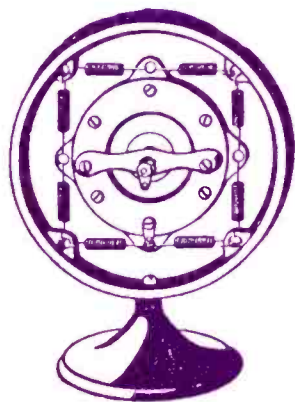


**RADIO
STATION
TREASURY
1900-1946**

BY TOM KNEITEL







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Published by

CRB Research

P. O. Box 56
COMMACK, NEW YORK 11725



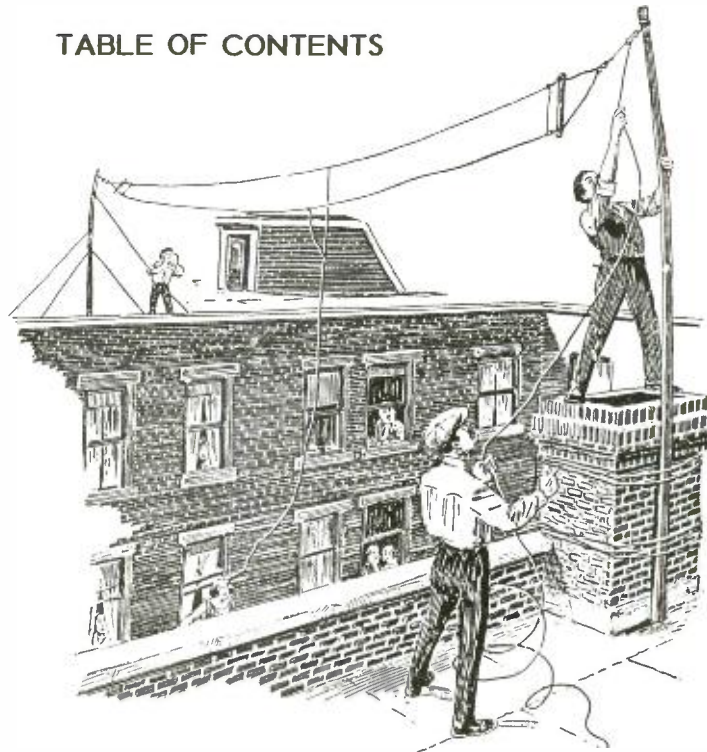
The author would hereby like to acknowledge the research done by wireless and broadcast historians such as Jan D. Lowry (of Broadcast Pro-File), Ed Marriner (W6BLZ), Will Jensby (W0EOM/6), the late Howard Pyle (W7OE), and those others, past and present, whose good efforts kindled the inspiration for this volume. Also, the Society of Wireless Pioneers, Inc., for helping to keep the spark alive.

To all of these, and to those historians of the future who will record this era's usages of the electromagnetic spectrum, this book is humbly dedicated by the author.

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UNITED STATES PATENT OFFICE

MAHLON LOOMIS, OF WASHINGTON, DISTRICT OF COLUMBIA.

IMPROVEMENT IN TELEGRAPHING.

Patent No. 129,971, dated July 24, 1898.

To all whom it may concern: Be it known that I, MAHLON LOOMIS, dentist, of Washington, District of Columbia, have invented or discovered a new and improved Method of Telegraphing and of Generating Light, Heat, and Motive Power, and I do hereby declare that the following is a full description thereof.

The nature of my invention or discovery consists, in general terms, of utilizing natural electricity and establishing an electrical circuit of circuits for telegraphic and other purposes with out the aid of wires, artificial batteries, or cables to form such electrical circuit, and yet communicate from one continent of the globe to another.

To enable others skilled in electrical sciences to make use of my discovery, I will proceed to describe the arrangements and mode of operation.

As in dispensing with the double wire, (which was first used in telegraphing,) and making use of but one, substituting the earth instead of a wire to form one-half the circuit, so I now dispense with both wires, using the earth as one-half the circuit and the opposite one electrical element far above the earth's surface for the other part of the circuit. I also dispense with all artificial batteries, but use the free electricity of the atmosphere, co-operating with that of the earth, to supply the electrical dynamo force or current for telegraphing and for other useful purposes, such as light, heat, and motive power.

As atmospheric electricity is found more and more abundant when moisture, clouds, heated currents of air, and other dissipating influences are left below and a greater altitude attained, my plan is to seek as high an elevation as practicable on the tops of high mountains, and thus procure or establish electrical connection

with the atmospheric stratum or ocean overlying local distances. Upon these mountain-tops I erect suitable towers and apparatus to attract the electricity, or, in other words, to disturb the electrical equilibrium, and thus obtain a current of electricity, or shocks or pulsations, which traverse or disturb the positive electrical body of the atmosphere above and between two given points by communicating it to the negative electrical body in the earth below, to form the electrical circuit.

I deem it expedient to use an insulated wire or conductor as forming a part of the local apparatus and for conducting the electricity down to the foot of the mountain, or as far away as may be convenient for a telegraphic office, or to utilize it for other purposes.

I do not claim any new key-board nor any new alphabet or signals; I do not claim any new register or recording instrument; but

What I claim as my invention or discovery, and desire to secure by Letters Patent, is— The utilization of natural electricity from elevated points by connecting the opposite polarity of the celestial and terrestrial bodies at electrically at different points by suitable conductors, and, for telegraphic purposes, relying upon the disturbance produced in the two electro-positive bodies (of the earth and atmosphere) by an interruption of the continuity of one of the conductors from the electrical body being indicated upon the opposite or corresponding terminals, and thus producing a circuit or communication between the two without an artificial battery, or the further use of wires or cables to connect the co-operating stations.

MAHLON LOOMIS.

Witnesses:
BOYD ELZOT,
G. C. WILSON.

First Things First...

Mahlon Loomis, a Washington DC dentist, built an antenna in the Blue Ridge Mountains of Virginia for the transmission of communications without wires. This was before Guglielmo Marconi was even born! In 1872, the U.S. Patent Office granted Loomis Patent #129,971 for what is probably the actual invention of radio. See the document at the upper left.

The Department of Commerce issued a Certificate Of Skill to James M. Baskerville on 25 May 1911. It bore the serial number "1," indicating that Baskerville was the very first radio operator to be certified as such by the government (see the document at the lower left).

As wireless communication became increasingly popular, the government replaced the Certificates Of Skill with actual licenses. The first of these (Serial #1) was for Radio Operator, Commercial Extra First Grade, issued to Elmo Neale Pickerill on 26 August 1914. He qualified by demonstrating a skill of 32 WPM in Continental Morse and 35 WPM in American Morse. (See document below.)

#1.

UNITED STATES OF AMERICA

Department of Commerce and Labor
NAVIGATION SERVICE

OPERATOR'S CERTIFICATE OF SKILL IN RADIOCOMMUNICATION

This is to certify that, under the provisions of the Act of June 29, 1910,

James M. Baskerville

has been examined in radiocommunication and has passed in

(a) The adjustment of apparatus, correction of faults, and change from one wave-length to another;

(b) Transmission and sound-reading at a speed of not less than fifteen words a minute American Morse, twelve words Continental, five letters counting as one word.

The candidate's practical knowledge of adjustment was tested on a standard set of apparatus. His knowledge of other systems and of international radiotelegraphic regulations and American naval wireless regulations is shown below

Excellent

Place New York New York May 25 1911

By the Director of the Secretary of Commerce and Labor:

James M. Baskerville do solemnly swear that I will faithfully preserve the secrecy of all messages coming to my knowledge through my employment under this certificate, that this obligation is taken freely, without mental reservation or purpose of evasion, and that I will well and faithfully discharge the duties of the office. So help me God.

Date of birth Oct 14 1884 Place of birth Charlotte, N.C.

Sworn to and subscribed before me this 25th

day of May 1911

John H. Woods Secretary

*It is not intended to limit the employment of the holder to a particular system, but merely to indicate the particular system on which he was tested for adjustment of apparatus. This certificate is valid for two years, subject to suspension or annulment by the Secretary of Commerce and Labor for cause. It stands in lieu of other certificates of skill in other offices of the Government prior to the date hereon put.

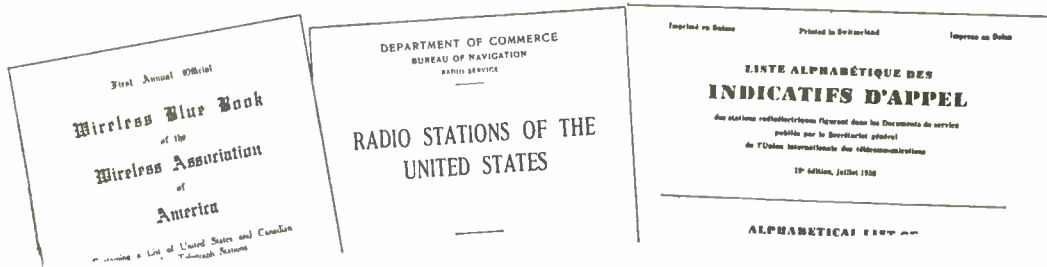
The United States of America
DEPARTMENT OF COMMERCE AND LABOR
NAVIGATION SERVICE
COMMERCIAL EXTRA FIRST GRADE
RADIO OPERATOR, COMMERCIAL EXTRA FIRST GRADE

This is to certify that Elmo Neale Pickerill has been examined and passed pursuant to the Radiotelegraphic Convention, in

(a) adjustment, operation and care of apparatus thirty-two words a minute
(b) transmission and sound reading at a speed of thirty-five words a minute
(c) knowledge of international regulations and their enforcement
(d) knowledge of United States Naval Radio Regulations and of International Regulations as required by laws, Radiotelegraphic Convention, and other acts, and of International Regulations and their enforcement

The holder of this certificate is qualified to serve as Radio Operator for any service, in which any months were served at sea, and of superior knowledge and skill ascertained by special examination, this extra grade license is granted.

May 26 1914
Chief Examiner, U.S. Navy
Secretary of Commerce and Labor



Introduction

Your telephone is a very handy communications instrument. You've managed to memorize a certain grouping of telephone numbers, but you can't memorize all of them and you've got to rely upon a telephone directory to maximize your use of the 'phone. Think how inconvenient it would be if there weren't any telephone books! Not all that long ago, that was exactly the situation, however.

Just as the 19th Century was turning into the 20th Century, a sufficient number of telephones had been installed to make it difficult for a person to memorize all of the numbers to be rung-up, and a nuisance to maintain and update handwritten records. And what about getting the numbers for those who hadn't advised you of their new or changed numbers? That's when they started printing telephone lists, then books. A modern telephone book for a major city is thick enough to use to replace the missing leg from virtually any couch; heavy enough cause you to do a little flamenco two-step should it drop onto your shoe-- or, heaven forbid, bare foot!

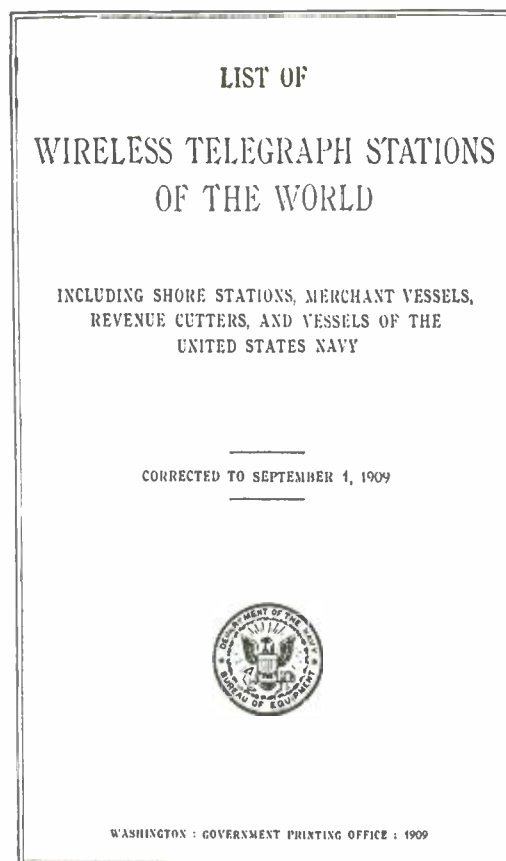
When it came to wireless, many looked upon it as a short lived novelty. When, on March 3rd, 1899, the good ship R.F. Matthews crashed into England's East Goodwin Lightship during a gale, the first radio distress call went out. That event helped to increase public awareness about the many advantages wireless communications had to offer.

Before very long, ships of all sizes and types were installing wireless equipment, and coastal telegraph stations began popping up throughout the world. At first the stations called one another by spelling out the full name of the vessel or shore station. That evolved into a more simplified system akin to that long used by landline telegraphers-- putting into use self-concocted two and three letter designations.

That system sufficed for a while, but as more and more ship and shore stations took to the airwaves it became all but impossible to keep track of which "call letters" (as they had become known) belonged to which stations. Also, there were many instances of confusing duplications in these designators. It was obvious that the situation would become total chaos unless an orderly and non-duplicating system of call letters was devised, and the resultant information passed out to all communications interests.

In the early days of wireless communication, generally operations concerned maritime interests, all of whom were well aware of the safety benefits and economical aspects of the device. Yet, companies were reluctant to issue complete listings of station call letters because that would mean including information about their competitors. As a result, they would publish rosters of only the ships and shore stations under their own control. A wireless operator would therefore need a shelf filled with books and pamphlets in order to have relatively complete data on the call letters used by all ship and shore stations.

The situation still needed tending and organization. It seemed that unless a governmental agency got a



The U.S. Navy produced this comprehensive worldwide station roster in 1909.

grasp on things, there would never be any practical improvement. That's when, in 1909, the U.S. Navy stepped in and published a complete roster of all of the call letters used by all of the world's coastal stations and ships (including merchant, revenue, and naval vessels). It wasn't long before other governmental organizations brought out comparable directories.

Now, it looked as though everybody wanted to get into the act. The government publications were soon joined by a number of commercially produced directories that were being offered for sale. Eventually these directories also contained advertising for wireless equipment sales and service.

In the early 1900's there were a couple of hundred radio "amateurs" on the air. These operators, using home built equipment and self-assigned call letters were also trying to sort one another from the pack. That's when Hugo Gernsback, one of the first commercial publishers in the field of wireless, brought out his Wireless Blue Book listing all of the "amateurs." Gernsback was already publishing Modern Electronics, the first

Wireless Telegraph Call List of the Pacific

NOVEMBER 20, 1913 **SOS DISTRESS CALL** **R I RADIO INSPECTOR, Pacific Coast, San Francisco** PRICE 25 CENTS

DGO Hrogratio DHO Hothor DHP Hozort DHX Hozperu DIP Hozpuz DMR Hozpuz DMP Hozpuz DMX Hozpuz	KPD Friday Harbor, Wash. KPH San Francisco, Cal. KPI Avalon, Cal. KPJ San Pedro, Cal. KPK Kureka, Cal. KPL Marshfield, Oregon KPM El Segundo KPN Yacht tycoon KPO Muzirua	VDE Kiahaw VDE Quanta VDF Prizorra Adelaide VDF Prizorra Mary VDF Prizorra Hestiro VDF Prizorra Alira VDF Prizorra Charlotte VDF Prizorra Victoria VDF Prizorra Royal VDF Prizorra May VDF Prizorra Sophia	WRA Henry T. Mott WRB Heria WRC J. W. Mieloo WRD P. H. Hild WRE Har - rd WRF Parisa WRG Arisa WRH Faloo WRI Nume City WRJ Kozuko WRK Kanta I. lam WRL (ou W. Kider WRM Allhoar WRN Kibura
KKE Kobbaw, T. H. KKL Kobbaw, T. H. KKM Libao, T. H. KKN Libao, T. H. KKO Kowaboo, T. H. KKP Kowaboo, T. H. KKQ Kowaboo, T. H. KKR Kowaboo, T. H. KKS Kowaboo, T. H. KKT Kowaboo, T. H. KKU Kowaboo, T. H. KKV Kowaboo, T. H. KKW Kowaboo, T. H. KKX Kowaboo, T. H. KKY Kowaboo, T. H. KKZ Kowaboo, T. H.	KAD Kobbaw, T. H. KAE Kobbaw, T. H. KAF Kobbaw, T. H. KAG Kobbaw, T. H. KAH Kobbaw, T. H. KAI Kobbaw, T. H. KAJ Kobbaw, T. H. KAK Kobbaw, T. H. KAL Kobbaw, T. H. KAM Kobbaw, T. H. KAN Kobbaw, T. H. KAO Kobbaw, T. H. KAP Kobbaw, T. H. KAQ Kobbaw, T. H. KAR Kobbaw, T. H. KAS Kobbaw, T. H. KAT Kobbaw, T. H. KAU Kobbaw, T. H. KAV Kobbaw, T. H. KAW Kobbaw, T. H. KAX Kobbaw, T. H. KAY Kobbaw, T. H. KAZ Kobbaw, T. H.	WPA Prizorra WPD Zepora WPE Starr WPF Columbia WPG Ozeonia WPH Wallia WPI Joseph Pulliam WPJ Camilo WPK Edgar H. Vaoro WPL Spoodall WPM Yomito	WRA Henry T. Mott WRB Heria WRC J. W. Mieloo WRD P. H. Hild WRE Har - rd WRF Parisa WRG Arisa WRH Faloo WRI Nume City WRJ Kozuko WRK Kanta I. lam WRL (ou W. Kider WRM Allhoar WRN Kibura WRO Kibura WRP Kibura WRQ Kibura WRR Kibura WRS Kibura WRT Kibura WRU Kibura WRV Kibura WRW Kibura WRX Kibura WRY Kibura WRZ Kibura

PUBLISHED BY
AYLSWORTH AGENCIES CO.
149 NEW MONTGOMERY ST., SAN FRANCISCO, CAL.

WESTERN AGENTS FOR
CLAPP EASTMAN CO. RADIO TELEPHONE CO.
C. BRANDEB, INC.

By 1913, small commercial publications were starting to appear. This 25¢ directory offered information about American, Canadian, and Japanese ship and coastal station call signs.

monthly wireless magazine, so (as an accommodation to the Wireless Association of America) an "amateur" station directory was a natural for him.

The Radio Act of 1912 took control of commercial and amateur stations out of the realm of the Navy Department and put the matter in the hands of the Department of Commerce. This move also gave official status to the amateurs, including federally assigned call letters in accordance with recently devised international agreements awarding specific groupings or blocks of call letters to the nations of the world for assignment to their own commercial and amateur stations.

The Department of Commerce began bringing out its own station registries showing the names and addresses of all Americans it had licensed. With the rapidly accelerating rate of new licensees, the agency soon found it necessary to split its listing into two separate volumes, one covering the commercial (coastal, ship, press) stations, and the other covering amateur and experimental stations.

Inasmuch as the Dept. of Commerce publications related only to American licensees, it was left an

international organization in Berne, Switzerland, to publish complete listings of the world's commercial stations. This organization still exists and is known as the International Telecommunications Union. Located now in Geneva, it continues to act as an international clearinghouse for communications matters. It also publishes various communications directories noted for their very high prices and questionable accuracy.

There were, of course, innumerable commercial directories and registries available covering every type of station capable of sending a signal out into the ether.

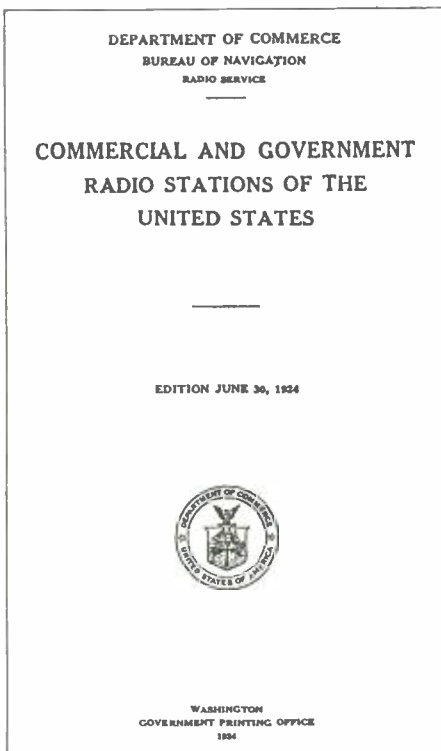
In 1920, Charles O. Stimson launched publication of his Citizen's Amateur Call Book, a directory that continues in regular publication under its current title, The Radio Amateur Call Book. Published in Chicago, the book is available in two volumes, one listing only American licensees, those holding licenses issued by all of the other nations.

Within the past few years, others have entered the ham radio directory field, offering directories of American licensees arranged according to name and by state/city location.

RADIO CALLS ALPHABETICALLY BY VESSELS

VHN....Katoomba Br ss JGF....Katori Ja nv JKR....Katori Maru Ja ss NAFG....Katrina Luckenbach Am nv KWU....Katrina Luckenbach Am ss JVL....Katsura Ja nv JWY....Katsuriki Ja ss GEH....Katuna Br ss JGL....Kawachi Ja nv JPC....Kawachi Maru Ja ss JJD....Kawasaki Maru Ja ss PFD....Kawi Du ss JKO....Kayo Maru Ja ss KUJ....Kazanetz Ru nv KZM....Kazembe Br ss KZP....Kazembe Am nv	RGU....Khrabri Ru nv MCE....Khyber Br ss GJP....Kia Ora Br ss XQC....Kiang-Chien Cs nv XQH....Kiang-Han Cs nv XQR....Kiang-Li Cs nv XQU....Kiang-Yuen Cs nv KVEO....Kickapoo Am ss NALG....K. I. Luckenbach Am nv KHY....K. I. Luckenbach Am ss XPN....Kien-An Cs nv XPO....Kien-Kong Cs nv XPU....Kien-Wei Cs nv
---	---

The 1919 Consolidated Radio Call Book had grown into a 220 page volume listing the world's ship and coastal stations. Listings were arranged according to call letters and station (or ship) name. It included warships of all nations.



The Dept. of Commerce station list for 1924.

When radio broadcasting began in earnest (1921), the Department of Commerce duly included these stations in its commercial/government station directory. There was no instant stampede from commercial publishers to get into this field because it remained to be seen if there was any future to broadcasting. Many thought it would be a quickly passing fad.

Publisher Hugo Gernsback, however, had high hopes for broadcasting. His magazine Radio News normally covered the activities of the amateurs and experimenters. Feeling that these would be the people to offer the first enthusiasm for broadcasting, he quickly started sprinkling broadcasting coverage throughout his magazine-- to the delight of his readers.

Radio News began including listings of broadcast stations within its pages. These were probably the first listings on a national basis, although there were several local coverage listings within a few years after the start of the broadcasting industry.

One such listing was the Rhode Island Call Book, first published in 1924 by Charles deWitt White of Providence RI. The booklet was such a success that it encouraged White to enlarge the scope of his coverage and change the publication's title to White's Triple List of Radio Broadcast Stations-- triple list because it listed the stations according to call letters, locations, and wavelength.

Insofar as Mr. White goes, what followed became legend. Under the title of White's Radio Log, and hiding behind one of the most unappealing front covers in the annals of publishing, this directory continued to be published and regularly updated throughout the decades, although passing into new ownership upon White's death (at age 76) in 1957.

White's Radio Log continues to be published under the ownership of Worldwide Publications Inc., North Branch NJ.

Of course, White wasn't the only one to try to serve the broadcast listener with a station listing. There were many others that "didn't last very long, including Gernsback's Radio Listeners' Guide and Call Book, C.O. Stimpson's Radio Call Book Magazine and Technical Review, The Toledo Blade's International Radio Atlas, Stevenson's Bulletin of Radio Broadcasting Stations, the Improved Radio Broadcasting Station Map and Log, the Listeners Official Radio Log, the Radio Log and Call Book (by Merle Duston), Keller's Radio Call Book and Log, the Radio Travel-Log, the RCA Radiotron Radio Log, Morton's Salt Radio Map of the United States, the Zion Radio Log and Call Book (published by WCBD's owner, Wilbur G. Voliva who insisted that the world was flat), The Blue Radio Station Finder and Log, and probably dozens of others.

In addition to the foregoing, throughout the late 1920's and until 1942, there was Radio Index (RADEX) magazine, a wonderful little monthly publication devoted to the listening hobbyist. RADEX regularly included within its pages, extensive rosters of all types of communications and broadcasting stations.

Today, in addition to White's Radio Log, there is also Vane Jones' popular North American Radio-TV Station Guide, as well as a station directory put out by the National Radio Club. For FM fans, there is Bruce Elving's excellent FM Atlas and Station Directory.

Listings of commercial, military, maritime, aviation, press, diplomatic, radiobeacon, and other non-broadcast (and non-ham) stations are best obtained in any of several commercially published directories available from many stores and mail order suppliers devoted to monitoring hobbyists.

These same dealers also carry police/fire and VHF/UHF two-way station directories. There are also



A cover only a mother (and the public) could love!

GOVERNMENT VESSELS

United States Navy

[For explanations and abbreviations see p. 3]

Signal and radio call letters	Propulsion	Name of vessel	Displacement (standard)
			Tons
NABC		HOPOCAN	
NABD	Turbine, 4 screws	INDIANAPOLIS	9,950
NABF	Turbine, 2 screws	RANGER	14,500
NABO		NASHVILLE	10,000
NABJ	Turbine, 4 screws	NEW ORLEANS	9,950
NABL		FANNING	1,500
NABS	Single screw	TANAGER	840
NABX		ST. LOUIS	10,000
NACB	Turbine, 4 screws	PORTLAND	9,800
NACD	do	HELENA	10,000
NACF	do	MINNEAPOLIS	9,950
NACN		ALA.	
NACP	Turbine, 2 screws	STRINGHAM	1,090
NACR	do	RATHBURN	1,090
NACS	Single screw	Owl	840
NACT	Turbine, 4 screws	ARKANSAS	26,100
NACV	do	ARIZONA	32,600
NACW		AUK	
NACZ	Single screw	ALLEGHENY	1,000
NADB	do	ACUSHNET	645
NADC	Twin screw	YP-24	37
NADD		PT-11	
NADG		DENVER	
NADH		PTC-12	
NADJ		MENEWA	
NADK	Turbine, 2 screws	NEVADA	29,000
NADM		PC-461	
NADN	Twin screw	OKLAHOMA	29,000
NADO		FIRECREST	
NADP	Single screw	AVOCET	840
NADQ		FRIGATE BIRD	
NADT	Twin screw	NEW YORK	27,000
NADV	do	TEXAS	27,000
NADW		PC-474	
NADY		PT-20	
NADX	Turbine, 4 screws	PENNSYLVANIA	33,100
NAFB		ONEKA	
NAFC	Turbine, 2 screws	DICKERSON	1,090
NAFD		CURRITUCK	
NAFF	Single screw	BRANT	840
NAFG		PC-469	
NAFK	Twin screws	PATRIOT	190
NAFL	Turbine, 2 screws	LEARY	1,090
NAFO		PINTAIL	
NAFP	Twin screw	YP-25	37
NAFQ	Single screw	DREADNAUGHT	510
NAFR	Turbine, 1 screw	ARCTIC	5,975
NAFT	Electric, 4 screws	CALIFORNIA	32,600
NAFV	Turbine, 4 screws	CHESTER	9,200
NAFW		PT-15	
NAFX	Twin screw	R-17	530
NAFY		PTC-6	
NAFZ	Turbine, 4 screws	WICHITA	10,000
NAGB	Twin screw	O-9	480
NAGD		GERONIMO	
NAGF		BENSON	1,620
NAGJ		PC-462	
NAGK		SIMS	
NAGL	Turbine, 2 screws	CHANDLER	1,190
NAGM	Turbine, 4 screws	CHICAGO	9,300
NAGN		TAMORR	1,475
NAGO		ESSEX	
NAGS	Turbine, 2 screws	WARD	1,060
NAGT		WHARTON	
NAGX		GWIN	1,630

Until the entry of the United States into WWII, the Department of Commerce published a call letter directory that contained all U.S. Navy ships.

many excellent clubs devoted to the listening hobbyist; such groups publish monthly newsletters filled with the latest frequency and station information about AM and shortwave broadcasters, as well as two-way and other non-broadcast stations of all kinds operating between 15 kHz and 900 MHz! A listing some of these clubs is given elsewhere in this book.

The lost word in data on international shortwave broadcasting stations is the venerable World Radio TV Handbook, published in yearly editions since the late 1940's. It's a rather complete guide covering every nation in the world, complete with station addresses, schedules, frequencies, identification announcements,

and everything else you'd ever want to know about shortwave broadcasters. It's available from many electronics dealers (published by Billboard Publications, 1515 Broadway, New York NY 10036).

Radio Database International (published by International Broadcasting Services, Ltd., Penns Park PA 18943) is a quick-access guide to shortwave broadcasting schedules. Published in several updated sections, RDI is a book giving the listener information on what stations are occupying which frequencies around the clock.

Your interest is directed also to Popular Communications magazine, a monthly publication devoted to broadcast and communications hobbyists, DX'ers, and enthusiasts. POP'COMM, published at 76 North Broadway, Hicksville NY 11801, has plenty of station activity information on AM broadcast, shortwave broadcast, radioteletype, shortwave two-way, scanner band, and others, even including pirate broadcasters. Feature stories include regular coverage of wireless and broadcast history and old time stations. The magazine is sold on many newsstands and is also available by direct subscription. The author of this book modestly admits to being the Editor of POP'COMM.

Speaking Of This Book...

The purpose of this book is to offer an overview of wireless as it evolved from the early formative years and through the so-called Golden Years of radio broadcasting, and right to 1946-- the beginnings of the time when television broadcasting began in earnest.

Although innumerable fascinating references have been written about the technical aspects of those years, the applications of radio, as well as broadcast programs and performers, there has never been any retrospective or chronicle of the stations that made it all happen; the coastal stations and ships, the broadcasters, early police stations, the first radio-equipped aircraft, and all of the others.

The author has attempted to give the reader a chance to leaf through rare and historic archive information on the stations that were operating between 1900 and 1946, with selected stopping points to permit comparisons with what had gone on before and what was to come in the future.

In most instances, to preserve the historic integrity of the reference materials, the original documents have been faithfully reproduced. These materials have been drawn from the pages of RADEX, Stevenson's Bulletin, early 1920's copies of Radio News, and various other publications of the era. The trade-off is that, there are a couple of places where the original text was in so-so shape, with resulting repercussions during the reproduction process-- a small compromise to make in order to see this stuff just as it was read and used in past decades.

Also included are some quaint old QSL cards, a few early-radio vignettes and ads from the 1920's to add some of the flavor of the times. Needless to say, the ads are presented only for historic interest and the products shown haven't been available for more than 60 years. For good measure, a few radio station trade ads from right after WWII are also included for their historic interest (only).

You can use the station information in this book see the results of several government-imposed frequency reorganizations that shook broadcasters over the years, you can see changes in station ownership and transmitting power, note call sign and location changes, trace the history of broadcasting in your local area. You can even see the many changes that took place on the shortwave bands as the threat of war in the late 1930's turned into the reality of World War II with its many propaganda broadcasters.

WDSU Offers . . .

- ★ 5,000 Watts, Delivering 20,000 Watts, In The Populated Areas Of South Louisiana-Mississippi
- ★ Occupies A Central Dialing Position
- ★ First in Daytime Listening (—Hooper)
- ★ Affiliated With the A B C Network
- ★ Emphasizes Local Programming!
- ★ Carries BOTH AP and UP News Service
- ★ New Orleans' ONLY 24-Hour Radio Station!



You'll probably be surprised to find out about the long-forgotten broadcasters that once operated in your community; no less surprised to see how many early broadcasters are still on the air! Maybe in the early years one of your area broadcasters utilized a hokey identification slogan that nobody remembers anymore-- and today's station management would like to forget. We've got plenty of those, too.

Basically, we think that we have covered all of the bases here, from the the first ship distress call (1899) right up to the era of FM broadcasting--

The author wishes to thank those who kindly assisted in the presentation of this material, most especially a young radio historian who writes under the name of Alice Brannigan. Some of the QSL's and other materials came from Alice's extensive collection.

KFMB
Sells
SAN DIEGO

San Diego County is important on any marketing map . . . and KFMB is important in covering this concentrated market from "within." 373,000 persons live within 15 miles of our antenna.

KFMB
BASIC AMERICAN NETWORK
(Pacific Coast)
SAN DIEGO, CALIF.

MANAGED BY JACK GROSS
BY BRANNAM CO.

73's
Tom Kneitel
K2AES

POSTWAR WASHINGTON, D. C.

The Planning Committee of the Washington Board of Trade and the Opinion Research Corporation of Princeton, N. J., have released some extremely pertinent findings on the immediate peacetime prospects for Washington. Look for them in our WWDC ads.

WWDC
the big sales result station in Washington, D. C.

Represented nationally by
MCC & COMPANY

There's a new station in
TORONTO, CANADA

Be sure to get the dope on CHUM, the Time-Buyer—and put "The Friendly Station" down on your schedule!

CHUM is a 1,000 Watt Community Station, offering you 88% potential coverage of Canada's largest market.

CHUM
The Friendly Station
31 DUNDAS SQUARE, TORONTO CANADA

REPRESENTATIVES:
ADAM J. YOUNG IN INC.—NEW YORK • CHICA
RADIO REPRESENTATIVES LIMITED

KCOR

San Antonio's Only
ENGLISH-SPANISH Radio Station

National manufacturers can cash-in on the tremendous buying power of the Spanish speaking population of San Antonio and trade territory. Station KCOR features programs directed to this great listening audience . . . broadcast both in English and Spanish. Rate card on request.

CALCABIEU BLDG. — SAN ANTONIO, TEXAS

1350
KILOCYCLES • 1000 WATTS

WBIG
GREENSBORO
N.C.

COLUMBIA AFFILIATE

"The PRESTIGE STATION of the CAROLINAS"

famed
for
Showmanship

GEO. P. HOLLINGBERY, INC. Nat'l Reps.

WVRL
NEW YORK

LOW COST PROGRAMMING THAT SELLS IN NEW YORK'S HIGH COST MARKET

ASSOCIATED PRESS NEWS STANDARD & ASSOCIATED LIBRARIES

1600
"THE HIGH SPOT ON THE DIAL"

WGCM VOICE OF THE MISSISSIPPI GULF COAST

COVERS MISSISSIPPI'S SECOND MARKET

You'll get good results from WGCM because this station covers a vital growing market. For instance, last year Harrison County (Gulfport-Biloxi) led the entire state of Mississippi in Food Sales; retail sales in the WGCM area totaled more than \$130,000,000, and 70 homes in the area almost doubled in 1940 to 1945. Write for schedules.

HEWES-MARTIN BLDG.
GULFPORT, MISSISSIPPI
BROADCASTING COMPANY
National Representatives

THE FRIENDLY GROUP

Stations in Four States under the experienced management of "The Friendly Group". Extending you a friendly hand for more business from these thriving markets.

For further details, write John Laux, Managing Director "The Friendly Group", Steubenville, O.

National Representative: Joseph Hensley McCillivray, Inc.
New York • Chicago • Los Angeles • San Francisco

WASHINGTON, PA.
BOB KLIMENT, MGR.
MUTUAL

WKNY
KINGSTON, N. Y.
LOU STEKETE, MGR.
MUTUAL

These ads appeared right after WWII. Do you recognize any of the stations?

The "WHY," of (1931)

Their Origin and History Traced

By L. A. Corridor

Radio Division, U. S. Dept. of Commerce
NO doubt there are thousands of radio enthusiasts who have liberated as to why call letters are assigned to radio stations, especially broadcasting stations, and as to what significance there is in the different groups of these letters.

In the early days of radio, or wireless, as this science of communication at one time was called, there was not very much system in the use of these calls for station identification.

After the establishment of the Radio Division of the Department of Commerce, on July 1, 1911, to enforce the provisions of the Radio Act of June 24, 1910, which was the first radio act enacted in the United States and following the ratification of the Berlin Convention of 1908, this country was allocated all combinations beginning with N, W and all of the K combinations with the exception of certain calls then assigned to stations of other countries. Subsequently, all the K, N and W calls, with the exception of the groups beginning with KA, KB and KC, were reserved for the United States.

The Radio Division, in order that the identification of stations may more readily be ascertained, allocated all K calls to land stations on the Pacific coast and to ships plying the Atlantic Ocean and Gulf of Mexico stations. The W calls were allocated to Atlantic and Gulf coast stations and stations on the Great Lakes. Ships plying the Pacific Ocean were also assigned W calls. This practice worked smoothly until the opening of the Panama Canal. From that time on, with ships going from one ocean to the other, either K or W calls were of necessity used and assigned to vessels in both oceans.

During the infancy of radio practically all land stations were on the coast, as all communication was done between ship-to-shore stations, there being no point-to-point communication between sta-

tions within the country. K calls at the time of the beginning of broadcasting were assigned to inland stations east or west of the Mississippi River; however, after the first broadcasting stations were erected, that river was made the dividing line of K and W calls. KDKA, East Pittsburgh, and KYW, Chicago, are among the pioneer broadcasting stations which accounts for these stations having K calls assigned to them.

Along about 1917, when this country entered the world conflict, the call combination of three letters were exhausted, making it necessary for the grouping of an additional letter. The International Radiotelegraph Conference held at Washington in 1927 allocated the remaining combinations beginning with KA, KB and KC to the United States, due to the arrangement decided upon to assign only three-letter calls to stations in the international service, that is, land stations communicating with ships at sea and land stations communicating with foreign countries. The number of stations of this category had increased tremendously. Four-letter calls under the Convention are now assigned to ships and land stations in domestic point-to-point service and five-letter calls are given to radio-equipped aircraft.

Fitting Calls to Stations

Shortly after the inception of broadcasting, the idea of giving calls to broadcasting stations that would have some special significance was conceived and, to begin with, assigned KOP to a station of the Detroit police department which since then has been placed out of commission. With the popularity of this call came a deluge of requests for calls designating the initials of a slogan, the owner's name, the name of a city, or state in which a station may be located. The station of the Radio Corporation in Washington, asked for WRC, which readily can be seen to stand for Washington Radio Corporation. Then along came a number of others, including WGN, Chicago, which stands for the slogan of the Chicago Tribune; WCCO,

St. Paul, Washburn-Crosby Co.; WACO, Waco, Texas, as one can observe, spells the name of the city in which this station is located; WJJD, Mooseheart, Ill., forgetting the initial letter which must be assigned, stands for James J. Davis, Director General of the Loyal Order of Moose, former Secretary of Labor and now junior Senator from Pennsylvania; WMMN, Fairmount, W. Va., stands for Senator Mansfield M. Neely, of that state; WGP, Atlantic City, World's Greatest playground, is very appropriate.

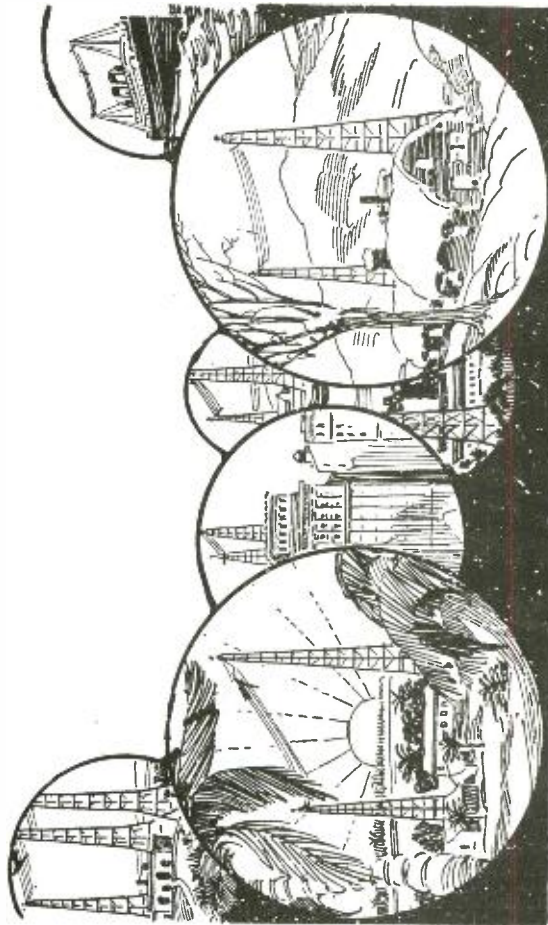
There are many others using exceptionally appropriate calls. In Florida, at Miami Beach, officials could not assign the call requested, but, thinking of Florida's semi-tropical climate, assigned WIOD which became the initial letters of that station's slogan, viz., "Wonderful Isle of Dreams." The corporate name of this station is now Isle of Dreams Broadcasting Company. A number of broadcasting stations which are incorporated have used their call letters for their corporate name or as the name of ownership.

