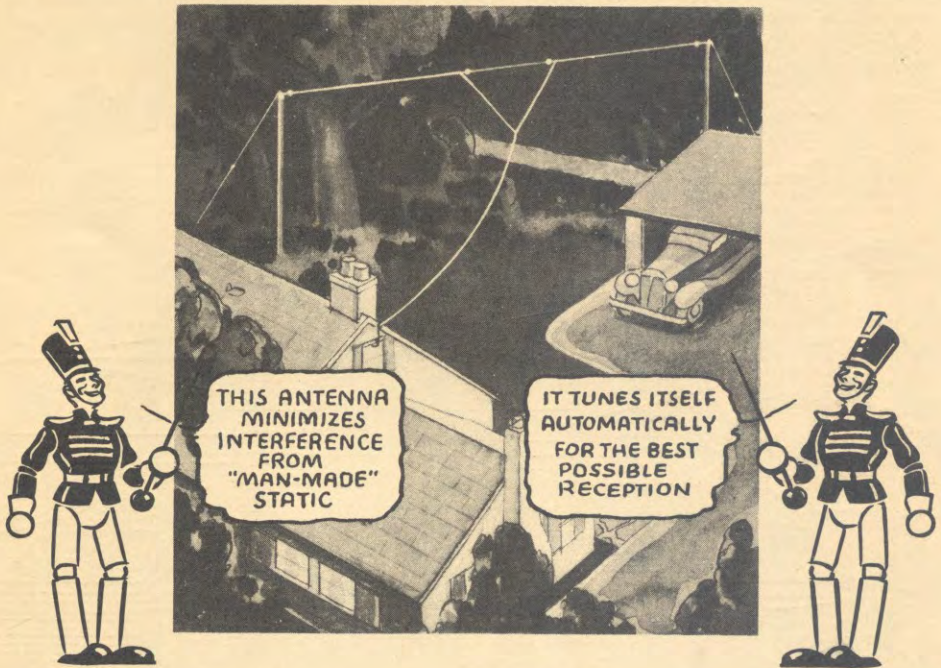
Police Radio Alarm Stations



Thrill to the exciting real-life drama that awaits you with a General Electric Radio equipped to receive police radio alarm signals. Tune in these stations. Ride in fancy with the men who, in radio patrol cars, daily risk their lives to maintain the safety of American cities. A list of the more important police call stations is given below.