A number of the calls used today were formerly assigned to stations now out of existence, some of which have had

stormy experiences. KGB, now assigned to a station, the transmitter of which is located in San Diego and the studio in Los Angeles, was at one time used by the steamer *D. N. Luckenbach*, sunk by a submarine off the French coast in 1917. KOB, State College, New Mexico, was formerly used by the steam screw *Princess Anne* up to the time she broke in two on Rockaway Shoals, New York, with a cargo loss of \$500,000. Radio played an important part in the rescue of the 106 persons on board.

In each of the three-letter call groups allocated, it will be seen that there are 676 combinations and in each of the four-letter groups there are 26 times that number, or 17,576, making a total of 54,756 combinations available for assignment to United States stations.

With the growth of aviation and the installation of radio transmitting equipment on the larger mail and passenger aircraft, all calls beginning with the letters KH were reserved for stations of this class. In addition to KH call signals of aircraft must have three other letters, making a total of five letters in the complete signal.



(1919) Assignment of Commercial Radio Calls

A	.....See Note Below.	OGA to OMZ	...See Note Below.
B*	.....Great Britain.	ONA to OTZ	...Belgium and colonies.
CAA to CEZ	...Chile.	OUA to OZZ	...Denmark.
CFA to CKZ	...Great Britain and protectorates.	PAA to PIZ	...Netherlands.
CLA to CMZ	...Spain.	PJA to PJM	...Curacao (Dutch).
CNA to CNZ	...Morocco.	PJN to PJZ	...Surinam (Dutch).
COA to COZ	...Great Britain.	PNA to PMZ	...Dutch East Indies.
CPA to CPZ	...Bolivia.	PQA to PZZ	...Brazil.
CQA to CQZ	...Monaco.	PTA to PVZ	...Portugal.
CRA to CUZ	...Portugal and possessions.	PWA to PZZ	...Netherlands.
CVA to CVZ	...Roumania.	Q	.....Reserved for code abbreviations.
CWA to CWZ	...Uruguay.	R	.....Russia.
CXA to CXZ	...Spain.	SAA to SMZ	...Sweden.
CYA to CZZ	...Mexico.	SNA to STZ	...Brazil.
D	.....See Note Below.	SUA to SUZ	...Egypt.
EAA to EHZ	...Spain and colonies.	SVA to SZZ	...Greece.
EIA to EZZ	...Great Britain.	TAA to TMZ	...See Note Below.
F	.....France and colonies.	TNA to TZZ	...See Note Below.
G	.....Great Britain.	UAA to UMZ	...France and colonies.
HAA to HFZ	...See Note Below.	UNA to UNZ	...Bosnia-Herzegovina.
HGA to HHZ	...Siam.	UOA to UZZ	...See Note Below.
HIA to HIZ	...Dominican Republic.	VA to VGZ	...Canada (British).
HJA to HKZ	...Republic of Colombia.	VHA to VKZ	...Australian Federation (British).
HLA to HNU	...Spain.	VLA to VMZ	...New Zealand (British).
HNV to HNZ	.....	VNA to VNZ	...South African Union (British).
HOA to HZZ	...France and colonies.	VOA to VOZ	...Newfoundland (British)
I	.....Italy and colonies.	VPA to VSZ	...British colonies not autonomous.
J	.....Japan and colonies.	VTA to VWZ	...British India.
KAA to KZZ	...See Note Below.	VXA to VZZ	...Colonies and protectorates of Great Britain.
KDA to KZZ	...United States.	W	.....United States.
LAA to LHZ	...Norway.	XAA to XDZ	...Mexico.
LIA to LRZ	...Argentine Republic.	XEA to XMZ	...Great Britain.
LSA to LUZ	...Great Britain.	XNA to XSZ	...China.
LVA to LVZ	...Guatemala.	XTA to XZZ	...Great Britain.
LWA to LWZ	...Norway.	Y	.....Great Britain.
LXA to LZZ	...See Note Below.	Z	.....Great Britain.
M	.....Great Britain.		
N**	.....United States.		
OAA to OBZ	...Peru.		
OCA to OFZ	...Great Britain.		

NOTE.—The calls beginning with A, with D, from KAA to KCZ, and from TNA to TZZ were reserved for Germany and possessions and are subject to change involved in results of the Treaty of Peace. The same applies to calls from HAA to HFC assigned to Hungary, LXA to LZZ to Bulgaria, OGA to OMZ to Austria, TAA to TMZ to Turkey, UOA to UZZ to Austria-Hungary.

*The call letters BAA to BVC are no longer assigned to British vessels of war. Accordingly, all the calls from BAA to BVC may be cancelled. The call letter BXZ henceforth designates any vessel of the British Navy whatsoever.

Calls of the Nations (1934)

Following are the initial call letters assigned to the countries of the world by international agreement. Some changes have recently been made in these assignments. This list therefore supersedes all others.

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

Calls beginning LW are now assigned to Argentine. The letter U is taken from Austria and given to the USSR. The former gets OEA-OEZ. Canada loses UWA-UZZ and gains CYA-CZZ and VXA-VYZ. Czecho-Slovakia gets OI and OJ in addition to OK. Dutch East Indies lose UIA-UKZ and get YBA-YHZ.

(1934)

WORLD Call Signs

By RAYMOND M. BELL

MOST broadcast stations have call signs for identification purposes. All those on short waves, except Radio-Colonials, use call letters; these calls are assigned in accordance with international agreement. Europe is the only continent which broadcasts on long waves. Long and medium wave stations generally have call signs. English, French, and German stations are outstanding exceptions. Those stations which have call signs can be grouped into three classes, of which WGY, LR4, and IRC are examples.

The first group, a combination of three or four letters is used most widely. Stations in Czecho-Slovakia (OK—), India (VU—), Union of South Africa (ZT—), Norway (LK—), Finland (OF—), and Sweden (SB—, SC—), use three letters. Of the above countries the first four generally assign the third letter in accordance with the name of the city, e.g. OKP Praha, VUC Calcutta, ZTJ Johannesburg, LKO Oslo. Brazilian calls are based on PRA—, and Japan uses JO-K. Tokio is JOAK, Osaka JOBK, etc. North American stations use three or four letters. The United States uses K for western and W for eastern stations. Mexican calls are based on XE— (commercial) and XF— (government). Cuban calls begin with CM—. Most Canadian calls

contain two C's, C—C— or C—C—. All combinations begin with CF, CH, CJ, or CK, except the new C. R. C. stations, CRCA, CRCO, CRCS, CRCT, and CRCV.

The second group of stations use call signs made up of letters followed by a number. Spanish stations, such as EAJ1, illustrate this. The U.S.S.R. call signs are similar, e.g. RV70. This type of call signs is popular in South America. Argentina uses LR—, Chile CE—, Uruguay CX—. DX listeners are familiar with LR4 in Buenos Aires. It may be of interest to point out here that the only stations in the world using over 15 kw. outside of Europe and North America are in Buenos Aires.

The third type of call signs is illustrated by 2LO. This type is used in Italy, Australia, and New Zealand at present. 3LO Melbourne and 2YA Wellington are examples. Many short-wave stations use this kind of call with an international prefix, e.g. W8XX, VK2ME, VE9GW.

A study of world call signs reveals a number of unusual ones, mostly in the United States. Brazil, however, offers PRAY at Mogy das Cruzes. The United States has KMBC and WMBC. Cuba has CMBC. Waco, Texas uses WACO. Other odd American calls are KICK, KNOW, WARD, WASH, WEED, WELL, WILL, WIND, WOOD, WORK, and now WAVE.

FREE RADIO STAMPS

618 beautiful copper etched American, Canadian, and European stations, each with the call letters of a station. FREE with Ideal 46-page Radio Stamp Album and list of 618 stations alphabetically and by call letters. As you hear new stations, just put the proper stamps in your album. Album and interesting record of the stations you collect. You and your friends will enjoy it. Complete album \$7.95, heavy board covers \$1. plus postage.

Send No Money
Just pay postman after album and stamps arrive. We prepay postage if you prefer. **NO MONEY REFUNDED—NOW** Postal will do. LIGHTED. Send order today—Wrigley Bldg., IDEAL CO.

EAGLE MINUTEMAN
DESIGNED BY W2CQI AND W2DHN

2-TUBE RECEIVER
For Complete Details See April Issue of Short Wave Supply United, 729 and 731

2 1/2 to 10 Meter \$4.75

FREE CIRCUIITS AND DETAILS ON REQUEST
ORDER DIRECT FROM THIS CO.

EAGLE RADIO CO.
CORTLANDT ST., NEW YORK CITY

Call Letter Jamboree

(1938)

A fellow named WILL said to KOY little KATE, "Poor KRIS, bashful swain, wishes me to relate WHAT trouble he's had in expressing his love For you, pretty WREN, and WOOD like you to shove Aside all the others, and tell him you'll be His friend, good and true; you'll like none but he."

"No, sir!" said the KID, "but I'm KEEN for a whirl Around the old town; let's get WARD and his girl. He's got lots of KOIN and WEED KAST cares away While dancing together and seeing Broadway. I don't care for KRIS, but I want you to KNOW 'Tis you WHOM I like best and not that old KROW."

This turn in affairs took our WILL by surprise. He felt the dire need of some good alibis. For WORK he had none, and the clothes that he WORE were tattered and shabby, and his little store Of KALE had diminished to practically nil And he couldn't pay his own share of the bill.

Now WRUP to the KORE was this tramp from the WEST, But KAWM and quick thinking when put to the test. "WELL, KIDO, I'm willing, but I never thought That I was the one whose favor you sought," He said to the KUTA, but to himself KUSD, "This girl is a WOW, but to leave her I must."

"I look like a WREC," to the lady he spoke. "Excuse me a while; here's a cig you can CMOK. WAAT I need to do is get clean clothes to WAIR, Some WATR to WASH in and a KOAM for my hair. Just wait here and I WIL return right away." A WAVE of his hand and he left for the day.

"Oh WEAU is my lot," cried the girl so chagrined On learning her lover had gone with the WIND. "Now WHO WOOD have thought he'd do such a WRAW trick? I'd WHIP him—I'd brain him with a WROK or a brick. If I had him I'd KOIL him with high tension WIRE And turn on the juice and just let him expire."

Our hero is headed for the land of KOTN Not thinking at all about his trick so rotten. He WRAX his poor brain with thoughts of KRIS, his old pal, WHO told him that KATE was such a KOY little gal!

What's In A Name?

While many modern broadcasters use identification slogans along with their assigned call letters, in earlier times the use of slogans was far more evident and they often were far more important to station recognition than its official callsign. Some stations had callsigns that bore no direct tie-in to their callsign, others requested specific callsigns that would coincide with the initials of their slogan. Still others attempted to concoct a slogan to match up with a randomly assigned set of call letters; this often resulted in bizarre, awkward, or unintentionally humorous slogans. The following is a sampling of slogans used by many broadcasters between 1926 and 1932. Check out WCBQ!

A June 1926 Listing:

Slogans of Broadcast Stations in U. S. and Canada

- KDLR—DEVILS LAKE, N. D.
North Dakota's Own Station. Voice of the Lake Region.
- KFAB—LINCOLN, NEBR.
Home Sweet Home Station.
- KFAD—PHOENIX, ARIZ.
The Voice of Phoenix—The Gold Spot of America.
- KFAU—BOISE, IDAHO.
KFA U and Voice of Idaho.
- KFBK—SACRAMENTO, CALIF.
Sacramento, The Heart of California.
- KFBL—EVERETT, WASH.
The Spark Plug of the North West.
- KFBU—LARAMIE, WYO.
The Top of the World.
- KFEL—DENVER, COLO.
Come Live in Colorado
- KFEY—KELLOGG, IDAHO.
Voice of the Coeur D'Alenes.
- KFFP—MOBERLY, MO.
The Gospel Messenger of the Air.
- KFGQ—BOONE, IOWA.
Daniel Boone Station.
- KFH—WICHITA, KANSAS.
Kansas' Finest Hotel.
- KFHA—GUNNISON, COLORADO.
Where the Sun Shines Every Day.
- KFHL—OSKALOOSA, IOWA.
Keen For Higher Learning.
- KFI—LOS ANGELES, CALIF.
The Radio Central Super-Station. A National Institution.
- KFJY—FT. DODGE, IOWA.
Where the Tall Corn Grows.
- KFKA—GREELEY, COLO.
We Are The Bears.
- KFKX—HASTINGS, NEBR.
Pioneer Repeating Station of the World.
- KFMR—SIOUX CITY, IOWA.
The College by the Sioux.
- KFMW—HOUGHTON, MICH.
Copper Country Station.
- KFNF—SHENANDOAH, IOWA.
Known for Neighborly Folks. Keep Friendly, Never Frown.
- KFOB—BURLINGAME, CALIF.
Kind Fellows of Burlingame.
- KFON—LONG BEACH, CALIF.
Where Your Ship Comes In.
- KFOR—DAVID CITY, NEBR.
The Voice of David City.
- KFPM—GREENVILLE, TEXAS.
The Biggest Little Ten Watts on the Air.
- KFPW—CARTERSVILLE, MO.
Keeping Pace With Christ Means Progress.
- KFQB—FORT WORTH, TEXAS.
Keep Folks Quoting Bible.
- KFRC—SAN FRANCISCO, CALIF.
Keep Forever Radiating Cheer.
- KFRU—COLUMBIA, MO.
Where Friendliness is Broadcast Daily.
- KFUC—LEMARS, IOWA.
The Best 50 Watt Station on the Air.
- KFUM—COLORADO SPRINGS, COLO.
Known for Unsurpassed Mountain Scenery.
- KFUO—ST. LOUIS, MO.
Gospel Voice.
- KFVN—FAIRMONT, MINN.
The Voice of Martin County.
- KFVR—DENVER, COLO.
Denver's Mighty Little Fifty Watt Broadcasting Station
- KFVS—CAPE GIRARDEAU, MO.
The City of Opportunity.
- KFWC—SAN BERNARDINO, CALIF.
The Gate City.
- KFWF—ST. LOUIS, MO.
The Voice of Truth.
- KFWM—OAKLAND, CALIF.
The Golden West Station KFWM.
- KFWO—AVALON, CALIF.
Katalina for Wonderful Outings.
- KFXB—BIG BEAR LAKE, CALIF.
Rim of the World Station.
- KFXJ—EDGEWATER, COLO.
America's Scenic Center, and Edgewater, Not Chicago, Colorado.
- KFYF—OXNARD, CALIF.
The Voice from the Radio Den.
- KGTT—SAN FRANCISCO, CALIF.
Glad Tidings.
- KGW—PORTLAND, ORE.
Keep Growing Wiser.
- KGY—LACEY, WASH.
Out Where the Cedars meet the Sea.
- KJR—SEATTLE, WASH.
Radio Headquarters.
- KLDS—INDEPENDENCE, MO.
The Station Dedicated to Knowledge, Liberty, Divinity and Service.
- KLS—OAKLAND, CALIF.
The City of Golden Opportunity.
- KLX—OAKLAND, CALIF.
Oakland, Where Rail and Water Meet.
- KLZ—DENVER, COLO.
Way Out West in Denver.
- KMA—SHENANDOAH, IOWA.
Keeps Millions Advised.
- KNRC—LOS ANGELES, CALIF.
The Friendly Station.
- KOA—DENVER, COLO.
Rocky Mountain Broadcasting Station.
- KOAC—CORVALLIS, ORE.
Science for Service.
- KOB—STATE COLLEGE, N. MEX.
Sunshine State of America.
- KOCH—OMAHA, NEBR.
Voice of 2,000 Students.
- KPO—SAN FRANCISCO, CALIF.
The Voice of San Francisco, the City by the Golden Gate.
- KPRC—HOUSTON, TEX.
Where Seventeen Railroads Meet the Sea.
- KQP—PORTLAND, ORE.
KQP and the Portland News.
- KQW—SAN JOSE, CALIF.
King's Quickening Word. Pioneer Broadcasting Station of the World.
- KSL—SALT LAKE CITY, UTAH.
Salt Lake City, The Center of Scenic America.
- KSMR—SANTA MARIA, CALIF.
The Valley of Gardens.
- KSO—CLARINDA, IOWA.
Keep Serving Others.
- KTAB—OAKLAND, CALIF.
Knowledge Truth and Beauty.
- KTHS—HOT SPRINGS NAT'L PARK, ARK.
Kum to Hot Springs.
- KTNT—MUSCATINE, IOWA.
The Home of the Calliophone, the first new tone in 40 Years.
- KTW—SEATTLE, WASH.
Serve the Lord, Preach the Gospel. Evangelize the World.
- KUOA—FAYETTEVILLE, ARK.
The Voice of the Ozarks.
- KUSD—VERMILLION, S. D.
South Dakota U for South Dakotans.
- KUT—AUSTIN, TEX.
Kum to the University of Texas.
- KWKC—KANSAS CITY, MO.
Keep Watching Kansas City.
- KWUC—LEMARS, IOWA.
The Best 50 Watt Station on the Air.
- KWWG—BROWNSVILLE, TEX.
Kum to the World's Winter Garden.
- WAAM—NEWARK, N. J.
The Sunshine Station.
- WAAW—OMAHA, NEBR.
Where Agriculture Accumulates Wealth.
- WABI—BANGOR, ME.
The Community Voice.
- WABZ—NEW ORLEANS, LA.
The Station with a Message.
- WAFD—PORT HURON, MICH.
Gateway to Great Lakes.
- WAIT—TAUNTON, MASS.
We Are in-Taunton.

SLOGANS OF BROADCASTING STATIONS IN U. S. AND CANADA

WAMD—MINNEAPOLIS, MINN.
The Call of the North.

WBBL—RICHMOND, VA.
The Gateway North and South.

WBMM—CHICAGO, ILL.
WBBM, The Stewart-Warner Station.

WBPP—PETOSKEY, MICH.
There's only one Petoskey.

WBBS—NEW ORLEANS, LA.
The Gospel Wave.

WBYY—CHARLESTON, S. C.
Seaport of the Southeast.

WBDC—GRAND RAPIDS, MICH.
Your Friendly Station.

WBNY—NEW YORK, N. Y.
The Voice of the Heart of New York.

WBRC—BIRMINGHAM, ALA.
The Biggest Little Radio Station in the World.

WBT—CHARLOTTE, N. C.
Queen City of the South.

WBZ—SPRINGFIELD, MASS.
The Broadcasting Station of New England.

WCAC—STORRS, CONN.
From the Nutmeg State.

WCAD—CANTON, N. Y.
The Voice of the North Country.

WCAL—NORTHFIELD, MINN.
At St. Olaf, the College on the Hill.

WCAU—PHILADELPHIA, PA.
Where Cheer Awails U.

WCAX—BURLINGTON, VT.
The Voice of the Green Mountains.

WCBD—ZION, ILL.
Where God Rules Man Prospers.

WCBE—NEW ORLEANS, LA.
2nd Port U. S. A.

WCBO—NASHVILLE, TENN.
We Can't Be Quiet.

WCBR—PROVIDENCE, R. I.
New One in Every City Where I Am.

WCCO—ST. PAUL-MINNEAPOLIS, MINN.
Gold Medal Station WCCO.

WCOA—PENSACOLA, FLA.
Wonderful City of Advantages.

WCSH—PORTLAND, ME.
The Voice from Sunrise Land.

WCWS—PROVIDENCE, R. I.
The Birthplace of the American Cotton Industry.

WDAD—NASHVILLE, TENN.
The Athens of the South. Where Dollars are Doubled.

WDAF—KANSAS CITY, MO.
The Nighthawks, the Enemies of Sleep.

WDBE—ATLANTA, GA.
We Distribute Better Equipment.

WDBK—CLEVELAND, OHIO.
Brox-Casting from Cleveland.

WDGY—MINNEAPOLIS, MINN.
See Young Again.

WDOD—CHATTANOOGA, TENN.
Wonderful Dynamo of Dixie.

WEAN—PROVIDENCE, R. I.
We Entertain a Nation.

WEBC—SUPERIOR, WIS.
Head of the Great Water Way.

WEBH—CHICAGO, ILL.
Voice of the Great Lakes.

WEBQ—HARRISBURG, ILL.
Blue Bird Station.

WEBR—BUFFALO, N. Y.
We Extend Buffalo's Regards.

WEBZ—SAVANNAH, GA.
Savannah, Georgia's Port.

WEEL—BOSTON, MASS.
The Friendly Voice.

WEMC—BERRIEN SPRINGS, MICH.
The Radio Lighthouse.

WENR—CHICAGO, ILL.
Makers of Radio for Years to Come.

WFAM—ST. CLOUD, MINN.
Granite City of the World.

WFBG—ALTOONA, PA.
Original Gateway to the West and Wish You All the Very Best.

WFBH—NEW YORK, N. Y.
Voice of Central Park.

WFBJ—COLLEGEVILLE, MINN.
In the Heart of a Landscape Paradise.

WFBM—INDIANAPOLIS, INDIANA.
Good Will Station.

WFBR—BALTIMORE, MD.
Home of the Star Spangled Banner.

WFDF—FLINT, MICH.
The Vehicle City.

WFRL—BROOKLYN, N. Y.
The Voice of Brooklyn.

WGBB—FREEPORT, N. Y.
The Voice of the Sunrise Trail.

WGBF—EVANSVILLE, IND.
Gateway to the South.

WGES—CHICAGO, ILL.
World's Greatest Electrical School.

WGHB—CLEARWATER, FLA.
The Springtime City Uniting the World.

WGR—BUFFALO, N. Y.
Key City of Industry.

WHAR—ATLANTIC CITY, N. J.
Pioneer Broadcasting Station of Atlantic City.

WHAS—LOUISVILLE, KY.
My Old Kentucky Home.

WHAV—WILMINGTON, DEL.
Wilmington—First City of First State.

WHAZ—TROY, N. Y.
The Oldest College of Science and Engineering in America.

WHB—KANSAS CITY, MO.
The Heart of America.

WHBF—ROCK ISLAND, ILL.
Where Historic Blackhawk Fought.

WHBG—HARRISBURG, PA.
Where Harrisburg Broadcasts Gladness.

WHBP—JOHNSTOWN, PA.
The Voice of the Friendly City.

WHBJ—FT. WAYNE, IND.
In the Middle of the Middle West.

WHBU—ANDERSON, IND.
The Home of Chief Anderson.

WHN—NEW YORK, N. Y.
The Station of the Great White Way.

WIAD—PHILADELPHIA, PA.
The Voice from the Birthplace of Liberty.

WIAS—BURLINGTON, IOWA.
On the Mississippi.

WIBA—MADISON, WIS.
Four Lakes City.

WIBM—CHICAGO, ILL.
The Gypsy Station.

WIBW—LOGANSPOUT, IND.
On the Banks of the Wabash.

WIBX—UTICA, N. Y.
The Hub of New York State.

WIL—ST. LOUIS, MO.
Watch It Lead.

WIOD—MIAMI BEACH, FLA.
Wonderful Isle of Dreams.

WIP—PHILADELPHIA, PA.
Watch Its Progress.

WJAG—NORFOLK, NEBR.
The Home of the Printer's Devil.

WJAR—PROVIDENCE, R. I.
The Southern Gateway to New England.

WJBB—ST. PETERSBURG, FLA.
Land of Perpetual Sunshine.

WJBC—LA SALLE, ILL.
Better Homes Station.

WLBL—MADISON, WIS.
Wisconsin Land of Beautiful Lakes

WJBR—OMRO, WIS.
Omro, the Center of the State of Lakes.

WJJD—MOOSEHEART, ILL.
Call of the Moose.

WKAV—LACONIA, N. H.
The Voice from the Winnepesaukee Lake Region.

WLIT—PHILADELPHIA, PA.
The Quaker City Siren.

WLSI—PROVIDENCE, R. I.
The New England Station.

WLW—CINCINNATI, OHIO.
The Station With a Soul.

WMBB—CHICAGO, ILL.
Station on the Trianon Ballroom.

WMBF—MIAMI BEACH, FLA.
Down in the Land of Palms and Sunshine—Down Where It's Always June.

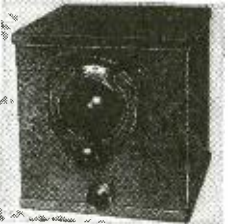
WMC—MEMPHIS, TENN.
Memphis, Down in Dixie.

WMCA—NEW YORK, N. Y.
Where the White Way Begins.

WNAD—NORMAN, OKLA.
Voice of Soonerland.

WNAL—OMAHA, NEB.
Pioneer Broadcast Station of Omaha.

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A REAL, powerful 2 tube short wave set that brings in foreign stations, police calls, amateurs, & broadcast stations under good conditions. The world at your fingertips. Inexpensive, simple, and easy to operate. Requires no batteries. Works entirely from 110 volt house current. Large, easy to follow wiring diagram and instructions. **WE GUARANTEE RESULTS.**

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- WNAT—PHILADELPHIA, PA.
We Never Are Tired in Philadelphia.
- WNBH—NEW BEDFORD, MASS.
The Gateway to Cape Cod.
- WOAN—LAWRENCEBURG, TENN.
Watch Our Annual Normal.
- WOAW—OMAHA, NEB.
WOAW, the Omaha Station.
- WOAX—TRENTON, N. J.
Trenton Makes, The World Takes.
- WOC—DAVENPORT, IOWA.
Where the West Begins and the State Where the Tall Corn Grows.
- WOCL—JAMESTOWN, N. Y.
WOCL—We're on Chatauqua Lake and "Jamestown" the Pioneer Furniture City.
- WOKO—NEW YORK, N. Y.
The Pioneer Radio Service Station.
- WOLO—CAMP LAKE, WIS.
The Play Ground of the Lake Region.
- WOOD—GRAND RAPIDS, MICH.
The Furniture Capital of America.
- WOWL—NEW ORLEANS, LA.
Where Owl Batteries Are Made.
- WOWO—FT. WAYNE, IND.
Wayne Offers Wonderful Opportunities.
- WPCC—CHICAGO, ILL.
We Preach Christ Crucified.
- WPG—ATLANTIC CITY, N. J.
WPG—World's Play Ground Atlantic City.
- WPRC—HARRISBURG, PA.
The Capital City of the Keystone State.
- WPSC—STATE COLLEGE, PA.
The Voice of the Nittany Lion.
- WQAC—AMARILLO, TEX.
Where Quality Alone Counts.
- WQAM—MIAMI, FLA.
Most Southern Broadcasting Station in the United States.
- WQAN—SCRANTON, PA.
The Voice of the Anthracite.
- WRAF—LAPORTE, IND.
The Voice of the Maple City.
- WRAW—READING, PA.
The Schuylkill Valley Echo.
- WRBC—VALPARAISO, IND.
World Redeemed By Christ.
- WREO—LANSING, MICH.
Watch—Reo.
- WRNY—NEW YORK, N. Y.
The Radio News Station.
- WSAR—FALL RIVER, MASS.
Fall River Looms Up.
- WSBC—CHICAGO, ILL.
It Won't Be Long Now.
- WSBT—SOUTH BEND, IND.
Voice of the Hoosier State.
- WSKC—BAY CITY, MICH.
Where the Summer Trails Begin.
- WSM—NASHVILLE, TENN.
We Shield Millions.
- WSMII—OWOSSO, MICH.
Watch Shattuck Music House.
- WSRO—HAMILTON, OHIO.
We Sell Radio Only. (The Oldest Exclusive Store in the West.)
- WSSH—BOSTON, MASS.
Strangers Sunday Home.
- WSVS—BUFFALO, N. Y.
Watch Seneca Vocational School.
- WTAD—CARTHAGE, ILL.
We Travel All Directions.
- WTAL—TOLEDO, OHIO.
The Gateway to the Sea.
- WTAR—NORFOLK, VA.
Down in Old Virginia.
- WTAX—STREATOR, ILL.
Tappa Keg O' Nails.
- WTIC—HARTFORD, CONN.
The Insurance City.
- WWAD—PHILADELPHIA, PA.
Penn City Station.
- CFCT—VICTORIA, B. C.
The Mecca of the Tourists.
- CFCY—CHARLOTTETOWN, P. E. ISLAND.
The End of the Black Fox Trail.
- CJWC—SASKATOON, SASK.
The Voice of Saskatoon. The University
- CKNC—TORONTO, ONT.
In the Land of the Sky Blue Water.
- CKY—WINNIPEG, MANITOBA.
Manitoba's Own Station.
- CNRA—MONCTON, N. B.
The Voice of the Maritimes.
- CNRV—VANCOUVER, B. C.
Voice of the Pacific.

September '31

- KDKA "Pioneer Broadcasting Station of the World."
- KDYL "Out On the Great Divide."
- KFJM "Grand Forks, the Education Center of the State."
- KFKA "The Pike's Peak Station."
- KLX "Where Rail and Water Meet."
- KLZ "It's a Privilege to Live in Colorado."
- KMOX "The Voice of St. Louis."
- KOB "The Sunshine State of America."
- KOIN "Hood River Apples from Portland."
- KPO "The Voice of San Francisco, City of the Golden Gate."
- KPRC "Kotton Port Rail Center."
- KTHS "Kum to Hot Springs."
- KUSD "South Dakota University for South Dakotans."
- KVOO "The Voice of Oklahoma."
- KWCR "The Voice of Cedar Rapids."
- KWGC "Voice of San Joaquin Valley."
- KWKC "Keep Watching Kansas City."
- KWWG "Kum to the World's Winter Garden."
- WAAW "Where Agriculture Accumulates Wealth."
- WBAP "Where the West Begins."
- WBAX "In Wyoming Valley, Home of Anthracite."
- WCAC "From the Nutmeg State."
- WCAD "The Voice of the North Country"
- WCAX "The Voice of the Green Mountains."
- WCCO "Service to the Northwest."
- WDAE "Away Down South in the Sunshine State."
- WDAY "Biggest Little City in the World."
- WDBJ "Roanoke, Down in Old Virginia."
- WDBO "Way Down by Orlando."
- WDOD "Wonderful Dynamo of Dixie."
- WEAU "The Heart of the Corn Belt." (?)
- WEAF "The Voice of the Millions."
- WEBR "We Extend Buffalo's Regards."
- WFAA "Working For All Alike."
- WFBG "The Original Gateway to the West."
- WFBM "The Convention City of America."
- WFBZ "Home of the Star-Spangled Banner."
- WFDW "The Vehicle City."
- WGAL "World's Gardens at Lancaster."
- WHBF "Where Historic Blackhawk Fought."
- WHK "Cleveland, the Convention City."
- WHN "Voice of the Great White Way."
- WLW "The Nation's Station."
- WIOD "Wonderful Isle of Dreams."
- WCBE "Second Port of the U. S. A." (?)
- WJAR "The Southern Gateway to New England."
- WLBL "Wisconsin, Land of Beautiful Lakes."
- WLS "World's Largest Store."
- WMC "Memphis, Down in Dixie."
- WNAD "Voice of Sooner Land."
- WNJ "Voice of Newark."

- WKAQ "The Isle of Enchantment, Where the World's Best Coffee Grows."
- WOAI "The Winter Playground of America."
- WOAX "Trenton Makes; the World Takes."
- WOC "Where the West Begins" and "In the State Where the Tall Corn Grows."
- WOCL "We're on Chatauqua Lake."
- WODA "The Voice of the Silk City."
- WOOD "The Furniture Capital."
- WOS "Watch Our State."
- WPG "The World's Playground."
- WQAM "The Most Southerly Broadcasting Station in the U. S."
- WQAN "The Voice of Anthracite."
- WRC "The Voice of the Capital."
- WRVA "Carry Me Back to Old Virginia."
- WSB "The Voice of the South."
- WTAG "The Voice From the Heart of the Commonwealth."
- WTAQ "The Voice of the Wilderness."
- WTAR "Down in Old Virginia."
- WTIC "The Insurance City."

November '31

- CFCA—Canada's Finest Covers America.
- CFCN—Voice of the Prairie.
- CFCO—Coming from Chatham, Ont.
- CFLC—Voice of the Mighty St. Lawrence.
- CKGW—Canada's Cheerio Station.
- CKOC—The Voice of Hamilton.
- CMX—Havana's Ether Stirrer.
- KCRC—Gold Spot of the South.
- KFBI—Sunshine Station in the Heart of the Nation.
- KFDM—Kall For Dependable Magnolene.
- KFGQ—Keep Faithful; Go Quickly.
- KFLV—The Voice of the Forest City.
- KFNF—The Friendly Station.
- KFOX—Where Your Ship Comes In.
- KFPX—The World's Biggest Little Station.
- KFPY—Spokane's Pioneer Station.
- KFXF—Voice of Denver.
- KGCR—Voice of Friendship.
- KGDA—World's Only Corn Palace.
- KGDY—The Voice of South Dakota.
- KGER—Wave of Long Beach.
- KGFG—Old Glory Station.
- KGFJ—Keeping Good Folks Joyful.
- KGGM—The Voice of the Health Country.
- KGHI—Little Rock's Most Popula: Station.
- KGKY—Western Nebraska's Only Radio Station.
- KGNO—In the Great Southwest.

- KHQ—Tells the World.
- KMBC—Midland Broadcast Central.
- KMMJ—Old Trusty.
- KNX—Voice of Hollywood.
- KOA—Voice of the Rocky Mountains.
- KOY—The Radio Voice of Arizona.
- KPQ—Voice of the Apple Country.
- KRMD—Where the Summer Trail Begins.
- KTAR—Arizona's Greatest Broadcasting Station.
- KTRH—Kum to the Rice Hotel.
- KTSA—Kum to San Antonio.
- KVOR—Voice of Rockies.
- KWJJ—Voice from Broadway.
- KWKH—Kill Worry; Keep Health.
- KXL—Voice of Portland.
- KXO—Imperial Valley Station.
- VAS—Voice of the Atlantic Seaboard.
- WAPI—The Voice of Alabama.
- WBBC—WCGU—Brooklyn's Own Stations.
- WBCM—Where the Summer Trail Begins.
- WBOW—The Banks of the Wabash.
- WCAH—The Pioneer Broadcasting Station of Columbus.
- WCCO—Washburn-Crosby Company.
- WCFL—The Voice of Labor.
- WCOB—Wonderful City of Distribution.
- WDAF—Home of the Night Hawks.
- WDEV—The Voice of the Green Mountains.
- WEHC—In the Hills of Old Virginia.
- WENR—The Voice of Service.
- WFBM—The Crossroads of America.
- WFDL—One of the Pioneers.
- WFIW—Whitest Flour in the World.
- WGBF—Cross Roads of the Air.
- WGH—World's Greatest Harbor.
- WHBU—Only Bank-Owned Station in Indiana.
- WHDL—The Voice in the Clouds.
- WHP—The Radio Voice of Central Pennsylvania.
- WIL—The Friendly Station.
- WIS—Wonderful Iodine State.
- WJBC—The Voice of the Illinois Valley.
- WJBI—Monmouth County's First Broadcasting Station.
- WJKS—Where Joy Kills Sorrow.
- WJR—The Good-Will Station.
- WKAV—The Gateway to the White Mountains.
- WKBF—The Voice of the Capitol.
- WKBI—We Kill Blues Instantly.
- WKBS—The Voice of Galesburg.
- WKRC—The Home of the Gruen Watch.
- WLBW—Northwestern Pennsylvania's Broadcasting Station.
- WLTH—The Voice of Brooklyn.

WLVA—In the Heart of Old Virginia, Where the Blue Ridge Begins.
 WMBO—The Voice of the Finger Lakes.
 WMRJ—In the Heart of Queensboro.
 WOPJ—The Voice of the Appalachians.
 WOR—One of America's Great Stores.
 WOW—Woodmen of the World.
 WPCC—We Preach Christ Crucified.
 WRAM—The Playground of the South.
 WRDW—The Call of Augusta, Ga.
 WREN—The Jenny Wren Station.
 WSB—Covers Dixie Like the Dew.
 WSPA—The Voice of South Carolina.
 WSUN—Why Stay Up North.
 WTBO—The Voice of Cumberland.
 WTOC—Welcome to Our City.
 XED—The Voice of Two Republics.
 XEJ—Voice of the Continent.
 XEN—The Voice of Mexico.
 XEW—The Voice of Latin America.

December '31

KELW White Spot of the San Fernando Valley.
 KEX A Public Service Necessity.
 KFAB Home Sweet Home.
 KFBL Voice of Puget Sound.
 KFEI The Argonaut Station.
 KFH Kansas' Finest Hotel.
 KFI National Institution.
 KFJB Marshalltown, the Heart of Iowa.
 KFKU Up at Lawrence on the Kaw.
 KFNF Known for Neighborly Folks.
 KPPL Baxter's Place.
 KQW Gateway to Alaska and the Orient.
 KFRU Where Friendliness Is Broadcast Daily.
 KFSG The Church of the Air.
 KFUL The City of Perpetual Sunshine.
 KFUO The Gospel Voice.
 KFXJ America's Seismic Center.
 KFXM Voice of the Orange Empire.
 KFYO Breckenridge, the Dynamo of West Texas.
 KGAR Way Out on the Desert.
 KGB Music for the Sick.
 KGBZ The Swine and Poultry Station.
 KGCU The Voice of the West.
 KGEZ The Beautiful Flathead Valley.
 KGFJ Voice of West Texas.
 KGU In the Land of Sunshine.
 KGW Keep Growing Wiser.
 KGY Where the Cedars Meet the Sea.
 KEJ Kindness, Happiness, Joy.
 KJBS Voice of the Storage Battery.
 KLS City of Golden Opportunity.
 KMA Keep Millions Advised.
 KMAC Radio Sam at San Antonio.
 KMED See Crater Lake.
 KMTR Your Friend in Hollywood.
 KOAC Science for Service.
 KOIL The Hilltop Studio.
 KQV The Smoky City Station.
 KRQV For God and Country.
 KRLD Down Where the Blue Bonnets Grow.
 KREI Kummunity Southeast Idaho.
 KSL Voice of the Intermountain Empire.
 KSMR The Valley of Gardens.
 KSO Keep Serving Others.
 KTAB Knowledge, Truth and Beauty.
 KTM The Station with a Smile.
 KVI Puget Sound Station.
 KWSC The Voice of the Cougars.
 NAA Where the Time Signals Originate.
 WAAM Sunshine Station.

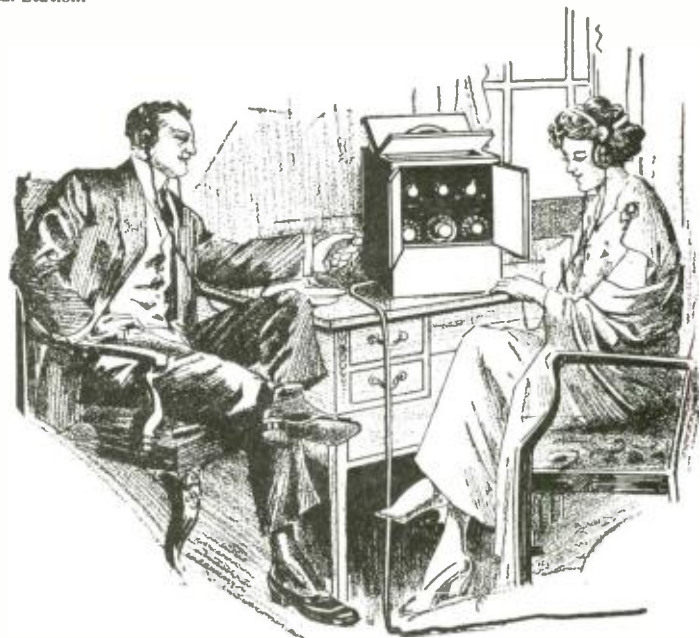
WABI The Pine Tree Wave.
 WADC Watch Akron Develop Commercially.
 WAIU Voice of American Insurance Union.
 WBAK Voice of Pennsylvania.
 WBAL The Station of Good Music.
 WBBL Richmond, the Gateway to North and South.
 WBBR Watch Tower.
 WBEN Buffalo Evening News Station.
 WBRC Biggest Little Station in the World.
 WBT Queen City of the South.
 WCAE Where Prosperity Begins.
 WCAI College on the Hill.
 WCAO Gateway of the South.
 WCAU Where Cheer Awaits U.
 WCHI Watch Tower Radio Word.
 WCMA Voice of Culver.
 WCSI Voice from Sunrise Land.
 WDAE Voice of Times at Tampa.
 WDAF Enemies of Sleep.
 WDAG Where Dollars Always Grow.
 WDEL First City of the First State.
 WEAN We Entertain a Nation.
 WEEL The Friendly Voice.
 WFBO Original Gateway to the West.
 WFBL When Feeling Blue, Listen.
 WFI Key City of Industry.
 WFLA Inviting the World to the Springtime City.
 WGBB Voice of the Sunrise Trail.
 WGES World's Greatest Entertainment Service.
 WGBT Southern School with the National Reputation.
 WIBR Where Investments Bring Results.
 WIBW Where Investments Bring Wealth.
 WICC Industrial Capital of Connecticut.
 WIP-WFAN Watch Its Progress, Philadelphia.
 WJAC Voice of the Friendly City.
 WJAG Home of the Printers' Devil.
 WJAX Wonderful Jacksonville.
 WJBU In the Heart of the Keystone State.
 WKBF We Keep Building Friendship.

January '32

CFCT The Mecca of Tourists.
 CFCY The Pioneer Radio Voice of Canada's Garden Province.
 CFQC The Hub City of the West.
 CFRB Just Plug In, Then Tune In.
 CHGS Holman's Guarantees Satisfaction.
 CHNS The Key Station of the Maritimes.
 CJCA The Sunniest Spot in Sunny Alberta.
 CHCD Canada's Western Gateway.
 CKCK The Queen City of the West.
 CKCO The Voice of Hamilton.
 CKMO The Tourist's Mecca of the Pacific.
 CKY Manitoba's Own Station.
 CMBS Majestic Radio Station.
 CMGF Sounds From Yumuri Valley.
 CMHC If You Hear the Koo of the Cuckoo, You Are in Tuinucu.
 CNRA Voice of the Maritimes.
 KBTM "The Voice of Crowley's Ridge."
 KFJU A Voice From the Far North.
 KFJY Fort Dodge, Iowa, Center of the State.
 KFJZ The Voice of Texas.
 KFPW "Fort Smith's Radio Station."
 KFXV Voice of the Grand Canyon at Flagstaff.
 KGBX The Foster Hall Station.
 KGHF The Voice of Pueblo.
 KGIR The Voice of Montana.
 KOCW The Friendly Station in a Friendly Town.
 KOH The Voice of Nevada.
 KRE Looking Through the Golden Gate.
 KSTP The Call of the North.
 KTSL The Reciprocal Station.

KTW Hear Ye! Hear Ye! The Gospel.
 KUOA The Voice of the Ozarks.
 KYW The 24-Hour Station.
 WAAT The Voice of the Gate of the Garden State.
 WABZ The Radio Voice of Louisiana.
 WALR On the Main Street of America.
 WBBM World's Best Broadcast Medium.
 WBBZ Serving the Southern Half of Kansas and the Northern Half of Oklahoma.
 WBIG Where Business Is Good.
 WBZ The Broadcasting Station of New England.
 WCBA The Voice of the Lehigh Valley.
 WCBD Where God Rules Man Prospers.
 WCBM The Voice of Keith's.
 WCRW The Gold Coast Station.
 WELK The Voice of the Elks.
 WHFC The Voice of the West Towns.
 WIBA The Capital Times Station.
 WIBX The Gateway to the Adirondacks.
 WILM The Friendly Voice of Wilmington.
 WISN The News at Milwaukee.
 WJBW The Friendly Broadcasting Station.
 WJSV A Voice From the Heart of the Nation.
 WKBB The Voice of Joliet.
 WKBH Service to the Middle West.
 WKBZ The Voice of Western Michigan.
 WKJC Your Own Station.
 WLAP Louisville's Own Station.
 WLBF Where Listeners Become Friends.
 WLBG The Voice of Southside Virginia.
 WLBL Wisconsin, Land of Beautiful Lakes.
 WLBX Radio Voice at Gateway of Long Island.
 WLEY The Lexington Air Station.
 WLIT Quaker City Siren.
 WMAZ Watch Mercer Attain Zenith.
 WMBD World's Most Beautiful Drive.
 WMBH Where Memories Bring Happiness.
 WMBI The West Point of Christian Service.
 WMBR Everything for Radio at Tampa.
 WMCA Where the White Way Begins.
 WMPC Where Many Preach Christ.
 WNBZ The Voice of Triple Cities.
 WNBH The Gateway to Cape Cod.
 WNOX Smokey Mountain Station.
 WNYC Municipal Station of the City of New York.
 WOQ The Voice of Unity.
 WPAW The City of Diversified Industries.
 WPEN First Wireless School in America.
 WPSC The Voice of the Nittany Lion.
 WRAW The Schuylkill Valley Echo.
 WRHM Welcome Rosedale Hospital, Minneapolis.
 WRUF The Voice of Florida.
 WSAI The Gateway to Dixie.
 WSAN We Serve Allentown Nationally.
 WSBC World Storage Battery Station.
 WSM We Shield Millions.
 WSMB America's Most Interesting City.
 WSMK The Home of Aviation.
 WSUI The Old Gold Studio.
 WSVS Watch Seneca Vocational School.
 WSYR The Voice of Central New York.
 WTAD The Voice of Agriculture.
 WTFI Telling Dixie About Everything.
 WWNC The Radio Voice of the Asheville Citizen.
 WWRL The Voice of Queens County.
 XER The Sunshine Station Between the Nations.
 XETA Radio Cultural.
 XETF La Voz de Vera Cruz.
 XEX Land of the Aztecs.

*a 5-foot wire
 thrown over a
 desk, my wife
 and I listened
 to a concert from
 Portland, Oregon
 over 600 miles
 distant."*



The Pioneering Years; 1919 & Earlier

This is a listing of many early wireless stations from 1919 and earlier. Some, of course, remained on long after 1919 and are still active to this day. In some instances, a date in parentheses () has been included to indicate the approximate earliest date the call sign was in use. Where no date is given, the call sign was possibly in use as late as 1919.

By 1912, many of the old 1 and 2 letter call signs had gone out of use. Either the stations had commenced using 3-letter call signs conforming to international prefix formats or they had gone silent. Some few older style call signs, however, did remain on after 1912.

During WWI, as an anti-espionage measure, the U.S. Navy took control of American wireless communications stations. In the process, and for the duration of the war, these stations used official USN call signs having the initial letter "N." Station WGG turned into NWW; WSL became NDD, etc. This list shows the regular commercial call signs as well as those used during WWI.

In the early days, a given station may have gone through several call sign transitions. In 1910, Seattle's station "PA" station went on the air; by 1913 it had become KPA; during WWI it used the call sign NVL. Likewise, station "A" in Avalon CA went on to become "PI" and that was changed to KPI in 1911. There are many instances of this; all known call signs are included here.

Most stations operated on a 600 meter (500 kHz) wavelength, at the very least. Some stations could operate on several additional frequencies, and (where known) the additional frequencies have been shown. Frequency 375 kHz was employed for "radio compass" (direction finding) purposes by many stations. Ships' spark transmitters could usually transmit on 375, 425, 455, 500, and sometimes 1000 kHz. Early tube transmitters aboard ships frequently used 400, 425, 455, 469 and 500 kHz. Larger passenger liners sending/receiving numerous radiograms usually operated in the 125 to 167 kHz band in order to relieve congestion on the other frequencies. The author has, for reader convenience, converted the wavelength information found in early documents into frequency (kHz) form. He begs the forgiveness of those purists who prefer to retain the original references to wavelengths.

This information was compiled from many sources, not the least of which was the 1919 edition of the Consolidated Radio Call Book. Also used were recent editions of Sparks Journal (publication of the Society of Wireless Pioneers Inc., P.O. Box 530, Santa Rosa CA 95402).

The Early Stations

A	Avalon CA (1900)	
AM	Molokai HI (1900)	
BF	Buffalo NY (1910)	
BH	Benton Harbor MI (1910)	
BWP	Punta Delgada, Azores	150 kHz
BXW	Singapore	150 kHz
BXY	Hong Kong, China	60 150 kHz
BYA	Whitehall, England	
BYB	Cleethorpes, England	
BYC	Horsea, England	
BYD	Aberdeen, England	
BYE	Ipswich, England	
BYF	Pembroke, England	
BYG	Wick, England	
BYH	Rasyth, England	
BYI	Scarborough, England	
BYJ	Felxtowe, England	
BYK	Sheerness, England	
BYL	Dover, England	
BYM	Culver Cliff, England	
BYN	Bortland Bill, England	
BYO	Rams Head, England	
BYP	Cromarty, England	
BYQ	Corkberg, England	
BYR	Bunbeg, England	
BYS	Portpatrick, England	
BYT	Stockton, England	
BYU	Lerwick, England	
BYV	Grimbsy, England	1000 kHz
BYW	Gibraltar (North Front)	
BYX	Gibraltar (Windmill Hill)	
BYY	S. Angelo, Malta	
BYZ	Rinnella Bay, Malta	113 kHz
BZA	Inchkieth, England	
BZB	Bermuda, West Indies	
BZC	Partsmouth Signal School, England	

BZE	Matara, Ceylon	113 kHz
BZF	Aden, British Somaliland	150 kHz
BZG	Mauritius	150 kHz
BZH	Seychelles	150 kHz
BZI	Durban, South Africa	150 kHz
BZL	Demerara, British Guiana	230 kHz
BZM	St. Johns, Newfoundland	60 200 kHz
BZN	Falklands	69.8 kHz
BZQ	Christiana, Jamaica	60 kHz
BZR	Bermuda, West Indies	60 kHz
BZS	Kingsmore, England	
BZT	Farnborough, England	
BZU	Immingham, England	
BZV	Fort George, England	
BZW	Dundee, England	
BZX	Yarmouth, England	
BZY	Isle of Grain, England	
BZZ	Calshot, England	
CA	Conneaut OH (1910)	
CAJ	Digby Island, Canada	
CC	South Wellfleet MA (1903)	
CCA	Arica, Chile	
CCB	Antofagasta, Chile	
CCL	Llanquihue, Chile	
CCM	Mocha, Chile	
CCO	Caquimbo, Chile	
CCP	Punta Arenas, Chile	
CCT	Talachuano, Chile	
CCV	Valparaiso, Chile	
CLZ	La Carraca, Spain	
CM	Columet MI (1910)	
CNF	Rabat, Morocco	
CNP	Casablanca, Morocco	
CNW	Tangiers, Morocco	
CNY	Magadar, Morocco	
CRA	S. Miguel, Portugal	
CRB	S. Maria, Portugal	
CRC	Faial, Portugal	
CRD	Flores, Portugal	
CRE	Corvo, Portugal	
CRF	Lisbon, Portugal	
CRP	Porto, Portugal	
CRV	Mozambique, Portuguese E. Africa	
CRY	Inhambane, Portuguese E. Africa	
CRZ	Lourenco Marques, Portuguese E. Africa	
CS	Colorado Springs CO (1905)	
CTG	Cartagena, Colombia	
CVS	Constantza-Tunnel, Rumania	
CWA	Cerrito, Uruguay	
CWB	Isla de Lobos, Uruguay	
CWC	Banco Ingles, Uruguay	
CX	Cleveland OH (1910)	
D	Port Townsend WA (1900)	
DA	Seattle WA (1900)	
DB	Tacoma WA (1900)	
DE	Pasadena CA (1900)	
DF	Santa Barbara CA (1900)	
DF	Vancouver BC (1900)	
DF	Manhattan Beach NY (1908)	
DG	Sacramento CA	
DK	Everett WA (1900)	
DM	Duluth MN (1910)	
DM	Salem OR (1900)	
DN	San Luis Obispo CA (1900)	
DO	Roseburg OR (1900)	
DR	Detroit MI (1910)	
DS	South Haven MI (1910)	
DS	Port Townsend WA (1900)	
DU	Juneau AK (1900)	
DV	Chehalis WA (1900)	
DX	Toledo OH (1910)	
EAA	Aranjuez, Spain	
EAB	Barcelona, Spain	
EAC	Cadiz, Spain	
EAF	Cape Finisterre, Spain	
EAL	Las Palmas, Spain	
EAO	Soller, Spain	
EAP	Cabo de Palos, Spain	
EAS	Cabo Mayor, Spain	
EAT	Tenerife, Spain	
EAV	Vigo, Spain	
EAY	S. Isabel de Fernando Poo, Spain	
EBW	Le Ferrol, Spain	
EBX	Cartagena, Spain	

EBZ	Madrid, Spain	
EGC	Madrid, Spain	
EGD	Ceuta, Spain	
EGE	Barcelona, Spain	
EGF	Larache, Spanish Morocco	
EGG	Valencia, Spain	
EGH	Bilbao, Spain	
EGI	Mahon, Spain	
EGJ	Coruna, Spain	
EGZ	Guadalajara, Spain	
EX	Los Angeles CA	
FCA	Cap-Satnt-Jacques, French Indo China	
FCO	Conakry, French W. Africa	
FDA	Dakar, French W. Africa	
FDG	Diego Suarez, Madagascar	
FDO	Dzaoudzi, Madagascar	
FEL	Penmache Lorient, France	
FFA	Ajaccio, France-Algeria	
FFB	Boulogne-sur-Mer, France	
FFC	Cherbourg, France	
FFD	Dunkirk, France	
FFF	Ouessant, France	
FFG	Cros-de-Gagnes, France-Algeria	
FFI	Dieppe, France	
FFK	Brest-Kerlaer, France-Algeria	
FFL	Lorient, France	
FFO	Fort-de-l-Eau, France-Algeria	
FFP	Porquerolles, France	
FFR	Fochefort, France	
FFS	S. Maries-de-la-Mer, France	
FFT	Cap Bon, Tunis	
FFU	Havre TSF, France	
FFX	Bouscat, France	
FFZ	Shanghai-Zikawel, China	
FGO	Loango, French Equatorial Africa	
FHA	Brest Guipavas, France	
FHJ	Paimbaeuf, France	
FHN	Rachefort Saubise, France	
FHY	Pen-Ar-Roc Ile d'Ouess Ant, France	
FJA	Majunga, Madagascar	
FKA	Kien-An, French Indo China	
FKQ	Fart de France, Martinique	
FL	Eiffel Tower, Paris, France	30 120 kHz
FLO	Barre De L'Adaur St. Jean de Luz, France	
FLT	Haurane, French Inda China	
FLU	Mutsamudu, Madagascar	
FMA	Monrovia, Liberia	
FOP	Papeete, Tahiti	
FPE	Port Etienne, French W. Africa	
FQB	Guernsey	
FQC	St. Ganery	
FQN	Naumea-Semaphare, New Caledonia	
FRU	Rufisque, French W. Africa	
FTA	Tabou, French W. Africa	
FUB	Brest-Arsenal, France	
FUE	Taulon-Ecale, France	
FUH	Chemaulin St. Nozaire, France	
FUO	Ain-El-Turck, Algeria	
FUT	Toulan-Mourillon, France	
FUV	Part-Vendrez, France	
FWA	Quang-Tcheau-Wan, China	
G	Las Angeles CA (1900)	
GB	Glace Bay, Nava Scatia (1907)	40 kHz
GCA	Tabermory, England	
GCB	Lachboisdale, England	
GCK	Valentia, England	
GCS	Calster-an-Sea, England	
GH	Grand Haven MI (1910)	
GHC	Hunstantan, England	
GHH	Heysham Harbour, England	
GLD	Land's End, England	
GLV	Seaforth, England	
GM	Grand Marais MN (1910)	
GMH	Marlin Head, England	
GNF	North Fareland, England	
GNI	Nitan, England	
GNV	Newhaven, England	
GO	Chicago IL (1910)	
GPQ	Parkeston Quay, England	
GRL	Fishguard, England	
GRM	Grand Rapids MI (1910)	
GRN	Rathlin Island, England	
GSL	Ballcastle, Antrim, England	
GUR	Folkestone Harbour, England	
GVA	Cross Sand Lightship, England	
GVB	E. Goodwin Lightship, England	
GVC	Gull Lightship, England	
GVD	S. Goodwin Lightship, England	
GVE	Sunk Lightship, England	
GVF	Tongue Lightship, England	
H	Holland MI (1910)	
HGA	Bangkok, Siam	
HGB	Singora, Siam	
HIB	La Romana, Dominican Republic	
HQ	Mackinac Island MI (1910)	
HU	Oahu HI (1900)	
HX	Ludington MI (1910)	
IAA	San Francisco CA (1900)	
IC	Isle Royale MI (1910)	
ICA	Ancona Radio, Italy	
ICB	Genova Radio, Italy	
ICC	Cagliari Radio, Italy	
ICE	Brindisi Radio, Italy	
ICH	Maddalena Radio, Italy	
ICI	Coltano, Italy	46.1 kHz
ICM	Centopozzi, Italy	
ICN	Naples, Italy	
ICP	Palermo Radio, Italy	
ICR	Capo Sperone, Italy	
ICV	Vittoria Radio, Italy	
IDO	Rome, Italy	27.3 kHz
ISB	Merka, Italian Somaliland	
ISC	Brava, Italian Somaliland	
ISD	Glumbo, Italian Somaliland	
ISE	Mogadiscio, Italian Somaliland	
ISF	Mahaddei Uen, Italian Somaliland	
ISG	Mogadiscio, Italian Somaliland	
ISH	Iscia Baldoa, Italian Somaliland	
ISI	Oddur, Italian Samaliland	
ISJ	Bula Burti, Italian Samaliland	
ISM	Italo, Italian Somaliland	
ISN	Bardera, Italian Samaliland	
ISO	Lugh, Italian Somaliland	
JCS	Chashi Radio, Japan	
JDA	Darienwan, Japan	
JFK	Fukkikhau, Japan	
JJC	Funabashi, Japan	
JMZ	Malzuru Radia, Japan	
JSM	Shiamisaki Radio, Japan	
JSX	Shimatsui Radio, Japan	
JTS	Tsunashima, Japan	
KA	Puako HI (1900)	
KAB	Manrovia, Liberia	
KAF	Amrumbank Feuerschiff, Germany	
KAG	Aldergrund Feuerschiff, Germany	
KAH	Helgoland, Germany	
KAJ	Eider Feuerschiff, Germany	
KAU	Aussenjade Feuerschiff, Germany	
KAV	Narddeich, Germany (ex-KND)	
KAW	Swinemunde, Germany	
KAZ	Danzig, Germany	
KB	Spakane WA	
KBF	Elbe Feuerschiff Eins, Germany	
KBH	Bremerhaven Llaydhalle, Germany	
KBK	Bulk, Germany	
KBM	Barkum Neuer Leuchiturm, Germany	
KBR	Barkum Feuerschiff, Germany	
KCL	Eiderlotsengaliate Feuerschiff, Germany	
KCV	Sassnitz, Germany	
KCW	Weser Feuerschiff, Germany	
KCX	Cuxhaven, Germany	
KDN	San Luis Obispa CA (1911)	
KDN	Kensington AK	545 1000 kHz
KE	St. Helens OR	
KEPS	Alitak Bay AK	
KEQ	Part Walter AK	545 1000 kHz
KEY	Cape Edwards AK	
KFS	San Francisco CA	
KHG	Clarks Point AK	750 1000 kHz
KHK	Wahiawa HI	128 461 1000 kHz
KHJ	Koka Head HI	
KHL	Lahaina HI	545 kHz
KHM	Lihue HI	545 1000 kHz
KHN	Wawaihae HI	545 1000 kHz
KHO	Kaunakakai HI	545 1000 kHz
KHT	Naknek AK	

KHX	Heela Point HI	
KIE	Koko Head HI	
KIG	McGrath AK	
KIM	Latouche AK	
KIS	Marshall AK	
KIV	Iditarod AK	
KIZ	Brooks AK	
KJA	Jualin AK	
KJK	King Cove AK	186 667 1000 kHz
KJL	Morzhavoi AK	
KKA	Yakutat AK	545 1000 kHz
KKAA	Sulzer AK	
KKAE	Nushagak AK	188 545 1000 kHz
KKAI	Hawk Inlet AK	545 1000 kHz
KKAO	Kussilof AK	186 571 kHz
KLW	Port Althorp AK	571 667 1000 kHz
KMF	Ugagak AK	545 1000 kHz
KMG	Eruk AK	545 1000 kHz
KMK	Naknek AK	186 1000 kHz
KML	Lockanuk AK	182 545 1000 kHz
KMP	Bristol Bay AK	
KMT	Libbyville AK	136 166 176 1000 kHz
KMU	Ugashik AK	545 1000 kHz
KMW	Akutan AK	187 1000 kHz
KN	Erie PA (1910)	
KND	Norddeich Radio, Germany (1907)	150 kHz
KPA	Seattle WA (1911)	
KPB	Ketchikan AK	
KPC	Astoria OR (1911)	
KPD	Friday Harbor WA (1911)	
KPH	Bolinas CA (1911)	
KPI	Avalon CA (1911)	
KPJ	Los Angeles CA (1911)	
KPM	Eureka CA (1911)	
KPX	Marshfield OH (1911)	
KQS	Washington Bay AK	
KSE	Andreasoosky AK	
KVI	Unga Island AK	167 1000 kHz
KWR	Port Moller AK	186 667 1000 kHz
KWT	Teller AK	
KWW	Chichagof AK	
KXX	Funter AK	545 1000 kHz
KXV	Nelson Lagoon AK	667 1000 kHz
KXW	Ikatan AK	667 1000 kHz
LA	Lahaina HI (1900)	
LCM	Stavanger, Norway	25 31.6 kHz
LDF	Flekkero, Norway	
LEI	Ingo Radio, Norway	
LEN	Sorvaagen, Norway	
LET	Tjomo, Norway	
LFG	Spitsbergen, Norway	
LFR	Rost, Norway	
LGN	Bergen Radio, Norway	
LIA	Darsena Norte, Argentina	375 kHz
LIB	Rio Santiago, Buenos Aires, Argentina	
LIC	Faro Mogotes, Argentina	
LID	Faro Recalada, Argentina	
LIE	Puerto Militar, Argentina	
LIF	Cabo de los Virgenes, Argentina	
LIG	Ano Nuevo, Argentina	
LIH	Ushuoia, Argentina	
LII	La Paz, Entre Rios, Argentina	
LIJ	Formosa, Argentina	
LIK	Darsena Sud, Argentina	
LIL	Punta Delgarda, Chubut, Argentina	
LIM	S. Julian, Argentina	
LIN	Ponton Faro Bahia Blanca, Argentina	
LIP	Comodoro Rivadavia, Argentina	
LIQ	Posadas, Misiones, Argentina	
LIR	Puerto Aquirre, Argentina	
LIS	Rio Grande, Argentina	
LIU	Ponton Estacionario de Practicos Interseccion, Argentina	
LP	Berlin, Germany	54.5 kHz
LZF	Varna, Bulgaria	
MCC	South Wellfleet MA	
MFT	Clifden, Ireland	50 kHz
MK	Milwaukee WI (1910)	
MPD	Poldhu, England	107.1 kHz
MR	Marquette MI (1910)	
MUU	Catnavon, Wales	21.8 23.4 kHz
MW	Manitowoc WI (1910)	
All "N" prefixed stations operated by the U.S. Navy		
NAA	Arlington VA	50 120 kHz
NAB	Portland ME	52.6 kHz
NAC	Portsmouth NH	225 315 kHz
NAD	Boston MA	220 315 kHz
NAE	Cape Cod MA	
NAF	Newport News RI	115 315 kHz
NAG	Fire Island NY	
NAH	New York NY	125 195 200 375 446 kHz
NAI	Philadelphia PA	230 315 kHz
NAJ	Great Lakes IL	52.6 198 kHz
NAK	Naval Academy MD	195 315 kHz
NAL	Washington (Navy Yard) DC	69 113 kHz
NAM	Norfolk VA	55 76 125 140 151 215 220 315 446 kHz
NAN	Beaufort NC	
NAO	Charleston SC	39.5 62.5 76 115 125 315 kHz
NAP	St. Augustine FL	143 315 kHz
NAQ	Jupiter FL	230 315 kHz
NAR	Key West FL	46.2 53 76 125 200 205 315 375 kHz
NAS	Pensacola FL	133 226 375 446 kHz
NAT	New Orleans LA	54.5 300 kHz
NAU	San Juan PR	32.8 33.9 43 57 62 76 105 125 315 kHz
NAV	Port Royal SC	
NAW	Guantanamo Bay, Cuba	66.7 76 125 215 315 kHz
NAX	Colon, Panama	110 125 165 315 446 kHz
NAY	Port Isabel TX	
NBA	Managua, Nicaragua	160 315 kHz
NBA	Darlen, Panama	17.5 30.6 33.9 42.8 76 125 133 315 kHz
NBC	Gorfu HI	
NBD	Bar Harbor ME	375 KHz
NBF	Fisherman's Island VA	
NBG	Indian Head MD	
NBS	Siasconsett MA	
NBX	Burrwood LA	
NBZ	Baltimore MD	
NCZ	Virginia Beach VA	375 kHz
NDD	Sayville NY	25.9 30.6 kHz
NDW	Cape Hatteras NC	375 kHz
NFF	New Brunswick NJ	22 kHz
NFI	Jacksonville FL	
NFL	Cross Island ME	
NFQ	Damiscove Island ME	
NGE	Miami FL	
NGL	Tampa FL	
NGT	Mobile AL	
NHB	Fort Morgan AL	
NJG	Santo Domingo, Dominican Republic	
NJK	New Orleans LA	167 kHz
NJY	Port Arthur TX	
NKB	Galveston TX	165 315 kHz
NLQ	Cape St. Elias AK	
NNL	Coco Solo PR	
NNW	La Palma PR	165 kHz
NNZ	Buffalo NY	
NPA	Cordova AK	39.5 kHz
NPB	Sitka AK	32.8 33.9 43 62 76 105 125 315 kHz
NPC	Puget Sound WA	28.5 33.9 39 55 75.9 120 315 446 kHz
NPD	Totoosh WA	
NPE	North Head WA	107 kHz
NPF	Marshfield OR	
NPG	San Francisco CA	34.9 62.5 125 kHz
NPH	Vlodivostok, Siberio, Russio	
NPJ	Balboa, Ponamo	
NPK	Pt. Arguello CA	198 kHz
NPL	San Diego CA	22.6 30.6 125 kHz
NPM	Pearl Harbor HI	27.3 kHz
NPN	Guam	60 kHz
NPO	Cavite, Philippine Islands	25 kHz
NPP	Peking, China	66 76 157 315 kHz
NPQ	St. Paul AK	53 76 113 315 kHz
NPR	Dutch Harbor AK	133 315 kHz
NPS	Kodiak AK	178 315 kHz
NPT	Olongapo, Philippine Islands	157 315 kHz
NPU	Tutuila, Samoa	50 100 kHz
NPV	Seward AK	157 kHz
NPW	Eureka CA	150 kHz
NPX	E. San Pedro CA	
NPY	St. George AK	444 kHz
NPZ	Keyport WA	
NQB	Ashtabula OH	
NRH	Cleveland OH	
NRK	Puerto Obaldia PR	151 kHz
NRQ	Detroit MI	
NRZ	New London CT	
NSC	Port-ou-Prince, Haiti	76 80 125 133 315 kHz
NSD	Cape May NJ	375 kHz
NSF	Anacostia DC	446 kHz
NSM	Alpena MI	

NSR	Frankfort MI				
NSS	Annapolis MD	17.7 28.5 30.6 43 kHz			
NSY	Grand Haven MI				
NTM	Ludington MI				
NTW	Appledore ME				
NTY	Manitowoc WI				
NUB	Manistique MI				
NUD	Mackinac Island MI				
NUF	Benton Harbor MI				
NUG	Calumet MI				
NUK	Milwaukee WI				
NUR	Chicago IL				
NUX	Duluth MN				
NUZ	Astoria OR				
NVB	Jualin AK				
NVD	Juneau AK				
NVH	Ketchikan AK	60 66 125 315 kHz			
NVL	Seattle WA				
NVQ	Montauk Point NY				
NW	Nawiliwili HI (1900)				
NWN	Wilmington NC				
NWI	Hillcrest, San Francisco CA				
NWR	Inglewood CA				
NWW	Tuckerton NJ	32.6 kHz			
NXA	Chatham MA				
NYZ	Dry Tortugas FL				
NZL	Avalon CA				
NZR	Cayey PR				
NZW	North Island SC	375 kHz			
NZX	Ensenada PR				
NZY	Bull Island SC				
O2	Portland OR				
OAA	Callao, Peru				
OAB	Cachendo, Peru				
OAC	Chala, Peru				
OAE	Puerto Bermudez, Peru				
OAL	Ilo, Peru				
OAM	Massisea, Peru				
OAQ	Orellana, Peru				
OAP	Pisco, Peru				
OAQ	Requena, Peru				
OAU	Putumayo, Peru				
OAY	Iquitos, Peru				
OAZ	San Cristobal, Peru	200 kHz			
OHB	Castelnuovo di Cattaro, Austria				
OHP	Pola, Austria				
OHT	Triest, Austria				
ONA	Banana, Belgian Congo				
OST	Nieuport, Belgium				
OUI	Hanover, Germany	20 kHz			
OXA	Copenhagen, Denmark				
OXB	Blaavandshuk, Denmark				
OXG	Prinz Christian, Denmark				
P	Isle of Pines, Cuba (1919)				
PA	Seattle WA (1910)				
PB	Tacoma WA (1900)				
PB	Ketchikan AK (1900)				
PC	Astoria OR (1900)				
PCA	Amsterdam, Holland				
PCB	Helder, Holland				
PCC	Hellevoetsluis, Holland				
PCH	Scheveningue-Haven, Holland	167 kHz			
PCP	Doggersbank Noord bateau-phare, Holland				
PCM	Terschellingerbank bateau-phare, Holland				
PCN	Noord-Ilinder nateau-phare, Holland				
PCO	Haaks bateau-phare, Holland				
PCR	Doggersbank Zuid bateau-phare, Holland				
PD	Friday Harbor WA (1900)				
PE	Portland OR (1900)				
PF	Aberdeen WA (1900)				
PFW	Fort Worth TX (1913)				
PG	Westport OR (1900)				
PG	Grays Harbor WA (1900)				
PH	San Francisco CA (1900)				
PI	Avalon CA (1900)				
PJ	Los Angeles CA (1900)				
PJC	Curacao, Dutch West Indies				
PK	San Diego CA (1900)				
PKA	Sabang, Dutch East Indies				
PKB	Wetevreden, Dutch East Indies				
PKC	Sitoebondo, Dutch East Indies				
PKC	Kansas City MO (1913)				
PKD	Koepang, Dutch East Indies				
PKE	Amboina, Dutch East Indies				
PLA	Los Angeles CA (1913)				
PM	Eureka CA (1900)				
PMM	Java, Dutch East Indies				49.2 kHz
PMX	Java, Dutch East Indies				49.2 kHz
PN	Alpena MI (1910)				
PN	Katalla AK (1900)				
PNU	Honolulu HI (1913)				
PNX	Phoenix AZ (1913)				
PO	Cordova AK (1900)				
POL	Central Point OR (1913)				
POZ	Nauen, Germany				23.9 kHz
PQ	Monterey CA (1900)				
PR	Victoria BC (1900)				
PS	Presidio CA (1900)				
PSC	So. San Francisco CA (1913)				
PSD	San Diego CA (1913)				
PSF	San Francisco CA (1913)				
PSN	Portland OR (1913)				
PSO	El Paso TX (1913)				
PT	Fort Bragg CA (1900)				
PTC	Fortaleza de Santa Cruz, Brazil				
PTI	Fortaleza de Imbuhy, Brazil				
PTJ	Fortaleza de S. Joao, Brazil				
PTL	Fortaleza de Lage, Brazil				
PTN	Nichteroy, Brazil				
PTQ	Quartel General, Beazil				
PTV	Villa Militar, Brazil				
PU	Bellingham WA (1900)				
PV	Klamath OR (1900)				
PW	N. Victoria BC				
PX	Marshfield OR (1900)				
PY	Olympia WA (1900)				
RA	Safety Harbor AK (1900)				
RAR	Odessa, Russia				
RAS	Vladivostok, Russia				
RAU	Nicolaiwesk, Russia				
RAW	Wiborg, Russia				
REA	Kornstadt, Russia				
REB	Helsingfors, Russia				
REC	Hapsal, Russia				
RED	Libau, Russia				
REG	Sebastopol, Russia				
REH	Kerch, Russia				
REI	Batoum, Russia				
REJ	Vladivostok, Russia				
RH	Roche Harbor WA				
RNF	Fort d'Alexandrovsk, Russia				
ROE	Rade de Taganrog, Russia				
ROK	Petrowsk, Russia				
ROL	Libau, Russia				
ROR	Reval, Russia				
ROT	Ohkotsk, Russia				
RPK	Petropavlovsk, Russia				
RPN	Kerbinskaia, Russia				
RQA	Arkhangel, Russia				
RQT	Rade d'Astrakhan, Russia				
RRG	Riga, Russia				
RRN	Rouno, Russia				
RRT	Taganrog, Russia				
RTM	Mare-Sale, Russia				
RTU	Yougorski-Char, Russia				
RTV	Valgatch, Russia				
S2	Seattle WA				
SA	Nome AK				
SAA	Kariskrona, Sweden				
SAB	Goteborg, Sweden				
SAC	Tralleborg, Sweden				
SAD	Oscar-Fredriksborg, Sweden				
SAE	Tingstade, Sweden				
SAF	Vaxholm, Sweden				
SAH	Harnosand, Sweden				
SF	San Francisco CA (1900)				
SH	Sault Ste. Marie MI (1910)				
SLI	Sayville NY				
SN	Cordova AK				
SNI	Ilha das Cobras, Brazil				
SNN	Abrolhos, Brazil				
SNQ	Ilha de Boqueirao, Brazil				
SNV	Villegaignon, Brazil				
SNW	Armacao, Brazil				
SNZ	Ilha Raza, Brazil				
SO	Sitka AK				
SOH	Ilha do Governador, Brazil				
SOQ	Ilha de Mocan gue, Brazil				

SPB	Belem, Para, Brazil				
SPJ	Junccao, Brazil				
SPL	Lagoa, Brazil				
SPN	Fernando de Noronha, Brazil				
SPO	Olinda, Pernambuco, Brazil				
SPS	Mont Serrat, Brazil				
SPT	Cabo de Sao Thome, Brazil				
SPY	Babylonia, Brazil				
SQC	Cruzeiro do Sul, Brazil				
SQM	Manaos, Brazil				
SQN	Senna Madureira, Brazil				
SQR	Rio Branco, Acre, Brazil				
SQS	Santarem, Para, Brazil				
SQT	Tarauaca, Brazil				
SQV	Porto Velho, Brazil				
SQX	Zapury, Brazil				
SUB	Port Said, Egypt				
SUD	Port Sudan, Egypt				
SXA	Athens, Greece				
SXC	Salonika, Greece				
SXL	Salamis, Greece				
SXS	Syra, Greece				
SXT	Thassos, Greece				
TA	Cape Blanco OR (U.S. Navy, 1909)				
TD	Totoosh Island WA (U.S. Navy, 1909)				
TE	North Head OR (U.S. Navy, 1909)				
TG	Mare Island CA (U.S. Navy, 1909)				
TH	Farrallon Island CA (U.S. Navy, 1909)				
TI	Goat Island CA (U.S. Navy, 1909)				
TK	Pt. Arguello CA (U.S. Navy, 1909)				
TL	Pt. Loma CA (U.S. Navy, 1909)				
TM	Pt. Loma CA (U.S. Navy, 1909)				
TSR	Petrograd, Russia	42.8 60 kHz			
UA	Nantes, France	27.3 33.3 125 kHz			
UB	Trucillo, Honduras (United Fruit Co.)				
UC	Tela, Honduras (United Fruit Co.)				
UC	Honolulu HI				
VAB	Point Gray, Canada				
VAC	Cape Lazo, Canada				
VAD	Pachena, Canada				
VAE	Estevan, Canada				
VAF	Alert Bay, Canada				
VAG	Triangle Island, Canada				
VAH	Dead Tree Point, Canada				
VAI	Ikeda Head, Canada				
VAJ	Digby Island, Canada				
VAK	Gonzales Hill, Canada				
VAM	Glace Bay, Nova Scotia, Canada	115 kHz			
VAS	Gloce Bay, Nova Scotia, Canada	167 kHz			
VAV	Chebuetto Head, Nova Scotia, Canada				
VAZ	Cape Race, Newfoundland,				
VBA	Port Arthur, Canada (1904)				
VBB	Sault Ste. Marie, Canada (1912)				
VBC	Midlant, Canada (1912)				
VBD	Tobermory, Canada				
VBE	Point Edward, Canada				
VBF	Port Burwell, Canada				
VBG	Toronto, Canada				
VBH	Kingston, Canada				
VBN	Port Nelson, Canada				
VBT	Glace Bay, Nova Scotia, Canada	93.6 kHz			
VCA	Montreal, Canada				
VCB	Quebec, Canada				
VCD	Grosse Isle, Canada				
VCE	Cape Race, Newfoundland, Canada (1904)				
VCF	Father Point, Canada				
VCG	Fame Point, Canada (1904)				
VCH	Point Riche, Canada				
VCI	Heath Point, Canada				
VCJ	Harrington, Canada				
VCK	Clarke City, Canada				
VCL	Point Amour, Newfoundland, Canada				
VCM	Belle Isle, Canada				
VCN	Grindstone Island, Canada				
VCO	North Sydney, Canada				
VCP	Cape Bear, Canada				
VCQ	Pictou, Canada				
VCR	Cape Ray, Newfoundland, Canada				
VCS	Camperdown, Canada				
VCT	Sable Island, Canada				
VCU	Cape Sable, Canada	60 200 kHz			
VIA	Adelaide Radio, Australia				
VIB	Brisbane Radio, Australia				
VIC	Cooktown Radio, Australia				
VID	Darwin Radio, Australia			353 kHz	
VIE	Esperance Radio, Australia				
VIF	Woodlark Island, Australia			300 kHz	
VIG	Port Moresby Radio, Australia				
VIH	Hobart Radio, Australia				
VII	Thursday Island Radio, Australia				
VIL	Flinders Island Radio, Australia				
VIM	Melbourne Radio, Australia				
VIN	Geraldton Radio, Australia				
VIO	Broome Radio, Australia			200 kHz	
VIP	Perth Radio, Australia				
VIQ	Macquarie Island Radio, Australia				
VIR	Rockhampton Radio, Australia				
VIS	Sydney Radio, Australia			150 kHz	
VIT	Townsville Radio, Australia			300 kHz	
VIU	Kieta, Solomon Islands				
VIV	Madang, Australia				
VIW	Wyndham Radio, Australia				
VIY	Mt. Gambier Radio, Australia				
VIZ	Roebourne, Australia				
VJZ	Rabaul Island (Pacific)			103 kHz	
VKT	Nauru, Marshall Islands			136 kHz	
VLA	Awanui Radio, New Zealand			150 kHz	
VLB	Awarua Radio, New Zealand			150 kHz	
VLC	Chatham Islands, New Zealand				
VLD	Auckland Radio, New Zealand				
VLW	Wellington Radio, New Zealand				
VMG	Apia, Samoa Islands			150 kHz	
VNC	Capetown, South Africa				
VND	Durban, South Africa				
VOA	Battle Harbor, Newfoundland				
VOB	Venison Island, Newfoundland				
VOC	American Tickle, Newfoundland				
VOD	Domino, Newfoundland				
VOE	Grady, Labrador				
VOF	Smokey, Labrador				
VOG	Holton, Labrador				
VOH	Cape Harrison, Newfoundland				
VOI	Makkovik, Newfoundland				
VOJ	Fogo, Newfoundland				
VPB	Colombo Radio, Ceylon				
VPC	Port Stanley, Falkland Islands				
VPD	Suva, Fiji Islands				
VPE	Labasa, Fiji Islands				
VPF	Tavenui, Fiji Islands				
VPG	Accra, Gold Coast				
VPH	Jamaica Bowden, West Indies				
VPI	Aden Radio, Brit. Somaliland				
VPJ	Barbara, Brit. Somaliland				
VPK	Cocos, Keeling Islands				
VPL	Trinidad, West Indies				
VPM	Tobago, West Indies				
VPN	Nassau, Bahamas Islands, West Indies				
VPO	Barbados, West Indies				
VPP	Belize, Brit. Honduras				
VPT	Malta				
VPU	Sierra Leone				
VPW	Singapore, Malay Peninsula			88.2 kHz	
VPY	Lagos, Nigeria				
VPZ	Zanzibar, Zanzibar				
VQA	Jesselton, No. Borneo				
VQB	Sandakan, No. Borneo				
VQC	Tawao, No. Borneo				
VQD	Kudat, No. Borneo				
VQE	Pemba, Zanzibar				
VQH	Santa Lucio, Windward Islands				
VQI	Kingston, West Indies				
VQJ	Tulogi, Solomon Islands				
VTB	Bushire, Persian Gulf				
VTC	Basrah, British India				
VTD	Diamond Island, India				
VTE	Bahrein, Persian Gulf				
VTH	Henjam, Persian Gulf				
VTM	Maymyo, British India				
VTP	Port Blair, India				
VTR	Rangoon Radio, India				
VTV	Victoria Point, India				
VWA	Allanhabad, Brit. India				
VWB	Bombay Radio, India				
VWC	Calcutta Radio, India				
VWD	Delhi, Brit. India				
VWJ	Simia, Brit India				
VWK	Karachi Radio, India				
VWL	Lahore, Brit. India				
VWM	Madraa Radio, India				

VWN Nopur, Brit. India
 VWP Peshawar, Brit. India
 VWQ Quetta, Brit. India
 VWS Sandheads, India
 VWX Secunderbad, Brit. India
 VZE King Island, Australia
 VZO Manus, Australia
 VZR Somerset Island, West Indies

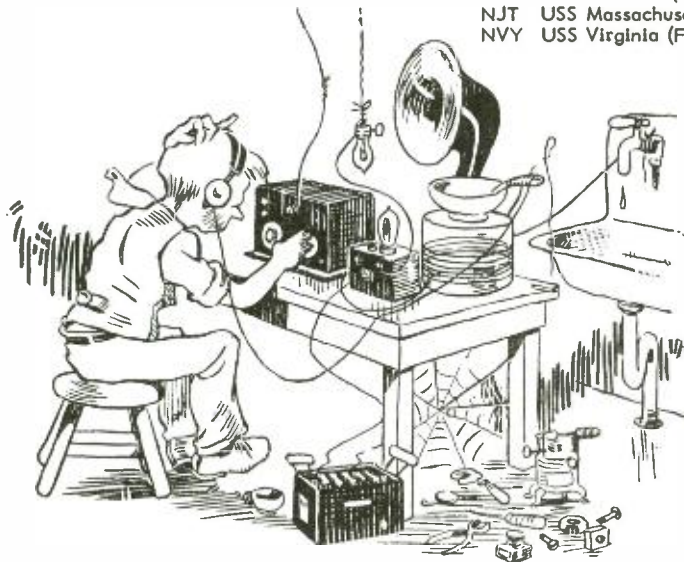
All stations with collsigns from WUA to WVZ & WXA to WZZ were U.S. Army stations.