Call	Location	Frequency in Megacycles	Call	Location	Frequency in Megacycles	Call	Location	Frequency in Megacycles
KGZV	Aberdeen, Wash.	2.41	KNGL	Galveston, Tex.	1.71	WPGB	Port Huron, Mich.	2.46
WPDO	Akron, Ohio	2.45	KNFH	Garden City, Kans.	2.47	WPFU	Portland, Me.	2.42
WPGH	Albany, N. Y.	2.41	WPFL	Gary, Ind.	2.47	KGPP	Portland, Ore.	2.44
KGLX	Albuquerque, N. M.	2.41	WPBE	Grand Rapids, Mich.	2.44	WPGI	Portsmouth, Ohio	2.43
KGZX	Albuquerque, N. M.	2.41	WRDR	Grosse Pt., Mich.	2.41	WPGF	Providence, R. I.	1.71
WPED	Arlington, Mass.	1.71	WPFK	Hackensack, N. J.	2.43	WPFH	Reading, Pa.	2.44
WPFSS	Asheville, N. C.	2.47	WPFJ	Hammond, Ind.	1.71	KGHM	Reno, Nev.	2.47
WPDY	Atlanta, Ga.	2.41	WPSF	Harrisburg, Pa.	1.67	WPDH	Richmond, Ind.	2.44
WPDN	Auburn, N. Y.	2.38	WMO	Highland Park, Mich.	2.41	WPHF	Richmond, Va.	2.45
KGHU	Austin, Tex.	2.44	KGZB	Houston, Tex.	1.71	WPDR	Rochester, N. Y.	2.38
KGPS	Bakersfield, Cal.	2.41	WPGO	Huntington, N. Y.	2.49	WPGD	Rockford, Ill.	2.45
WPFH	Baltimore, Md.	2.41	KNFB	Idaho Falls, Idaho	2.45	KNGF	Sacramento, Cal.	2.42
WPGY	Baton Rouge, La.	1.57	WMDZ	Indianapolis, Ind.	2.44	WPES	Saginaw, Mich.	2.44
WPGA	Bay City, Mich.	2.46	WPHF	Jackson, Mich.	2.46	KGPC	St. Louis, Mo.	1.70
KGPI	Beaumont, Tex.	1.71	WPFJ	Jacksonville, Fla.	2.44	WPDS	St. Paul, Minn.	2.43
WCK	Belle Island, Mich.	2.41	KIUK	Jefferson City, Mo.	1.67	KGZR	Salem, Ore.	2.44
KNFK	Bellingham, Wash.	2.49	WFFR	Johnson City, Tenn.	2.47	KGPW	Salt Lake City, Utah	2.40
KSW	Berkeley, Cal.	1.65	WPGZ	Johnson City, Tenn.	2.47	KGZE	San Antonio, Tex.	2.48
WPLG	Binghamton, N. Y.	2.44	KGPE	Kansas City, Mo.	2.42	KGZY	San Bernardino, Cal.	1.71
WPFM	Birmingham, Ala.	2.38	WPEP	Kenosha, Wis.	2.45	KGZD	San Diego, Cal.	2.49
WEY	Boston, Mass.	1.55	KGZH	Klamath Falls, Ore.	2.38	KGPD	San Francisco, Cal.	2.46
WPGU	Boston, Mass.	1.71	WFOF	Knoxville, Tenn.	2.47	KGPM	San Jose, Cal.	2.46
WPFW	Bridgeport, Conn.	2.47	WPDJ	Kokomo, Ind.	2.49	KGHX	Santa Ana, Cal.	2.43
WPHV	Bristol, Va.	2.45	KGPH	Lakota, Okla.	2.46	KGZO	Santa Barbara, Cal.	2.41
KGHT	Brownsville, Tex.	2.38	WFFT	Lakeland, Fla.	2.44	KGZT	Santa Cruz, Cal.	1.67
WMJ	Buffalo, N. Y.	2.42	WDDL	Lansing, Mich.	2.44	KGPF	Santa Fe, N. Mex.	2.41
WPHT	Cambridge, Ohio	1.68	KGHG	Las Vegas, Nev.	2.47	KGPA	Seattle, Wash.	2.41
KGOZ	Cedar Rapids, Iowa	2.46	KNFF	Leavenworth, Kans.	2.42	KGZL	Shreveport, La.	1.71
KGHW	Centralia, Wash.	2.41	WPET	Lexington, Ky.	1.70	KNFL	Shuksan, Wash.	2.49
KGZF	Chanute, Kans.	2.45	KGZU	Lincoln, Neb.	2.49	KGPK	Sioux City, Iowa	2.46
WPHI	Charleston, W. Va.	2.49	KGHZ	Little Rock, Ark.	2.40	KNFO	Skykomish, Wash.	2.49
WPDV	Charlotte, N. C.	2.45	KGFL	Los Angeles, Cal.	1.71	WPEH	Somerville, Mass.	1.71
WPDW	Chicago, Ill.	1.71	WPDE	Louisville, Ky.	2.44	WPGN	South Bend, Ind.	2.49
WPDG	Chicago, Ill.	1.71	KGZV	Lubbock, Tex.	2.48	WPGC	Schenectady, N. Y.	1.65
WDDC	Chicago, Ill.	1.71	WPHC	Massillon, Ohio	1.65	KGHS	Spokane, Wash.	2.41
KGHQ	Chinook Pass, Wash.	2.49	KGZS	McAlester, Okla.	2.45	WPHD	Steubenville, Ohio	2.45
WKDU	Cincinnati, Ohio	1.70	WPHG	Medford, Mass.	1.71	KNFO	Storm Lake, Iowa	1.68
WPFJ	Clarksburg, W. Va.	2.49	WPEC	Memphis, Tenn.	2.46	WPFQ	Swarthmore, Pa.	2.47
KNGE	Cleburne, Tex.	1.71	WPFZ	Miami, Fla.	2.44	WPEA	Syracuse, N. Y.	2.38
WRBH	Cleveland, Ohio	2.45	WPKD	Milwaukee, Wis.	2.45	KGZN	Tacoma, Wash.	2.41
KNFA	Clovis, N. Mex.	2.41	WPGS	Mineola, N. Y.	2.49	WPHN	Tampa, Fla.	2.46
KGZP	Coffeyville, Kans.	2.45	KGPB	Minneapolis, Minn.	2.43	WRDQ	Toledo, Ohio	2.47
WPFY	Columbus, Ga.	2.41	KGPR	Minneapolis, Minn.	2.43	KGZC	Topeka, Kans.	2.42
WPDY	Columbus, Ohio	2.43	WPGW	Mobile, Ala.	2.38	WPDA	Tulare, Cal.	2.41
WPGQ	Columbus, Ohio	1.59	WYR	Montreal, Canada	1.71	KGPO	Tulsa, Okla.	2.45
KNFM	Compton, Cal.	2.49	KNFI	Mt. Vernon, Wash.	2.41	WPGJ	Utica, N. Y.	2.41
KGHV	Corpus Christi, Tex.	2.38	WPGP	Muncie, Ind.	2.44	KGPG	Vallejo, Cal.	2.42
WPGK	Cranston, R. I.	2.46	WPFK	Muskegon, Mich.	2.44	KGZQ	Waco, Tex.	1.71
WPHS	Culver, Ind.	1.63	WPHB	Nashua, N. H.	2.42	WPDW	Washington, D. C.	2.42
KVP	Dallas, Tex.	1.71	WPGT	New Castle, Pa.	2.47	KNFN	Waterloo, Iowa	1.68
KGPN	Davenport, Iowa	2.46	WPEK	New Orleans, La.	2.43	WPEL	W. Bridgewater, Mass.	1.66
WPDH	Dayton, Ohio	2.43	WPPA	Newton, Mass.	1.71	KGHY	Whittier, Cal.	1.71
KGPK	Denver, Colo.	2.44	WPEE	New York, N. Y.	2.45	KGZP	Wichita, Kans.	2.45
KGHO	Des Moines, Iowa	1.68	WPEF	New York, N. Y.	2.45	KGZI	Wichita Falls, Tex.	2.45
KGZG	Des Moines, Iowa	2.46	WPEG	New York, N. Y.	2.45	WPHK	Wilmington, Ohio	1.59
WKDT	Detroit, Mich.	1.55	KMFP	Niagara Falls, N. Y.	2.42	VYV	Winnipeg, Man.	2.45
WPDX	Detroit, Mich.	2.41	WMPF	Niagara Falls, N. Y.	2.42	WPEM	Woonsocket, R. I.	2.46
KNGH	Dodge City, Kans.	2.47	WPEW	Northampton, Mass.	1.66	WPGX	Worcester, Mass.	2.46
KNFE	Duluth, Minn.	2.38	KGPH	Oklahoma City, Okla.	2.45	WPFY	Yonkers, N. Y.	2.44
KSNE	Duluth, Minn.	2.38	KNFG	Olympia, Wash.	2.49	WPDG	Youngstown, Ohio	2.45
KNGK	Duncan, Okla.	2.45	KGPI	Omaha, Neb.	2.46	WPHO	Zanesville, Ohio	2.43
WRDS	E. Lansing, Mich.	1.66	WPHM	Orlando, Fla.	2.44	STATE POLICE		
WPEI	E. Providence, R. I.	1.71	WPKF	Palm Beach, Fla.	2.44	KGHA	Portable-Mobile	2.49
KNGJ	El Centro, Cal.	2.49	KGHK	Palo Alto, Cal.	1.67	KGHB	In State of Wash.	2.49
WPHY	Elizabethton, Tenn.	2.47	WPHQ	Parkersburg, W. Va.	2.49	KGHC	In State of Wash.	2.49
KGZM	El Paso, Tex.	2.41	KCJX	Pasadena, Cal.	1.71	KGHD	In State of Wash.	2.49
KNFP	Everett, Wash.	2.41	WPFV	Pawtucket, R. I.	2.46	KGHE	In State of Wash.	2.49
WPFN	Fairhaven, Mass.	1.71	WPDF	Philadelphia, Pa.	2.47	KGHR	(Mobile) in Wash.	2.49
WPHJ	Fairmont, W. Va.	2.49	KGZJ	Phoenix, Ariz.	2.43	WPEV	Portable (in Mass.)	1.66
WPGG	Findlay, Ohio	1.59	KNGG	Phoenix, Ariz.	1.69	WPHL	Portable in Ohio	1.68
WPHA	Fitchburg, Mass.	2.46	WPDJ	Pittsburgh, Pa.	1.71	WPHE	Marion Co., Ind.	1.63
WPDF	Flint, Mich.	2.46	KNFU	Pomona, Cal.	1.71			
WPDZ	Fort Wayne, Ind.	2.49						
WMP	Framingham, Mass.	1.66						
KGZA	Fresno, Cal.	2.41						

FOR BETTER RADIO RECEPTION USE A GENERAL ELECTRIC "V-DOUBLET" ALL-WAVE ANTENNA SYSTEM



The G-E "V-doublet" All-wave Antenna System was developed by General Electric Radio engineers to provide the best possible reception of both standard broadcast and short-wave programs. No radio receiver is able to do more than reproduce the signals picked up by its antenna. The "V-doublet" assures uniformly good reception on all bands with a minimum of interference.

In the reception of short-wave signals, the tapered "V" performs the function of coupling the antenna, which picks up the signal, to the transmission line which feeds the signal to the receiver. The "V-doublet" does not favor any particular short-wave frequency but automatically adjusts itself to receive signals at uniform sensitivity over the entire short-wave band.

A balanced, twisted-pair transmission line, coupled to the receiver, affords the proper electrical matching for the greatest energy transfer from the antenna to the receiving set. This lead-in transmission line minimizes interference originating from the house wiring system, and external electrical apparatus, including even ignition systems of passing automobiles.

In receiving standard broadcasts, this antenna system is automatically converted from its "V-doublet" form to one approximately the conventional "T" type arrangement, by a special circuit employed in the receiver-coupling transformer.

See that a G-E "V-doublet" is installed so that you can enjoy your "round-the-world" radio tour to the utmost.



World-wide Tours via Short-wave Radio

To a large percentage of radio set owners, that glamorous world of Radio by which we hear music, lectures, opera, sports and dramatic happenings of the day, begins at a spot on the dial marked 550 kilocycles and ends on the 1500-kilocycle line. Little do these people realize that above 1500 kilocycles lies a new realm of radio—short-wave reception—a vast territory of ethereal space that scientists have developed for the benefit of Man. This new, romantic world . . . appeals to every man, woman and child.