WA New York City, NY (1908)
 WBL Buffalo NY (1915)
 WBV Fairbanks AK
 WCC Chatham MA 130 136 167 1000 kHz
 WCM Calumet IL (1915)
 WCX Cleveland OH (1915)
 WDM Duluth MN (1915)
 WDR Detroit MI (1915)
 WEV Conneaut Harbor OH
 WFK Frankfort MI (1915)
 WGG Tuckerton NJ
 WGH Grand Haven MI (1915)
 WGO Chicago IL (1915)
 WHQ Mockinoc Island MI (1915)
 WIM Chatham MA 408 1000 kHz
 WLD Ludington MI (1915)
 WME Milwaukee WI (1915)
 WMN Monitowoc WI
 WMW Monitowoc WI (1915)
 WMX Monistique MI (1915)
 WNU New Orleans LA 73 90 105 175 1000 kHz
 WNY New York NY 167 1000 kHz
 WQN Swan Island (United Fruit Co.)
 WSA Ashtobula Harbor OH (1915)
 WSC Tuckerton NJ
 WSH East Moriches NY
 WSL Soyville NY
 WSO Chatham MA
 WTK Cleveland OH
 WUA Ft. Andrews MA 273 kHz
 WUB Ft. Hancock NJ 273 kHz
 WUC Ft. H. G. Wright NY 275 kHz
 WUD Ft. Leavenworth KS
 WUE Ft. Leavitt ME
 WUF Ft. Monroe VA 275 kHz
 WUG Ft. Monroe VA
 WUH Ft. McIntosh TX 220 kHz
 WUJ Ft. Sam Houston TX
 WUK Ft. Stevens WA
 WUL Ft. Totten NY 273 kHz
 WUM Ft. Wood NY
 WUN Ft. Worden WA 275 kHz
 WUO Ft. Winfield Scott CA 200 kHz
 WUR Ft. Morgan AL 176 kHz
 WUS Ft. Rosecrans CA 100 kHz
 WUU Ft. Adams RI 100 kHz
 WUW Ft. Terry NY 448 kHz
 WUX Ft. Crockett TX
 WUY Ft. San Jacinto TX
 WUZ Brownsville TX
 WVA Circle City AK
 WVC Ft. Egbert AK
 WVD Ft. Gibbon AK
 WVE Ft. St. Michael AK
 WVF Kotlik AK

WVG Nome AK
 WVH Nulato AK
 WVI Petersburg AK
 WVJ Wrangell AK
 WVK Holy Cross AK
 WVL Ft. Frank, Philippine Islands
 WVM Ft. Hughes, Philippine Islands
 WVN Ft. Mills, Philippine Islands
 WVO Davao, Philippine Islands
 WVP Ft. Drum, Philippine Islands
 WVQ Ft. Wm. McKinley, Philippine Islands
 WVR Ft. Wint, Philippine Islands
 WVS Jolo, Philippine Islands
 WVT Malabang, Philippine Islands
 WVU Manila, Philippine Islands
 WVV Puerto Princesa, Philippine Islands
 WVW Zamboanga, Philippine Islands
 WVZ Ft. Mills, Philippine Islands
 WXO Ft. Craig AK
 WXP Ft. Travis TX
 WXQ Ft. St. Philip LA
 WXX Ft. Yukon AK
 WYX Ft. Washington MD
 WZA Ft. Screvens GA
 WZB Ft. Howard MD
 WZC Ft. Whitman WA 275 kHz
 WZD Ft. Barrancas FL 100 kHz
 WZE Ft. Constitution NH 231 kHz
 WZF Ft. Moultrie SC
 WZG Ft. De Russy HI
 WZJ Ft. Casey WA
 WZK Ft. Dade FL
 WZN Ft. Dupont DE
 WZO Ft. Bliss TX 38 kHz
 X Limon, Costa Rica
 XAA Veracruz, Mexico
 XAB Campeche, Mexico
 XAC Payo Obispo, Mexico
 XAD Alamos de Sonora, Mexico
 XAE Mazatlan, Mexico
 XAF San Jose del Cabo, Mexico
 XAG S. Rosalia de la Baja California, Mexico
 XAH Guaymas, Mexico
 XAI Tuxpan, Mexico
 XAJ Tampico, Mexico
 XAM Merida, Mexico
 XSG Woosung, Kiangsu, China
 XSH Shonghai, China
 YN Lyons, France 19.3 60 Khz

Some Ships, 1919 & earlier

KWC SS Morro Castle (later KGOV), Burned 1934
 MFA RMS Lusitania (1907)
 MGA RMS Mauretania (1907)
 MGY RMS Titanic, Sank 1912
 MKC SS Republic (later KSN)
 MPA RMS Carpathia
 MRS RMS Caronia
 NCC USS New York (Marconi experiments, 1899)
 NDQ USS Connecticut (First USN wireless instal., 1907)
 NEJ SS Leviathan (later WSN & WSNB)
 NJT USS Massachusetts (Marconi experiments, 1899)
 NNY USS Virginia (First USN wireless instal., 1907)



1921 - First Broadcasting Licenses Issued In The U.S.A,

This listing represents the first broadcasting stations licensed in the U.S.A.; those stations specifically authorized to transmit programming consisting of market or weather reports, music, concerts and lectures for direct reception by the general public. Others before this were amateur or experimental stations. By 1922 600+ stations were operating. Listed in order of issuance of broadcasting licenses, and (where applicable) also indicating any experimental call sign that may have been used for broadcasts prior to the broadcast license being issued, the below list is derived from research in Dept. of Commerce files done by Broadcast Pro-File, P.O. Box 982, Hollywood CA 90078.

15 September

WBZ, Westinghouse Electric & Mfg. Co., 625 Page Blvd., Springfield MA, 832.8 kHz, 1500 watts, prior operation as experimental station 1XAE.

19 September

WDY, Radio Corp. of America, Roselle Park NJ, 832.8 kHz, 1000 watts, prior operation as experimental station 2XR.

29 September

WCJ, The A.C. Gilbert Co., 495 Blatchley Ave., New Haven CT, 832.8 kHz.

30 September

WJZ, Westinghouse Electric & Mfg. Co., 95 Orange St., Newark NJ, 832.8 kHz, 3000 watts, prior operation as experimental station 2XAI.

13 October

WBL, The Detroit News, 615 Lafayette Blvd., Detroit MI, 832.8 kHz, 2000 watts, prior operation as experimental station 8XO.

WJX, DeForest Radio Telephone & Telegraph Co., 1391 Sedgwick Ave, Bronx NY, 832.8 kHz, 500 watts, prior operation as experimental station 2XG.

KQL, Arno A. Kluge, 1045 S. Bixel St., Los Angeles CA, 832.8 kHz.

7 November

KDKA, Westinghouse Mfg. Co., E. Pittsburgh PA, 832.8 kHz, 2000 watts, prior operation as experimental station 8XK and 8ZZ.

15 November

KYW, Westinghouse Electric & Mfg. Co., 72 W. Adams St., Chicago IL, 832.8 kHz, 500 watts, prior operation as experimental station 9XY.

7 December

KWG, Portable Wireless Telephone Co., 530 E. Market St., Stockton CA, 832.8 kHz.

8 December

KDN, Leo J. Meyberg, Fairmont Hotel, San Francisco CA, 832.8 kHz, 125 watts, prior operation as experimental station 6XG.

KGB, Edwin L. Lorden, 603 California St., San Francisco CA, 832.8 kHz, 200 watts.

KGC, Electric Lighting Supply Co., 5110½ Harold Way, Hollywood CA, 832.8 kHz, 50 watts.

KFC, Northern Radio & Electric Co., 413 Union St., Seattle WA, 832.8 kHz, 1000 watts.

WJH, White & Boyer, 812 13th St., Washington DC, 832.8 kHz, 200 watts.

9 December

KOG, Western Radio Electric Co., 7th & Grand Sts., Los Angeles CA, 832.8 kHz, 1000 watts, prior operation as experimental station 6XD.

KQW, Charles D. Herrold, 467 S. 1st St., San Jose CA, 832.8 kHz, prior operation as experimental stations 6XE & 6XF, and other identifications.

KVQ, J.C. Hobrect, 415 7th St., Sacramento CA, 832.8 kHz, 15 watts.

KYJ, Leo J. Meyberg, 8th & Broadway, Los Angeles CA, 832.8 kHz, 5 watts, prior operation as experimental station 6XAK.

KZM, Preston D. Allen, 13th & Harrison, Oakland CA, 832.8 kHz, 200 watts, prior operation as experimental station 6XAJ.

KZY, Atlantic-Pacific Radio Supply Co., 6003 Ocean View Dr., Oakland CA, 832.8 kHz, 1000 watts, prior operation as experimental station 6XC.

20 December

KJJ, The Radio Shop, 229 Sunnyvale Ave., Sunnyvale CA, 832.8 kHz, 500 watts, prior operation as experimental station 6XAG.

KJQ, C.O. Gould, 615 E. Main St., Stockton CA, 832.8 kHz, 100 watts.

KYY, The Radio Telephone Shop, 175 Stuart St., San Francisco CA, 832.8 kHz, 60 watts, prior operation as experimental station 6XAE.

22 December

WDM, Church of The Covenant, 18th & "N" Sts., Washington DC, 832.8 kHz, 100 watts.

Conversion Of Wavelength (Meters) Into Frequency (Kc/s or kHz)

In earlier days, the tuning positions on receivers were usually indicated in terms of wavelength (meters) rather than by frequency (kc/s, or as frequency is presently indicated, in kHz). Eventually, wavelength and frequency were shown side-by-side until, ultimately (in North America, at least) the use of frequencies generally replaced wavelength information.

It's easy to convert meters into kHz. Into your calculator, punch up the number 300,000. Then enter the "divide by" symbol, followed by the wavelength in meters, and the equal symbol. The calculator then reads out the frequency in kHz.

KILOCYCLES TO METERS, OR METERS TO KILOCYCLES

Meters	Kilocycles	Meters	Kilocycles	Meters	Kilocycles	Meters	Kilocycles	Meters	Kilocycles	Meters	Kilocycles	Meters	Kilocycles
10.....	29980	720.....	416.4	1430.....	209.7	2140.....	140.1	2850.....	105.2	4120.....	72.77	6400.....	46.85
20.....	14990	730.....	410.7	1440.....	208.2	2150.....	139.5	2860.....	104.8	4140.....	72.42	6450.....	46.48
30.....	9994	740.....	405.2	1450.....	206.8	2160.....	138.8	2870.....	104.5	4160.....	72.07	6500.....	46.13
40.....	7496	750.....	399.8	1460.....	205.4	2170.....	138.1	2880.....	104.1	4180.....	71.73	6550.....	45.77
50.....	5996	760.....	394.5	1470.....	204.0	2180.....	137.5	2890.....	103.7	4200.....	71.39	6600.....	45.43
60.....	4997	770.....	389.4	1480.....	202.6	2190.....	136.9	2900.....	103.4	4220.....	71.05	6650.....	45.09
70.....	4283	780.....	384.4	1490.....	201.2	2200.....	136.3	2910.....	103.0	4240.....	70.71	6700.....	44.75
80.....	3748	790.....	379.5	1500.....	199.9	2210.....	135.7	2920.....	102.7	4260.....	70.38	6750.....	44.42
90.....	3331	800.....	374.8	1510.....	198.6	2220.....	135.1	2930.....	102.3	4280.....	70.05	6800.....	55.09
100.....	2998	810.....	370.2	1520.....	197.2	2230.....	134.4	2940.....	102.0	4300.....	69.73	6850.....	43.77
110.....	2726	820.....	365.6	1530.....	196.0	2240.....	133.8	2950.....	101.6	4320.....	69.40	6900.....	43.45
120.....	2499	830.....	361.2	1540.....	194.7	2250.....	133.3	2960.....	101.3	4340.....	69.08	6950.....	43.14
130.....	2306	840.....	356.9	1550.....	193.4	2260.....	132.7	2970.....	100.9	4360.....	68.77	7000.....	42.83
140.....	2142	850.....	352.7	1560.....	192.2	2270.....	132.1	2980.....	100.6	4380.....	68.45	7050.....	42.53
150.....	1999	860.....	348.6	1570.....	191.0	2280.....	131.5	2990.....	100.3	4400.....	68.14	7100.....	42.23
160.....	1874	870.....	344.6	1580.....	189.9	2290.....	130.9	3000.....	99.94	4420.....	67.83	7150.....	41.93
170.....	1764	880.....	340.7	1590.....	188.6	2300.....	130.4	3020.....	99.28	4440.....	67.53	7200.....	41.64
180.....	1666	890.....	336.9	1600.....	187.4	2310.....	129.8	3040.....	98.62	4460.....	67.22	7250.....	41.35
190.....	1578	900.....	333.1	1610.....	186.2	2320.....	129.2	3060.....	97.98	4480.....	66.91	7300.....	41.07
200.....	1499	910.....	329.5	1620.....	185.1	2330.....	128.7	3080.....	97.34	4500.....	66.63	7350.....	40.79
210.....	1428	920.....	325.9	1630.....	183.9	2340.....	128.1	3100.....	96.72	4520.....	66.33	7400.....	40.52
220.....	1363	930.....	322.4	1640.....	182.8	2350.....	127.6	3120.....	96.10	4540.....	66.04	7450.....	40.24
230.....	1304	940.....	319.0	1650.....	181.7	2360.....	127.0	3140.....	95.48	4560.....	65.75	7500.....	39.98
240.....	1249	950.....	315.6	1660.....	180.6	2370.....	126.5	3160.....	94.88	4580.....	65.46	7550.....	39.71
250.....	1199	960.....	312.3	1670.....	179.5	2380.....	126.0	3180.....	94.28	4600.....	65.18	7600.....	39.45
260.....	1153	970.....	309.1	1680.....	178.5	2390.....	125.4	3200.....	93.69	4620.....	64.90	7650.....	39.19
270.....	1110	980.....	305.9	1690.....	177.4	2400.....	124.9	3220.....	93.11	4640.....	64.62	7700.....	38.94
280.....	1071	990.....	302.8	1700.....	176.4	2410.....	124.4	3240.....	92.54	4660.....	64.34	7750.....	38.69
290.....	1034	1000.....	299.8	1710.....	175.3	2420.....	123.9	3260.....	91.97	4680.....	64.06	7800.....	38.44
300.....	999.4	1010.....	296.9	1720.....	174.3	2430.....	123.4	3280.....	91.41	4700.....	63.79	7850.....	38.19
310.....	967.2	1020.....	293.9	1730.....	173.3	2440.....	122.9	3300.....	90.86	4720.....	63.52	7900.....	37.95
320.....	936.9	1030.....	291.1	1740.....	172.3	2450.....	122.4	3320.....	90.31	4740.....	63.25	7950.....	37.71
330.....	908.6	1040.....	288.3	1750.....	171.3	2460.....	121.9	3340.....	89.77	4760.....	62.99	8000.....	37.48
340.....	881.8	1050.....	285.5	1760.....	170.4	2470.....	121.4	3360.....	89.23	4780.....	62.72	8050.....	37.25
350.....	856.6	1060.....	282.8	1770.....	169.4	2480.....	120.9	3380.....	88.70	4800.....	62.46	8100.....	37.02
360.....	832.8	1070.....	280.2	1780.....	168.4	2490.....	120.4	3400.....	88.18	4820.....	62.20	8150.....	36.79
370.....	810.3	1080.....	277.6	1790.....	167.5	2500.....	119.9	3420.....	87.67	4840.....	61.95	8200.....	36.56
380.....	789.0	1090.....	275.1	1800.....	166.6	2510.....	119.5	3440.....	87.16	4860.....	61.69	8250.....	36.34
390.....	768.8	1100.....	272.6	1810.....	165.6	2520.....	119.0	3460.....	86.65	4880.....	61.44	8300.....	36.12
400.....	749.6	1110.....	270.1	1820.....	164.7	2530.....	118.5	3480.....	86.16	4900.....	61.19	8350.....	35.91
410.....	731.3	1120.....	267.7	1830.....	163.8	2540.....	118.0	3500.....	85.66	4920.....	60.94	8400.....	35.69
420.....	713.9	1130.....	265.3	1840.....	162.9	2550.....	117.6	3520.....	85.18	4940.....	60.69	8450.....	35.48
430.....	697.3	1140.....	263.0	1850.....	162.1	2560.....	117.1	3540.....	84.70	4960.....	60.45	8500.....	35.27
440.....	681.4	1150.....	260.7	1860.....	161.2	2570.....	116.7	3560.....	84.22	4980.....	60.20	8550.....	35.07
450.....	666.3	1160.....	258.5	1870.....	160.3	2580.....	116.2	3580.....	83.75	5000.....	59.96	8600.....	34.86
460.....	651.8	1170.....	256.3	1880.....	159.5	2590.....	115.8	3600.....	83.28	5050.....	59.37	8650.....	34.66
470.....	637.9	1180.....	254.1	1890.....	158.6	2600.....	115.3	3620.....	82.82	5100.....	58.79	8700.....	34.46
480.....	624.6	1190.....	252.0	1900.....	157.8	2610.....	114.9	3640.....	82.37	5150.....	58.22	8750.....	34.27
490.....	611.9	1200.....	249.9	1910.....	157.0	2620.....	114.4	3660.....	81.92	5200.....	57.66	8800.....	34.07
500.....	599.6	1210.....	247.8	1920.....	156.2	2630.....	114.0	3680.....	81.47	5250.....	57.11	8850.....	33.88
510.....	587.9	1220.....	245.8	1930.....	155.3	2640.....	113.6	3700.....	81.03	5300.....	56.57	8900.....	33.69
520.....	576.6	1230.....	243.8	1940.....	154.5	2650.....	113.1	3720.....	80.60	5350.....	56.04	8950.....	33.50
530.....	565.7	1240.....	241.8	1950.....	153.8	2660.....	112.7	3740.....	80.17	5400.....	55.52	9000.....	33.31
540.....	555.2	1250.....	239.9	1960.....	153.0	2670.....	112.3	3760.....	79.74	5450.....	55.01	9050.....	33.13
550.....	545.1	1260.....	238.0	1970.....	152.2	2680.....	111.9	3780.....	79.32	5500.....	54.51	9100.....	32.95
560.....	535.4	1270.....	236.1	1980.....	151.4	2690.....	111.5	3800.....	78.90	5550.....	54.02	9150.....	32.77
570.....	526.0	1280.....	234.2	1990.....	150.7	2700.....	111.0	3820.....	78.49	5600.....	53.54	9200.....	32.59
580.....	516.9	1290.....	232.4	2000.....	149.9	2710.....	110.6	3840.....	78.08	5650.....	53.07	9250.....	32.41
590.....	508.2	1300.....	230.6	2010.....	149.2	2720.....	110.2	3860.....	77.67	5700.....	52.60	9300.....	32.24
600.....	499.7	1310.....	228.9	2020.....	148.4	2730.....	109.8	3880.....	77.27	5750.....	52.14	9350.....	32.07
610.....	491.5	1320.....	227.1	2030.....	147.7	2740.....	109.4	3900.....	76.88	5800.....	51.69	9400.....	31.90
620.....	483.6	1330.....	225.4	2040.....	147.0	2750.....	109.0	3920.....	76.49	5850.....	51.25	9450.....	31.73
630.....	475.9	1340.....	223.7	2050.....	146.3	2760.....	108.6	3940.....	76.10	5900.....	50.82	9500.....	31.56
640.....	468.5	1350.....	222.1	2060.....	145.5	2770.....	108.2	3960.....	75.71	5950.....	50.39	9550.....	31.39
650.....	461.3	1360.....	220.4	2070.....	144.8	2780.....	107.8	3980.....	75.33	6000.....	49.97	9600.....	31.23
660.....	454.3	1370.....	218.8	2080.....	144.1	2790.....	107.5	4000.....	74.96	6050.....	49.56	9650.....	31.07
670.....	447.5	1380.....	217.3	2090.....	143.5	2800.....	107.1	4020.....	74.58	6100.....	49.15	9700.....	30.91
680.....	440.9	1390.....	215.7	2100.....	142.3	2810.....	106.7	4040.....	74.21	6150.....	48.75	9750.....	30.75
690.....	434.5	1400.....	214.2	2110.....	142.1	2820.....	106.3	4060.....	73.85	6200.....	48.36	9800.....	30.59
700.....	428.3	1410.....	212.6	2120.....	141.4	2830.....	105.9	4080.....	73.49	6250.....	47.97	9850.....	30.44
710.....	422.3	1420.....	211.1	2130.....	140.8	2840.....	105.6	4100.....	73.13	6300.....	47.59	9900.....	30.28
										63.50.....	47.22	9950.....	30.13

Call	Location	Wave-length in meters
CFAC	Calgary, Alta., Can.	430
CFCA	Toronto, Ont., Can.	400
CFCB	Vancouver, B. C., Can.	400
CFCE	Halifax, N. S., Can.	440
CFCF	Montreal, P. Q., Can.	400
CFCH	Iroquois Falls, Ont., Can.	400
CFCK	Edmonton, Alta., Can.	410
CFCN	Calgary, Alta., Can.	275, 410
CFCX	London, Ont., Can.	
CFPC	Fort Frances, Ont. Can.	
CFTC	Toronto, Ont., Can.	
CFYC	Vancouver, B. C., Can.	
CHBC	Calgary, Alta., Can.	410
CHCA	Vancouver, B. C., Can.	
CHCB	Toronto, Can.	
CHCF	Winnipeg, Man., Can.	
CHCS	London, Ont., Can.	
CHCX	Montreal, Que., Can.	
CHYC	Montreal, Que., Can.	410
CHXC	Ottawa, Ont., Can.	450
CJBC	Montreal, Que., Can.	420
CJCA	Edmonton, Alta., Can.	450
CJCB	Nelson, C. C., Can.	400
CJCD	Toronto, Can.	410
CJCE	Vancouver, B. C., Can.	420
CJCH	Toronto, Ont., Can.	
CJCI	St. John, N. B., Can.	400
CJCN	Toronto, Ont., Can.	
CJCS	Halifax, N. S., Can.	
CJCX	Olds, Alta., Can.	400
CJCY	Calgary, Alta., Can.	
CJCG	London, Ont., Can.	430
CJNC	Winnipeg, Man., Can.	400
CJSC	Toronto, Ont., Can.	
CKAC	Montreal, Que., Can.	430
CKCB	Winnipeg, Man., Can.	
CKCE	Toronto, Ont., Can.	
CKCK	Regina, Sask., Can.	420
CKCR	St. John, N. B., Can.	400
CKKC	Toronto, Ont., Can.	
CKOC	Hamilton, Ont., Can.	410
CKQC	London, Ont., Can.	410
CKY	Winnipeg, Man., Can.	450
CKZC	Winnipeg, Man., Can.	
DN4	Denver, Colo.	360
KDEX	Shreveport, La.	360
KDKA	E. Pittsburgh, Pa.	326
KDOW	New York, S. S. America	
KDPM	Cleveland, O.	270
KDPT	San Diego, Cal.	300
KDYL	Salt Lake City, Utah	360
KDYM	San Diego, Cal.	252
KDYQ	Portland, Ore.	360
KDYS	Great Falls, Mont.	360
KDYW	Phoenix, Ariz.	360
KDYX	Honolulu, T. H., Hawaii	360
KDZB	Bakersfield, Cal.	240
KDZE	Seattle, Wash.	455
KDZF	Los Angeles, Cal.	278
KDZI	Wenatchee, Wash.	360
KDZK	Reno, Nev.	380
KDZQ	Denver, Col.	360
KDZR	Bellingham, Wash.	261
KDZT	Seattle, Wash.	360
KFAD	Phoenix, Ariz.	360
KFAE	Pullman, Wash.	360
KFAF	Denver, Col.	360
KFAJ	Boulder, Col.	360
KFAN	Moscow, Idaho	360
KFAP	Butte, Mont.	360
KFAQ	San Jose, Cal.	360
KFAR	Hollywood, Cal.	280
KFAU	Boise, Idaho	270
KFAV	Venice, Cal.	258
KFAW	Santa Ana, Cal.	360
KFAY	Medford, Ore.	360
KFBB	Havre, Mont.	360
KFBC	Phoenix, Ariz.	238
KFBE	San Luis Obispo, Cal.	358
KFBG	Tacoma, Wash.	360
KFBK	Sacramento, Cal.	283
KFBL	Everett, Wash.	224
KFBS	Trinidad, Col.	360
KFBU	Laramie, Wyo.	283
KFCB	Salem, Ore.	360
KFCF	Walla Walla, Wash.	360
KFCH	Billings, Mont.	360
KFCJ	Colorado Springs, Col.	360
KFCL	Los Angeles, Cal.	360
KFCM	Richmond, Cal.	244
KFCP	Ogden, Utah	360
KFCV	Houston, Texas	360
KFCY	Le Mars, Iowa	360
KFCZ	Omaha, Neb.	258
KFDA	Baker, Ore.	360
KFDB	San Francisco, Cal.	509
KFDC	Spokane, Wash.	285
KFDD	Boise, Idaho	252
KFDH	Tucson, Ariz.	360
KFDJ	Corvallis, Ore.	360
KFDL	Denver, Col.	360
KFDO	Bozeman, Mont.	360
KFDP	Des Moines, Iowa	278
KFDR	York, Neb.	360
KFDS	San Francisco, Cal.	360
KFDU	Lincoln, Neb.	240
KFDV	Fayetteville, Ark.	360
KFDX	Shreveport, La.	360
KFDY	Brookings, S. D.	360
KFDZ	Minneapolis, Minn.	360

Call	Location	Wave-length in meters
KFEC	Portland, Ore.	360
KFEJ	Tacoma, Wash.	360
KFEL	Denver, Col.	360
KFEP	Denver, Col.	360
KFEQ	Oak, Neb.	360
KFER	Fort Dodge, Iowa	231
KFEV	Douglas, Wyo.	263
KFEW	Minneapolis, Minn.	275
KFEY	Kellogg, Idaho	360
KFEZ	St. Louis, Mo.	360
KFFA	San Diego, Cal.	244
KFFB	Boise, Idaho	240
KFFE	Pendleton, Ore.	360
KFFO	Hillsboro, Ore.	229
KFFP	Moberly, Mo.	275
KFFQ	Colorado Springs, Col.	360
KFFR	Sparks, Neb.	226
KFFV	Lamoni, Iowa	360
KFFX	Omaha, Neb.	278
KFFY	Alexandria, La.	360
KFFZ	Dallas, Texas	360
KFGC	Baton Rouge, La.	254
KFGD	Chickasha, Okla.	248
KFGH	Stanford University, Cal.	360
KFGJ	St. Louis, Mo.	226
KFGL	Arlington, Ore.	234
KFGP	Cheney, Kan.	229
KFGQ	Boone, Iowa	226
KFGV	Utica, Neb.	224
KFGX	Orange, Texas	250
KFGY	Baudette, Minn.	224
KFGZ	Berrien Springs, Mich.	268
KFHA	Gunnison, Col.	360
KFHB	Hood River, Ore.	280
KFHD	St. Joseph, Mo.	226
KFHF	Shreveport, La.	266
KFHH	Neah Bay, Wash.	283
KFHI	Wichita, Kan.	224
KFHJ	Santa Barbara, Cal.	360
KFHL	Oskaloosa, Iowa	227
KFHP	Kearney, Neb.	246
KFHQ	Los Gatos, Cal.	242
KFHR	Seattle, Wash.	275
KFHS	Hutchinson, Kan.	229
KFHU	Mayville, N. D.	261
KFHY	Trinidad, Col.	242
KFI	Los Angeles, Cal.	469
KFIB	St. Louis, Mo.	244
KFID	Iola, Kan.	240
KFIF	Portland, Ore.	360
KFIK	Gladbrook, Iowa	234
KFIL	Louisburg, Kan.	234
KFIO	Spokane, Wash.	252
KFIQ	Yakima, Wash.	224
KFIU	Juneau, Alaska	226
KFIV	Pittsburg, Kan.	240
KEIX	Independence, Kan.	240
KFIV	Seattle, Wash.	236
KFIZ	Fond du Lac, Wis.	273
KFJA	Grand Island, Neb.	244
KFJB	Marshalltown, Iowa	248
KFJC	Seattle, Wash.	233
KFJD	Greely, Col.	236
KFJF	Oklahoma City, Okla.	252
KFJH	Selma, Cal.	273
KFJI	Astoria, Ore.	252
KFJJ	Carrollton, Mo.	236
KFJK	Bristow, Okla.	233
KFJM	Grand Forks, N. D.	229
KFJQ	Grand Forks, N. D.	252

Call	Location	Wave-length in meters
KFJR	Stevensville, Mont.	258
KFJU	Kearney, Neb.	234
KFJX	Cedar Falls, Iowa	229
KFKA	Greely, Col.	248
KFKH	Lakes de, Col.	236
KFLE	Denver, Col.	268
KFZ	Spokane, Wash.	283
KGB	Tacoma, Wash.	252
KGG	Portland, Ore.	360
KGN	Portland, Ore.	360
	Honolulu, T. H.	360
KGW	Portland, Ore.	492
KGY	Lacey, Wash.	258
KHJ	Los Angeles, Cal.	395
KHQ	Seattle, Wash.	360
KJQ	Stockton, Cal.	360
KJR	Seattle, Wash.	270
KJS	Los Angeles, Cal.	360
KLN	Del Monte, Cal.	261
KLS	Oakland, Cal.	360
KLX	Oakland, Cal.	360
KLZ	Denver, Col.	360
KMJ	Fresno, Cal.	360
KMO	Tacoma, Wash.	360
KNJ	Roswell, N. M.	250
KNT	Aberdeen, Wash.	263
KNV	Los Angeles, Cal.	360
KNX	Los Angeles, Cal.	360
KOB	State College, N. M.	360
KOP	Detroit, Mich.	286
KPO	San Francisco, Cal.	423
KQI	Berkeley, Cal.	360
KQM	San Jose, Cal.	360
KQP	Hood River, Ore.	360
KQV	Pittsburgh, Pa.	360
KQW	San Jose, Cal.	360
KRE	Berkeley, Cal.	278
KSD	St. Louis, Mo.	546
KSS	Long Beach, Cal.	229
KTW	Seattle, Wash.	360
KUO	San Francisco, Cal.	360
KUS	Los Angeles, Cal.	360
KUY	El Monte, Cal.	360
KWG	Stockton, Cal.	360
KWH	Los Angeles, Cal.	360
KXD	Modesto, Cal.	252
KYQ	Honolulu, Hawaii	360
KYW	Chicago, Ill.	536
KZM	Oakland, Cal.	360
KZN	Salt Lake City, Utah	360
KZV	Wenatchee, Wash.	360
NAA	Radio, Va.	435
OA	Ottawa, Ont., Can.	
PWX	Havana, Cuba	400
WAAB	New Orleans, La.	268
WAAC	New Orleans, La.	360
WAAD	Cincinnati, Ohio	360
WAAF	Chicago, Ill.	286
WAAH	St. Paul, Minn.	360
WAAK	Milwaukee, Wis.	280
WAAM	Newark, N. J.	263
WAAN	Columbia, Mo.	254
WAAP	Wichita, Kan.	360
WAAW	Omaha, Neb.	278
WAAZ	Emporia, Kan.	360
WABB	Harrisburg, Pa.	266
WABC	Anderson, Ind.	229
WABD	Dayton, Ohio	283
WABE	Washington, D. C.	283
WABF	Mt. Vernon, Ill.	234
WABH	Sandusky, Ohio	240
WABI	Bangor, Me.	240
WABJ	South Bend, Ind.	240
WABK	Worcester, Mass.	252
WABL	Storrs, Conn.	283
WABM	Saginaw, Mich.	254
WABN	La Crosse, Wis.	234
WABO	Rochester, N. Y.	252
WAI	Dayton, Ohio	
WATJ	Marshall, Mo.	360
WATU	Yankton, S. D.	360
WBAA	W. Lafayette, Ind.	360
WBAD	Minneapolis, Minn.	360
WBAF	Moorestown, N. J.	360
WBAH	Minneapolis, Minn.	360
WBAN	Paterson, N. J.	244
WBAO	Decatur, Ill.	360
WBAP	Fort Worth, Texas	476
WBAU	Hamilton, Ohio	258
WBAY	Columbus, Ohio	390
WBAX	Marietta, Ohio	246
WBAY	Wilkes-Barre, Pa.	360
WBAY	New York, N. Y.	492
WBBA	Newark, Ohio	240
WBBC	Sterling, Ill.	229
WBBD	Reading, Pa.	224
WBL	Anthony, Kan.	261
WBS	Newark, N. J.	360
WBT	Charlotte, N. C.	360
WBU	Chicago, Ill.	286
WBZ	Springfield, Mass.	337
WCAC	Fort Smith, Ark.	360
WCAD	Canton, N. Y.	280
WCAE	Pittsburgh, Pa.	462
WCAF	Rodgers, Mich.	360
WCAG	New Orleans, La.	268
WCAH	Columbus, Ohio	286
WCAJ	University Place, Neb.	360

This station roster, by call signs, shows the broadcasting scene as of the end of