Short waves bring you a new type of entertainment. They give you close contact with strange lands, new people, different manners and customs. They bring the outposts of the world to your living room. They supply a passport to many countries that all of us hope to visit but which we somehow never seem to reach.

Since a broadcast is an expression of the people, it is naturally typical of the country of its origin. Our programs here in the United States follow a pattern that is peculiar to our times and our people. As such they are recognized wherever they are heard. The same can be said of broadcasts originating in European, South American, Australian and Asiatic centers. So typical are many of these offerings, that listeners, after a few months, can identify the sources of their entertainment long before the stations announce their call letters or give their identifying signals.

What better comparison could be drawn between a short-wave receiver and a world passport? A General Electric receiver may be likened to a world cruise in an easy chair, taken at the convenience of the traveler. As a matter of plain truth, a real world cruise would never touch many of the spots that are brought to our easy chairs by the ether waves.

As a general rule, short-wave programs from foreign countries are received at their best according to the following schedule:

EUROPE—

During the forenoon on the 16-, 19-, and 25-meter bands.

During the afternoon on the 19-, 25-, and 31-meter bands.

During the evening on the 31- and 49-meter bands.



ASIA and AUSTRALIA—

During the early morning on the 16-, 19-, and 25-meter bands.

SOUTH AMERICA—

During the forenoon on the 19- and 25-meter bands.

During the afternoon on the 19- and 25-meter bands.

During the evening on the 31- and 49-meter bands.

NORTH AMERICA—

During the hours of daylight, up to one thousand miles, on the 49-meter band. Beyond one thousand miles, on the 16-, 19-, 25-, and 31-meter bands.

On the eastern seaboard of the United States, European and South American stations are received at their greatest signal strength. Broadcasts emanating from Asia and Australia will be received at their greatest strength in the Fall, but should be received well at other seasons, in early morning hours.

In the Central States, because of their long distance from any large body of water and the screening effect of large mountain ranges, European broadcast reception is not received at its greatest volume. South American and Australian stations are well received in the Fall and Spring.

West Coast listeners receive Asiatic and Australian stations at greater signal strength than other foreign stations.

Foreign short-wave reception is at its best during the summer months.

Foreign Short-wave Broadcast Stations

Location	Call Letters	Frequency Mega-cycles	Location	Call Letters	Frequency Mega-cycles	Location	Call Letters	Frequency Mega-cycles
ARGENTINA			DOMINICAN REP. (Cont'd)			NETHERLANDS		
Buenos Aires	LRU	15.29	San Pedro de Macoris	HIH	6.79	Eindhoven	PCJ	15.22
Buenos Aires	LRX	9.58	ECUADOR			Eindhoven	PCJ	9.59
AUSTRALIA			Quito	HCJB	8.77	Huizen	PHI	17.77
Melbourne	VK3LR	9.58	Quito	HCK	5.88	Huizen	PHI	11.73
Melbourne	VK3ME	9.49	Guayaquil	HC2CW	8.40	NETHERLANDS EAST		
Sydney	VK2ME	9.59	Guayaquil	HJ2JSB	7.83	INDIES		
AUSTRIA			Guayaquil	HC2RL	6.65	Bandjermasin	YDV2	3.33
Vienna	OER2	6.07	Guayaquil	HC2ET	4.60	Bandoeng	PLV	9.41
BELGIUM			Riobamba	PRADO	6.62	Bandoeng	YDA5	6.12
Brussels	ORK	10.33	EGYPT			Trandjangpriok	YDA	6.04
BOLIVIA			Cairo	SUZ	13.81	NORWAY		
La Paz	CP5	6.08	Cairo	SUV	10.05	Jeloy	LKJ1	9.53
BRAZIL			FEDERATED MALAY STATES			PANAMA		
Pernambuco	PRA8	6.02	Penang	ZHJ	6.08	Panama City	HP5J	9.59
Rio de Janeiro	PRF5	9.50	Singapore	ZHI	6.01	Panama City	HP5B	6.03
CANADA			FIJI ISLANDS			PERU		
Bowmanville, Ont.	VE9GW	6.09	Suva	VPD	13.07	Lima	OAX4D	5.78
Halifax, N. S.	CHNX	6.11	FRANCE			PHILIPPINE ISLANDS		
Montreal, Que.	VE9DN	6.00	Pontoise (Paris)	FYA	11.88	Manila	KAY	14.98
St. John, N. B.	VE9BJ	6.09	Pontoise (Paris)	FYA	11.72	Manila	KG2F	5.80
Toronto, Ont.	CRCX	6.09	Pontoise (Paris)	FYA	15.24	POLAND		
Vancouver, B.C.	VE9CS	6.07	FRENCH INDO-CHINA			Warsaw	SPW	13.63
Winnipeg, Man.	CJRO	6.16	Saigon	FZS	18.31	PORTUGAL		
Winnipeg, Man.	CJRX	11.72	GERMANY			Lisbon	CT1AA	9.66
CHINA			Zeesen (Berlin)	DJB	15.20	Lisbon	CTICT	3.75
Hong Kong	ZCK	8.75	Zeesen (Berlin)	DJD	11.77	Lisbon	CSL	6.15
Shanghai	XGBD	9.58	Zeesen (Berlin)	DJA	9.56	Parede	CT1GO	12.39
Shanghai	XGW	10.42	Zeesen (Berlin)	DJN	9.54	Parede	CT1GO	6.19
COLOMBIA			Zeesen (Berlin)	DJC	6.02	SIAM		
Barranquilla	HJ1ABB	6.44	Zeesen (Berlin)	DJE	17.76	Bangkok	HSP	17.74
Barranquilla	HJ1ABG	6.04	GUATEMALA			SPAIN		
Bogota	HJ3ABD	7.39	Guatemala	TG2X	5.94	Madrid	BAQ	9.86
Bogota	HKE	7.13	HAITI			SWITZERLAND		
Bogota	HJ3ABI	6.04	Port au Prince	HH2T	11.79	Geneva	HBL	9.59
Cartagena	HJ1ABD	7.28	Port au Prince	HH2S	5.91	Lausanne	HB9AQ	3.52
Cartagena	HJ1ABE	6.11	HONDURAS			U.S.S.R.		
Cali	HJ5ABE	14.12	Tegucigalpa	HRN	5.87	Moscow	RKI	15.04
Cali	HJ5ABD	6.49	HUNGARY			Moscow	RV59	12.00
Cucuta	HJ2ABC	5.97	Budapest	HAS3	15.37	Moscow	RV72	6.61
Medellin	HJ4ABA	11.71	Budapest	HAT4	9.12	Moscow	RV59	6.00
Medellin	HJ4ABE	5.93	Szekesfehervar	HAT	13.68	Khabarovsk	RV15	4.27
Ibague	HJ4ABC	6.45	INDIA			SOUTH AFRICA		
Santa Marta	HJ1ABJ	6.00	Bombay	VUB	9.56	Johannesburg	ZTJ	6.10
COSTA RICA			ITALY			Nairobi, Kenya	VQ7LO	6.08
San Jose	TIEP	6.71	Rome	2RO	11.81	UNITED KINGDOM		
San Jose	TIRCC	6.55	Rome	2RO	9.63	Daventry, England	GSA	6.05
San Jose	TIPG	6.41	Rome	2RO	6.08	Daventry, England	GSL	6.11
San Jose	TIGPH	5.82	Vatican City	HVJ	15.12	Daventry, England	GSB	9.51
CUBA			Vatican City	HVJ	5.96	Daventry, England	GSC	9.58
Havana	COCH	9.42	JAPAN			Daventry, England	GSD	11.75
Havana	COCD	6.13	Nazaki (Tokyo)	JVH	14.64	Daventry, England	GSE	11.86
Havana	COCO	6.01	Nazaki	JVM	10.74	Daventry, England	GSE	11.86
Santiago	COKG	6.15	Nazaki	JVN	10.66	Daventry, England	GSF	15.14
CZECHOSLOVAKIA			Nazaki	JVO	10.37	Daventry, England	GSI	15.26
Prague	OKI	21.02	Nazaki	JVP	7.51	VENEZUELA		
DENMARK			MEXICO			Caracas	YV4RC	6.37
Skamlebaek	OXY	6.06	Mexico City	XEBT	6.00	Caracas	YV3RC	6.15
DOMINICAN REPUBLIC			Mexico City	XECR	7.38	Caracas	YV2RC	5.80
Santo Domingo	H14D	6.50	Vera Cruz	XEUW	6.02	Maracaibo	YV5RMO	5.85
Santo Domingo	HIZ	6.31	MOROCCO			Maracay	YVQ	6.67
Santo Domingo	HIL	6.50	Rabat	CNR	12.83			
Santo Domingo	HIX	5.98	Rabat	CNR	8.03			
Santiago de Caballeros	HI1A	6.18						

RADIO BROADCASTING SCHEDULE

For Principal Foreign Short-wave Stations Heard in the United States

The information listed below was correct at the date of printing. Foreign short-wave stations change their broadcasting time and station frequency at irregular and frequent intervals. Radio owners who desire additional information regarding short-wave broadcasts are referred to the schedules published by radio magazines and newspapers. Time indicated in this time table is EASTERN STANDARD TIME.

MORNING

Call Letters	Mega-cycles	Location	Call Letters	Mega-cycles	Location
12 Midnight					
VPD	13.07	Suva, Fiji Islands	GSD	11.75	Daventry, England
FYA	11.72	Paris, France	PMN	10.26	Bandoeng, Java
JVN	10.66	Nazaki, Japan	VK2ME	9.59	Sydney, Australia
VK3LR	9.58	Melbourne, Australia	VK3LR	9.58	Melbourne, Australia
ZCK	8.75	Hong Kong, China	LKJ1	9.53	Jeloy, Norway
1 A. M.					
VPD	13.07	Suva, Fiji Islands	JVT	6.75	Nazaki, Japan
VK2ME	9.59	Sydney, Australia	ZTJ	6.10	Johannesburg, Africa
VK3LR	9.58	Melbourne, Australia	PRA8	6.02	Pernambuco, Brazil
ZCK	8.75	Hong Kong, China	YDA	6.04	Batavia, Java
2 A. M.					
RKI	15.04	Moscow, U.S.S.R.	RV15	4.27	Khabarovsk, Siberia
VK2ME	9.59	Sydney, Australia	8 A. M.		
VK3LR	9.58	Melbourne, Australia	GSG	17.79	Daventry, England
GSB	9.51	Daventry, England	FYA	15.24	Paris, France
RV15	4.27	Khabarovsk, Siberia	DJB	15.20	Berlin, Germany
3 A. M.					
DJB	15.20	Berlin, Germany	RKI	15.04	Moscow, U.S.S.R.
RKI	15.04	Moscow, U.S.S.R.	2RO	11.81	Rome, Italy
VK3LR	9.58	Melbourne, Australia	GSD	11.75	Daventry, England
OER2	6.07	Vienna, Austria	PMN	10.26	Bandoeng, Java
RV15	4.27	Khabarovsk, Siberia	JVP	7.51	Nazaki, Japan
4 A. M.					
DJB	15.20	Berlin, Germany	PRA8	6.04	Pernambuco, Brazil
RKI	15.04	Moscow, U.S.S.R.	YDA	6.04	Batavia, Java
FYA	11.88	Paris, France	RV15	4.27	Khabarovsk, Siberia
VK3LR	9.58	Melbourne, Australia	9 A. M.		
ZCK	8.75	Hong Kong, China	FYA	15.24	Paris, France
JVT	6.75	Nazaki, Japan	DJB	15.20	Berlin, Germany
ZTJ	6.10	Johannesburg, Africa	GSF	15.14	Daventry, England
RV15	4.27	Khabarovsk, Siberia	RKI	15.04	Moscow, U.S.S.R.
5 A. M.					
DJB	15.20	Berlin, Germany	GSE	11.86	Daventry, England
RKI	15.04	Moscow, U.S.S.R.	2RO	11.81	Rome, Italy
FYA	11.88	Paris, France	PMN	10.26	Bandoeng, Java
VK3LR	9.58	Melbourne, Australia	JVP	7.51	Nazaki, Japan
LKJ1	9.53	Jeloy, Norway	OER2	6.07	Vienna, Austria
ZCK	8.75	Hong Kong, China	PRA8	6.02	Pernambuco, Brazil
JVT	6.75	Nazaki, Japan	YDA	6.04	Batavia, Java
ZTJ	6.10	Johannesburg, Africa	COCO	6.01	Havana, Cuba
YDA	6.04	Batavia, Java	RV15	4.27	Khabarovsk, Siberia
RV15	4.27	Khabarovsk, Siberia	10 A. M.		
6 A. M.					
FYA	15.24	Paris, France	FYA	15.24	Paris, France
DJB	15.20	Berlin, Germany	DJB	15.20	Berlin, Germany
RKI	15.04	Moscow, U.S.S.R.	GSF	15.14	Daventry, England
GSD	11.75	Daventry, England	RKI	15.04	Moscow, U.S.S.R.
PMN	10.26	Bandoeng, Java	GSE	11.86	Daventry, England
VK2ME	9.59	Sydney, Australia	2RO	11.81	Rome, Italy
VK3LR	9.58	Melbourne, Australia	DJA	9.56	Zeesen, Germany
LKJ1	9.53	Jeloy, Norway	COCH	9.42	Havana, Cuba
ZCK	8.75	Hong Kong, China	ZP10	8.22	Asuncion, Paraguay
JVT	6.75	Nazaki, Japan	OER2	6.07	Vienna, Austria
ZTJ	6.10	Johannesburg, Africa	PRA8	6.02	Pernambuco, Brazil
YDA	6.04	Batavia, Java	COCO	6.01	Havana, Cuba
RV15	4.27	Khabarovsk, Siberia	XEBT	6.00	Mexico City, Mexico
7 A. M.					
FYA	15.24	Paris, France	11 A. M.		
DJB	15.20	Berlin, Germany	GSF	15.14	Daventry, England
RKI	15.04	Moscow, U.S.S.R.	FYA	11.88	Paris, France
AFTERNOON					
12 Noon					
FYA	11.88	Paris, France	HP5B	6.03	Panama City, Panama
2RO	11.81	Rome, Italy	DJC	6.02	Berlin, Germany
GSD	11.75	Daventry, England	COCO	6.01	Havana, Cuba
LKJ1	9.53	Jeloy, Norway	XEBT	6.00	Mexico City, Mexico
GSB	9.51	Daventry, England	YV2RC	5.80	Caracas, Venezuela
GSL	6.11	Daventry, England	1 P. M.		
VO7LO	6.08	Nairobi, Kenya	ORP	13.20	Brussels, Belgium
OER2	6.07	Vienna, Austria	FYA	11.88	Paris, France