September

1923



Continued

WCAK	Houston, Texas	360	WIAJ	Neenah, Wis.	360	WOI	Ames, Iowa	360
WCAL	Northfield, Minn.	360	WIAK	Omaha, Neb.	278	WOK	Pine Bluff, Ark.	360
WCAM	Villanova, Pa.	380	WIAO	Milwaukee, Wis.	360	WOO	Philadelphia, Pa.	509
WCAO	Baltimore, Md.	360	WIAQ	Marion, Ind.	226	WOQ	Kansas City, Mo.	360
WCAP	Washington, D. C.	469	WIAS	Burlington, Iowa	360	WOR	Newark, N. J.	405
WCAR	San Antonio, Texas	360	WIAU	Le Mars, Iowa	360	WOS	Jefferson City, Mo.	441
WCAS	Minneapolis, Minn.	246	WIAY	Washington, D. C.	224	WPAB	State College, Pa.	360
WCAT	Rapid City, S. D.	240	WIK	McKeesport, Pa.	360	WPAC	Oklmulgee, Okla.	360
WCAU	Philadelphia, Pa.	286	WIL	Washington, D. C.	360	WPAD	Chicago, Ill.	360
WCAV	Little Rock, Ark.	360	WIP	Philadelphia, Pa.	509	WPAF	Council Bluffs, Iowa	360
WCAX	Burlington, Vt.	360	WJAB	Lincoln, Neb.	360	WPAG	Independence, Mo.	360
WCAY	Milwaukee, Wis.	261	WJAF	Waco, Tex.	360	WPAH	Waupaca, Wis.	360
WOB	Allentown, Pa.	280	WJAG	Muncie, Ind.	390	WPAJ	New Haven, Conn.	268
WCBB	Greenville, Ohio	240	WJAM	Norfolk, Neb.	360	WPAK	Fargo, N. D.	360
WCBD	Zion, Ill.	345	WJAN	Cedar Rapids, Iowa	268	WPAL	Columbus, Ohio	286
WCE	Minneapolis, Minn.	360	WJAR	Peoria, Ill.	280	WPAM	Topeka, Kan.	360
WCK	St. Louis, Mo.	360	WJAX	Topeka, Kan.	360	WPAP	Winchester, Ky.	360
WCM	Austin, Texas	360	WJAR	Providence, R. I.	360	WPAQ	Frostburg, Md.	360
WCX	Detroit, Mich.	517	WJAS	Pittsburgh, Pa.	360	WPAR	Beloit, Kan.	360
WDAD	Lindsburg, Kan.	360	WJAT	Marshall, Mo.	360	WPAT	El Paso, Texas	360
WDAE	Tampa, Fla.	360	WJAX	Cleveland, O.	390	WPAU	Moorhead, Minn.	360
WDAF	Kansas City, Mo.	411	WJAZ	Chicago, Ill.	448	WPAX	Thomasville, Ga.	360
WDAG	Amarillo, Texas	263	WJD	Granville, O.	229	WPG	Charleston, W. Va.	273
WDAH	El Paso, Texas	268	WJH	Washington, D. C.	263	WQA	New Lebanon, Ohio	360
WDAH	El Paso, Texas	360	WJX	New York, N. Y.	360	WQAA	Parkersburg, Pa.	360
WDAI	Syracuse, N. Y.	246	WJY	New York, N. Y.	405	WQAB	Springfield, Mo.	236
WDAJ	College Park, Ga.	258	WJZ	New York, N. Y.	455	WQAC	Amarillo, Texas	360
WDAK	Hartford, Conn.	269	WKAA	Cedar Rapids, Iowa	360	WQAD	Waterbury, Conn.	242
WDAI	Jacksonville, Fla.	360	WKAC	Lincoln, Neb.	275	WQAE	Springfield, Vt.	275
WDAO	Dallas, Texas	360	WKAD	East Providence, R. I.	240	WQAF	Sandusky, Ohio	240
WDAP	Chicago, Ill.	360	WKAF	Wichita Falls, Texas	360	WQAH	Lexington, Ky.	254
WDAR	Philadelphia, Pa.	395	WKAN	Montgomery, Ala.	226	WQAL	Mattoon, Ill.	258
WDAS	Worcester, Mass.	360	WKAP	Grandston, R. I.	360	WQAM	Miami, Fla.	360
WDAU	New Bedford, Mass.	360	WKAQ	San Juan, Porto Rico	360	WQAN	Scranton, Pa.	280
WDAX	New Bedford, Mass.	360	WKAR	East Lansing, Mich.	280	WQAO	New York, N. Y.	360
WDAX	Centerville, Iowa	268	WKAS	Springfield, Mo.	360	WQAP	Lincoln, Neb.	360
WDAY	Fargo, N. D.	244	WKAV	Laconia, N. H.	254	WQAS	Abilene, Texas	360
WDDB	Lancaster, Pa.	258	WKAW	Beloit, Wis.	246	WQAT	Lowell, Mass.	266
WDBT	Youngstown, Ohio	261	WKAX	Bridgeport, Conn.	231	WQAU	Greenville, S. C.	258
WDM	Washington, D. C.	360	WKAY	Gainesville, Ga.	360	WQAW	Washington, D. C.	236
WDT	New York City, N. Y.	405	WKBC	Baltimore, Md.	360	WQAX	Peoria, Ill.	360
WDZ	Tuscola, Ill.	278	WKD	Oklahoma City, Okla.	360	WQAZ	Greensboro, N. C.	360
WEAA	Flint, Mich.	280	WKL	Fairfield, Ohio	360	WRAA	Houston, Texas	360
WEAB	Fort Dodge, Iowa	360	WLA	Raleigh, N. C.	360	WRAB	Savannah, Ga.	360
WEAE	Blacksburg, Va.	360	WLAG	Minneapolis, Minn.	417	WRAD	Marion, Kan.	248
WBAF	Morrestown, N. J.	360	WLAH	Syracuse, N. Y.	234	WRAF	La Porte, Ind.	224
WEAG	Edgewood, R. I.	231	WLAJ	Waco, Texas	360	WRAI	Providence, R. I.	360
WEAH	Wichita, Kan.	244	WLAK	Bellows Falls, Vt.	369	WRAL	St. Croix Falls, Wis.	248
WEAL	Ithaca, N. Y.	286	WLAN	Houlton, Me.	283	WRAO	St. Louis, Mo.	360
WEAK	St. Joseph, Mo.	360	WLAP	Louisville, Ky.	360	WRAP	Winterpark	360
WEAJ	Vermilion, S. D.	360	WLAQ	Kalamazoo, Mich.	244	WRAR	David City, Neb.	226
WEAM	North Plainfield, N. J.	252	WLAT	Burlington, Iowa	360	WRAS	McLeansboro, Ill.	360
WEAN	Providence, R. I.	272	WLAW	Pensacola, Fla.	360	WRAU	Amarillo, Texas	360
WEAO	Columbus, Ohio	360	WLAX	New York, N. Y.	360	WRAY	Yellow Spring, Ohio	360
WEAR	Baltimore, Md.	360	WLAZ	Greencastle, Ind.	231	WRAY	Reading, Pa.	238
WEAS	Washington, D. C.	360	WLW	Warren, Ohio	248	WRAX	Gloucester City, N. J.	268
WEAU	Sioux City, Iowa	360	WLW	Cincinnati, Ohio	309	WRAY	Scranton, Pa.	268
WEAY	Houston, Texas	360	WMA	Cazenovia, N. Y.	261	WRAY	Newark, N. J.	233
WEB	St. Louis, Mo.	360	WMAF	Dartmouth, Mass.	360	WRB	Washington, D. C.	469
WEV	Houston, Texas	360	WMAH	Lincoln, Neb.	254	WRK	Hanilton, Ohio	360
WEW	St. Louis, Mo.	261	WMAJ	Kansas City, Mo.	275	WRL	Schenectady, N. Y.	360
WFAA	Dallas, Texas	476	WMAK	Lockport, N. Y.	360	WRM	Urbana, Ill.	360
WFAB	Syracuse, N. Y.	234	WMAK	Trenton, N. J.	256	WRM	Dallas, Texas	360
WFAB	Poughkeepsie, N. Y.	273	WMAL	Beaumont, Texas	360	WRN	Tarrytown, N. Y.	273
WFAH	Cameron, Mo.	360	WMAM	Easton, Pa.	246	WSAB	Cape Girardeau, Mo.	360
WFAJ	Port Arthur, Texas	360	WMAQ	Chicago, Ill.	447	WSAC	Clemson College, S. C.	360
WFAJ	Ashville, N. C.	360	WMAQ	Duluth, Minn.	266	WSAD	Providence, R. I.	261
WFAM	St. Cloud, Minn.	360	WMAV	Auburn, Ala.	250	WSAG	St. Petersburg, Fla.	244
WFAN	Hutchinson, Minn.	360	WMAW	St. Louis, Mo.	280	WSAH	Chicago, Ill.	248
WFAT	Sioux Falls, S. D.	360	WMAZ	Macon, Ga.	268	WSAI	Cincinnati, Ohio	300
WFAV	Lincoln, Neb.	360	WMC	Memphis, Tenn.	500	WSAJ	Grove City, Pa.	360
WFI	Philadelphia, Pa.	395	WMD	Cincinnati, Ohio	248	WSAK	Middleport, Ohio	258
WGAF	Tulsa, Okla.	360	WMS	Albany, N. Y.	360	WSAL	Brookville, Ind.	246
WGAN	Pensacola, Fla.	360	WMT	Washington, D. C.	261	WSAN	Allentown, Pa.	229
WGAG	Shreveport, La.	360	WNA	Boston, Mass.	278	WSAP	New York, N. Y.	263
WGAR	Fort Smith, Ark.	360	WNA	Norman, Okla.	360	WSAR	Fall River, Mass.	254
WGAU	Wooster, Ohio	226	WNA	Omaha, Neb.	242	WSAT	Plainview, Texas	268
WGAW	Altoona, Pa.	261	WNA	Syracuse, N. Y.	286	WSAU	Chesam, N. H.	229
WGAY	Madison, Wis.	360	WNA	Springfield, Ohio	360	WSAW	Canadaigua, N. Y.	275
WGAZ	South Bend, Ind.	360	WNA	Charleston, S. C.	360	WSAX	Chicago, Ill.	268
WGF	Des Moines, Iowa	360	WNA	Butler, Mo.	360	WSB	Atlanta, Ga.	429
WGI	Medford Hillside, Mass.	360	WNA	Austin, Texas	360	WSL	Utica, N. Y.	273
WGL	Philadelphia, Pa.	360	WNA	Philadelphia, Pa.	360	WSN	Norfolk, Va.	360
WGR	Buffalo, N. Y.	319	WNA	Knoxville, Tenn.	360	WSY	Birmingham, Ala.	360
WGV	New Orleans, La.	350	WNA	Fortress Monroe, Va.	360	WTAB	Fall River, Mass.	248
WGY	Schenectady, N. Y.	380	WNA	Yankton, S. D.	244	WTAC	Johnstown, Pa.	360
WHA	Madison, Wis.	360	WNA	Baltimore, Md.	360	WTAD	Carthage, Ill.	229
WHAA	Iowa City, Iowa	283	WNA	Albany, N. Y.	360	WTAF	New Orleans, La.	242
WHAB	Galveston, Tex.	360	WNA	Ardmore, Okla.	360	WTAG	Providence, R. I.	258
WHAD	Milwaukee, Wis.	280	WNA	Grand Forks, N. D.	280	WTAH	Belvidere, Ill.	236
WHAG	Cincinnati, O.	222	WNA	Lima, Ohio	266	WTAJ	Portland, Me.	236
WHAH	Joplin, Mo.	360	WNA	Sigourney, Iowa	360	WTAK	Steubenville, Ohio	266
WHAK	Clarksburg, W. Va.	360	WNA	Fremont, Neb.	360	WTAL	Toledo, Ohio	252
WHAL	Lansing, Mich.	248	WNA	Tyler, Texas	360	WTAM	Cleveland, Ohio	390
WHAM	Rochester, N. Y.	360	WNA	Belvidere, Ill.	224	WTAN	Mattoon, Ill.	240
WHAO	Savannah, Ga.	360	WNA	Charleston, S. C.	360	WTAS	Elgin, Ill.	275
WHAP	Decatur, Ill.	360	WNA	San Antonio, Texas	385	WTAU	Tecumseh, Neb.	360
WHAQ	Washington, D. C.	242	WNA	Parsons, Kan.	258	WTAW	College Station, Texas	254
WHAR	Atlantic City, N. J.	231	WNA	Frankfort, Ky.	240	WTG	Manhattan, Kan.	360
WHAS	Louisville, Ky.	400	WNA	Webster Groves, Mo.	360	WWAC	Waco, Texas	360
WHAV	Wilmington, Del.	360	WNA	Lawrenceburg, Tenn.	360	WWAD	Philadelphia, Pa.	360
WHAY	Huntington, Ind.	360	WNA	Mishawaka, Ind.	360	WWAX	Laredo, Texas	360
WHAZ	Troy, N. Y.	380	WNA	Kalamazoo, Mich.	360	WWB	Canton, Ohio	268
WJB	Kansas City, Mo.	411	WNA	Portsmouth, Va.	360	WWI	Dearborn, Mich.	273
WHD	Morgantown, W. Va.	360	WNA	Kenosha, Wis.	360	WWI	Detroit, Mich.	517
WHK	Cleveland, O.	360	WNA	Wilmington, Del.	360	WWL	New Orleans, La.	280
WHN	Loew's State Theatre, New York	360	WNA	Omaha, Neb.	526	WYG	San Antonio, Texas	315
WIAB	Rockford, Ill.	360	WNA	Trenton, N. J.	240	6KW	Tuincucu, Cuba	315
WIAC	Galveston, Tex.	360	WNA	Stanford, Texas	360			
WIAD	Ocean City, N. J.	254	WNA	Davenport, Iowa	484			
WIAF	New Orleans, La.	234	WNA					
WIAH	Newton, Iowa	360	WNA					
WIAT	Springfield, Mo.	253	WNA					

Pioneer Radio Days

(1934) By Raymond M. Bell

RADIO broadcasting in the United States was largely experimental until the fall of 1921. There were a number of individuals and companies experimenting in radio telephony in 1920 and 1921; a comparatively few listeners were building receivers. In September 1921 WBZ Springfield and WJZ Newark, of the Westinghouse Company and WDY Roselle Park, N. J., of the R.C.A. were licensed. WJZ was opened on October 12, 1921 and the real radio boom began. In November two more Westinghouse stations were licensed, KDKA Pittsburgh and KYW Chicago. By December five regularly licensed broadcasters were on the air, all using 360 meters without interference. 485 meters could be used occasionally with special permission. The Westinghouse Company had been encouraged by the results obtained in the Pittsburgh area. On November 4, 1920 8ZZ (later KDKA) had broadcast election returns with 100 watts power. On December 1, 1920 a daily schedule of concerts, talks, news, and church services had been inaugurated. By August 1921 500 watts was used, by October 1000. Because KDKA was the first to inaugurate daily broadcasts as we have them today and has continued them without a break, it has gained the name of "Pioneer Broadcasting Station of the World." WWJ and WGY were other "early settlers."

In December 1921 twenty stations were licensed; only two remain, KQW and KWG. The radio boom was tremendous in 1922; by April there were 200 stations on the air and a 400 meter band was added for the better stations. At this time no other country had regular broadcasters; 2LO London was not opened

until November 1922. By 1923 there were 500 stations and during that year the present plan of 10 kc. allocation was inaugurated. The early receivers used were crystal and one tube sets. Most sets were homemade, although an early Westinghouse product could be bought for \$65. Chicago was real DX and a fan with a log of 25 stations was not easy to find. KDKA pioneered in short as well as medium waves. In 1923 transmissions were begun on 94 meters. The world was astonished to find their DX value. In 1925 a shift was made to 63 m. In the latter year WGY began broadcasting on 41.5 meters.

FIRST AMERICAN AIRCRAFT LICENSES ISSUED

Radio as a safety measure for the protection of pilots and passengers has come into its own in air travel as well as on the sea, where its value was first realized. Seven airplanes and flying boats now are equipped with radio and answer to regular calls. The first American aircraft, other than those of the Army and Navy, which are all radio-equipped but not licensed, to be licensed as a limited commercial station was one belonging to the Airline Transportation Company of California. The Aeromarine Company followed with the "Buckeye" in December and licensed five more recently. Radio-equipment, officials believe, will make for greater safety in over-sea travel and insure aid when air boats are forced down.

AIRCRAFT LICENSED AS LIMITED COMMERCIAL STATIONS ON 525 METERS

KFBI—Airline Arrow, No. 1, Airline Transportation Co., Los Angeles, Calif. Aug., 1922.
 KFBIY—Balboa, Aeromarine Airways, Inc., New York City. Jan. 18, 1923.
 KFBA—Buckeye, Aeromarine Airways, Inc., New York. Dec. 22, 1922.
 KFBB—Gov. Cordeaux, Aeromarine Airways, Inc., New York City. Jan. 18, 1923.
 KFBJ—Nina, Aeromarine Airways, Inc., New York City. Jan. 18, 1923.
 KFBBM—Ponce de Leon, Aeromarine Airways, Inc., New York City. Jan. 18, 1923.
 KFBBZ—Santa Maria, Aeromarine Airways, Inc., New York City. Jan. 18, 1923.

1926 AMERICAN STATIONS

Station	Meters	Kilo-cycles	Watts	Location and Owner
KDKA	309.1	970	10000	Pittsburgh, Pa.—Westinghouse E. & M. Co.
KDLR	231	1300	5	Devils Lake, N. D.—Radio Elec. Co.
KDYL	245.8	1220	100	Salt Lake City, Utah—Int. Br'dc's'g Corp.
KFAB	340.7	880	5000	Lincoln, Nebr.—Nebraska Buick Auto Co.
KFAD	273	1100	100	Phoenix, Ariz.—Electrical Equipment Co.
KFAF	217.3	1380	50	San Jose, Calif.—A. E. Fowler
KFAU	280.2	1070	750	Boise, Idaho—Ind. School Dist. of Boise
KFBB	275	1090	50	Havre, Mont.—F. A. Buttrey Co.
KFBC	380	789	100	San Diego, Calif.—W. K. Azbill
KFBK	535.4	560	100	Sacramento, Calif.—Kinball Upson Co.
KFBL	224	1340	100	Everett, Wash.—Leese Bros.
KFBS	238	1260	15	Trinidad, Colo.—School Dist. No. 1
KFBU	374.8	800	1000	Laramie, Wyo.—St. Matthews Cathedral
KFCB	238	1260	100	Phoenix, Ariz.—Neilson Radio Co.
KFDD	275.1	1090	50	Boise, Idaho—St. Michaels Cathedral
KFDM	315.6	950	500	Beaumont, Texas—Magnolia Pet Co.
KFDX	236.1	1270	500	Shreveport, La.—1st Baptist Church
KFDY	305.9	980	500	Brookings, S. D.—State College of Agri.
KFDZ	231	1300	10	Minneapolis, Minn.—H. O. Iverson
KFEC	252	1190	150	Portland, Ore.—Meier & Frank Co.
KFEL	254.1	1180	250	Denver, Colo.—Eugene P. O'Fallon
KFEQ	267.7	1120	500	Oak, Nebr.—Scroggin & Co.
KFEY	233	1290	10	Kellogg, Idaho—Bunker Hill & Sullivan
KFFP	242	1240	50	Moberly, Mo.—1st Baptist Church
KFGQ	226	1330	10	Boone, Iowa—Crary Co.
KFH	267.7	1120	500	Wichita, Kans.—Hotel Lassen
KFHA	252	1190	50	Gunnison, Colo.—Western State College
KFHL	240	1250	10	Oskaloosa, Iowa—Penn College
KFI	467	642	5000	Los Angeles, Calif.—E. C. Anthony, Inc.
KFIF	247.8	1210	150	Portland, Ore.—Benson Institute
KFIO	272.6	1100	100	Spokane, Wash.—North Central H. School
KFIQ	256	1170	100	Yakima, Wash.—1st Methodist Church
KFIU	226	1330	10	Juneau, Alaska—Alaska Elec. Co.
KFIZ	273	1100	100	Fond du Lac, Wis.—Daily Commonwealth
KFJB	248	1210	10	Marshalltown, Iowa—Marshall Elec. Co.
KFJC	218.8	1370	10	Junction City, Kans.—R. B. Fegan
KFJF	260.7	1150	1000	Oklahoma City, Okla.—National Radio Co.
KFJI	245.8	1220	10	Astoria, Ore.—E. E. Marsh
KFJM	278	1080	100	Grand Forks, N. D.—University of N. D.
KFJR	263	1140	100	Portland, Ore.—Ashley C. Dixon & Son
KFJY	246	1220	50	Ft. Dodge, Iowa—Tunwall Radio Co.
KFJZ	254.1	1180	50	Ft. Worth, Texas—W. E. Branch

Station	Meters	K. C.	Watts	Location and Owner
KFKA	273	1100	50	Greeley, Colo.---State Teachers College
KFKB	431.4	695	1000	Milford, Kans.---Dr. J. R. Brinkley
KFKU	275	1090	500	Lawrence, Kans.---University of Kansas
KFKX	288.3	1040	5000	Hastings, Nebr.---Westinghouse E. & M. Co.
KFKZ	225.4	1330	10	Kirkville, Mo.---Kirkville Cham. of Com.
KFLR	254	1180	100	Albuquerque, N. Mex.---Univ. of N. M.
KFLU	236	1270	10	San Benito, Tex.---San Benito Radio Club
KFLV	229	1310	100	Rockford, Ill.---Swedish Evangelist Church
KFLX	240	1250	10	Galveston, Texas---George R. Clough
KFMR	261	1150	100	Sioux City, Iowa---Morningside College
KFMX	336.9	890	500	Northfield, Minn.---Carleton College
KFNF	461.3	650	1000	Shenandoah, Iowa---Henry Field Seed Co.
KFOA	454.3	660	1000	Seattle, Wash.---Rhodes Company
KFOB	225.4	1330	50	Burlingame, Calif.---KFOB, Inc.
KFON	232.4	1290	500	Long Beach, Calif.---Nichols & Warner
KFOO	236	1270	250	Salt Lake City, Utah---Lat. Day Sts. Univ.
KFOR	226	1330	100	David City, Neb.---David City Tire & Elec. Co.
KFOT	231	1300	50	Wichita, Kans.---College Hill Radio Club
KFOX	248	1210	100	Omaha, Nebr.---Technical High School
KFOY	252	1190	50	St. Paul, Minn.---Beacon Radio Service
KFPL	252	1190	15	Dublin, Texas---C. C. Baxter
KFPM	242	1240	10	Greenville, Texas---New Furniture Co.
KFPR	231	1300	500	Los Angeles, Calif.---Forestry Department
KFPW	258	1160	20	Cartersville, Mo.---St. John's Church
KFPY	272.6	1100	250	Spokane, Wash.---Symonds Investment Co.
KFQA	261	1150	100	St. Louis, Mo.---The Principia
KFQB	508.2	590	1000	Ft. Worth, Tex.---Lone Star Brcdstg. Co.
KFQD	300	999	100	Anchorage, Alaska---Anchorage Radio Club
KFQP	224	1340	10	Iowa City, Iowa---G. S. Carson, Jr.
KFQU	230.6	1300	100	Holy City, Calif.---W. E. Riker
KFQW	215.7	1390	100	Seattle, Wash.---C. F. Knerim
KFQZ	226	1330	50	Hollywood, Calif.---Taft Products Co.
KFRB	248	1210	250	Beeville, Texas---Hall Bros.
KFRC	267.7	1120	50	San Francisco, Calif.---City of Paris
KFRU	499.7	600	500	Columbia, Mo.---Stephens College
KFRW	218.8	1370	50	Olympia, Wash.---West. Broadcasting Corp.
KFSD	245.8	1220	1000	San Diego, Calif.---Airfan Radio Corp.
KFSG	275.1	1090	500	Los Angeles, Calif.---Echo Pk. Evan. Assn.
KFUL	258	1160	50	Galveston, Texas---T. Googan & Bro.
KFUO	239.9	1250	100	Colorado Springs, Colo.---W. D. Corley
KFUP	545.1	550	500	St. Louis, Mo.---Concordia Theo. Seminary
KFUR	234	1280	50	Denver, Colo.---Fitzsimons Gen. Hospital
KFUS	224	1340	50	Ogden, Utah---Peery Building Co.
KFUT	263	1140	100	Salt Lake City, Utah---University of Utah
KFUV	220.4	1360	50	Oakland, Calif.---Colburn Radio Lab.
KFVD	205.4	1460	250	San Pedro, Calif.---C. & W. J. McWhinnie
KFVE	239.9	1250	5000	St. Louis, Mo.---Benson B'rdcasting Corp.
KFVG	236.1	1270	15	Independence, Kans.---First M. E. Church
KFVI	240	1250	10	Houston, Texas---56th Cavalry Brigade
KFVN	227	1320	50	Fairmont, Minn.---Carl E. Bagley
KFVR	244	1230	50	Denver, Colo.---Moonlight Ranch
KFVS	224	1340	50	Cape Girardeau, Mo.---Cape Gir. Bat. Sta.
KFVY	250	1200	10	Albuquerque, N. Mex.---Radio Supply Co.
KFWB	252	1190	500	Hollywood, Calif.---Warner Bros. Pic., Inc.
KFWC	291.9	1030	200	San Bernardino, Calif.---L. E. Wall
KFWF	214.2	1400	250	St. Louis, Mo.---St. Louis Truth Center
KFWH	254	1180	100	Eureka, Calif.---F. Wellington Morse, Jr.
KFWI	249.9	1200	500	San Francisco, Calif.---Radio Entertainments, Inc.
KFWM	315.6	950	250	Oakland, Calif.---Oakland Educational Soc.
KFWO	211.1	1420	500	Avalon, Calif.---Lawrence Mott
KFWU	238	1260	100	Pineville, La.---Louisiana College
KFWV	212.6	1410	100	Portland, Ore.---KFWV Broadcast Studios
KFXB	202.6	1480	500	Big Bear Lake, Calif.---Bertram O. Heller
KFXD	205.4	1460	10	Logan, Utah---Service Radio Co.
KFXF	430.1	697	1000	Denver, Colo.---Pikes Peak Brcdstg. Co.
KFXH	242	1240	50	El Paso, Texas---Bledsoe Radio Co.
KFXJ	215.7	1390	15	Edgewater, Colo.---R. G. Howell
KFXR	214.2	1400	15	Oklahoma City, Okla.---Classen Film Fin. Co.
KFYF	205.4	1460	50	Flagstaff, Ariz.---Mary M. Costigan
KFYF	214.2	1400	15	Oxnard, Calif.---Carl's Radio Den
KFYJ	238	1260	10	Houston, Tex. (Port.)---Houston Chronicle
KFYO	209.7	1430	10	Texasarkana, Texas---Buchanan Vaughn Co.
KFYR	248	1210	10	Bismarck, N. Dak.---Hoskins Meyer, Inc.
KGAR	243.8	1230	100	Tucson, Ariz.---Tucson Citizen
KGBS	227	1321	10	Tucson, Ariz.---A. C. Dailey
KGBU	228.9	1310	500	Ketchikan, Alaska---Alaska Radio Serv. Co.
KGBX	282.8	1060	250	Joplin, Mo.---Martin Brotherson
KGBY	347.8	862	30	St. Joseph, Mo.---Foster Hall Co.
KGZ	202.6	1480	15	Shelby, Nebr.---A. C. Dunning
KGCB	333.1	900	100	York, Nebr.---Fed. Live Stock Remedy Co.
KGCA	280.2	1070	20	Decorah, Iowa---C. W. Greenley
KGCB	331	906	50	Oklahoma City, Okla.---Wallace Radio Inst.
KGCG	239.9	1250	100	Newark, Ark.---Moore Motor Co.
KGCH	434.5	690	500	Wayne, Nebr.---Wayne Hospital
KGCI	239.9	1250	100	San Antonio, Texas---S. M. Rhodes
KGCL	230.6	1300	10	Seattle, Wash.---Louis Wasmer
KGCM	263	1140	10	San Antonio, Texas---R. B. Bridge

Station	Meters	K. C. Watts	Location and Owner	Station	Meters	K. C. Watts	Location and Owner
KGCN	210	1428	Concordia, Kans.	KPPC	229	1310	Pasadena, Calif.
KGCR	252	1190	Brookings, S. D.	KPRC	296.9	1010	Houston, Texas
KGCC	240	1249	Vida, Mont.	KPSN	315.6	950	Pasadena, Calif.
KGDA	254.1	1180	Dell Rapids, S. D.	KQV	275	1090	Pittsburgh, Pa.
KGDE	232.4	1290	Barrett, Minn.	KQW	333.1	900	San Jose, Calif.
KGDI	416.4	720	Seattle, Wash.	KRAC	220	1363	Shreveport, La.
KGDJ	202.6	1480	Cresco, Iowa	KRE	256	1170	Berkeley, Calif.
KGDM	211.1	1420	Kansas City, Mo.	KRLD	357.1	839.6	Dallas, Texas
KGO	361.2	830	Oakland, Calif.	KRSC	499.7	600	Seattle, Wash.
KGRS	234	1280	Amarillo, Texas	KSAC	340.7	880	Manhattan, Kans.
KGTT	206.8	1450	San Francisco, Calif.	KSBA	312.6	959	Kennerwood, La.
			Tabernacle.	KSD	545.1	550	St. Louis, Mo.
KGU	270	1110	Honolulu, Hawaii	KSEI	260.7	1150	Pocatello, Idaho
KGW	491.5	610	Portland, Ore.	KSL	299.8	1000	Salt Lake City, Utah
KGW	277.6	1080	Lacey, Wash.	KSMR	282.8	1060	Santa Maria, Calif.
KHJ	405.2	740	Los Angeles, Calif.	KSO	405.2	740	Clarinda, Iowa
KHQ	394.5	760	Spokane, Wash.	KSOO	360	832.8	Sioux Falls, S. D.
KICK	272.6	1100	Anita, Iowa	KTAB	302.8	990	Oakland, Calif.
KJBS	234.2	1280	San Francisco, Cal.	KTBI	293.9	1020	Los Angeles, Cal.
KJR	384.4	780	Seattle, Wash.	KTBR	263	1140	Portland, Ore.
KLDS	440.9	680	Independence, Mo.	KTHS	374.8	800	Hot Springs, Ark.
			of Jesus Christ of Latter Day Saints.	KTNT	333.1	900	Muscateine, Iowa
KLS	250	1200	Oakland, Calif.	KTW	263	1140	Houston, Texas
KLX	508.2	590	Oakland, Calif.	KUOA	299.8	1000	Seattle, Wash.
KLZ	265.3	1130	Denver, Colo.	KUOM	243.8	1230	Fayetteville, Ark.
KMA	461.3	650	Shenandoah, Ia.	KUSD	278	1080	Missoula, Mont.
KMJ	234.2	1280	Fresno, Calif.	KUT	231	1300	Vermilion, S. Dak.
KMMJ	228.9	1310	Clay Center, Nebr.	KVOO	374.8	800	Austin, Texas
KMO	249.9	1200	Tacoma, Wash.	KWCR	296	1013	Bristow, Okla.
KMOX	280.2	1070	St. Louis, Mo.	KWG	248	1210	Cedar Rapids, Iowa
KMTR	370.2	810	Los Angeles, Calif.	KWKC	236	1270	Stockton, Cal.
KNRC	238	1230	Santa Monica, Calif.	KWKH	312.3	960	Kansas City, Mo.
KNX	336.9	890	Los Angeles, Calif.				Shreveport, La.
KOA	322.4	930	Denver, Colo.				& S. Co.
KOAC	280.2	1070	Corvallis, Ore.	KWSC	348.6	860	Pullman, Wash.
KOB	348.6	860	State College, N. M.	KWTC	260.7	1150	Santa Ana, Calif.
			College of Agri. & Mech. Arts.	KWUC	252	1190	Lemars, Iowa
KOCH	258	1160	Omaha, Nebr.	KWWG	278	1080	Brownsville, Texas
KOCW	252	1190	Chickasha, Okla.	KXRO	240	1249	Seattle, Wash.
KOIL	305.9	980	Council Bluffs, Iowa	KYW	535.4	560	Chicago, Ill.
KOIN	319	940	Portland, Ore.	KZKZ	270	1110	Manila, P. I.
KOMO	305.9	980	Seattle, Wash.	KZM	240	1250	Oakland, Calif.
KOWW	285	1052	Walla Walla, Wash.	KZRG	222	1350	Manila, P. I.
KPJM	215	1395	Prescott, Ariz.	NAA	435	680	Arlington, Va.
KPO	428.3	700	San Francisco, Calif.	WAAD	258	1160	Cincinnati, Ohio
			Hale Brothers				Ohio Mech. Institute

Station	Meters	K. C.	Watts	Location and Owner	Station	Meters	K. C.	Watts	Location and Owner
WAAF	277.6	1080	250	Chicago, Ill.	WBES	222	1350	100	Takoma Park, Md. Bliss Electrical School
WAAM	263	1140	500	Newark, N. J.	WBMS	223.7	1340	10	North Bergen, N. J. G. T. Schowerer
WAAT	235	1276	10	Jersey City, N. J.	WBNY	322.4	930	750	New York, N. Y. Baruchrome Corp.
WAAT	384.4	780	500	Omaha, Nebr.	WBOQ	236	1270	100	Richmond Hill, N. Y. A. H. Grebe & Co.
WABB	204	1470	10	Harrisburg, Pa.	WBRC	247.8	1210	250	Birmingham, Ala. Birmingham Broadcasting Corp.
WABC	254	1180	20	Asheville, N. C.	WBRE	231	1300	100	Wilkes-Barre, Pa. Baltimore Radio Ex.
WABI	240	1250	100	Bangor, Maine	WBRL	365	821	500	Tilton, N. H. Booth Radio Labs.
WABO	278	1080	100	Rochester, N. Y.	WBRS	394	761	100	Brooklyn, N. Y. Universal Radio Mfg. Co.
WABQ	261	1150	100	Haverford, Pa.	WBT	275	1090	250	Charlotte, N. C. Charlotte Cham. of Com.
WABR	263	1140	50	Toledo, Ohio	WBTZ	333.1	900	5000	Springfield, Mass. Westinghse. E. & M. Co.
WABW	206.8	1450	50	Wooster, Ohio	WBZA	333.1	900	500	Boston, Mass. Westinghouse E. & M. Co.
WABX	246	1220	500	Mt. Clemens, Mich.	WCAC	275	1090	500	Mansfield, Conn. Agricultural College
WABY	242	1240	50	Philadelphia, Pa.	WCAD	263	1140	250	Canton, N. Y. St. Lawrence University
WABZ	275.1	1090	50	New Orleans, La.	WCAE	461.3	650	500	Pittsburgh, Pa. Kaufman & Baer
WADC	258	1160	500	Akron, Ohio	WCAH	265.3	1130	500	Columbus, Ohio. Entekin Elec. Co.
WAFD	275	1090	500	Port Huron, Mich.	WCAJ	254	1180	500	Univ. Place, Neb. Nebr. Wesleyan Univ.
WAGM	225.4	1330	50	Royal Oak, Mich.	WCAL	336.9	890	500	Northfield, Minn. St. Olaf College
WAGS	250	1199	5	Somerville, Mass.	WCAM	336.9	890	250	Camden, N. J. City of Camden
WAHG	315.6	950	5000	Richmond Hill, N. Y.	WCAO	275	1090	100	Baltimore, Md. Monumental Radio, Inc.
WAHT	229	1310	10	Taunton, Mass.	WCAR	263	1140	500	San Antonio, Texas. Southern Rad. Corp.
WAIU	293.9	1020	500	Columbus, Ohio	WCAT	240	1250	50	Rapid City, S. D. School of Mines
WAMD	243.8	1230	500	Minneapolis, Minn.	WCAU	278	1080	500	Phila., Pa. Universal Broadcasting Co.
WAPI	461.3	650	1000	Auburn, Ala.	WCAX	250	1200	100	Burlington, Vt. University of Vermont
WARC	261	1150	100	Medford Hillside, Mass.	WCAY	245.8	1220	50	Carthage, Ill. Carthage College
WARO	295	1016	500	Brooklyn, N. Y.	WCBE	263	1140	5	Zion, Ill. W. G. Voliva
WASH	256.3	1170	500	Grand Rapids, Mich.	WCBH	242	1240	50	New Orleans, La. Uhalt Radio Co.
WATT	243.8	1230	100	and Cleaners.	WCBM	229	1310	50	Oxford, Miss. University of Mississippi
WBAA	273	1100	250	(Portable) Mass.	WCBR	209.7	1430	100	Baltimore, Md. Hotel Chateau (Portable)
WBAK	275	1090	500	West Lafayette, Ind.	WCBS	242	1239	250	(Portable) C. H. Messter
WBAL	245.8	1220	1000	Harrisburg, Pa.	WCCO	416.4	720	5000	Minneapolis-St. Paul, Minn. Gold Medal Station.
WBAL	270.1	1110	100	Baltimore, Md.	WCFL	491.5	610	1000	Chicago, Ill. Federation of Labor
WBAP	475.9	630	10000	Decatur, Ill.	WCFT	252	1190	10	Tallahoma, Tenn. Knights of Pythias
WBAP	475.9	630	10000	Fort Worth, Texas	WCGU	350.6	855	500	Lakewood, N. J. Chas. G. Unger
WBAP	475.9	630	10000	Fort Worth, Texas	WCLO	231	1300	50	Camp Lake, Wis. C. E. Whitmore
WBAP	475.9	630	10000	Fort Worth, Texas	WCLS	214.2	1400	150	Joliet, Ill. WCLS, Inc.
WBAP	475.9	630	10000	Fort Worth, Texas	WCMA	258.5	1160	500	Culver, Ind. Culver Military Academy
WBAP	475.9	630	10000	Fort Worth, Texas	WCMA	222.1	1350	500	Pensacola, Fla. City of Pensacola
WBAP	475.9	630	10000	Fort Worth, Texas	WCRW	416.4	720	50	Chicago, Ill. C. R. White
WBAP	475.9	630	10000	Fort Worth, Texas	WCRW	416.4	720	50	Chicago, Ill. C. R. White
WBAP	475.9	630	10000	Fort Worth, Texas	WCWH	499.7	600	500	Portland, Maine H. P. Hines
WBAP	475.9	630	10000	Fort Worth, Texas	WCWO	248	1210	100	Springfield, Ohio Wittenberg College
WBAP	475.9	630	10000	Fort Worth, Texas	WCWK	234.2	1280	250	Ft. Wayne, Ind. Chester W. Keen

Station	Meters	K. C.	Watts	Location and Owner	Station	Meters	K. C.	Watts	Location and *Owner
WCWS	209.7	1430	100	(Portable), Mass.-----C. W. Selen	WEW	360	833	1000	St. Louis, Mo.-----St. Louis University
WCX	516.9	580	5000	Pontiac, Mich.-----Detroit Free Press and Jewett Radio and Phonograph Co.	WFAA	475.9	630	500	Dallas, Texas.-----Dallas News & Journal
WDAD	226	1330	150	Nashville, Tenn.-----Dad's Auto Acces, Inc.	WFAM	273	1100	10	St. Cloud, Minn.-----The Times
WDAE	273	1100	250	Tampa, Fla.-----Tampa Daily Times	WFAV	275	1090	500	Lincoln, Nebr.-----University of Nebr.
WDAF	365.6	820	1000	Kansas City, Mo.-----Kansas City Star	WFBC	250	1200	50	Knoxville, Tenn.-----First Baptist Church
WDAG	263	1140	100	Amarillo, Texas.-----J. L. Martin	WFBE	232.4	1290	500	Cincinnati, Ohio.-----Garfield Place Hotel Co.
WDAH	267.7	1120	50	El Paso, Texas.-----Trinity Methodist Ch.	WFBG	278	1080	100	Altoona, Pa.-----W. F. Gable Co.
WDAY	260.7	1150	50	Fargo, N. Dak.-----Radio Equipment Corp.	WFBJ	236	1270	100	Collegeville, Minn.-----St. John's University
WDBE	270	1110	100	Atlanta, Ga.-----Gilham-Schoen Elec. Co.	WFBL	252	1190	100	Syracuse, N. Y.-----Onondaga Hotel
WDBJ	228.9	1310	50	Roanoke, Va.-----Richardson Wayl'nd El. Co.	WFBM	268	1120	250	Indianapolis, Ind.-----Merchants Lighting Co.
WDBK	227	1320	100	Cleveland, Ohio.-----M. F. Broz	WFBZ	254	1180	20	Baltimore, Md.-----Maryland Nat'l Guard
WDBO	240	1250	500	Winter Park, Fla.-----Rollins College	WFCI	229	1309	100	Galesburg, Ill.-----Knox College
WDBZ	233	1290	10	Kingston, N. Y.-----Kingston Radio Club	WFDF	234	1280	100	Pawtucket, R. I.-----Frank Crook, Inc.
WDEL	266	1130	100	Wilmington, Del.-----Wilmington Elec. Spec. Co.	WFI	394.5	760	500	Flint, Mich.-----F. D. Fallain
WDGY	263	1140	500	Minneapolis, Minn.-----Dr. Geo. W. Young	WFKB	217.3	1380	500	Philadelphia, Pa.-----Strawbridge & Clothier
WDOD	256	1170	500	Chattanooga, Tenn.-----Chattanooga Ra. Co.	WFRL	329.5	910	100	Chicago, Ill.-----F. K. Bridgman
WDRC	268	1120	500	New Haven, Conn.-----Doolittle Radio Corp.	WGAL	248	1210	10	Brooklyn, N. Y.-----Flatbush Radio Labs.
WDWF	440.9	680	500	Cranston, R. I.-----D. W. Flint	WGAB	243.8	1230	150	Lancaster, Pa.-----Lancaster Elec. Sup. Co.
WDXL	269.9	1010	250	Detroit, Mich.-----DXL Radio Corp.	WGBC	278	1080	10	Freeport, N. Y.-----H. H. Carman
WDZ	278	1080	100	Tuscola, Ill.-----J. L. Bush	WGBF	236.1	1270	500	Memphis, Tenn.-----First Baptist Church
WEAF	491.5	610	5000	New York, N. Y.-----Nat'l Broadcasting Co.	WGBI	239.9	1250	10	Evansville, Ind.-----The Finke Furniture Co.
WEAI	254	1180	500	Ithaca, N. Y.-----Cornell University	WGBR	228.9	1310	15	Scranton, Pa.-----Scranton Brdcasters, Inc.
WEAM	261	1150	250	N. Plainfield, N. J.-----Borough of North Plainfield	WGBS	315.6	950	500	Marshfield, Wis.-----G. S. Ives
WEAN	367	817	500	Providence, R. I.-----Shepard Co.	WGBU	278	1080	500	New York, N. Y.-----Gimble Bros.
WEAO	293.9	1020	1000	Columbus, Ohio.-----Ohio State University	WGBX	234.2	1280	500	Fulford-By-The-Sea, Fla.-----Florida Cities
WEAR	389.4	770	750	Cleveland, Ohio.-----Willard Stor. Bat. Co.	WGCP	252	1190	500	Orono, Maine.-----University of Maine
WEAU	275	1090	100	Sioux City, Iowa.-----Davidson Bros. Co.	WGES	315.6	950	1000	Newark, N. J.-----D. W. May, Inc.
WEBC	242	1240	100	Superior, Wis.-----W. C. Bridges	WGHB	266	1130	500	Chicago, Ill.-----Oak Leaves Brdctng. Corp.
WEBH	370.2	810	2000	Chicago, Ill.-----Edgewater Beach Hotel	WGHP	270	1110	1500	Clearwater, Fla.-----Ft. Harrison Hotel
WEBJ	273	1100	500	New York, N. Y.-----Third Ave. R. R. Co.	WGMU	236	1270	100	Detroit, Mich.-----C. H. Phelps, Inc.
WEBL	226	1330	100	(Portable)-----Radio Corp. of America	WGN	302.8	990	1500	Jeanette, Pa.-----Verne and Elton Spencer
WEBQ	226	1330	10	Harrisburg, Ill.-----Tate Radio Co.	WGR	319	940	750	Richmond, Hill, N. Y.-----A. H. Grebe & Co.
WEBR	244	1230	100	Buffalo, N. Y.-----H. H. Howell	WGST	270	1110	500	Chicago, Ill.-----The Tribune
WEBW	267.7	1120	750	Beloit, Wis.-----Beloit College	WGWB	384.4	780	1000	Buffalo, N. Y.-----Federal Tel. Mfg. Co.
WEBZ	263	1140	50	Savannah, Ga.-----Savannah Radio Corp.	WGY	379.5	790	5000	Atlanta, Ga.-----Ga. School of Tech.
WEDC	422.3	710	1000	Chicago, Ill.-----Emil Denmark	WHY	535.4	560	750	Milwaukee, Wis.-----University of Wisconsin
WEI	348.6	860	500	Boston, Mass.-----Edison Elec. Illum. Co.	WHAD	275	1090	500	Madison, Wis.-----Marquette University
WEHS	202.6	1480	10	Chicago, Ill.-----O. G. Fordham	WHAM	278	1080	100	Rochester, N. Y.-----Eastm'n School of Music
WEMC	315.6	950	1400	Berrien Spgs., Mich.-----Emm. Missionary College.	WHAP	431	696	1000	New York.-----Wm. H. Taylor Fin. Corp.
WENR	266	1130	1000	Chicago, Ill.-----All-American Radio Corp.	WHAR	275	1090	1000	Atlantic City, N. J.-----F. P. Cook's Sons
WEPS	295	1016	100	Gloucester, Mass.-----R. G. Matheson	WHAS	399.8	750	500	Louisville Ky.-----The Courier Journal- Times.

Station	Meters	K. C. Watts	Location and Owner
WKBM	215.7	1390	25 Newburgh, N. Y.-----J. W. Jones
WKBN	360	833	50 Youngstown, Ohio. Rad. Elec. Service Co.
WKBO	309.1	970	200 Jersey City, N. J.-----Camith Corp.
WKBP	265	1131	50 Battle Creek, Mich.-----The Inquirer
WKBQ	285	1052	10 New York, N. Y.-----Starlight Amusement Park.
WKBR	225	1333	100 Auburn, N. Y.-----C. J. Heiser
WKBS	361.2	830	200 Galesburg, Ill.-----P. N. Nelson
WKBT	252	1190	50 New Orleans, La.-----First Baptist Church
WKBV	236.1	1270	75 Brookville, Ind.-----Knox Battery Co.
WKBW	362.5	827	1000 Buffalo, N. Y.-----Churchill Evangel. Assn.
WKBY	220	1363	50 (Portable)-----Fernwood Quick
WKBZ	256.3	1170	15 Ludington, Mich.-----K. L. Ashbacher
WKDR	428.3	700	10 Kenosha, Wis.-----E. A. Dato
WKJC	258.5	1160	50 Lancaster, Pa.-----Kirk Johnson & Co.
WKRC	422.3	710	1000 Cincinnati, Ohio.-----Kodel Radio Corp.
WKY	275	1090	100 Oklahoma City, Okla.-----E. C. Hull & H. S. Richards.
WLAC	226	1330	150 Nashville, Tenn.-----Life & Casualty Ins. Co.
WLAL	250	1200	100 Tulsa, Okla.-----First Christian Church
WLAP	278	1090	20 Louisville, Ky.-----W. V. Jordan
WLB	275	1080	500 Minneapolis, Minn.-----University of Minn.
WLCB	223.7	1340	50 Muncie, Ind.-----D. A. Burton
WLBE	230.6	1300	15 Brooklyn, N. Y.-----J. H. Fruitman
WLBK	211.1	1420	25 Kansas City, Mo.-----E. L. Dillard
WLBL	278	1080	500 Stevens Pt., Wis.-----Wis. Dept. of Markets
WLIB	302.8	990	10000 Elgin-Chicago, Ill.-----Liberty Weekly, Inc.
WLIT	394.5	760	500 Philadelphia, Pa.-----Lit Brothers
WLS	344.6	870	5000 Chicago-Crete, Ill.-----Sears, Roebuck Co.
WLSI	440.9	680	500 Providence, R. I.-----Lincoln Studios, Inc.
WLTS	258	1160	100 Chicago, Ill.-----Lane Technical High School
WLW	422.3	710	5000 Cincinnati, Ohio.-----Crosley Radio Corp.
WLWL	384.4	780	5000 New York, N. Y.-----Paulist Fathers
WMAC	275	1090	100 Cazenovia, N. Y.-----C. B. Meredith
WMAF	440.9	680	1000 Dartmouth, Mass.-----R'nd Hills Rad. Corp.
WMAK	266	1130	1000 Lockport, N. Y.-----Norton Laboratory
WMAJ	293.9	1020	100 Washington, D. C.-----Heskitt Radio Station
WMAQ	278	1080	50 Columbus, Ohio.-----Chicago Daily News
WMAQ	447.5	670	1000 Chicago, Ill.-----Chicago Daily News
WMAY	248	1210	100 St. Louis, Mo.-----Kings Highway Pres. Ch.
WMAZ	261	1150	500 Macon, Ga.-----Mercer University
WMBB	250	1200	500 Chicago, Ill.-----Am. Bond & Mortgage Co.
WMBG	256	1170	100 Detroit, Mich.-----Michigan Brdcasting. Co.
WMBF	384.4	780	500 Miami Beach, Fla.-----Fleetwood Hotel
WMBI	288.3	1040	500 Chicago, Ill.-----Moody Bible Institute
WMC	499.7	600	500 Memphis, Tenn.-----The Commercial Appeal
WMCA	340.7	880	500 Hoboken, N. J.-----Hotel McAlpine
WMRJ	227.1	1320	5 Jamaica, N. Y.-----P. J. Prinz
WMSG	302.8	990	500 New York, N. Y.-----Radio Eng. Corp.
WNAB	280.2	1070	100 Boston, Mass.-----Shepard Stores
WNAC	430.1	697	500 Boston, Mass.-----Shepard Stores
WNAD	254	1180	500 Norman, Okla.-----University of Oklahoma
WNAL	258	1160	500 Omaha, Nebr.-----Omaha Cen. High School
WNAT	250	1200	100 Philadelphia, Pa.-----Lenning Bros. Co.
WNAX	244	1230	100 Yankton, S. D.-----Dakota Radio App. Co.
WNBH	247.8	1210	250 New Bedford, Mass.-----New Bedford Hotel
WNJ	350	856.6	500 Newark, N. J.-----H. Lubinsky
WNOX	267.7	1120	5000 Knoxville, Tenn.-----Peoples Tel. and T. Co.
WNRC	224	1340	10 Greensboro, N. C.-----W. M. Nelson
WNYC	526	570	1000 New York, N. Y.-----Municipal Station
WOAI	394.5	760	5000 San Antonio, Texas.-----S. E. Equipment Co.
WOAN	282.8	1060	500 Lawrenceburg, Tenn.-----Vaughan Con. of Music.
WOAW	526	570	1000 Omaha, Nebr.-----Woodmen of the World
WOAX	240	1250	500 Trenton, N. J.-----F. J. Wolff
WOBB	555.2	540	5 Chicago, Ill.-----Longacre Eng. & Con. Co.
WOC	483.6	620	5000 Davenport, Iowa.-----Palmer School of Chiro.
WOCB	293.7	1021	50 Orlando, Fla.-----Orlando Brdcasting. Corp.
WOCL	275.1	1090	25 Jamestown, N. Y.-----A. E. Newton
WODA	390.9	767	250 Paterson, N. J.-----O'Dea Radio & Victrola Shop.
WOI	270	1110	750 Ames, Iowa.-----Iowa State College
WOK	217.3	1380	5000 Homewood, Ill.-----Neutrowound Radio Mfg. Co.
WOKO	233	1290	50 New York, N. Y.-----Otto Baur
WOMT	254.1	1180	50 Manitowoc, Wis.-----Mikadow Theatre
WOO	508.2	590	500 Philadelphia, Pa.-----John Wanamaker
WOOD	241.8	1240	500 Grand Rapids, Mich.-----Grand Rapids Radio Co.
WOQ	278	1080	1000 Kansas City, Mo.-----Unity Sch. of Christ.
WOR	405.2	740	500 Newark, N. J.-----L. Bamberger & Co.
WORD	275	1090	5000 Batavia, Ill.-----People's Pulpit Assn.
WOS	440.9	680	500 Jefferson City, Mo.-----Mo. State Mrkg. Bur.
WOWO	227	1320	500 Ft. Wayne, Ind.-----Main Auto Supply Co.
WPAK	275	1090	50 Agri. College, N. D.-----N. D. Agri. College
WPAP	361.2	830	500 Cliffside, N. J.-----Palisades Amusement Pk.
WPCC	258	1160	500 Chicago, Ill.-----N. Shore Cong. Church
WPCH	273	1100	500 New York, N. Y.-----Concourse Radio Corp.
WPDQ	205.4	1460	250 Buffalo, N. Y.-----H. L. Turner
WPG	299.8	1000	5000 Atlantic City, N. J.-----Municipality of Atlantic City.

Station	Meters	K. C. Watts	Location and Owner
WHAZ	379.5	790	Troy, N. Y.---Rensselaer Polytechnic Inst.
WHB	365.6	820	Kansas City, Mo.---Sweeney School Co.
WHBA	250	1200	Oil City, Pa.---Shaffer Music House
WHBC	254	1180	Canton, Ohio.---Rev. E. P. Graham
WHBD	222.1	1350	Bellefontaine, Ohio.---Cham. of Commerce
WHBF	222.1	1350	Rock Island, Ill.---Beardsley Spec. Co.
WHBG	231	1300	Harrisburg, Pa.---John S. Skane
WHBL	215.7	1390	(Portable), Ill.---C. L. Carroll
WHBM	215.7	1390	Chicago, Ill. (Portable)---C. L. Carroll
WHBN	238	1260	St. Petersburg, Fla.---First Ave. Meth. Ch.
WHBP	256	1170	Johnstown, Pa.---Johnstown Auto Co.
WHBQ	233	1290	Memphis, Tenn.---St. John's M. E. Church
WHBU	218.8	1370	Anderson, Ind.---Riviera Theatre
WHBW	215.7	1390	Philadelphia, Pa.---D. R. Kienzle
WHBY	249.9	1200	West De Pere, Wis.---St. Norbert's College
WHDI	278	1080	Minneapolis, Minn.---Wm. Hood Dunwoody Ind. Inst.
WHEC	258	1160	Rochester, N. Y.---Hickson Elec. Co.
WHFC	258.5	1160	Chicago, Ill.---Hotel Flanders
WHK	272.6	1100	Cleveland, Ohio.---Radio Air Service Corp.
WHN	361.2	830	New York, N. Y.---George Schabel
WHO	526	570	Des Moines, Iowa.---Bankers Life Co.
WHOG	241.8	1240	Huntington, Ind.---Huntington Broadcasting Co.
WHT	238	1260	Deerfield, Ill.---Radiophone Broadcasting Corp.
WIAD	250	1200	Philadelphia, Pa.---H. R. Miller
WIAS	254	1180	Burlington, Iowa.---Home Elec. Co.
WIBA	236	1270	Madison, Wis.---Capital Times
WIBG	222	1350	Elkins Park, Pa.---St. Paul's P. E. Church
WIBH	209.7	1430	New Bedford, Mass.---Elite Radio Stores
WIBI	218.8	1370	Flushing, L. I.---F. B. Gittel, Jr.
WIBJ	215.7	1390	Chicago, Ill.---C. L. Carrell
WIBM	215.7	1390	Chicago, Ill.---Billy Maine
WIBO	226	1330	Chicago, Ill.---Nelson Brothers
WIBR	246	1220	Weirton, W. Va.---Thurman A. Owings
WIBS	202.6	1480	Elizabeth, N. J.---Lt. Thos. F. Hunter
WIBU	222	1350	Poynette, Wis.---The Elec. Farm
WIBV	220	1360	Logansport, Ind.---Dr. L. L. Dill
WIBX	234.2	1280	Utica, N. Y.---WIBX, Inc.
WIBZ	230.6	1300	Montgomery, Ala.---A. D. Trum
WICC	285	1052	Bridgeport, Conn.---Bridgeport Broadcasting Co.
WIL	258	1162	St. Louis, Mo.---St. Louis Star
WIOD	247.8	1210	Miami, Fla.---Carl G. Fisher Co.
Station	Meters	K. C. Watts	Location and Owner
WIP	508.2	590	Philadelphia, Pa.---Gimble Bros.
WJAD	352.7	850	Waco, Texas.---Jackson's Radio Elec. Co.
WJAF	407	737	Ferndale, Mich.---Fernberg Radio Co.
WJAG	270	1110	Norfolk, Nebr.---Norfolk Daily News
WJAK	254.1	1180	Kokomo, Ind.---Kokomo Tribune
WJAM	268	1120	Cedar Rapids, Iowa.---D. M. Perham
WJAR	305.9	980	Providence, R. I.---The Outlet Co.
WJAS	275	1090	Pittsburgh, Pa.---Pittsburgh Rad. Sup. Hse.
WJAX	336.9	890	Jacksonville, Fla.---City of Jacksonville
WJAZ	329.5	910	Mt. Prospect, Ill.---Zenith Radio Corp.
WJBA	206.8	1450	Joliet, Ill.---D. H. Lentz, Jr.
WJBB	254.1	1180	St. Petersburg, Fla.---Financial Journal
WJBC	234	1280	La Salle, Ill.---Hummer Furniture Co.
WJBI	218.8	1370	Red Bank, N. J.---Robert S. Johnson
WJBK	233	1290	Ypsilanti, Mich.---Ernest F. Goodwin
WJBL	270	1110	Decatur, Ill.---Wm. Grishard Dry Goods Co.
WJBO	267.7	1120	New Orleans, La.---V. Jensen
WJBR	227.1	1320	Omro, Wis.---Omro Drug Store
WJBT	468.5	640	Chicago, Ill.---John S. Boyd
WJBU	211.1	1420	Lewisburg, Pa.---Bucknell University
WJBW	270.1	1110	Woodhaven, N. Y.---Union Course Lab.
WJBW	270.1	1110	New Orleans, La.---C. Carlson, Jr.
WJBX	280	1071	Osterville, Mass.---Henderson and Ross
WJBY	260	1153	Gadsden, Ala.---Electrical Const'n. Co.
WJJD	370.2	810	Mooseheart, Ill.---Loyal Order of Moose
WJR	516.9	580	Pontiac, Mich.---Detroit Free Press and Jewett Radio and Phonograph Co.
WJUG	516.9	580	New York, N. Y.---U. B. Ross
WJY	405.2	740	New York, N. Y.---Radio Corp. of America
WJZ	454.3	660	New York-Boundbrook---Radio Corp. of America.
WKAF	261	1150	Milwaukee, Wis.---WKAF Brdcasting. Co.
WKAQ	340.7	880	San Juan, P. R.---Rad. Corp. of Porto Rico
WKAR	285.5	1050	Lansing, Mich.---Mich. Agri. College
WKAV	224	1340	Laconia, N. H.---Laconia Radio Club
WKBA	209.7	1430	Chicago, Ill.---Arrow Battery Co.
WKBB	282.8	1060	Joliet, Ill.---Sanders Bros.
WKBC	225	1333	Birmingham, Ala.---H. Lansley
WKBE	270.1	1110	Webster, Mass.---K. & B. Electric Co.
WKBF	244	1229	Indianapolis, Ind.---N. B. Watson
WKRK	215.7	1390	Chicago, Ill.---C. L. Carrell
WKBH	249.9	1200	La Crosse, Wis.---Callaway Music Co.
WKBI	220.4	1360	Chicago, Ill.---F. L. Schoenwoff
WKBK	280	1071	St. Petersburg, Fla.---Gospel Tabernacle
WKBK	252	1190	Monroe, Mich.---Monrona, Radio Mfg. Co.

Station	K. C. Meters	Watts	Location and Owner
WPRC	215.7	1390	Harrisburg, Pa.--Wilson Ptg. & Rad. Co.
WPSC	261	1150	State College, Pa.--Penn State College
WQAA	220	1360	Parkersburg, Pa.--H. A. Beale, Jr.
WQAE	246	1220	Springfield, Vt.--Moore Radio News Sta.
WQAM	285.5	1050	Miami, Fla.--Electric Equipment Co.
WQAN	250	1200	Scranton, Pa.--The Scranton Times
WQAO	361.2	830	New York, N. Y.--Calvary Baptist Church
WQJ	447.5	670	Chicago, Ill.--Calumet Rainbo Brdcstg. Co.
WRAF	224	1340	Laporte, Ind.--Radio Club, Inc.
WRAH	235	1276	Providence, R. I.--S. N. Read
WRAC	256	1170	Escanaba, Mich.--Economy Light Co.
WRAM	244	1230	Galesburg, Ill.--Lombard College
WRAY	263	1140	Yellow Springs, Ohio--Antioch College
WRAX	268	1260	Reading, Pa.--Avenue Radio Shop
WRBC	278	1080	Gloucester City, N. J.--Faxon's Garage
WRC	468.5	640	Washington, D. C.--Rad. Corp. of Amer.
WRCO	252	1190	Raleigh, N. C.--Wynne Radio Co.
WREC	254	1180	Coldwater, Miss.--Wooten's Radio Shop
WREO	285.5	1050	Lansing, Mich.--Reo Motor Co.
WRES	300	999	Wollaston, Mass.--H. L. Sawyer
WRHF	256	1170	Washington, D. C.--Wash. Rad. Hos. Fund
WRHM	252	1190	Minneapolis, Minn.--Rosedale Hospital
WRK	270	1110	Hamilton, Ohio--Doron Bros. Elec. Co.
WRM	273	1100	Urbana, Ill.--University of Illinois
WRMU	236	1270	Motor Yacht 'MU-1'--A. H. Grebe, Inc.
WRNY	373.8	802	New York, N. Y.--Experimenter Pub. Co.
WRR	246	1220	Dallas, Texas--City of Dallas
WRST	215.7	1390	Bay Shore, N. Y.--Radiotel Mfg. Co.
WRVA	256	1170	Richmond, Va.--Laruss & Bros. Co.
WSAI	325.9	920	Cincinnati, Ohio--U. S. Playing Card Co.
WSAJ	229	1310	Grove City, Pa.--Grove City College
WSAN	229	1310	Allentown, Pa.--Allentown Call
WSAR	254.1	1180	Fall River, Mass.--Doughty & Welch Elec. Co.
WSAV	247.8	1210	Houston, Texas--C. W. Vick
WSAX	268	1120	Chicago, Ill.--Zenith Radio Corp.
WSAZ	244	1230	Pomeroy, Ohio--Chase Electric Shop
WSB	428.3	700	Atlanta, Ga.--The Atlanta Journal
WSBC	288.3	1040	Chicago, Ill.--World Battery Co.
WSBF	273	1100	St. Louis, Mo.--Stix Baer and Fuller
WSBT	315	951.8	South Bend, Ind.--South Bend Tribune
WSDA	263	1140	New York, N. Y.--Seventh Day Adv. Ch.
WSKC	261	1150	Bay City, Mich.--World's Star Knitting Co.
WSM	282.8	1060	Nashville, Tenn. Nat'l Life and Accident Ins. Co.

CANADIAN BROADCASTING STATIONS

Station	Meters	K. C. Watts	Location and Owner
CFAC	434.5	690	Calgary, Alberta--The Calgary Herald
CFCA	356.9	840	Toronto, Ont.--Star Publishing & Ptg. Co.
CFCF	410.7	730	Montreal, Quebec--Canadian Marconi Co.
CFCH	499.7	600	Iroquois Falls, Ont.--Abitibi Power & Paper Co.
CFCK	516.9	580	Edmonton, Alberta--Radio Supply Co.
CFCN	434.5	690	Calgary, Alberta--W. W. Grant, Ltd.
CFCL	410.7	730	Vancouver, B. C.--Sprott Shaw Radio Co.
CFCT	329.5	910	Victoria, B. C.--George W. Deaville
CFCU	340.7	880	Hamilton, Ont.--Jack V. Elliot, Ltd.
CFCY	312.3	960	Charlottetown, P. E. I.--The Isl. Rad. Co.
CFDC	410.7	730	Vancouver, B. C.--West. Auto Elec. Co.
CFKC	247.8	1210	Thorold, Ont.--D. J. Fendell
CFMC	267.7	1120	Kingston, Ont.--Monarch Battery Co.
CFQC	329.5	910	Saskatoon, Sask.--The Electric Shop

Station	Meters	K. C. Watts	Location and Owner
CFRC	267.7	1120	500 Kingston, Ont.-----Queen's University
CFXC	291.1	1030	20 N. Westminster, B. C.--Westmin. Trst. Co.
CFYC	410.7	730	500 Burnaby, B. C.--Commercial Radio, Ltd.
CHCS	340.7	880	10 Hamilton, Ont.--The Hamilton Spectator
CHIC	356.9	840	500 Toronto, Ont.--Northern Electric Co.
CHNC	356.9	840	500 Toronto, Ont.--Toronto Rad. Resrch. Soc.
CHSC	359.9	840	250 Unity, Sask.--H. N. Stovin
CHUC	329.5	910	50 Saskatoon, Sask.--Intl. Bible Stu. Assn.
CHXC	434.5	690	250 Ottawa, Ont.--J. R. Booth, Jr.
CHYC	410.7	730	850 Montreal, Que.--Northern Electric Co.
CJBC	356.9	840	500 Toronto, Ont.--Jarvis St. Bap. Church
CJCA	516.9	580	500 Edmonton, Alta.--Edmonton Journal, Ltd.
CJCD	356.9	840	50 Toronto, Ont.--The T. Eaton Co.
CJGC	329.5	910	1000 London, Ont.--London Free Press Ptg. Co.
CJJC	410.7	730	500 Burnaby, B. C.--Pyramid Temple Society
CJSC	356.9	840	500 Toronto, Ont.--Evening Telegram
CJWC	329.5	910	250 Saskatoon, Sask.--Wheaton Electric Co.
CJYC	291.1	1030	500 Scarford Stat. Que.--DeForest Rad. Corp.
CKAC	410.7	730	1200 Montreal, Que.--LaPresse Publishing Co.
CKCD	410.7	730	1000 Vancouver, B. C.--Vanc. Daily Providence
CKCK	312.3	960	500 Regina, Sask.--Leader Publishing Co.
CKCL	356.9	840	500 Toronto, Ont.--The Dominion Battery Co.
CKCO	434.5	690	100 Ottawa, Ont.--Dr. G. M. Geldert
CKCW	329.5	910	5000 Burketon Junction, Ont.-----Canadian Broadcasting Corp.
CKFC	410.7	730	50 Vancouver, B. C.--1st Congregational Ch.
CKNC	356.9	840	500 Toronto, Ont.--Can. Nat. Carbon Co.
CKOC	340.7	880	50 Hamilton, Ont.--Wentworth Rad. Sup. Co.
CKY	384.4	780	400 Winnipeg, Man.--Manitoba Tel. System
CNRA	312.3	960	500 Moncton, N. B.--Canadian Natl. Rys.
CNRC	434.5	690	750 Calgary, Alta.--Canadian Natl. Rys.
CNRE	516.9	580	500 Edmonton, Alta.--Canadian Natl. Rys.
CNRM	410.7	730	1000 Montreal, Que.--Canadian Natl. Rys.
CNRO	434.5	690	500 Ottawa, Ont.-----Canadian Natl. Rys.
CNRR	312.3	960	500 Regina, Sask.--Canadian Natl. Rys.
CNRS	329.5	910	500 Saskatoon, Sask.--Canadian Natl. Rys.
CNRT	356.9	840	500 Toronto, Ont.-----Canadian Natl. Rys.
CNRV	291.1	1030	500 Vancouver, B. C.--Canadian Natl. Rys.
CNRW	384.4	780	500 Winnipeg, Man.-----Canadian Natl. Rys.

CUBAN BROADCASTING STATIONS

Station	Meters	K. C. Watts	Location and Owner
PWX	400	500	Habana-----Cuban Telephone Co.
2FP	355	400	El Pais, Habana-----
2HP	295	100	Habana-----Creditory Construcciones Co.
2OK	360	100	Habana-----Mario Garcia Velez
2OL	300	100	Habana-----Oscar Collado Orta
6BY	300	100	Cienfuegos-----Jose Ganduxe
6JK	275	100	Central Tuincu-----Frank H. Jones
6KW	340	4000	Central Tuincu-----Frank H. Jones
7SR	350	500	Canquey-----Salvador Rionda
8BY	250	100	Santiago-----Alberto Ravelo

MEXICAN BROADCASTING STATIONS

Signal	Owner and Location	Meters	Watts
CYA	Elfrion R. Gomez, Mexico City	300	500
CYB	Jose J. Reynosa-El Buen Tono, Mexico City	275	500
CYL	Raoul Azcarraga-Universi-Casa del Radio, Mexico City	400	500
CYX	El Excelsior-Parker, Mexico City	325	500
CZE	Departamento de Educacion, Mexico City	350	500
FAM	Federal Military Command, Guadalajara	490	1,000

ARGENTINA

Signal	Owner and Location	Meters	Watts
LOR	Cla Radio Argentina, Buenos Aires	350-510	500
LOV	F. J. Brusa, Buenos Aires	350	1,000
LOW	Grand Splendid Theatre, Buenos Aires	325	1,500

AUSTRALIA

Signal	Owner and Location	Meters	Watts
2BL	Broadcasters Ltd., Sydney	350	5,000
2FC	Farmer & Co., Sydney	1,110	5,000
3AR	Associated Radio Co., Melbourne	480	1,000
5CL	Central Broadcasters, Adelaide	395	5,000

BELGIUM

Signal	Owner and Location	Meters	Watts
---	Radio-Belgique, Brussels	285	1,000

BRAZIL

Signal	Owner and Location	Meters	Watts
---	Marconi, Rio de Janeiro	---	6,000

FRANCE

Signal	Owner and Location	Meters	Watts
FPTT	Superior School, Paris	458	500
YN	French Government, Lyons-la-Donna	340	---

GERMANY

Station	Owner and Location	Meters	Watts
-----	Vox Haus, Berlin	505	1,500
-----	Schlesische Rundfunk, Breslau	418	1,500
-----	Sudwestdeutscher Rundfunk, Cassel	288	1,500
-----	Mitteldeutsche Rundfunk, Dresden	280	1,500
-----	Sudwestdeutsche Rundfunk, Frankfurt-on-Main	470	1,500
-----	Ostmarken Rundfunk, Konigsberg	463	1,000
-----	Mitteldeutsche Rundfunk, Leipzig	454	1,000
-----	Deutsche Stunde in Bayern, Munich	485	1,000

GREAT BRITAIN

The following stations are operated by the British Broadcasting Company, which holds an exclusive concession from the British Government:

Station	Owner and Location	Meters	Watts
2BD	Aberdeen, Scotland	496	1,500
2BE	Belfast, Ireland	438	---
2DE	Dundee, Scotland	332	---
2EH	Edinburgh, Scotland	326	---
2LO	London, England	365	3,000
2ZY	Manchester, England	378	---
51T	Birmingham, England	480	---
5NG	Nottingham, England	229	---
5NO	Newcastle, England	403	---
5SC	Glasgow, Scotland	422	---
5WA	Cardiff, Wales	353	---
5XX	Daventry, England	386	26,000
6BM	Bournemouth, England	302	---
6FL	Sheffield, England	336	---
6KH	Hull, England	314	---
6LV	Liverpool, England	306	---
6ST	Stoke-on-Trent, England	---	---

LIST OF STATIONS BY WAVE LENGTHS

It is unusual with most sets to pick up distant stations of less than 100 watts power. To prevent this list from becoming too bulky, stations of less than 100 watts are not included.

Wave Length	Freq. Kilo	Station and Location	Watts
545.1	550	WCX—Detroit	---
-----	-----	WJR—Pontiac, Mich.	---
-----	-----	WJUG—New York	---
535.4	560	CFCK—Edmonton, Alberta	---
-----	-----	CJCA—Edmonton, Alberta	---
-----	-----	CNRE—Edmonton, Alberta	---
-----	-----	WTAG—Worcester, Mass.	---
526	570	KYWK—Chicago	---
-----	-----	KFPK—Sacramento, Calif.	---
-----	-----	WHA—Madison, Wisc.	---
-----	-----	WHO—Des Moines, Iowa	---
-----	-----	WNYC—New York	---
-----	-----	WOAW—Omaha, Nebr.	---
-----	-----	KFRU—Columbia, Mo.	---
-----	-----	WCSH—Portland, Maine	---
-----	-----	WMC—Memphis, Tenn.	---
-----	-----	CFCH—Iroquois Falls, Ont.	---

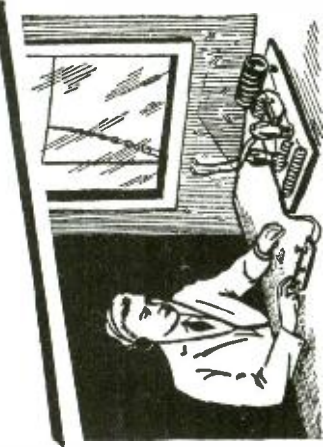
491.5	610	KGW—Portland, Oregon	380	789	KGW—San Diego, Calif.
-----	-----	WCFL—Chicago	379.5	790	WGY—Schenectady, N. Y.
-----	-----	WEAF—New York	374.8	800	WHAZ—Iroy, N. Y.
483.6	620	WOC—Davenport, Iowa	374.8	800	KFBU—Laramie, Wyo.
-----	-----	WSUI—Iowa City, Iowa	373.8	802	KTHS—Hot Springs, Ark.
475.9	630	WBAP—Fort Worth, Texas	370.2	810	KVOO—Bristow, Okla.
-----	-----	WFAA—Dallas, Texas	367	817	WRNY—New York
-----	-----	WTIC—Hartford, Conn.	365.6	820	WEBH—Chicago, Ill.
468.5	640	WRC—Washington, D. C.	365.6	820	KMTR—Los Angeles, Calif.
-----	-----	WJBT—Chicago, Ill.	365	821	WJJD—Mooseheart, Ill.
467	643	KFI—Los Angeles	362.5	827	WEAN—Providence, R. I.
461.3	650	KFNF—Shenandoah, Iowa	361.2	830	WDAF—Kansas City
-----	-----	KMA—Shenandoah, Iowa	360	835	WHB—Kansas City
-----	-----	WAPI—Auburn, Ala.	357.1	839	WBRU—Tilton, N. H.
-----	-----	WCAE—Pittsburgh, Pa.	356.9	840	WKBW—Buffalo
454.3	660	KFOA—Seattle, Wash.	352.7	850	KGO—Oakland, Calif.
-----	-----	KTW—Seattle, Wash.	350.6	855	WKBG—Galesburg, Ill.
-----	-----	WJZ—Brookbrook, N. J.	348.6	860	WHN—New York
447.5	670	WMAQ—Chicago, Ill.	344.6	870	WPAP—Cliffside, N. J.
-----	-----	WQJ—Chicago, Ill.	340.7	880	WQAO—New York, N. Y.
440.9	680	WOS—Jefferson City, Mo.	333.1	900	WEW—St. Louis
-----	-----	KLDS—Independence, Kans.	332.4	930	KSO—Sioux Falls, S. D.
-----	-----	WDWF—Cranston, R. I.	319.5	940	KRLD—Dallas, Texas
-----	-----	WLSI—Cranston, R. I.	315.6	950	CFCA—Toronto, Ont.
434.9	690	WMAF—Dartmouth, Mass.	315.6	950	CHIC—Toronto, Ont.
-----	-----	NAA—Arlington, Va.	312.4	870	CHNC—Toronto, Ont.
-----	-----	CFAC—Calgary, Alberta	311.2	880	CHSC—Unity, Sask.
-----	-----	CFCN—Calgary, Alberta	310.5	890	CJBC—Toronto, Ont.
-----	-----	CHXC—Ottawa, Ont.	309.8	910	CJSC—Toronto, Ont.
-----	-----	CKCO—Ottawa, Ont.	309.5	910	CKCL—Toronto, Ont.
-----	-----	CNRC—Calgary, Alberta	308.5	920	CKNC—Toronto, Ont.
-----	-----	CNRO—Ottawa, Ont.	307.5	930	CNRT—Toronto, Ont.
-----	-----	KGCH—Wayne, Neb.	306.5	940	WJAD—Waco, Texas
431.4	695	KFKB—Milford, Kans.	305.6	950	WJLD—Detroit, Mich.
-----	-----	WHAP—New York	304.6	960	WCGU—Lakewood, N. J.
-----	-----	WNAC—Boston, Mass.	303.6	970	WNJ—Newark, N. J.
430.1	697	KFXF—Denver, Colo.	302.4	980	KOB—State College, N. M.
-----	-----	KPO—San Francisco	301.4	990	KWSC—Pullman, Wash.
428.3	700	WSB—Atlanta, Ga.	300.4	990	WEEI—Boston, Mass.
-----	-----	WKRC—Cincinnati, Ohio	300.4	990	WCBZ—Zion, Ill.
422.3	710	WEDC—Chicago	300.4	990	WLS—Chicago
-----	-----	WLW—Cincinnati, Ohio	300.4	990	WLS—Chicago
416.4	720	WBBR—Ressville, N. Y.	300.4	990	WLS—Chicago
-----	-----	WCCO—Minneapolis-St. Paul	300.4	990	WLS—Chicago
410.7	730	CFQC—Montreal, Quebec	300.4	990	WLS—Chicago
-----	-----	CFQC—Vancouver, B. C.	300.4	990	WLS—Chicago
-----	-----	CFYC—Burnaby, B. C.	300.4	990	WLS—Chicago
-----	-----	CJCK—Burnaby, B. C.	300.4	990	WLS—Chicago
-----	-----	CKAC—Montreal, Que.	300.4	990	WLS—Chicago
-----	-----	CKCD—Vancouver, B. C.	300.4	990	WLS—Chicago
-----	-----	CNRM—Montreal, Que.	300.4	990	WLS—Chicago
407	737	WJAP—Ferndale, Mich.	300.4	990	WLS—Chicago
-----	-----	KHJ—Los Angeles, Calif.	300.4	990	WLS—Chicago
405.2	740	KSO—Clarinda, Iowa	300.4	990	WLS—Chicago
-----	-----	WJY—New York	300.4	990	WLS—Chicago
-----	-----	WOR—Newark, N. J.	300.4	990	WLS—Chicago
399.8	750	WHAS—Louisville, Ky.	300.4	990	WLS—Chicago
-----	-----	WHT—Deerfield, Ill.	300.4	990	WLS—Chicago
394.5	760	KHQ—Spokane, Wash.	300.4	990	WLS—Chicago
-----	-----	WFI—Philadelphia	300.4	990	WLS—Chicago
-----	-----	WLIT—Philadelphia	300.4	990	WLS—Chicago
-----	-----	WOAI—San Antonio, Texas	300.4	990	WLS—Chicago
394	761	WBRB—Brooklyn, N. Y.	300.4	990	WLS—Chicago
390.9	767	WODA—Paterson, N. J.	300.4	990	WLS—Chicago
389.4	770	WEAR—Cleveland	300.4	990	WLS—Chicago
-----	-----	WTAM—Cleveland	300.4	990	WLS—Chicago
384.4	780	KJR—Seattle, Wash.	300.4	990	WLS—Chicago
-----	-----	WAW—Omaha	300.4	990	WLS—Chicago
-----	-----	WGB—Milwaukee	300.4	990	WLS—Chicago
-----	-----	WMBF—Miami, Fla.	300.4	990	WLS—Chicago
-----	-----	WLWL—New York	300.4	990	WLS—Chicago
-----	-----	WWAE—Plainfield, Ill.	300.4	990	WLS—Chicago
-----	-----	CKY—Winnipeg, Manitoba	300.4	990	WLS—Chicago
-----	-----	CNRR—Winnipeg, Manitoba	300.4	990	WLS—Chicago

315	952	275.1	1090	258.5	1160	238	1260	242	1240	WPCS—State College, Pa. WECB—Superior, Wis. WOOD—Grand Rapids, Mich.
312.6	959							239.9	1250	KFVE—St. Louis, Mo. KFUM—Colorado Springs, Colo. KGGC—Newark, Ark. KGCJ—San Antonio, Texas KZM—Oakland, Calif. WABI—Bangor, Maine WDBO—Winter Park, Fla. WOAX—Trenton, N. J. KFCB—Phoenix, Ariz. KFUW—Pineville, La. KNRC—Santa Monica, Calif. WBBP—Fetoskey, Mich. WHT—Deerfield, Ill.
312.3	960									KFOX—Yakima, Wash. KRE—Berkeley, Calif. WASH—Grand Rapids WBAX—Wilkes-Barre, Pa. WDOB—Chatanooga, Tenn. WHBP—Johnstown, Pa. WMBC—Detroit, Mich. WRAC—Escanaba, Mich. WRVA—Richmond, Va.
309.1	970									KFEL—Denver, Colo. KFLR—Albuquerque, N. M. KFWH—Eureka, Calif. WEAL—Ithaca, N. Y. WFER—Baltimore, Md. WIAS—Burlington, Iowa WNAD—Norman, Okla. WSAR—Fall River, Mass. WTAQ—Oaseo, Wisc.
305.9	980									KFWB—Hollywood, Calif. KFEC—Portland, Oreg. KOCW—Chickasha, Okla. WFBI—Syracuse, N. Y. WGPC—Newark, N. J. WRCP—Raleigh, N. C. WSRO—Hamilton, Ohio
302.8	990									KFWI—San Francisco KLS—Oakland, Calif. KMO—Tacoma, Wash. WBBC—Brooklyn, N. Y. WCAX—Burlington, Vt. WVAD—Philadelphia WKBB—La Crosse, Wisc. WLAI—Tulsa, Okla. WMBB—Chicago, Ill. WNAF—Philadelphia, Pa. WQAN—Scranton, Pa.
299.8	1000									KFIF—Portland, Oregon KFOX—Omaha, Nebr. KFRB—Beville, Texas WBRB—Birmingham, Ala. WCOS—Springfield, Ohio WIOD—Miami, Fla. WMAV—St. Louis, Mo. WNBH—New Bedford, Mass. WSAV—Houston, Texas
291.9	1030									KDYL—Salt Lake City KFSD—San Diego, Calif. WABX—Mt. Clemens, Mich. WBR—Dallas, Texas WSOE—Milwaukee, Wisc.
288.3	1040									KGAR—Tucson, Ariz. KUOM—Missoula, Mont. WAMD—Minneapolis, Minn. WATT—Portland, Mass. WEBR—Buffalo, N. Y. WGBB—Freeport, N. Y. WKBF—Indianapolis, Ind. WNAK—Yankton, S. D. WRAM—Galesburg, Ill.
285.5	1050									KFIQ—Spokane, Wash. KFPY—Spokane, Wash. KICK—Anita, Iowa WBAA—West Lafayette, Ind. WDAE—Tampa, Fla. WEBJ—New York WHK—Cleveland WPCB—New York WRM—Urbana, Ill. WSBF—St. Louis
282.8	1060									KGU—Honolulu, Hawaii KZKZ—Manila, P. I. WBAO—Decatur, Ill. WDDB—Decatur, Ga. WGST—Detroit, Mich. WHP—Atlanta, Ga. WJAG—Norfolk, Nebr. WJBL—Decatur, Ill. WKEB—Webster, Mass. WOL—Ames, Iowa WRK—Hamilton, Ohio WVAV—College Station, Tex.
280.2	1070									KFEQ—Oak, Nebr. WDRB—New Haven, Conn. WEBW—Beloit, Wis. WFBM—Indianapolis, Ind. WJAM—Cedar Rapids, Iowa WJBO—New Orleans, La. WNOX—Knoxville, Tenn. WRAX—Gloucester City, N. J. WSAX—Chicago CFRC—Kingston, Ont.
280	1071									KFTO—Spokane, Wash. KLZ—Denver, Colo. WBCN—Chicago WCAH—Columbus, Ohio WENR—Chicago WGHB—Clearwater, Fla. WDEL—Wilmington, Del. WMAK—Lockport, N. Y. WTAB—Fall River, Mass. CNRV—Vancouver, B. C.
278	1080									KFJR—Portland, Oreg. KFUT—Salt Lake City KSEI—Pocatello, Idaho WAAM—Newark, N. J. WCAD—Nanton, N. Y. WCAR—San Antonio, Texas. WDAG—Amarillo, Texas WDGY—Minneapolis, Minn. WRAV—Yellow Springs, Ohio WSDA—New York
275.1	1090									KFJF—Oklahoma City, Okla. KFMR—St. Louis, Mo. KFQA—St. Louis, Mo. WABQ—Haverford, Pa. WARC—Medford Hillside, Mass. WAFD—Port Huron, Mich. WEAK—Milwaukee, Wis. WMAZ—Macon, Ga.
209.7	1430									WCBR—Portland WCWS—Portland WKBA—Chicago
205.4	1460									KFVD—San Pedro, Calif. WPDQ—Buffalo, N. Y.
202.6	1480									KFXB—Big Bear Lake, Calif.

Short-Wave Stations of the World

THIS list, containing more than a hundred short-wave stations situated throughout the world, is about the most completely accurate one yet to be printed. The Traffic Department of the Radio Corporation of America cooperated in its compilation. Included in this list are stations known to be operating on the wavelengths given, stations licensed for operation, and stations which have been in operation to any considerable extent during the past year, and which are not definitely discontinued.