RADIO BROADCASTING SCHEDULE

Call Letters	Mega-cycles	Location	Call Letters	Mega-cycles	Location
2RO	11.81	Rome, Italy	OXY	6.06	Skamlebaek, Denmark
GSD	11.75	Daventry, England	PRA8	6.02	Pernambuco, Brazil
LKJ1	9.53	Jeloy, Norway	DJC	6.02	Berlin, Germany
GSB	9.51	Daventry, England	XEBT	6.00	Mexico City, Mexico
GSL	6.11	Daventry, England	RV59	6.00	Moscow, U.S.S.R.
VL7LO	6.08	Nairobi, Kenya	4 P.M.		
OER2	6.07	Vienna, Austria	FYA	11.88	Paris, France
OXY	6.06	Skamlebaek, Denmark	DJD	11.77	Berlin, Germany
PRA8	6.02	Pernambuco, Brazil	2RO	9.63	Rome, Italy
DJC	6.02	Berlin, Germany	GSC	9.58	Daventry, England
XEBT	6.00	Mexico City, Mexico	LKJ1	9.53	Jeloy, Norway
YV2RC	5.80	Caracas, Venezuela	GSB	9.51	Daventry, England
2 P.M.			COCH	9.42	Havana, Cuba
ORP	13.20	Brussels, Belgium	COKG	6.15	Santiago, Cuba
FYA	11.88	Paris, France	ZTJ	6.10	Johannesburg, Africa
DJD	11.77	Berlin, Germany	CRCX	6.09	Toronto, Canada
GSD	11.75	Daventry, England	OER2	6.07	Vienna, Austria
ORK	10.33	Brussels, Belgium	OXY	6.06	Skamlebaek, Denmark
2RO	9.63	Rome, Italy	PRA8	6.02	Pernambuco, Brazil
LKJ1	9.53	Jeloy, Norway	DJC	6.02	Berlin, Germany
GSB	9.51	Daventry, England	COCO	6.01	Havana, Cuba
COCH	9.42	Havana, Cuba	XEBT	6.00	Mexico City, Mexico
GSL	6.11	Daventry, England	RV59	6.00	Moscow, U.S.S.R.
OER2	6.07	Vienna, Austria	YV2RC	5.80	Caracas, Venezuela
OXY	6.06	Skamlebaek, Denmark	5 P.M.		
PRA8	6.02	Pernambuco, Brazil	JVH	14.64	Nazaki, Japan
DJC	6.02	Berlin, Germany	FYA	11.88	Paris, France
XEBT	6.00	Mexico City, Mexico	EAQ	9.86	Madrid, Spain
HVJ	5.96	Vatican City, Italy	GSC	9.58	Daventry, England
3 P.M.			GSB	9.51	Daventry, England
FYA	11.88	Paris, France	PRF5	9.50	Rio de Janeiro, Brazil
GSD	11.75	Daventry, England	COCH	9.42	Havana, Cuba
ORK	10.33	Brussels, Belgium	COKG	6.15	Santiago, Cuba
2RO	9.63	Rome, Italy	ZTJ	6.10	Johannesburg, Africa
LKJ1	9.53	Jeloy, Norway	CRCX	6.09	Toronto, Canada
GSB	9.51	Daventry, England	OER2	6.07	Vienna, Austria
COCH	9.42	Havana, Cuba	OXY	6.06	Skamlebaek, Denmark
COKG	6.15	Santiago, Cuba	PRA8	6.02	Pernambuco, Brazil
GSL	6.11	Daventry, England	COCO	6.01	Havana, Cuba
ZTJ	6.10	Johannesburg, Africa	XEBT	6.00	Mexico City, Mexico
OER2	6.07	Vienna, Austria	YV2RC	5.80	Caracas, Venezuela

EVENING

JVH	14.64	Nazaki, Japan	PRA8	6.02	Pernambuco, Brazil
GSD	11.75	Daventry, England	HP5B	6.03	Panama City, Panama
FYA	11.72	Paris, France	XEBT	6.00	Mexico City, Mexico
EAQ	9.86	Madrid, Spain	YV2RC	5.80	Caracas, Venezuela
GSC	9.58	Daventry, England	9 P.M.		
PRF5	9.50	Rio de Janeiro, Brazil	DJD	11.77	Berlin, Germany
COCH	9.42	Havana, Cuba	FYA	11.72	Paris, France
TIRCC	6.55	San Jose, Costa Rica	CJRX	11.72	Winnipeg, Canada
COKG	6.15	Santiago, Cuba	EAQ	9.86	Madrid, Spain
CHNX	6.11	Halifax, Canada	HP5J	9.59	Panama City, Panama
ZTJ	6.10	Johannesburg, Africa	LRX	9.58	Buenos Aires, Arg.
CRCX	6.09	Toronto, Canada	COCH	9.42	Havana, Cuba
VE9CS	6.07	Vancouver, Canada	CP6	9.12	La Paz, Bolivia
OXY	6.06	Skamlebaek, Denmark	RV72	6.01	Moscow, U.S.S.R.
PRA8	6.02	Pernambuco, Brazil	CJRO	6.15	Winnipeg, Canada
COCO	6.01	Havana, Cuba	COKG	6.15	Santiago, Cuba
XEBT	6.00	Mexico City, Mexico	CHNX	6.11	Halifax, Canada
YV2RC	5.80	Caracas, Venezuela	CRCX	6.09	Toronto, Canada
7 P.M.			HP5B	6.03	Panama City, Panama
GSD	11.75	Daventry, England	DJC	6.02	Berlin, Germany
FYA	11.72	Paris, France	XEBT	6.00	Mexico City, Mexico
EAQ	9.86	Madrid, Spain	YV2RC	5.80	Caracas, Venezuela
GSC	9.58	Daventry, England	10 P.M.		
YV3RC	6.15	Caracas, Venezuela	DJD	11.77	Berlin, Germany
COKG	6.15	Santiago, Cuba	CJRX	11.72	Winnipeg, Canada
CHNX	6.11	Halifax, Canada	LRX	9.58	Buenos Aires, Arg.
CRCX	6.09	Toronto, Canada	GSC	9.58	Daventry, England
PRA8	6.02	Pernambuco, Brazil	COCH	9.42	Havana, Cuba
XEBT	6.00	Mexico City, Mexico	CJRO	6.15	Winnipeg, Canada
YV2RC	5.80	Caracas, Venezuela	COKG	6.15	Santiago, Cuba
8 P.M.			CHNX	6.11	Halifax, Canada
DJD	11.77	Berlin, Germany	CRCX	6.09	Toronto, Canada
CJRX	11.72	Winnipeg, Canada	HP5B	6.03	Panama City, Panama
FYA	11.72	Paris, France	XEBT	6.00	Mexico City, Mexico
EAQ	9.86	Madrid, Spain	HJN	5.95	Bogota, Colombia
HP5J	9.59	Panama City, Panama	11 P.M.		
COCH	9.42	Havana, Cuba	FYA	11.72	Paris, France
RV72	6.61	Moscow, U.S.S.R.	CJRX	11.72	Winnipeg, Canada
CJRO	6.15	Winnipeg, Canada	ZCK	8.75	Hong Kong, China
COKG	6.15	Santiago, Cuba	CJRO	6.15	Winnipeg, Canada
CHNX	6.11	Halifax, Canada	CHNX	6.11	Halifax, Canada
ZTJ	6.10	Johannesburg, Africa	CRCX	6.09	Toronto, Canada
CRCX	6.09	Toronto, Canada	XEBT	6.00	Mexico City, Mexico

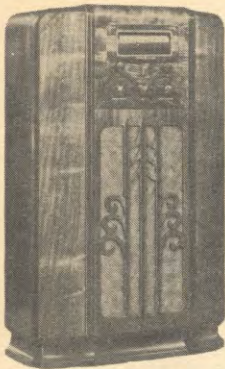
WORLD'S SHORT-WAVE BROADCAST STATIONS

Arranged Numerically
According to Meters and Megacycles

Wave-length Meters	Call Letters	Frequency Meg.	City Country	Wave-length Meters	Call Letters	Frequency Meg.	City Country
13.9	W8XK	21.54	Pittsburgh, Pa.	36.5	HCJB	8.21	Quito, Ecuador
13.9	GSH	21.47	Daventry, England	38.2	HC2JSB	7.83	Guayaquil, Ecuador
16.8	GSG	17.79	Daventry, England	38.4	HBP	7.79	Geneva, Switzerland
16.8	W3XAL	17.78	Bound Brook, N. J.	40.4	HJ3ABD	7.39	Bogota, Colombia
16.8	PHI	17.77	Huizen, Holland	40.6	XECR	7.38	Mexico City, Mex.
16.8	DJE	17.76	Zeesen, Germany	41.1	HJ1ABD	7.28	Cartagena, Col.
19.5	HAS3			41.7	CR6AA	7.17	Lobito, Angola, Port. West Africa
19.5	(HAS)	15.37	Budapest, Hungary	42.1	HB9B	7.11	Basle, Switzerland
19.6	W2XAD	15.33	Schenectady, N. Y.	42.3	P11J	7.08	Dordrecht, Holland
19.6	DJO	15.28	Zeesen, Germany	43.4	H13C	6.90	La Romana, D. R.
19.6	W2XE	15.27	New York, N. Y.	44.0	H1H	6.81	San Pedro, D. R.
19.6	GSI	15.26	Daventry, England	44.4	JVT	6.75	Nazaki, Japan
19.6	FYA	15.24	Pontoise, France	44.6	TIEP	6.71	San Jose, Costa Rica
19.7	PCJ	15.22	Huizen, Holland	45.0	HC2RL	6.66	Guayaquil, Ecuador
19.7	W8XK	15.21	Pittsburgh, Pa.	45.3	PRADO	6.61	Riobamba, Ecuador
19.7	DJB	15.20	Zeesen, Germany	45.7	RW72	6.61	Moscow, U.S.S.R.
19.8	GSF	15.14	Daventry, England	45.7	TRCC	6.55	San Jose, Costa Rica
19.8	HVJ	15.12	Vatican City	45.9	YVGRV	6.52	Valencia, Ven.
19.9	RKI	15.04	Moscow, U.S.S.R.	46.2	HJ5ABD	6.49	Cali, Colombia
20.5	JVH	14.60	Nazaki, Japan	46.2	H14D	6.48	San Domingo, D. R.
22.9	VP1A			46.5	HJ1AB	6.44	Barranquilla, Col.
24.1	(VPD)	13.07	Suva, Fiji Islands	46.8	YN1GG	6.40	Managua, Nicaragua
24.1	CT1GO	12.39	Parede, Portugal	47.0	YVARC	6.37	Caracas, Venezuela
24.8	CT1CT	12.08	Lisbon, Portugal	47.4	H1Z	6.31	San Domingo, D. R.
24.9	RW59	12.00	Moscow, U.S.S.R.	48.1	OAX4B	6.23	Lima, Peru
25.2	FYA	11.88	Pontoise, France	48.1	HJ4ABC	6.23	Pereira, Colombia
25.2	W8XK	11.87	Pittsburgh, Pa.	48.1	HJ1ABH	6.22	Cienaga, Colombia
25.2	GSE	11.86	Daventry, England	48.4	CT1GO	6.19	Parede, Portugal
25.3	W2XE	11.83	New York, N. Y.	48.4	HI1A	6.18	Santiago de Los Caballeros, D. R.
25.4	I2RO	11.81	Rome, Italy	48.7	CJRO	6.16	Winnipeg, Manitoba
25.4	W1XAL	11.79	Boston, Mass.	48.7	YV3RC	6.15	Caracas, Venezuela
25.4	DJD	11.77	Zeesen, Germany	48.7	VE9CL	6.15	Winnipeg, Man.
25.5	GSD	11.75	Daventry, England	48.7	HJ5ABC	6.15	Cali, Colombia
25.5	FYA	11.72	Pontoise, France	48.7	CO9GC	6.15	Santiago, Cuba
25.5	CJRX	11.72	Winnipeg, Canada	48.8	W8XK	6.14	Pittsburgh, Pa.
25.5	HJ4ABA	11.71	Medellin, Col.	48.9	ZGE	6.13	Kuala Lumpur, F. M. S.
27.9	JVM	10.74	Nazaki, Japan	49.0	W2XE	6.12	New York, N. Y.
28.1	JVN	10.66	Nazaki, Japan	49.0	YDA5	6.12	Bandoeng, Java
28.9	LSX	10.35	Buenos Aires, Argen.	49.0	HRP1	6.11	San Pedro Sula, Honduras
29.0	ORK	10.33	Ruyssedeel, Belgium	49.0	HJ1ABE	6.11	Cartagena, Col.
30.4	EAQ	9.86	Madrid, Spain	49.0	VE9HX	6.11	Halifax, N. S.
31.1	I2RO	9.63	Rome, Italy	49.0	VUC	6.10	Calcutta, India
31.2	CT1AA	9.60	Lisbon, Portugal	49.0	W3XAL	6.10	Bound Brook, N. J.
31.2	W3XAU	9.59	Philadelphia, Pa.	49.1	W9XF	6.10	Chicago, Ill.
31.2	VK2ME	9.59	Sydney, Australia	49.1	HJ4ABL	6.10	Manizales, Col.
31.2	HP5J	9.59	Panama City, Panama	49.1	ZTJ (JB)	6.09	Johannesburg, Africa
31.3	HBL	9.59	Geneva, Switzerland	49.1	VE9GW	6.09	Bowmanville, Can.
31.3	VK3LR	9.58	Lyndhurst, Victoria, Australia	49.3	CP5	6.08	La Paz, Bolivia
31.3	GSC	9.58	Daventry, England	49.3	W9XAA	6.08	Chicago, Ill.
31.3	W1XK	9.57	Springfield, Mass.	49.3	ZHJ	6.08	Penang, Straits Settlements
31.3	VUB	9.56	Bombay, India	49.3	VQ7LO	6.08	Nairobi, Kenya, Africa
31.3	DJA	9.56	Zeesen, Germany	49.3	QCN	6.07	Macao, Asia
31.4	DJN	9.54	Zeesen, Germany	49.3	OER2	6.07	Vienna, Austria
31.4	LKJI	9.53	Jeloy, Norway	49.3	VE9CS	6.07	Vancouver, B. C.
31.4	W2XAF	9.53	Schenectady, N. Y.	49.3	HJ1ABF	6.07	Barranquilla, Col.
31.5	VK3ME	9.51	Melbourne, Australia	49.3	W8XAL	6.06	Cincinnati, Ohio
31.5	GSB	9.51	Daventry, England	49.4	W3XAU	6.06	Philadelphia, Pa.
31.5	PRF5	9.50	Rio de Janeiro, Brazil	49.4	OXY	6.06	Skamlebaek, Den.
31.8	COH	9.42	Havana, Cuba	49.6	HJ1ABG	6.04	Barranquilla, Col.
31.8	PLV	9.41	Bandoeng, Java	49.7	HP5B	6.03	Panama City, Pan.
32.8	HAT4	9.12	Budapest, Hungary	49.7	VE9CA	6.03	Calgary, Alberta, Can.
33.0	TFK	9.06	Reykjavik, Iceland	49.8	DJC	6.02	Zeesen, Germany
34.0	HKV	8.79	Bogota, Col.	49.8	PRAS	6.02	Pernambuco, Brazil
34.2	ZCK			49.8	ZHI	6.01	Singapore, Malaya
	(ZBW)	8.75	Hong Kong, China				
35.6	HC2CW	8.40	Guayaquil, Ecuador				
36.4	ZP10	8.22	Asuncion, Paraguay				