CALL SIGNAL	LOCATION	FREQUENCY IN KC.
POF	Nauen, Germany	22200
2XS	Rocky Point, New York	20092
2XW	Schenectady, New York	19936
2BR	Chelmsford, England	18968
2BF	Nauen, Germany	18738
NKF	Anacostia, District of Columbia	18738
ZBR	Chelmsford, England	17636
POF	Nauen, Germany	16657
ZXAD	Schenectady, New York	14991
KFVM	SS <i>Idalia</i>	14991
POF	Nauen, Germany	14991
NAL	Washington, District of Columbia	14991
NEPQ	USS <i>Relief</i>	14991
NKF	Anacostia, District of Columbia	14414
WIK	New Brunswick, New Jersey	13628
2YT	Foldhu, England	11983
FOY	Nauen, Germany	11983
FW	Sainte Assise, France	11983
NKF	Anacostia, District of Columbia	11758
AGA	Nauen, Germany	11532
PCMM	Kootwijk, Holland	10903
POW	Nauen, Germany	10708
2XI	Schenectady, New York	9994
NAL	Washington, District of Columbia	9798
2YT	Foldhu, England	9369
ANE	Malabar, Java	9369
NAJ	Great Lakes, Illinois	8630
WQO	Rocky Point, New York	8560
PCMM	Kootwijk, Holland	8328
PCUU	Kootwijk, Holland	7890
KFVM	SS <i>Idalia</i>	7496
NAS	Pensacola, Florida	7496
NAJ	Great Lakes, Illinois	7496
NFG	San Francisco, California	7496
NRRL	USS <i>Seattle</i>	7496
NQW	USS <i>New Mexico</i>	7496
2XAC	Schenectady, New York	7260
NKF	Anacostia, District of Columbia	7160
2XAF	WGY—Schenectady	7139
5XH	New Orleans, Louisiana	7139
FW	Sainte Assise, France	6970
WIZ	New Brunswick, New Jersey	6814
WQO	Rocky Point, New York	6814
KZA	Los Angeles, California	6814
KZB	Los Angeles, California	6814
FCLL	Kootwijk, Holland	6518
WHD	Sharon, Pennsylvania	6119
NPM	Honolulu, Territory of Hawaii	6119
2XAD	Schenectady, New York	5996
SAJ	Karlsborg, Sweden	5822
WQJ	Rocky Point, New York	5657
NPU	Tutuila, Samoa	5657
NBA	Bahoa, Canal Zone	5552
NKF	Anacostia, District of Columbia	5511
KFKX	Hastings, Nebraska	5354
ANF	Malabar, Java	5324
1XAO	Belfast, Maine	5260
WON	Rocky Point, New York	5100
KDKA	East Pittsburgh, Pennsylvania	5082
KDC	Casper, Wyoming	4997
2YT	Poldhu, England	4759
KDKA	East Pittsburgh, Pennsylvania	4475
6XS	East Pittsburgh, Pennsylvania	4409
NFO	Cavite, Philippine Islands	4383
WRB	Miami, Florida	4383
WRP	Miami, Florida	4283
2XAO	Belfast, Maine	4283
FOX	Nauen, Germany	4283
NFO	Cavite, Philippine Islands	4283
NERM	USS <i>Los Angeles</i>	3548
NQC	San Diego, California	4253
NKF	Anacostia, District of Columbia	4205
NPL	San Diego, California	4182
WIR	New Brunswick, New Jersey	4052
SFR	Paris, France	3998
NUOB	USS <i>Pope</i>	3998
NIRX	USS <i>Canopus</i>	3945
NAJ	Great Lakes, Illinois	3874
NFV	Quantico, Virginia	3795
JJAA	Iwatsuki, Japan	3748
KFVM	SS <i>Idalia</i>	3748
NEL	Lakehurst, New Jersey	3701
2XK	Schenectady, New York	3679
NKF	San Francisco, California	3612
NFG	Anacostia, District of Columbia	3569
RDW	Moscow, Russia	3527
NKF	Anacostia, District of Columbia	3486
SFR	Paris, France	3331
NQG	San Diego, California	3190
KIO	Kahuku, Territory of Hawaii	3156
2YT	Foldhu, England	3123
KEL	Bolinas, California	2998
8XS	East Pittsburgh, Pennsylvania	2998
FOX	Nauen, Germany	2911
NAM	Norfolk, Virginia	2855
WGH	Tuckerton, New Jersey	2751
WHU	SS <i>Big Bill</i>	2726
2XK	Schenectady, New York	2726
KFVT	SS <i>Eloise</i>	2726
KFHV	SS <i>Facile</i>	2677
KFWJ	SS <i>Gallant</i>	2607
1XAO	Belfast, Maine	2607
FL	Paris, France	2607
KFWK	SS <i>Nirvana</i>	2600
KFVB	SS <i>Bridget</i>	2600



Press, Weather, and Time Signals

IN THE accompanying corrected table of transmissions of time, weather, and press intelligence, the scheduled times of transmission are given in Greenwich Mean Time, Eastern Standard Time, and Pacific Standard Time. This list, we feel sure, is as accurate as it is humanly possible to make it, but minor changes are often made at the stations concerned with little or no notice. PX in the last column stands for "Press"; WX for "Weather"; TFC for "Traffic Transmissions."

TIME G. M. T.	TIME E. S. T.	TIME P. S. T.	CALL	LOCATION	WAVE METERS	FREQ. QUENCY KCS.	REMARKS
00:30	7:30 P. M.	4:30 P. M.	YN	Lyons	15,100	19.86	Arc; Press.
01:00	8:00 P. M.	5:00 P. M.	NAR	Brooklyn	1500	199.9	Spark; W. X. P. X.*
02:00	9:00 P. M.	6:00 P. M.	NAR	Brooklyn	1500	199.9	Spark; W. X. P. X.*
02:15	9:15 P. M.	6:15 P. M.	NAR	Arlington	2655	112.9	Spark; W. X. P. X.*
02:55	9:55 P. M.	6:55 P. M.	NAR	Key West	1463	205.0	I. C. W.; W. X. Time*
02:55	9:55 P. M.	6:55 P. M.	NSS	Annapolis	16,900	17.74	Arc; W. X. Time.
03:00	10:00 P. M.	7:00 P. M.	NPM	Pearl Harbor	119.9	199.9	Spark; Press.
03:05	10:05 P. M.	7:05 P. M.	WPM	Pearl Harbor	2700	117.9	Spark; Press.
03:30	10:30 P. M.	7:30 P. M.	UA	Nantes, Fr.	2400	124.9	Spark; Press.*
03:48	10:48 P. M.	7:48 P. M.	GBR	Rugby	18,740	15.98	C. W.; Press.
03:50	10:50 P. M.	7:50 P. M.	WSH	New Orleans	2478	120.9	Arc; Press; TFC, and P. X.
04:15	11:15 P. M.	8:15 P. M.	WSU	New Orleans	2478	120.9	Arc; Press; TFC, and P. X.
05:15	12:15 P. M.	9:15 P. M.	WRQ	Macon	12,500	23.09	C. W.; Press.
05:40	12:40 A. M.	9:40 P. M.	NPL	San Diego	13,300	22.54	Arc; Press.
06:00	1:00 A. M.	10:00 P. M.	BZL	Demetra	1,300	230.6	Spark; Press.
07:00	1:00 A. M.	10:00 P. M.	GPH	Guayaquil	1,300	230.6	Spark; Press.
07:00	1:00 A. M.	10:00 P. M.	GPH	San Francisco	1,300	230.6	Spark; Press.
08:00	2:00 A. M.	11:00 P. M.	YH	Lyons, Fr.	1500	199.9	Spark; Press.
08:00	3:00 A. M.	12:00 P. M.	VCU	Barrington	5000	59.96	Arc; Press.
08:00	3:00 A. M.	12:00 P. M.	NPL	San Diego	13,300	22.54	Arc; Press.
08:00	3:00 A. M.	12:00 P. M.	NPL	Brooklyn	1500	199.9	Spark; Press.*
08:00	3:00 A. M.	12:00 P. M.	KPH	San Francisco	2300	130.4	Spark; Press.
08:00	3:00 A. M.	12:00 P. M.	GFA	San Francisco	4200	71.39	C. W.; W. X.
08:30	4:30 A. M.	1:30 A. M.	FL	Buffet Tower	2700	111.0	Spark; Time.*
08:55	4:55 A. M.	1:55 A. M.	NAX	California	1800	169.6	Spark; Press.
09:55	4:55 A. M.	1:55 A. M.	NAX	California	1800	169.6	Spark; Press.
09:55	4:55 A. M.	1:55 A. M.	NBA	Balboa	7000	42.83	I. C. W.; Time.*
10:30	5:30 A. M.	2:30 A. M.	NBA	Balboa	7000	42.83	Arc; Time; P. X.†
11:00	6:00 A. M.	3:00 A. M.	GPH	Guayaquil	750	399.8	Spark; Press.
11:30	6:30 A. M.	3:30 A. M.	VMS	San Francisco	1450	206.9	Spark; Press.
12:00	7:00 A. M.	4:00 A. M.	POZ	Nauen	18,500	16.21	Spark; Press.
12:00	7:00 A. M.	4:00 A. M.	POZ	Nauen	18,500	16.21	Arc; Time.
12:15	9:15 A. M.	6:15 A. M.	VCR	Cape Race	600	499.7	C. W.; Press.
12:45	9:45 A. M.	6:45 A. M.	VCR	Cape Race	600	499.7	Spark; Ice Reports, etc.
13:00	10:00 A. M.	7:00 A. M.	LY	Lyons, Fr.	2000	149.9	Spark; Press.
13:00	10:00 A. M.	7:00 A. M.	VIS	Ediffel Tower	2500	119.9	Spark; Press.
13:00	10:00 A. M.	7:00 A. M.	VIP	Perth, Aus.	1500	199.9	Spark; W. X.
16:30	11:30 A. M.	8:30 A. M.	WNU	New Orleans	3331	90.04	C. W.; W. X. TFC, and P. X.
16:55	11:55 A. M.	8:55 A. M.	NAR	Kirlington	1403	224.9	C. W.; Time etc.
16:55	11:55 A. M.	8:55 A. M.	NAT	San Francisco	16,900	17.74	Arc; Time; TFC.
16:55	11:55 A. M.	8:55 A. M.	NSS	Annapolis	2700	111.0	I. C. W.; Time.
17:00	12:00 P. M.	9:00 A. M.	NPL	San Diego	13,300	22.54	Arc; Press; Time.*
17:55	12:55 P. M.	9:55 A. M.	NVA	Balboa	6563	45.02	Arc; Time; Time.*
18:00	1:00 P. M.	10:00 A. M.	VIZ	Louisburg	2700	103.4	C. W.; Press.
18:00	1:00 P. M.	10:00 A. M.	VIZ	Rabaul, Aus.	2700	103.4	Spark; Press.
18:30	1:30 P. M.	10:30 A. M.	VID	Darwin, Aus.	850	352.7	Spark; Press.
18:55	1:55 P. M.	10:55 A. M.	NAR	San Francisco	5800	131.59	Arc; Time; W. X.
19:00	2:00 P. M.	11:00 A. M.	NBA	San Diego	2400	71.39	Arc; Time.
20:00	3:00 P. M.	12:00 P. M.	BVZ	Rindella	4200	124.9	Spark; Press.
20:00	3:00 P. M.	12:00 P. M.	NBA	Balboa	2400	124.9	Spark; Press.
20:00	3:00 P. M.	12:00 P. M.	LY	Bordeaux	18,000	16.12	C. W.; W. X.
20:00	3:00 P. M.	12:00 P. M.	KAV	Norddeich	1800	166.6	Spark; Press.
20:00	3:00 P. M.	12:00 P. M.	GCK	Valencia	18,740	15.98	Spark; Press (German).
20:48	3:48 P. M.	12:48 P. M.	GCK	Valencia	18,740	15.98	Spark; W. X.
21:45	4:15 P. M.	1:15 P. M.	BXW	Singapore	3000	149.9	Spark; Press.
22:15	5:15 P. M.	2:15 P. M.	BDU	Rome, Hong	10,000	29.98	Arc; Press.
22:30	5:30 P. M.	2:30 P. M.	BZC	Mauritius	2000	149.9	Spark; Time.
22:45	5:45 P. M.	2:45 P. M.	FL	Ediffel Tower	2700	111.0	Spark; Press.
24:00	7:00 P. M.	4:00 P. M.	NPM	Pearl Harbor	11,500	35.74	Arc; Press.
24:00	7:00 P. M.	4:00 P. M.	POZ	Nauen	18,500	16.21	C. W.; Time.
24:00	7:00 P. M.	4:00 P. M.	GBR	Rugby	18,740	15.98	C. W.; Press.

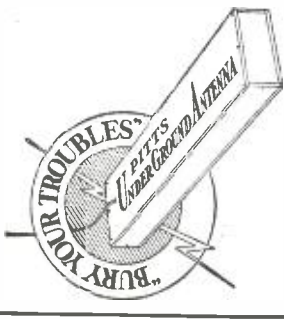
*Possibly changed to c.w.
 †This weather sent in code form. Useless unless you have reference code book.
 ‡English press sent on 4100 meters (73.13 kc.).

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 Public wants this Amazing New Set. Coast-to-coast reception. Receives all waves. 40 to 550 meters. Shot sub-titled makes assembly quick and easy. We need distributors everywhere. Demonstration sells. \$50 carry stock. Set sells at half price.



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 New York City

680 kilocycles 440.9 meters	KFEQ * 2500 D KFO * 5000 N WPTF * 1000 N Dn XETF -- 5000 ---	St. Joseph, Mo. San Francisco, Cal. Raleigh, N. C. Veracruz, Mexico	Scroggin & Co., Bank Hale Bros. & The Chronicle Durham Life Insurance Co. Manuel Angel Fernandez & Cia	790 kilocycles 379.5 meters	CMBS -- 150 --- CMBT -- 150 --- CMHC -- 100 --- KGO -- 7500 N WGY -- 50000 N	Havana, Cuba Havana, Cuba Havana, Cuba Tainucu, Cuba San Francisco, Cal. Schenectady, N. Y.	Enrique Artalejo Emilio Perera Frank H. Jones National Broadcasting Co., Inc. General Electric Co.
690 kilocycles 434.5 meters	CFAC * 500 1 CFRB * 5000 2C CHCA * 500 1 CICJ * 500 1 CNRC * 500 1 CPRY -- 5000 2 NAA -- 1000 685 VAS -- 10000 --- XET -- 500 ---	Calgary, Alta. Toronto, Ont. Calgary, Alta. Calgary, Alta. Calgary, Alta. Toronto, Ont. Arlington, Va. Glace Bay, N. S. Monterrey, Mexico	The Calgary Herald Rogers-Majestic Corp., Ltd. The Western Farmer Co., Ltd. Alberta Publishing Co., Ltd. Canadian National Railways Canadian Pacific Railways U. S. Navy Music Co. Canadian Marconi Co. Mexico Music Co., S. A.	800 kilocycles 374.8 meters	WBAP -- 10000 IXN WFAA -- 50000 JN XEU -- 101 805 XFC -- 350 805	Fort Worth, Texas Dallas, Texas Veracruz, Mexico Aguascalientes, Mexico	Carter Publications, Inc. News & Journal Fernando Pazos Gobierno del Estado de Aguascalientes
700 kilocycles 428.3 meters	WLW * 50000 N	Cincinnati, Ohio	Crosley Radio Corp.	810 kilocycles 370.2 meters	WCCO * 5000 C WFSH * 500 D	Minneapolis, Minn. New York City	Northwestern Broadcasting, Inc. Eastern Broadcasters, Inc.
710 kilocycles 422.3 meters	KMPC * 500 Dn WOR * 5000 711 XEN -- 1000 711	Beverly Hills, Cal. Newark, N. J. Mexico City	R. S. MacMillan Bamberger Broadcasting Service, Inc Cia. Civil de Inversiones	820 kilocycles 365.6 meters	WHAS -- 10000 N XFI -- 1000 818	Louisville, Ky. Mexico City	Courier-Journal & Times Sria. de Ind., Comercio y Trabajo
720 kilocycles 416.4 meters	WGN -- 25000 C	Chicago, Ill.	Chicago Tribune	830 kilocycles 361.2 meters	CMGA -- 100 834 KOA -- 12500 N WEEU -- 1000 DCP WHDH -- 1000 D WRUF -- 5000 Dn	Colon, Cuba Denver, Colo. Reading, Pa. Boston, Mass. Gainesville, Fla.	Leopoldo V. Figueroa National Broadcasting Co., Inc. Berks Broadcasting Co. Matheson Radio Co., Inc. University of Florida
730 kilocycles 410.7 meters	CHLS -- 50 1 CHYC * 5000 2S CKAC * 5000 2C CKCD -- 50 1 CKFC -- 50 1 CKGM * 100 1 CKWX -- 100 1 CKWV -- 3150 --- GNK * 5000 2 GNRM -- 500 735 XEM -- 100000 --- XER -- 100000 ---	Vancouver, B. C. Montreal, Que. Montreal, Que. Vancouver, B. C. Vancouver, B. C. Vancouver, B. C. Vancouver, B. C. Havana, Cuba Montreal, Que. Tampico, Mexico Villa Acuna, Mex.	W. G. Hassell Northern Electric Co., Ltd. La Presse Publishing Co., Ltd. Vancouver Daily Province United Church of Canada Spratt-Shaw Radio Co. A. Holstead & Wm. Hanlon Cuban Broadcasting Co., Hotel Plaza Canadian National Railways Herbert H. Denny y Cia. Dr. John R. Brinkley	840 kilocycles 356.9 meters	CHCT -- 1000 2 CKGW -- 5000 JN CKLC -- 1000 2 CMC -- 500 --- CNRD -- 1000 2 CNRT -- 500 1	Red Deer, Alta. Toronto, Ont. Red Deer, Alta. Havana, Cuba Red Deer, Alta. Toronto, Ont.	C. F. Tull & Ardern, Ltd. Gooderham & Worts, Ltd. Alberta Pacific Grain Co., Ltd. Cuban Telephone Co. Canadian National Railways Canadian National Railways
740 kilocycles 405.2 meters	KMMJ * 1000 Dn WSB -- 5000 N	Clay Center, Nebr. Atlanta, Ga.	The M. M. Johnson Co. Atlanta Journal Co.	850 kilocycles 352.7 meters	KWKH * 10000 1 WWL * 5000 1	Shreveport, La. New Orleans, La.	Helo World Broadcasting Corp. Loyola University
750 kilocycles 399.8 meters	WJR -- 5000 N	Detroit, Mich.	WJR, The Goodwill Station, Inc.	860 kilocycles 348.6 meters	CMJE -- 20 856 KMO -- 500 Dn WABC -- 50000 C WBOQ -- 50000 D WBB -- 500 --- XEJ -- 101 857 XFX -- 500 ---	Camaguey, Cuba Tacoma, Wash. New York City New York City Kansas City, Mo. Juarez, Mexico Mexico City, Mexico	Manuel Fernandez KMO, Inc. Atlantic Broadcasting Corp. WHB Broadcasting Co. Juan Buttner Secretaria de Educacion Publica
760 kilocycles 394.5 meters	KVI * 1000 C Dn WBAL * 1000 N WEW * 1000 D WJZ -- 30000 N	Tacoma, Wash. Baltimore, Md. St. Louis, Mo. New York City	Puget Sound Broadcasting Co., Inc. Consolidated Gas, Elec. & Power Co. St. Louis University National Broadcasting Co., Inc.	870 kilocycles 344.6 meters	WENR -- 50000 1N WLS -- 50000 1N	Chicago, Ill. Chicago, Ill.	National Broadcasting Co., Inc. Agricultural Broadcasting Co.
770 kilocycles 389.4 meters	KFAB * 5000 1N WBBM * 25000 1C WJBT -- 25000 1S	Lincoln, Nebr. Chicago, Ill. Chicago, Ill.	KFAB Broadcasting Co. WBBM Broadcasting Corp. WBBM Broadcasting Corp.	880 kilocycles 340.7 meters	CHML * 50 4 CJCB * 50 --- CKCV -- 50 3 CKPC -- 50 4 CNRQ -- 50 3 KFKA -- 500 2+ KLCX * 500 --- KPOF * 500 2+ WCOF * 500 2+ WGBI * 250 1 WQAN * 250 1 WSUI * 500 ---	Hamilton, Ont. Sydney, N. S. Quebec, Que. Preston, Ont. Quebec, Que. Greeley, Colo. Oakland, Cal. Denver, Colo. Meridian, Miss. Scranton, Pa. Scranton, Pa. Iowa City, Iowa	Maple Leaf Radio Co., Ltd. N. Nathanson G. A. Vandy Metal Shingle & Siding Co. Canadian National Railways Midwestern Radio Corp. Tribune Publishing Co. Pillar of Fire, Inc. Mississippi Broadcasting Co., Inc. Scranton Broadcasters, Inc. Scranton Times University of Iowa
780 kilocycles 384.4 meters	CKY -- 5000 3 CNRW -- 5000 2 KELW * 500 2 KTM * 500 2+ WEAN * 250 +N WMC -- 500 +N WPOR -- 500 1 WTAR * 500 1C	Winnipeg, Manitoba Winnipeg, Manitoba Burbank, Cal. Los Angeles, Cal. Providence, R. I. Memphis, Tenn. Norfolk, Va. Norfolk Va.	Manitoba Telephone System Canadian National Railways Magnolia Park, Ltd. Pickwick Broadcasting Corp. Shepard Broadcasting Service, Inc. Memphis Commercial-Appeal, Inc. WTAR Radio Corp. WTAR Radio Corp.				

890 kilocycles 336.9 meters

CFBO	*	500	St. John, N. B.
CKCO	†	100	Ottawa, Ont.
CKPR	†	50	Port Arthur, Ont.
CVVF	†	250	Havana, Cuba
CWVJ	†	500	Havana, Cuba
KVNF	*	500	Shenandoah, Iowa
KJVF	*	250	Little Rock, Ark.
KUSD	*	500	Vermillion, S. D.
KGST	*	250	Atlanta, Ga.
WILL	*	250	Urbana, Ill.
WJAR	*	250	Providence, R. I.
WKAQ	*	250	San Juan, P. R.
WMMN	*	250	Fairmount, W. Va.
XES	\$	500	Tampico, Mexico

900 kilocycles 333.1 meters

KCBU	†	500	Ketchikan, Alaska
KHJL	†	1000	Los Angeles, Cal.
KSEI	*	250	Focatelli, Idaho
TVC	†	50	San Jose, Costa Rica
WBN	*	1000	Buffalo, N. Y.
WJAX	*	1000	Jacksonville, Fla.
WXY	*	1000	Oklahoma City
WBL	*	2000	Stevens Point, Wis.

910 kilocycles 329.6 meters

CFQC	†	500	Saskatoon, Sask.
CHNS	*	500	Halifax, N. S.
CJGG	*	5000	London, Ont.
CNRH	*	500	Halifax, N. S.
CNRL	*	500	London, Ont.
CNRS	*	500	London, Ont.
XEW	†	5000	Saskatoon, Sask.

920 kilocycles 325.9 meters

HHK	*	1000	Port au Prince, Haiti
KFEL	†	500	Denver, Colo.
KFXF	†	500	Denver, Colo.
KOMO	†	1000	Seattle, Wash.
KPRC	†	1000	Houston, Texas
WAAF	†	500	Chicago, Ill.
WBSO	†	500	Nedham, Mass.
WVJ	†	1000	Detroit, Mich.
XFF	†	250	Chihuahua, Mexico

930 kilocycles 322.4 meters

CFCH	†	100	North Bay, Ont.
CFCL	†	3	Prescott, Ont.
CFRC	†	50	Kingston, Ont.
CJCA	†	500	Edmonton, Alta.
CMGD	†	250	Havana, Cuba
CMGN	†	250	Havana, Cuba
CMJF	†	50	Camaguey, Cuba
KFWJ	†	500	San Francisco, Cal.
KGBZ	†	500	York, Nebr.
KMA	†	500	Shenandoah, Iowa
KROW	†	500	Oakland, Cal.
WBRC	†	500	Birmingham, Ala.
WDBJ	†	250	Ronoke, Va.
WIBG	†	25	Elkins Park, Pa.

940 kilocycles 319.0 meters

KGU	†	1000	Honolulu, Hawaii
KOIN	†	1000	Portland, Oregon
WAAT	†	300	Jersey City, N. J.
WCSH	†	1000	Portland, Maine
WDAY	†	1000	Fargo, N. D.
WFTW	†	1000	Hopkinsville, Ky.
WHA	†	750	Madison, Wis.
XEO	†	5000	Mexico City

950 kilocycles 315.6 meters

CMHD	†	250	Caibarien, Cuba
KFWL	†	1000	Hollywood, Cal.
KGHL	†	1000	Billings, Mont.

C. A. Munro, Ltd.
Dr. C. M. Geldert
Dougall Motor Car Corp.
Raoul Karman
Francisco Lavin
Henry Field Co.
Church of the Nazarene
University of South Dakota
Georgia School of Technology
University of Illinois
The Outlet Co.
Radio Corp. of Porto Rico
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Canadian National Railways
Mexico Music Co.

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May Seed & Nursery Co.
Educational Broadcasting Corp.
Birmingham Broadcasting Co., Inc.
Times-World Corp.
St. Paul & P. E. Church.

Marion A. Mulrony
KOIN, Inc.
Bremer Broadcasting Corp.
Congress Square Hotel Co.
WDAY, Inc.
WFTW, Inc.
University of Wisconsin
National Revolucionario Party

Manuel Alvarez
Warner Bros. Broadcasting Corp.
Northwestern Auto Supply Co., Inc.

KMBC * 1000 C
T14NRH † 75 948
WRC † 500 N

960 kilocycles 312.3 meters

CHWC	*	500	Regina, Sask.
CJBR	†	500	Regina, Sask.
CKCK	†	500	Regina, Sask.
CKNC	†	500	Toronto, Ont.
CMBC	†	500	Havana, Cuba
CMBD	†	150	Havana, Cuba
CNBR	†	965	Regina, Sask.
CNRX	†	500	Toronto, Ont.
XED	*	1000	Reynosa, Mexico

970 kilocycles 309.1 meters

CMGF	*	50	Matanzas, Cuba
KJIR	*	5000	Seattle, Wash.
WCFL	†	1500	Chicago, Ill.

980 kilocycles 305.9 meters

CFGN	†	10000	Calgary, Alta.
KDKA	†	50000	Pittsburgh, Pa.
XEFE	†	101	Laredo, Mexico

990 kilocycles 302.8 meters

WBZ-A	†	15000	Springfield-Boston
XEK	†	101	Mexico City

1000 kilocycles 299.8 meters

KFVD	*	250	Dn
WHO	*	5000	IN
WOC	*	5000	IN
XEI	*	101	---

1010 kilocycles 296.8 meters

CHCK	---	100	Charlottetown, P. E. I.
CHCS	---	500	Hamilton, Ont.
CKIC	---	50	Wolville, N. S.
CKOC	---	500	Hamilton, Ont.
CMBW	---	150	Havana, Cuba
CMBZ	---	500	Havana, Cuba
KGGF	†	500	S. Coifeville, Okla.
KQW	†	500	New York City
WRN	*	250	New York City
WIS	*	500	Columbia, S. C.
WLAP	†	250	Louisville, Ky.
WNAP	*	250	Norman, Okla.
WQAO	*	250	New York City
WRNY	---	250	New York City
XEQ	---	1000	Juarez, Mexico

1020 kilocycles 293.9 meters

CMJH	---	15	1017
KPKX	---	10000	IN
KYW	---	10000	IN
WRAX	†	250	D

1030 kilocycles 291.1 meters

CFCF	*	500	N
CMKC	*	150	1034
CNRY	†	500	---
XEB	†	1000	---
XEV	---	101	1034

1040 kilocycles 288.3 meters

KRLD	*	10000	IC
KTHS	†	10000	IN
WKAR	†	1000	Dn
WMAK	*	1000	Dn

Midland Broadcasting Co., Inc.
Armando Cespedes
National Broadcasting Co., Inc.

R. H. Williams & Sons, Ltd.
Cooperative Wheat Producers, Ltd.
Leader Publishing Co., Ltd.
Canadian National Carbon Co., Ltd.
Domingo Fernandez
Luis Perez Garcia
Canadian National Railways
Canadian National Railways
International Broadcasting Co.

Bernabe R. de la Torre
Northwest Broadcasting System, Inc.
Chicago Federation of Labor

Western Broadcasting Co.
Westinghouse Elec. & Mfg. Co.
Rafael T. Carranza

Westinghouse Elec. & Mfg. Co.
Arturo Martinez

Los Angeles Broadcasting Co.
Central Broadcasting Co.
Central Broadcasting Co.
Carlos Gutierrez M.

W. E. Burke
The Hamilton Spectator
Acadia University
Wentworth Radio Broadcasting Co.
Modesto Alvarez
Manuel y G. Salas
Powell & Platz
Pacific Agricultural Foundation, Ltd.
Marcus Loeb Booking Agency
South Carolina Broadcasting Co., Inc.
American Broadcasting Corp. of Ky.
University of Oklahoma
Palisades Amusement Park
Calvary Baptist Church
Aviation Radio Station, Inc.
Feliciano Lopez Islas

Luis Marauri
Westinghouse Elec. & Mfg. Co.
Westinghouse Elec. & Mfg. Co.
WRAX Broadcasting Co.

Canadian Marconi Co.
M. P. Martinez
Canadian National Railways
El Buen Tono, S. A.
Ciro Molina

KRLD Radio Corp.
Chamber of Commerce
Michigan State College
Buffalo Broadcasting Corp.

1050 kilocycles 285.5 meters

KFBI * 5000 Dn Milford, Kansas
KNX * 5000 ... Hollywood, Cal.

1060 kilocycles 282.8 meters

KWJJ * 500 Dn Portland, Ore.
WBAL * 10000 IN Baltimore, Md.
WJAG * 1000 Dn Norfolk, Nebr.
WTIC * 50000 IN Hartford, Conn.

1070 kilocycles 280.2 meters

CNMBG -- 150 ... Havana, Cuba
CMCB * 150 ... Havana, Cuba
KJBS * 100 D San Francisco, Cal.
WCZ * 50 D Carthage, Ill.
WDZ † 100 D Tuscola, Ill.
WTAM * 50000 N Cleveland, Ohio

1080 kilocycles 277.6 meters

WBT * 5000 C Charlotte, N. C.
WCBD * 5000 1 Dn Zion, Ill.
WMBI * 5000 1 Dn Chicago, Ill.

1090 kilocycles 275.1 meters

KMOX * 50000 C St. Louis, Mo.
XEL -- 10 1091 Saitillo, Mexico

1100 kilocycles 272.6 meters

KGDM * 250 DX Stockton, Cal.
WLWL * 5000 1 New York City
WPG * 5000 1C Atlantic City, N. J.

1110 kilocycles 270.1 meters

CMHI -- 15 Dn Santa Clara, Cuba
KSOO * 2500 Dn Sioux Falls, S. D.
WRVA * 5000 N Richmond, Va.

1120 kilocycles 267.7 meters

CFCa † 500 ... Toronto, Ont.
CFJC -- 100 ... Kamloops, B. C.
CHGS -- 100 ... Summerside, P. E. I.
CJOC † 100 ... Lethbridge, Alta.
KFJO † 1000 D Spokane, Wash.
KFSG † 500 D Los Angeles, Cal.
KMCS † 500 3Y Inglewood, Cal.
KRCS † 50 D Seattle, Wash.
KTRH * 500 2C Houston, Texas
WDEL † 250 +X Orlando, Fla.
WHAD † 250 1C Milwaukee, Wis.
WISN † 250 1C Milwaukee, Wis.
WTAW † 500 College Station, Texas

1130 kilocycles 265.3 meters

KSI * 5000 N Salt Lake City
WJVD * 20000 C Dn Moosherart, Ill.
WVJ * 1000 D New York City
XEE * 108 Oaxaca, Mexico
XEH -- 5000 1132 Monterrey, Mexico

1140 kilocycles 263.0 meters

KVOO * 5000 IN Tulsa, Okla.
WAPI * 5000 IN Birmingham, Ala.
XETA -- 500 Mexico City

1150 kilocycles 260.7 meters

CMCQ * 600 ... Havana, Cuba
CMQ † 250 ... Havana, Cuba
WHAM * 5000 N Rochester, N. Y.

1160 kilocycles 258.5 meters

WOWO * 10000 1C Ft. Wayne, Ind.
WWVA * 5000 1C Wheeling, W. Va.

1170 kilocycles 256.3 meters

WCAU * 10000 C Philadelphia, Pa.

1180 kilocycles 254.1 meters

KEX * 5000 2 Portland, Ore.
KOB * 20000 2 State College, N. M.
WDGJ * 1000 1 Dn Minneapolis, Minn.
WGBS * 500 ... New York City
WMAZ † 500 ... Macon, Ga.

1190 kilocycles 252.0 meters

WOAI * 50000 N San Antonio, Texas

1200 kilocycles 249.9 meters

CKOV -- 100 Kelowna, B. C.
CMGB -- 30 Matanzas, Cuba
CMJA -- 30 Camaguey, Cuba
KBTM † 100 D Paragould, Ark.
KFJB * 100 + Marshalltown, Iowa
KFWF * 100 + St. Louis, Mo.
KGDE * 100 + Fergus Falls, Minn.
KGDY * 100 ... Huron, S. D.
KGEK † 100 9 Yuma, Colo.
KGEW † 100 9 Fort Morgan, Colo.
KGFJ † 100 Los Angeles, Cal.
KGGI * 100 Little Rock, Ark.
KGY † 10 Lacey, Wash.
KMLB -- 100 D Monroe, La.
KMSR -- 100 Santa Maria, Cal.
KVOS, Inc. -- 100 Bellingham, Wash.
KWG -- 100 Stockton, Cal.
WABI † 100 Bangor, Maine
WBBZ * 100 New Orleans, La.
WBBS * 100 Ponca City, Okla.
WBH -- 50 Huntsville, Ala.
WCAT † 100 Rapid City, S. D.
WCAX -- 100 Burlington, Vt.
WCLO † 100 Janesville, Wis.
WCOD † 100 Harrisburg, Pa.
WEPS † 100 Worcester, Mass.
WFAM † 100 South Bend, Ind.
WFBC * 50 Knoxvill, Tenn.
WFRB † 10 Cincinnati, Ohio
WHBY † 10 Green Bay, Wis.
WIBX * 100 Utica, N. Y.
WIL -- 100 St. Louis, Mo.
WJBC * 100 La Salle, Ill.
WJBL † 100 Decatur, Ill.
WJCV † 100 New Orleans, La.
WJJC * 100 Lancaster, Pa.
WJLB * 100 Petersburg, Va.
WJWG * 100 Washington, Pa.
WNBW * 100 Carbondale, Pa.
WNBX † 10 Springfield, Vt.
WORC † 100 7CX Worcester, Mass.
WRBL † 50 Columbus, Ga.
WWAE * 100 Hammond, Ind.
XEA -- 101 Guadalajara, Mexico

1210 kilocycles 247.8 meters

CFBO * 100 Chatham, Ont.
CFCB * 500 Frederickton, N. B.
CJDR * 100 Sea Island, B. C.
CKMC † 100 Cobalt, Ont.
CKPC † 50 Preston, Ont.
KDFN † 100 Casper, Wyo.

Main Auto Supply Co.
West Virginia Broadcasting Corp.

Universal Broadcasting Co.

Western Broadcasting Co.
College of Agriculture & Mech. Arts
Dr. George W. Young
General Broadcasting System, Inc.
Southeastern Broadcasting Co., Inc.

Southern Equipment Co.

J. W. B. Browne
Jose Anorga
Pedro Noguera
W. J. Beard's Temple of Music
Marshall Electric Co., Inc.
St. Louis Truth Center, Inc.
Jaren Drug Co.
Voice of South Dakota
Beehler Elec. Equipment Co.
City of Fort Morgan
Ben S. McGlashan
Berean Bible Class
St. Marten's College
J. C. Limer
Santa Maria Radio
KVOS, Inc.
Portable Wireless Tel. Co., Inc.
Pine Tree Broadcasting Corp.
Samuel D. Reeks
C. L. Carrell
The Hutchens Co.
State School of Mines
Burlington Daily News
WCLO Radio Corp.
Kysone Broadcasting Corp.
Alfred Frank Kleindienst
South Bend Tribune
First Baptist Church
Post Publishing Co.
St. John's Catholic Church
St. Norbert's College
WIBX, Inc.
Missouri Broadcasting Corp.
Kaskaskia Broadcasting Co.
Commodore Broadcasting, Inc.
Charles C. Carlson, Jr.
Lancaster Broadcastg. Service Inc.
WLBG, Inc.
John Brownlee Springs
Home Cut Glass & China Co.
First Congregational Church
Alfred Frank Kleindienst
WRBL Radio Station, Inc.
Hammond-Calumet, Broad. Corp.
Alberto Palos Sauza

Western Ontario "Better Radio" Club
James S. Neill & Sons, Ltd.
G. C. Chandler
R. L. MacAdams
Metal Shingle & Siding Co.
Donald Lewis Hathaway

KIDL	1000	1	X	Boise, Idaho	Boise Broadcasting Station
WAAM	1000	1		Newark, N. J.	WAAM, Inc.
WAL	1000	2		Northfield, Minn.	St. Olaf College
WDSU	1000	C		New Orleans, La.	Jos. H. Uhalt
WGCP	250	1		Newark, N. J.	May Radio Broadcast Corp.
WLB	1000	1		St. Paul, Minn.	University of Minnesota
WODA	1000	1		Paterson, N. J.	Richard E. O'Dea
WRHM	1000	2		Minneapolis, Minn.	Minnesota Broadcasting Corp.
XEFA	250	--		Mexico City	Luis F. Murguía

238.0 kilocycles

KOIL	1000	C		Council Bluffs, Iowa	Mona Motor Oil Co.
KRGV	500	1		Harlingen, Texas	KRGV, Inc.
KVOA	500	D		Tucson, Arizona	Robert M. Riculfi
KWVG	500	1		Brownsville, Texas	Herald Pub. Co.
WLBW	500	C+		Oil City, Pa.	Radio-Wire Program Corp.
WTCO	500	C		Savannah, Ga.	Savannah Broadcasting Co.

236.1 kilocycles

KGCA	50	2D		Decorah, Iowa	Charles W. Greenley
KOL	1000	C		Seattle, Wash.	Seattle Broadcasting Co., Inc.
KVOR	1000	C		Colorado Springs, Colo.	Reynolds Radio Co., Inc.
KWLC	100	2D		Decorah, Iowa	Luther College
WASH	500	1		Grand Rapids, Mich.	WASH Broadcasting Corp.
WFR	1000	D		Ithaca, N. Y.	Cornell University
WJDX	500	N		Baltimore, Md.	Baltimore Radio Show, Inc.
WOOD	1000	N		Jackson, Miss.	Lamar Life Insurance Co.
	500	1		Grand Rapids, Mich.	Kumsky-Trendle Broadcasting Corp.

234.2 kilocycles

CMCU	150	1285		Havana, Cuba	Jorge Garcia Serra
CMCW	150	1285		Havana, Cuba	Jose Lorenzo
KFBM	1000	1		Great Falls, Mont.	Buttrey Broadcast, Inc.
WCAM	500	1		Camden, N. J.	City of Camden
WCAP	500	1		Asbury Park, N. J.	Radio Industries Broadcast Co.
WDD	1000	1	C	WDOO Broadcasting Co.	WDOO Broadcasting Co.
WIBA	500	1	N	Madison, Wis.	Badger Broadcasting Co.
WOAX	500	1		Trenton, N. J.	WOAX, Inc.
WRR	500	C		Dallas, Texas	City of Dallas

232.4 kilocycles

KDYL	1000	C		Salt Lake City	Intermountain Broadcasting Corp.
KFUL	500	1		Galveston, Texas	News Publishing Co.
KLCN	500	D		Blytheville, Ark.	C. L. Lintzheim
KTSA	1000	1	C	San Antonio, Texas	Lone Star Broadcast Co.
WBCB	1000	1	N	Superior, Wis.	Lead of Lake Broadcasting Co.
WJAS	1000	C+		Pittsburgh, Pa.	Pittsburgh Radio Supply House
WNBZ	50	D		Saranac Lake, N. Y.	Smith & Mace

230.6 kilocycles

KFAC	1000	4		Los Angeles, Cal.	Los Angeles Broadcasting Co.
KFH	500	2C		Wichita, Kansas	Radio Station KFH Co.
KFJR	500	3		Portland, Ore.	Ashley C. Dixon & Son
KGFE	1000	4		Los Angeles, Cal.	Trinity Methodist Church
KTBR	500	3		Portland, Ore.	M. E. Brown
WBRR	1000	1		Brooklyn, N. Y.	People's Pulpit Association
WEVD	500	1		New York City	Debs Memorial Radio Fund, Inc.
WHAP	1000	1		New York City	Defenders of Truth Society, Inc.
WHAZ	500	1		Troy, N. Y.	Rensselaer Polytechnic Institute
WIOD	1000	1	N	Miami, Fla.	Isle of Dreams Broadcasting Corp.
WOO	1000	2		Kansas City, Mo.	Unity School of Christianity
XETY	2000	--		Mexico City	Juan Gutierrez, Jr.