SENSATIONAL

Focused Tone
RADIO



MODEL E-105

10-metal-tube console model. Three bands of reception—standard broadcasts; foreign programs; police, aviation and amateurs. Sentry Box. Colorama Dial. Automatic Frequency Control. Personalizer.



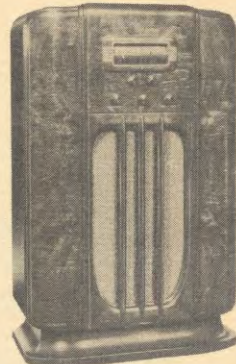
MODEL E-81

8-metal-tube table model. Three bands of reception—standard broadcasts; foreign programs; police, aviation and amateurs. Sentry Box.



MODEL E-91

9-metal-tube table model. Three bands of reception—standard broadcasts; foreign programs; police, aviation and amateurs. Sentry Box Colorama Dial.

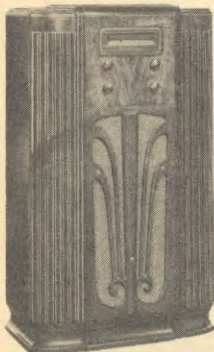


MODEL E-155

15-metal-tube console. Five bands of reception—U. S. Weather Reports; standard broadcasts; foreign programs; police, aviation and amateurs; ultra short-wave. Sentry Box. Colorama Dial. Automatic Frequency Control. Personalizer. Silent Tuning.

MODEL E-76

7-metal-tube console model. Three bands of reception—standard broadcasts; foreign programs; police, aviation and amateurs.



MODEL E-86

8-metal-tube console model. Three bands of reception—standard broadcasts; foreign programs; police, aviation and amateurs. Sentry Box.



MODEL E-62

6-metal-tube table model. Two bands of reception—standard broadcasts as well as foreign programs; police, aviation and amateurs.

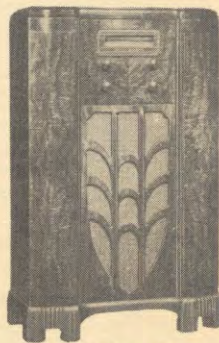


MODEL E-72

7-metal-tube table model. Three bands of reception—standard broadcasts; foreign programs; police, aviation and amateurs.

MODEL E-68

6-metal-tube console model. Two bands of reception—standard broadcasts as well as foreign programs; police, aviation and amateurs.



MODEL E-95

9-metal-tube console model. Three bands of reception—standard broadcasts; foreign programs; police, aviation and amateurs. Sentry Box. Colorama Dial.

OTHER MODELS ON DISPLAY AT YOUR G-E RADIO DEALER

How to Tune In the Radio Universe

One of the first requisites for successful and satisfactory broadcast reception—particularly in the reception of short-wave programs—is to insure that your antenna system is correctly designed and installed to reproduce the best results.

Consult the Listener's Guide for the frequency of the station you desire to tune in. Good standard American broadcast reception is very easy to obtain with a G-E Focused-tone Radio. You merely adjust the tuning knob until the dial focuses to *bright green*. In tuning for short-wave programs, the procedure differs but little from that followed when selecting a standard broadcast station, except that tuning must be more exact. Haphazard twisting of the tuning control is a waste of time. The successful radio-world tourist goes after his station like a scientist seeking a missing element.

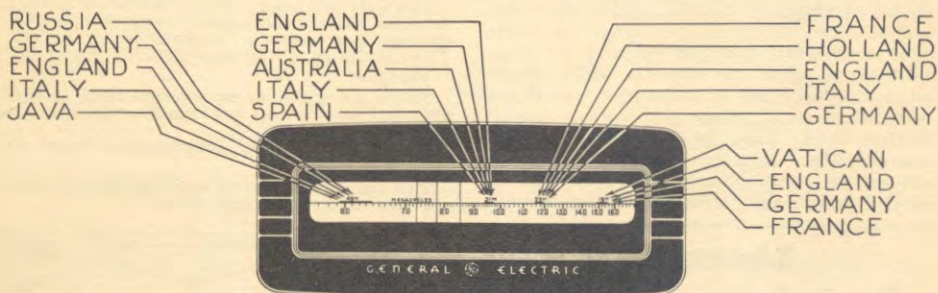
The first move is to make sure that the station sought is actually on the air at the time. Because foreign short-wave stations operate largely on an experimental basis, they frequently shift their schedules and wave-lengths as occasions require it. While the frequencies and program schedules shown in the Listener's Guide were correct

at the time of printing, changes will occur from time to time.

Until you have had considerable experience in short-wave dialing, it is well to confine your efforts in the vicinity of the 19-, 25-, 31-, and 49-meter bands where the best "catches" are found.

When the approximate dial location is found, the tuning knob must be rotated *very slowly* and *carefully* back and forth and the volume control adjusted until the signal is recognized. Then by still closer and finer tuning the signal is built up to a volume sufficient to identify the program. It is considered good practice to have several stations in mind so that if the signal of one does not happen to be strong, or is interfered with by atmospheric disturbances, a search may be made for another station.

General Electric Focused-tone Radio models are equipped with sliding-rule tuning scales. This convenient device lists all stations in a straight line—using a separate scale for each band. It's as "easy to read as a ruler." Station tuning is further simplified through a unique "automatic vernier" reduction drive which permits either rapid tuning or slow speed tuning without manual shifting of the tuning knob.



The above illustration shows the location on the dial of but a few among the many foreign countries that can be tuned in via the radio waves

WHAT YOU GET ON THE DIAL OF A GENERAL ELECTRIC FOCUSED-TONE RADIO

Scale A—140 to 410 kc.—U. S. Weather Reports.

Scale B—540 to 1720 kc.—Standard American Broadcasts: Police Call Band.

Scale C—1720 to 7000 kc. (1.7 to 7.0 meg.)—Police Calls, Aviation, Amateurs. International short-wave programs on 49- and 41-meter bands.

Scale D—5800 to 18,000 kc. (5.8 to 18.0 meg.)—International short-wave programs on 49-, 41-, 31-, 25-, 19- and 16-meter bands.

Scale E—18,000 to 70,000 kc. (18.0 to 70.0 meg.)—International short-wave programs on 13-meter band. Ultra short-wave. Two-way police communications. Experimental broadcasts.

The Amateur Bands Are Full of Thrills



Tune in on the amateur bands and you may be amazed at the thousands of amateur signals that can be heard on these special channels set apart by International Treaty for amateur operation. In the United States alone, there are more than forty thousand enthusiasts engaged in amateur radio as a hobby.

Since 1913, amateur radio has been the principal, and in many cases the only, means of outside communication in nearly one hundred storm and flood emergencies in this country. As you listen-in over the amateur bands, you may sometimes thrill to a real drama being enacted right before your ears. During the flood disaster of March, 1936; the Florida Hurricanes of 1926, 1928 and 1935; the Southern California earthquake in 1933; and many other noteworthy emergencies, amateur radio operators were the sole means of communication with the outside world. While onrushing torrents or tornadoes tore down telephone and telegraph wires, ripped bridges from their pilings, and isolated communities, amateur radio enthusiasts stayed at their phones or keyboards to spread warnings, direct relief and furnish

news and reports to those "outside" the stricken areas.

Amateur radio has also become an important part of our communications system. Today, practically no explorer starts from the United States on an expedition to remote parts of the world without completing arrangements to keep in contact with "home" through the medium of amateur radio.

Almost any hour of the day or night, you can tap the amateur bands and thrill to the interesting gossip of hundreds of operators who are in constant communication with one another in various parts of the amateur's radio world.

Broadcast Bands Used by Amateurs for Both Telegraph and Phone Communications

The 1.71 to 2.00 megacycles band (160 meters)

This band is very popular for radio-telephone work. The band is one of the widest amateur bands used from the standpoint of the number of stations that can be heard.

The 3.50 to 4.00 megacycles band (80 meters)

This band is best for hearing consistent domestic amateur communications. Much of the friendly human contact between amateurs takes place on this band.

The 14.00 to 14.40 megacycles band (20 meters)

This is the best band to listen in on during daylight hours for long-distance transmissions. This band is also used by amateurs in "working" foreign stations.

The 28.00 to 30.00 megacycles band (10 meters)

This is principally an experimental band. It combines both long-distance and local communications in one band.

The 56.00 to 60.00 megacycles band (5 meters)

This band is now used by many amateurs for local and short-distance communications.

Listening

To Aviation Reports

Every important air line keeps in radio contact with its planes *en route* from radio control points at airports located in various parts of the country. Pilots also receive radio instructions which direct their "take-off" and "landing." Radio is today making flying safe and eliminating the hazards of bad weather conditions, fog and night-time flying. You can tune in and hear the exchange of conversation between ground stations and pilots. Each air line uses its own radio frequencies. Here is a list of the frequencies, from ground to air and air to ground, that are used by important air lines.

Air Line	Night Frequency (Megacycles)	Day Frequency (Megacycles)
T W A	3.08	4.96
United Air Lines	3.11	5.57
Eastern Air Lines	2.92	4.12

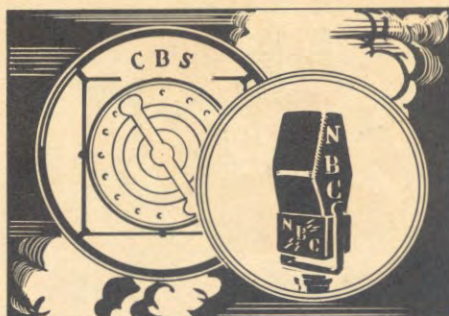


Air Line	Night Frequency (Megacycles)	Day Frequency (Megacycles)
American Air Lines		
North division	3.12	5.61
East division	3.25	5.63
Central division	3.23	4.91
West division	3.23	5.60

Chain Network Programs Broadcast via Short Waves

Many of the programs broadcast on standard radio stations may also be heard over domestic short-wave stations. Both the National Broadcasting Company and the Columbia Broadcasting System have such short-wave relay connections. Radio listeners in all parts of the world may tune in programs originating in certain key stations of these two great broadcasting companies.

In remote sections of the United States, where standard radio reception is not so extensive as in the more metropolitan areas, these short-wave associated stations fill the need for continuous entertainment, particularly during daylight hours. Often when atmospheric conditions make it unpleasant or impossible to listen in on



the regular broadcast band, the same network program, free from annoying disturbances, may be heard to excellent advantage via short-wave transmission.

American Short-wave Stations Transmitting Standard Broadcast Programs

Call Letters	Location	Megacycles	Corresponding Standard Broadcast Stations	On The Air (E.S.T.)	
W3XAU	Philadelphia, Pa.	9.59 6.06	WCAU (CBS)	12:00 Noon- 8:00 P.M. 8:00 P.M.-11:00 P.M.	Daily Daily
W2XE	Wayne, N. J.	21.52 17.76 15.27 11.83 6.12	WABC (CBS)	10:00 A.M.-11:00 A.M. 11:00 A.M.- 1:00 P.M. 1:00 P.M.- 6:00 P.M. 6:00 P.M.-10:00 P.M. 10:00 P.M.-11:00 P.M.	Daily Daily Daily Daily Daily
W2XAD	Schenectady, N. Y.	15.35	WGY (NBC-Red)	10:30 A.M.- 4:00 P.M.	Sundays
W2XAF	Schenectady, N. Y.	9.53	WGY (NBC-Red)	11:30 A.M.- 4:00 P.M. 4:00 P.M.-Midnight	Daily Daily
CRCX	Bowmanville, Ontario	6.09	CRCT (NBC-Red & Blue) (Canadian Radio Commission)	5:30 P.M.-11:30 P.M. 11:45 A.M.-11:30 P.M.	Weekdays Sundays
W9XF	Chicago, Ill.	6.10	WENR (NBC-Red & Blue)	9:00 P.M.- 2:00 A.M. 1:00 A.M.- 2:00 A.M.	(S.T.T.F.) (M.W.S.)
W8XAL	Cincinnati, O.	6.06	WLW (NBC-Red & Blue— Mutual Broadcasting System)	7:30 A.M.- 9:00 P.M. 12:00 Mid.- 3:00 A.M. 9:00 A.M.- 9:00 P.M. 12:00 Mid.- 3:00 A.M. 7:30 A.M.- 9:00 P.M. 12:00 Mid.- 4:00 A.M.	Weekdays (exc. Sat. & Sun.) Sundays Saturdays
W1XK	Boston, Mass.	9.57	WBZ (NBC-Blue)	7:00 A.M.- 1:00 A.M. 8:00 A.M.- 1:00 A.M.	Weekdays Sundays
W3XAL	Bound Brook, N. J.	17.78 6.10	WJZ (NBC-Blue)	9:00 A.M.-10:00 A.M. 6:00 P.M.- 1:00 A.M.	Daily (M.W.S.)
W9XAA	Chicago, Ill.	6.08	WCFL (NBC-Blue)	9:30 A.M.- 6:00 P.M. 11:30 A.M.- 9:00 P.M.	Daily Sunday
W8XK	Pittsburgh, Pa.	21.54 15.21 11.87 6.14	KDKA (NBC-Blue)	7:00 A.M.- 9:00 A.M. 7:00 A.M.- 4:15 P.M. 4:30 P.M.-11:00 P.M. 4:30 P.M.- 1:00 A.M.	Daily Daily Daily Daily



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