228.9 kilocycles

KCRI	100	---		Jerome, Arizona	Chas. C. Robinson
KFBK	100	---		Sacramento, Cal.	Jas. McClatchy Co.
KFGO	100	7		Boone, Iowa	Boone Biblical College
KFYI	100	7		Ft. Dodge, Iowa	C. S. Tunwall
KFPL	15	---		Dublin, Texas	C. C. Baxter
KFFM	100	8		Greenville, Texas	The New Furniture Co.
KFLP	100	8		Denver, Colo.	Fitzsimmons General Hospital
KFXJ	100	8		Grand Junction, Colo.	Western Slope Broadcasting Co.

KDLR	100	+		Devil's Lake, N. D.	KDLR, Inc.
KFOR	100	+		Lincoln, Nebr.	Hirsch Battery & Radio Co.
KFVS	100	9		Cape Girardeau, Mo.	J. C. & E. W. Lee
KFCM	100	+		Watertown, S. D.	Greater Kampeska Radio Corp.
KGCR	100	+		Dodge City, Kansas	Dodge City Broadcasting Co.
KGNO	100	+		Fresno, Cal.	James McClatchy Co.
KMJ	50	+		Pasadena, Cal.	Pasadena Presbyterian Church
KPCC	100	9		Shreveport, La.	Helo World Broadcasting Corp.
KWEA	100	+		Zanesville, Ohio	Roy W. Waller
WBAX	100	1		Wilkes-Barre, Pa.	John H. Stenger, Jr.
WBBL	100	7S		Richmond, Va.	Grace Covenant Pres. Church
WBSB	100	3		Springfield, Ill.	H. L. Dewing & Chas. Messter
WCOH	100	4		Yonkers, N. Y.	Westchester Broadcasting Corp.
WCRW	100	3		Chicago, Ill.	Clinton R. White
WDFW	100	5		Providence, R. I.	Cherry & Webb Broadcasting Co.
WDEQ	100	6		Harrisburg, Ill.	First Trust & Savings Bank
WEDC	100	4		Chicago, Ill.	Emil Denemark, Inc.
WGBB	100	3		Freeport, N. Y.	Harry H. Carman
WGBM	100	+		Gulfport, Miss.	Great Southern Land Co., Inc.
WHBF	100	---		Rock Island, Ill.	Beardsley Specialty Co.
WHBU	100	+		Anderson, Ind.	Citizens Bank
WJBU	100	---		Poynette, Wis.	Wm. C. Forrest
WJBI	100	3		Red Bank, N. J.	Monmouth Broadcasting Co.
WJBY	100	3		Lewisburg, Pa.	Bucknell University
WJW	100	3		Gadsden, Ala.	Gadsden Broadcasting Co., Inc.
WJWB	100	7		Manfield, Ohio	Mansfield Broadcasting Assn.
WLCI	50	---		Richmond, Va.	Lutheran Assn. of Ithaca
WMBG	100	---		Richmond, Va.	Havens & Martin, Inc.
WMRJ	100	3		Jamaica, N. Y.	Peter J. Prinz
WOCL	25	---		Amestown, N. Y.	A. E. Newton
WOMT	100	---		Manitowoc, Wis.	Francis M. Kadow
WPAW	100	5		Pawtucket, R. I.	Shartenburg & Robinson Co.
WPRD	100	5		Providence, R. I.	Cherry & Webb Broadcasting Co.
WQDX	100	---		Thomsville, Ga.	Stevens Luke
WRBQ	100	4		Greenville, Miss.	J. Pat. Scully
WRSB	100	+		Chicago, Ill.	World Battery Co., Inc.
WSEN	100	---		Columbus, Ohio	Columbus Broadcasting Co.
WSIX	100	---		Springfield, Tenn.	638 Tire & Vulcanizing Co.
WSOC	100	2		Gastonia, N. C.	WSOC, Inc.
WTOX	100	2		Springfield, Ill.	WTAX, Inc.
XEX	500	---		Mexico City	Excelsior, Cia Editorial S. A.

245.8 kilocycles

CMBY	350	1225		Havana, Cuba	Callejas-Coscuelluela
CMCA	150	1225		Havana, Cuba	Manuel Cruz
KFKU	500	1		Lawrence, Kansas	University of Kansas
KTW	1000	+		Seattle, Wash.	First Presbyterian Church
KWSC	1000	+		Pullman, Wash.	State College of Washington
WCAD	500	D		Canton, N. Y.	St. Lawrence University
WCAE	1000	N		Pittsburgh, Pa.	WCAE, Inc.
WDAE	1000	C		Tampa, Fla.	Tampa Publishing Co.
WREN	1000	1N		Lawrence, Kansas	Jenny Wren Co.

243.8 kilocycles

KFOD	100	+		Anchorage, Alaska	Anchorage Radio Club
KGCM	250	+		New Mexico	New Mexico Broadcasting Co.
KYA	1000	2		Albuquerque, N. Mex.	Pacific Broadcasting Corp.
WBLS	1000	7		San Francisco, Cal.	Shepard Broadcasting Service, Inc.
WBEM	1000	1C		Boston, Mass.	Indianapolis Power & Light Co.
WNAC	1000	2C		Boston, Mass.	Shepard Broadcasting Service, Inc.
WPSB	500	D		State College, Pa.	Pennsylvania State College
WSBT	500	1		South Bend, Ind.	South Bend Tribune

241.8 kilocycles

CMAB	20	1249		Pinar del Rio, Cuba	Francisco Martinez
KGCU	250	3		Mandan, N. D.	Mandan Radio Assn.
KLPM	1000	3		Minot, N. D.	John B. Cooley
KTAT	1000	1C		Ft. Worth, Texas	S. A. T. Broadcast Co.
WACO	1000	1C		Waco, Texas	Central Texas Broadcasting Co., Inc.
WXYZ	1000	C		Detroit, Mich.	Kumsky-Trendle Broadcasting Corp.

239.9 kilocycles

KEMX	1000	2		Northfield, Minn.	Carleton College
KFOX	1000	---		Long Beach, Cal.	Nichols & Warinner, Inc.

Call Sign	Kilocycles	Frequency	City	Company/Individual
KEXR	100	+	Oklahoma City	Exchange Ave. Baptist Church
KGBX	100	+	St. Joseph, Mo.	KGBX, Inc.
KGCX	100	+	Wolf Point, Minn.	First State Bank of Vida
KGEZ	100	+	Kalisell, Mont.	Centra-Church Broadcasting Co.
KGFW	100	Y	Ravenna, Nebr.	Centra-Nebraska Broadcasting Corp.
KIT	50	---	Yakima, Wash.	Carl E. Raymond
KIMD	100	---	Medford, Ore.	Mrs. W. J. Virgin
KRMD	100	9	Shreveport, La.	Robert M. Dean
KTLC	100	---	Houston, Texas	Houston Broadcasting Co.
KTSM	100	9Y	Shreveport, La.	G. A. Houseman
KWCR	100	2	El Paso, Texas	W. S. Bledsoe & W. T. Blackwell
KXRO	100	7	Cedar Rapids, Iowa	Cedar Rapids Broadcast Co.
WBEO	100	CP	Aberdeen, Wash.	KXRO, Inc.
WBRE	100	---	Marquette, Mich.	Lake Superior Broadcasting Co.
WBWA	100	---	Terre Haute, Ind.	Banks of Wabash, Inc.
WFBG	100	1	Wilkes-Barre, Pa.	WCLS, Inc.
WFDW	100	2	Joliet, Ill.	Howell Broadcasting Co., Inc.
WFDY	100	2	El Paso, Texas	Howell Oak Broadcasting Co.
WGH	100	3X	Royal Oak, Mich.	Royal F. Gable Co.
WHA	100	---	Altoona, Pa.	Wm. F. Gable Co.
WJAC	100	D	Flint, Mich.	Rome Broadcasting Corp.
WJAK	100	5	Rome, Ga.	WGAL, Inc.
WJKB	100	---	Lancaster, Pa.	Hampton Roads Broadcasting Corp.
WJLC	100	---	Newport News, Va.	Independence Broadcasting Co.
WJNB	100	4	Philadelphia, Pa.	Johnstown Automobile Co.
WJOC	100	6Y	Johnstown, Pa.	Truth Publishing Co., Inc.
WJON	100	---	Marion, Ind.	Laconia Radio Club
WJOW	100	1	Laconia, N. H.	Sanders Bros. Radio Station
WJTB	100	6	Birmingham, Ala.	R. B. Broyles Furniture Co.
WJWC	100	---	Galesburg, Ill.	Perrill N. Nelson
WJWB	100	5	Muncie, Ind.	Donald A. Burton
WJXD	100	---	Auburn, N. Y.	Radio Service Laboratories
WJZE	100	---	New Bedford, Mass.	New Bedford Broadcasting Co.
WJZL	100	5X	Washington, D. C.	American Broadcasting Co.
WJZM	100	---	Reading, Pa.	Reading Broadcasting Co.
WJZP	100	---	Knoxville, Tenn.	Stewart Broadcasting Co.
WJZQ	100	---	Grove City, Pa.	Grove City College
WJZR	100	---	Winston-Salem, N. C.	Winston-Salem Journal Co.
WJZS	100	4	Philadelphia, Pa.	Foulkrod Radio Engineering Co.
WJZT	100	---	Jackson, Tenn.	Sun Publishing Co.
WJZU	100	---	Jackson, Tenn.	Sun Publishing Co.

Call Sign	Kilocycles	Frequency	City	Company/Individual
KGHF	250	+	Pueblo, Colo.	C. P. Ritchie & J. E. Finch
KGMB	250	1+	Honolulu, Hawaii	Honolulu Broadcasting Co., Ltd.
KID	250	1+	Idaho Falls, Idaho	KID Broadcasting Co.
KTFI	250	1+	Twin Falls, Idaho	Radio Broadcasting Corp.
WADC	1000	C	Akron, Ohio	Allen T. Simmons
WSMB	500	N	New Orleans, La.	Saenger Theatre & Maison Blanche Co.

Call Sign	Kilocycles	Frequency	City	Company/Individual
KGB	500	C	San Diego, Cal.	Don Lee, Inc.
KSCJ	1000	1+C	Sioux City, Iowa	Perkins Bros. Co.
WDRG	500	C	Hartford, Conn.	WDRG, Inc.
WSAI	500	N	Cincinnati, Ohio	Crosley Radio Corp., Lessee
WTAQ	1000	1C	Eau Claire, Wis.	Gillette Rubber Co.
XEC	50	1333	Toluca, Mexico	Jesus R. Benavides

Call Sign	Kilocycles	Frequency	City	Company/Individual
CMCG	30	1345	Havana, Cuba	Feliciano Isaac
CMCR	150	1345	Havana, Cuba	The Bee, Inc.
CMCY	15	1345	Havana, Cuba	KQV Broadcasting Co.
KFPW	50	D	Fort Smith, Ark.	Iowa Broadcasting Co.
KFPY	1000	C	Spokane, Wash.	WKBH, Inc.
WCOA	500	C	Pensacola, Fla.	Stanley M. Krohn, Jr.
WSPD	1000	C	Toledo, Ohio	Arkanas Broadcasting Co.

Call Sign	Kilocycles	Frequency	City	Company/Individual
KWK	1000	N	St. Louis, Mo.	Arkanas Broadcasting Co.
WAWZ	250	1	Zarephath, N. J.	Nielson Radio & Sporting Goods Co.
WBX	250	1	New York City	University of Arkansas
WCDA	250	1	New York City	Radio Air Service Corp.
WEHC	500	D	Emory, Va.	Francisco Mayorquim
WMSG	250	1	New York City	Armado Romeu

Peoria Broadcasting Co.
Allentown Call Publishing Co., Inc.
Illinois Medicine Broadcasting Corp.

Peoria Heights, Ill.
Allentown, Pa.
Quincy, Ill.

WMBD * 500 3+
WSAN * 250 1
WTAD † 500 3

1450 kilocycles 206.8 meters

KTBS * 1000
WBMS * 250
WGAR † 500
WHOM † 500
WKBO * 250
WNJ * 250
WSAR * 250
WTFI * 500

Shreveport, La.
Hackensack, N. J.
Cleveland, Ohio
Jersey City, N. J.
Newark, N. J.
Fall River, Mass.
Toccoa, Ga.

Tri-State Broadcasting System, Inc.
WBNS Broadcasting Corp.
WGAR Broadcasting Corp.
New Jersey Broadcasting Corp.
Carnith Corp.
Radio Investment Co.
Doughty & Welch Electric Co., Inc.
Toccoa Falls Broadcasting Co.

1460 kilocycles 205.4 meters

KSTP * 10000 N
WJSV * 10000 ---

St. Paul, Minn.
Alexandria, Va.

National Battery Broadcasting Co.
Independent Publishing Co.

1470 kilocycles 204.0 meters

KGA † 5000
WLAC † 5000

Spokane, Wash.
Nashville, Tenn.

Northwest Broadcasting System, Inc.
Life & Casualty Insurance Co.

1480 kilocycles 202.6 meters

KFJF * 5000 C
WKBW * 5000 C

Oklahoma City
Buffalo, N. Y.

National Radio Mfg. Co.
Buffalo Broadcasting Co., Lessees

1490 kilocycles 201.2 meters

TJW * 5000 7.5
WCHI * 5000 IN
WCKY * 5000 IN
WJAZ * 5000 1

Hamilton, Bermuda
Chicago, Ill.
Covington, Ky.
Chicago, Ill.

People's Pulpit Association
L. B. Wilson, Inc.
Zenith Radio Corp.

1500 kilocycles 199.9 meters

CMBL * 20
CMBQ * 50
CMBR * 15
KDB * 100
KGFI * 100
KGFK * 50
KGKZ * 100
KGYK * 100
KPJM * 100
KREG * 50
KUT * 100
KXO * 100
WDIX * 100
WKBV * 100
WLBX * 50
WLOE * 100
WMBQ * 100
WMIL * 100
WNEF * 100
WOPJ * 100
WPEN * 100
WRDW * 100
WSYB * 100
WWRL * 100
WWSW * 100

Havana, Cuba
Havana, Cuba
Havana, Cuba
Santa Barbara, Cal.
Corpus Christi, Texas
Moorhead, Minn.
Grant City, Mo.
Tyler, Texas
Scottsbluff, Nebr.
Prescott, Arizona
Wenatchee, Wash.
Santa Ana, Cal.
Austin, Texas
El Centro, Cal.
Tupelo, Miss.
Connersville, Ind.
Ludington, Mich.
Long Island City, N. Y.
Boston, Mass.
Newport, R. I.
Brooklyn, N. Y.
Brooklyn, N. Y.
Lapeer, Mich.
Binghamton, N. Y.
Bristol, Tenn.
Philadelphia, Pa.
Augusta, Ga.
Rutland, Vt.
Woodside, N. Y.
Pittsburgh, Pa.

Julio C. Hidalgo
Gail-Sadinas
Tomas Basals
Santa Barbara Broadcasters, Ltd.
Eagle Broadcasting Co., Inc.
Red River Broadcasting Co., Inc.
Grant City Park Corp.
Eagle Publishing Co.
Hilliard Co., Inc.
A. P. Miller
Wescoast Broadcasting Co.
J. S. Edwards
Driskill Hotel
E. R. Irely and F. M. Bowles
North Mississippi Broadcasting Corp.
Knox Battery & Electric Co.
K. L. Ashbacher
John N. Brahy
Boston Broadcasting Co.
LeRoy Joseph Beebe
Paul J. Gollhofer
Arthur Faske
First M. P. Church
Howitt, Wood Radio Co., Inc.
Radiophone Brcdstg. Station, Inc.
Wm. Penn Broadcasting Co.
Musicove, Inc.
Philip Weiss Music Co.
Long Island Broadcasting Corp.
William S. Walker

College for Women
Purdue University
Brooklyn Broadcasting Corp.
U. S. Broadcasting Corp.
General Broadcasting Corp.
Paramount Broadcasting Co.
Indianapolis Broadcasting, Inc.
The Voice of Brooklyn, Inc.
La Voz Latino

KOCW * 750
WBAA † 500
WBBC † 500
WCGY * 500
WCGM * 500
WFOJ † 500
WKBF † 500
WLTH * 250

Rockford Broadcasters, Inc.
Fish Radio Service
Bay State Broadcasting Corp.
James E. Davidson
National Radio & Broadcasting Corp.
Press Pub. Co.
Daily Telegraph
Mobile Broadcasting Corp.
Richmond Development Corp.
Montgomery Broadcasting Co., Inc.

Chickasha, Okla.
Lafayette, Ind.
Brooklyn, N. Y.
Brooklyn, N. Y.
Suiter, Ind.
Brooklyn, N. Y.
Indianapolis, Ind.
Brooklyn, N. Y.
Laredo, Mexico

1410 kilocycles 212.6 meters

KFLV * 500
KGRS * 1000
WAAB * 500
WBCA * 500
WDGC * 1000
WHBL * 500
WHIS * 250
WHDX * 500
WRBX * 250
WSFA † 500

Alamo Broadcasting Co.
Benson Polytechnic Institute
Reporter Printing Co.
W. E. Riker
KFQW, Inc.
Frank E. Hurt
Albert H. Scherman
T. E. Kirksey
KGGF Broadcasting Co.
Golden Gate Broadcasting Co.
Leonard E. Wilson
Las Vegas, Nevada, Radio Corp.
C. E. Twiss and F. H. McCann
Mosby's Incorporated
Red Oak Radio Corp.
Eugene Broadcasting Station
KXL Broadcasters, Inc.
Harris County Broadcasting Co.
Aroostook Broadcasting Corp.
Harry C. Whitehill
Erle Dispatch-Herald
WEHS, Inc.
Enquirer-News Co.
Raymond G. Hammett
WHFC, Inc.
Iowa Broadcasting Co.
George W. Robinson
Delaware Broadcasting Co., Inc.
Valdemar Jensen
Marius Johnson
WKBI, Inc.
WLBK Broadcasting Co.
Michigan Broadcasting Co., Inc.
Edwin Dudley Aber
Paducah Broadcasting Co.
Voice of South Carolina
Associated Broadcasting Corp.

1420 kilocycles 211.1 meters

KABC † 100
KBCS † 100
KFIZ * 100
KFOL * 100
KFOW * 100
KFYV * 100
KFYV * 100
KGFJ † 100
KGGC † 100
KGIW † 100
KGGX † 100
KGGX † 100
KGGV † 100
KICK * 100
KORE * 100
KXL * 100
KXYZ * 100
WAGM * 100
WDEH * 50
WEDH * 50
WELL * 100
WELL * 50
WFDW * 100
WHFC * 100
WIAS * 100
WIBR * 50
WILM * 100
WJBO * 100
WJMS * 100
WKBI * 100
WLBK * 100
WMBB * 100
WMBH * 100
WPAD * 100
WSPA * 100
WTBO * 100

San Antonio, Texas
Portland, Ore. Wis.
Fond du Lac, Wis.
Holy City, Cal.
Seattle, Wash.
Nampa, Idaho
Flagstaff, Arizona
Abilene, Texas
Shawnee, Okla.
San Francisco, Cal.
Trinidad, Colo.
Las Vegas, Nevada
Sand Point, Idaho
Missoula, Montana
Red Oak, Iowa
Eugene, Ore.
Portland, Ore.
Houston, Texas
Presque Isle, Maine
Waterbury, Vt.
Erie, Pa.
Cicero, Ill.
Battle Creek, Mich.
Arliston, Ala.
Cicero, Ill.
Ottumwa, Iowa
Steubenville, Ohio
Wilmington, Del.
New Orleans, La.
Ironwood, Mich.
Cicero, Ill.
Kansas City, Kansas
Detroit, Mich.
Joplin, Mo.
Paducah, Ky.
Spartanburg, S. C.
Cumberland, Md.

1430 kilocycles 209.7 meters

KECA † 1000
KGNF † 500
WBAK * 500
WFAA * 500
WHEC * 500
WHBR * 500
WHPB * 500
WOKO † 500

Earle C. Anthony, Inc.
Great Plains Broadcasting Co.
Penn. State Police
Commercial Radio Service Co.
Rines Hotel Co.
Memphis Broadcasting Co.
Hickson Electric & Radio Corp.
WHP, Inc.
Memphis Broadcasting Co.
WOKO, Inc.

1440 kilocycles 208.2 meters

KLS * 250
WBIG * 500
WCBG * 250

Oakland, Cal.
Greensboro, N. C.
Allentown, Pa.

State	City	Watts	Keys	Call Letters	Frequency	Call Letters	Frequency	Call Letters	Frequency
ALABAMA	Anniston O-22	100	1420	KQW	1010	Shenandoah J-16	500	KFNF	890
	Birmingham O-21	5000	1140	KREG	1500	Sioux City I-15	500	KMA	930
		500	930	KDB	1500	Waterloo I-17	500	KSCJ	1300
		100	1310	KSNR	1200			WMT	600
		100	1210	KGDM	1130				
ALASKA	Gadsden O-21	100	1210	KWG	1200	KANSAS			
	Huntsville N-21	50	1310			Dodge City L-13	100	KGNO	1210
	Mobile Q-20	50	1200			Kansas City K-16	100	WLBF	1420
	Montgomery P-21	500	1410			Lawrence K-16	500	KFKU	1220
								WREN	1220
ARIZONA	Flagstaff M-7	100	1420	KVOR	1270	Manhattan K-15	500	KSAC	580
	Jerome M-6	500	1390	KFEL	920	Milford K-14	500	KFBL	1050
	Phoenix N-6	500	620	KFXF	560	Topeka K-16	1000	WIBW	580
	Prescott M-6	100	1500	KLA	830	Wichita L-15	1000	KFH	1300
	Tucson O-7	500	1370	KPOF	880				
ARKANSAS	Blytheville M-19	50	1290	KPEW	1200	KENTUCKY			
	Fayetteville M-16	1000	1340	KFXJ	1310	Covington K-22	5000	WKY	1490
	Fort Smith N-16	10000	1040	KFKA	880	Hopkinsville M-20	1000	WFIW	940
	Hot Springs N-17	100	1200	KGHV	1320	Louisville L-21	10000	WHAS	820
	Little Rock N-17	250	890	KGHV	1420			WLAP	1010
CALIFORNIA	Paragould M-18	100	1200	KGEK	1200			WPAD	1420
	Berkeley J-2	100	1370	KRE	600	LOUISIANA			
	Beverly Hills M-3	500	780	KMPC	1330	Monroe P-18	100	KMLB	1200
	Burbank M-3	250	1000	KELW	600-1060	New Orleans R-19	100	WABZ	1250
	El Centro N-4	100	1500	KXO	600			WDSU	1250
CONNECTICUT	Fresno K-2	100	1210	KTHS	1040			WJBO	1420
	Hollywood M-3	1000	950	KGHI	1200			WJBW	1200
	Holy City K-1	5000	570	KGJF	890			WSMB	1320
	Inglewood M-3	1000	1050	KLRA	1390			WWL	850
	Long Beach M-3	1000	1420	KBTM	1200			KRMD	1310
FLORIDA	Clearwater R-24	1000	620	WFLA	620			KTSL	1310
	Gainesville Q-24	5000	830	WRUF	900			KWEA	1210
	Jacksonville Q-24	1000	1300	WJAX	900			KWKH	850
	Miami T-25	1000	560	WTOG	1120				
	Orlando R-24	500	1340	WQAM	620				
GEORGIA	Pensacola Q-21	1000	1220	WDBO	1370				
	St. Petersburg S-24	1000	620	WCOA	1220				
	Tampa R-24	1000	1370	WSDN	1220				
	Atlanta O-22	250	890	WMBR	1370				
	Augusta O-23	5000	740	WGST	900				
HAWAII	Macon N-22	50	1200	WSDW	1500				
	Rome N-22	500	1180	WRBL	1200				
	Savannah O-24	100	1310	WMAZ	1180				
	Thomasville Q-22	500	1260	WFDY	1310				
	Topeka N-23	100	1210	WTOG	1260				
IDAHO	Honolulu	250	1320	WQDX	1370				
	Boise G-5	1000	1250	WJTL	1450				
	Idaho Falls G-7	250	1320	WTFI	1450				
	Nampa G-5	250	1420	KGMB	940				
	Pocatello H-7	500	680	KGU	1320				
ILLINOIS	Carthage J-18	10000	1020	KID	1250				
	Chicago I-20	10000	1130	KID	1320				
		25000	920	KID	1420				
		50000	560	KID	900				
		250000	830	KID	1420				
INDIANA	La Salle J-19	100	1120	KID	1320				
	Mooseheart I-19	500	1420	KID	1320				
	Peoria Heights J-19	500	1120	KID	1320				
	Quincy K-18	500	1420	KID	1320				
	Rockford I-19	500	1120	KID	1320				
IOWA	Ames I-17	5000	640	KID	1250				
	Boone I-17	1000	1310	KID	1000				
	Cedar Rapids I-18	500	1380	KID	1310				
	Clarinda J-16	1000	1260	KID	880				
	Council Bluffs J-16	5000	1000	KID	1200				
KANSAS	Davenport I-18	50	1270	KID	1420				
	Decorah H-18	5000	1270	KID	1420				
	Des Moines I-17	5000	1000	KID	1420				
	Fort Dodge I-16	100	1310	KID	1370				
	Iowa City I-18	500	880	KID	1370				
KENTUCKY	Marshalltown I-17	100	1420	KID	1320				
	Ottumwa J-17	100	1420	KID	1320				
	Red Oak J-16	100	1420	KID	1320				
		100	1420	KID	1320				
		100	1420	KID	1320				
LOUISIANA	Decatur K-19	100	600	KID	1320				
	Harrisburg J-18	500	1330	KID	1320				
	Joliet I-19	50000	600-1060	KID	600				
	La Salle J-19	250	1120	KID	1320				
	Mooseheart I-19	100	1420	KID	1320				
MARYLAND	Portland F-28	1000	940	KID	1370				
	Presque Isle D-29	100	1420	KID	1370				
		5000	850	KID	850				
		1000	1310	KID	1450				
		100	1210	KID	1210				
MAINE	Augusta F-28	100	1070	KID	1070				
	Bangor F-29	100	890	KID	1080				
		100	1370	KID	1370				
		500	1270	KID	1270				
		100	1420	KID	1420				
MASSACHUSETTS	Boston G-28	500	1410	KID	1410				
		1000	1230	KID	1230				
		1000	590	KID	590				
		1000	830	KID	830				
		1000	1500	KID	1500				
MICHIGAN	Fall River H-28	250	1450	KID	1450				
	Lexington G-28	500	920	KID	920				
	New Bedford H-28	1000	1310	KID	1310				
	Springfield H-27	15000	990	KID	990				
	Worcester G-28	100	1200	KID	1200				
MISSISSIPPI	Monroe P-18	100	1200	KID	1200				
	New Orleans R-19	100	1250	KID	1250				
		100	1420	KID	1420				
		5000	850	KID	850				
		5000	1310	KID	1310				
NEBRASKA	Lincoln K-20	100	630	KID	630				
	Urbana J-20	500	950	KID	950				
	Zion I-20	250	1310	KID	1310				
		5000	1080	KID	1080				
		100	1500	KID	1500				
NEW YORK	Albany J-21	100	1210	KID	1210				
	Comersville K-21	500	1400	KID	1400				
	Culver I-20	500	1370	KID	1370				
	Evansville L-20	500	1370	KID	1370				
	Fort Wayne J-21	10000	1160	KID	1160				
OHIO	Gary I-20	1000	1360	KID	1360				
	Hammond I-20	1000	1360	KID	1360				
	Indianapolis J-21	1000	1400	KID	1400				
	Lafayette J-20	500	1400	KID	1400				
	Marion J-21	50	1310	KID	1310				
PENNSYLVANIA	Muncie J-21	50	1310	KID	1310				
	South Bend I-20	500	1230	KID	1230				
	Terre Haute K-20	100	1310	KID	1310				
		5000	1080	KID	1080				
		100	1500	KID	1500				
TEXAS	Amarillo J-21	100	1210	KID	1210				
	Comstock K-21	500	1400	KID	1400				
	Culver I-20	500	1370	KID	1370				
	Evansville L-20	500	1370	KID	1370				
	Fort Wayne J-21	10000	1160	KID	1160				
VIRGINIA	Gary I-20	1000	1360	KID	1360				
	Hammond I-20	1000	1360	KID	1360				
	Indianapolis J-21	1000	1400	KID	1400				
	Lafayette J-20	500	1400	KID	1400				
	Marion J-21	50	1310	KID	1310				
WASHINGTON	Muncie J-21	50	1310	KID	1310				
	South Bend I-20	500	1230	KID	1230				
	Terre Haute K-20	100	1310	KID	1310				
		5000	1080	KID	1080				
		100	1500	KID	1500				
WEST VIRGINIA	Albany J-21	100	1210	KID	1210				
	Comersville K-21	500	1400	KID	1400				
	Culver I-20	500	1370	KID	1370				
	Evansville L-20	500	1370	KID	1370				
	Fort Wayne J-21	10000	1160	KID	1160				
WISCONSIN	Gary I-20	1000	1360	KID	1360				
	Hammond I-20	1000	1360	KID	1360				
	Indianapolis J-21	1000	1400	KID	1400				
	Lafayette J-20	500	1400	KID	1400				
	Marion J-21	50	1310	KID	1310				
MISSOURI	Muncie J-21	50	1310	KID	1310				
	South Bend I-20	500	1230	KID	1230				
	Terre Haute K-20	100	1310	KID	1310				
		5000	1080	KID	1080				
		100	1500	KID	1500				
MINNESOTA	Albany J-21	100	1210	KID	1210				

City	Call Letters	Watts	Kcys.	City	Call Letters	Watts	Kcys.	City	Call Letters	Watts	Kcys.
SOUTH DAKOTA	Brookings H-15	500	550	VIRGINIA	Alexandria K-26	10000	1460	Edmonton A-8	Edmonton A-8	250	580
Huron H-14	100	1200	1460	Arlington J-25	1000	1000	1460	CHMI	500	500	930
Mitchell H-14	100	1370	1370	Danville L-25	1000	1000	1370	CJCA	500	500	580
Pierre C-13	200	580	580	Emory L-23	500	500	1350	CKUA	1000	1000	1120
Rapid City H-12	100	1200	1200	Lynchburg L-25	1000	1000	1370	CHCT	1000	1000	840
St. Albans H-15	2500	1110	1110	Newport News L-26	1000	1000	1310	CKLC	1000	1000	840
Springfield L-13	500	890	890	Norfolk L-26	500	500	780	CNRD	1000	1000	840
Watertown C-15	100	1210	1210	Petersburg L-26	500	500	780				
Yankton L-15	1000	570	570	Richmond K-26	1000	1000	1200				
				Roanoke L-24	1000	1000	1210				
TENNESSEE	Bristol L-23	100	1500	WASHINGTON	Aberdeen D-2	100	1310	BRITISH COLUMBIA	Chilliwack B-3	100	665
Chattanooga N-21	1000	1280	1280	Bellingham C-3	50	50	1200	100	100	100	1120
Jackson N-20	50	1310	1310	Everett C-3	10	10	1270	100	100	100	1200
Knoxville M-22	1000	1200	1200	Lacey D-3	1000	1000	1200	100	100	100	1210
				Pullman E-5	1000	1000	1220	50	50	50	730
Memphis N-19	100	1310	1310	Seattle C-3	5000	5000	1420	50	50	50	730
					1000	1000	1420	100	100	100	730
Nashville M-21	500	1430	1430		1000	1000	970	100	100	100	730
Springfield M-20	5000	1430	1430		1000	1000	920	100	100	100	730
					1000	1000	650	100	100	100	730
					1000	1000	1120	100	100	100	1030
					1000	1000	1220	50	50	50	630
					1000	1000	1220				
TEXAS	Abilene P-13	100	1420		1000	1000	1270				
Amarillo N-12	1000	1420	1420		1000	1000	1370				
Austin Q-14	100	1410	1410		1000	1000	1370				
Beaumont R-17	100	1500	1500		1000	1000	1370				
Brownsville U-15	500	560	560		1000	1000	1420				
College Sta. Q-15	500	1260	1260		1000	1000	1420				
Corpus Christi S-14	1000	1120	1120		1000	1000	1470				
Dallas P-15	10000	1500	1500		1000	1000	590				
	50000	1040	1040		1000	1000	860				
	500	800	800		1000	1000	760				
Dublin P-14	100	1280	1280		1000	1000	1370				
El Paso P-9	100	1310	1310		1000	1000	1310				
Fort Worth P-15	100	1260	1260		1000	1000	1310				
	1000	920	920		1000	1000	580				
	1000	1310	1310		1000	1000	1160				
Galveston R-16	100	1370	1370		1000	1000	1160				
Greenville O-15	15	1290	1290		1000	1000	1330				
Harlingen T-14	500	1310	1310		1000	1000	1410				
Houston R-16	1000	1260	1260		1000	1000	890				
	1000	920	920		1000	1000	880				
	100	1310	1310		1000	1000	1010				
San Angelo Q-13	100	1420	1420		1000	1000	1010				
San Antonio R-14	100	1370	1370		1000	1000	1010				
	100	1370	1370		1000	1000	1010				
	1000	1290	1290		1000	1000	1010				
	1000	1290	1290		1000	1000	1010				
	50000	1190	1190		1000	1000	1010				
Tyler P-16	1000	1500	1500		1000	1000	1010				
Waco Q-15	1000	1500	1500		1000	1000	1010				
Wichita Falls O-14	250	570	570		1000	1000	1010				
					1000	1000	1010				
UTAH	Ogden I-7	500	1400		1000	1000	1210				
Salt Lake City I-7	1000	1290	1290		1000	1000	1210				
	5000	1130	1130		1000	1000	1210				
VERMONT	Burlington E-27	100	1200		1000	1000	690				
Rutland C-27	100	1500	1500		1000	1000	985				
St. Albans F-27	100	1370	1370		1000	1000	690				
Springfield G-27	100	1200	1200		1000	1000	690				
Waterbury F-27	50	1420	1420		1000	1000	690				

1933

The World Short Wave Stations

According to Frequencies in Megacycles (thousands of kilocycles) and Wave Lengths in Meters.

Megs.	Meters	Call	City, State or Country	Megs.	Meters	Call	City, State or Country	Megs.	Meters	Call	City, State or Country	
1.558	192.43	KGPD	San Francisco, Calif.	4.273	70.65	RV15	Khabarovsk, U.S.S.R.	5.689	52.70	FIUI	Tananarive, Madagascar	
1.574	190.48	WMP	Boston, Mass.	4.280	70.05	ORX2	Vienna, Austria	5.710	52.51	HCBJ	Quito, Ecuador	
1.596	187.85	WRDS	Framingham, Mass.	4.610	65.04	HIX	Santo Domingo, Dom. Rep.	5.766	52.00	VE9CL	Winnipeg, Man.	
1.712	175.13	WRDZ	East Lansing, Mich.	4.748	63.19	W1XAB	Ocean Gate, N. J.	5.868	51.09	WNB	Merida, Yucatan	
		WVDT	New York City	4.760	62.99	LL	Paris, France	5.875	51.03	CN8MC	Las Cañabancas, Morocco	
		KGJX	Detroit, Mich.	4.782	62.70	CGA	Wellington, N. Z.	5.925	50.60	HKO	Tunja, Colombia	
		WRDZ	Brooklyn, N. Y.	4.792	62.56	W3XZ	London, Ont.	5.968	50.26	HVI	Medellin, Colombia	
		WRDZ	St. Louis, Mo.	4.795	62.53	W9XAM	Elgin, Ill.	5.986	50.00	HKD	Vatican City, Rome	
		WRDZ	Los Angeles, Calif.	4.920	60.94	W2XV	Long Island City, N. Y.	6.000	49.97	EJ25	Barranquilla, Colombia	
		WRDZ	Fort Worth, Texas	4.975	60.27	GBC	Rugby, England			PK2AF	Barcelona, Spain	
		WRDZ	Houston, Texas	5.000	59.96	RW7I	Petrovavovsk, U.S.S.R.			REN	Diojocarta, Java	
		WRDZ	Cincinnati, Ohio	5.045	59.42	VRT-ZFA	Shanghai, China			RFN	Moscow, U.S.S.R.	
		WRDZ	Chicago, Ill.	5.143	58.30	PMY	Bandoeng, Java			RW60	Moscow, U.S.S.R.	
		WRDZ	Wichita, Kans.	5.169	58.00	OKTPI	Prague, Czechoslovakia			RV2BC	Moscow, U.S.S.R.	
		WRDZ	St. Louis, Mo.	5.170	57.99	PMB	Sarabaya, Java			ZL3ZC	Christchurch, N. Z.	
		WRDZ	Los Angeles, Calif.	5.357	55.01	F8BP	Ruggies, France				Bucharest, Roumania	
		WRDZ	San Francisco, Calif.	5.450	54.50	W2XKH	Brooklyn, N. Y.				Paris, France	
		WRDZ	Bakersfield, Calif.	5.515	54.38	RW38	Moscow, U.S.S.R.				Tananarive, Madagascar	
		WRDZ	Deal, N. J.	5.560	53.92	KGPD	Kingman, Ariz.				Montreal, Que.	
		WRDZ	Samarang, Java			KGPD	Wichita, Kans.	6.005	49.93	VE9DN	Drummondville, Que.	
		WRDZ	Pasco, Wash.			KGPD	Las Vegas, Nev.	6.015	49.84	VE9CX	Drummondville, Que.	
		WRDZ	Oakland, Calif.			KGPD	St. Louis, Mo.	6.020	49.80	W9XF	Wolville, N. S.	
		WRDZ	Reno, Nev.			KGPD	Los Angeles, Calif.			DJC	Chicago, Ill.	
		WRDZ	Elko, Nev.			KGPD	Kansas City, Mo.			XEW	Kenige Wusterhausen, Ger.	
		WRDZ	Omaha, Neb.			KGPD	Amarillo, Texas			PK3AN	Mexico City, Mex.	
		WRDZ	No. Platte, Neb.			KGPD	Albuquerque, N. M.	6.040	49.64	VE9CF	Surabaya, Java	
		WRDZ	Rock Springs, Wyo.			KGPD	Tulsa, Okla.	6.045	49.60	VE9HX	Tandjong Priok, D. E. I.	
		WRDZ	Salt Lake City, Utah			KGPD	Indianapolis, Ind.	6.050	49.56		Halifax, N. S.	
		WRDZ	Chattanooga, Tenn.			KGPD	Columbus, Ohio	6.057	49.50	CMCI	Halifax, N. S.	
		WRDZ	Des Moines, Iowa			KGPD	Pittsburgh, Pa.			OXO-0XZ	Havana, Cuba	
		WRDZ	Iowa City, Iowa			KGPD	Harrisburg, Pa.			ZL2ZX	Copenhagen, Denmark	
		WRDZ	Boise, Idaho			KGPD	WAE			W8XAL	Wellington, N. Z.	
		WRDZ	Reno, Nev.			KGPD	WAE			VQ7LO	Cincinnati, Ohio	
		WRDZ	Lincoln, Neb.			KGPD	WAE			SMJ	Nairobi, Kenya, Africa	
		WRDZ	Sacramento, Calif.			KGPD	WAE			SEB	Motola, Sweden	
		WRDZ	Medford, Ore.			KGPD	WAE			VE9CS	Motola, Sweden	
		WRDZ	Fresno, Calif.			KGPD	WAE			UOK2	Yancouver, B. C.	
		WRDZ	Portland, Ore.			KGPD	WAE			ZTJ	Vienna, Austria	
		WRDZ	Seattle, Wash.			KGPD	WAE			W9XAA	Johannesburg, So. Africa	
		WRDZ	Bakersfield, Calif.			KGPD	WAE			VE9EH	Chicago, Ill.	
		WRDZ	Burbank, Calif.			KGPD	WAE			HS2PJ	Charlottetown, P. E. I.	
		WRDZ	Chicago, Ill.			KGPD	WAE			TIRA	Bangkok, Siam	
		WRDZ	El Paso, Texas			KGPD	WAE				Electra Cartago, Costa Rica	
		WRDZ	Fort Worth, Texas			KGPD	WAE			VE9BJ	St. John, N. B.	
		WRDZ	Dallas, Texas			KGPD	WAE			JB	Bowmanville, Ont.	
		WRDZ	San Antonio, Texas			KGPD	WAE			W9XF	Johannesburg, So. Africa	
		WRDZ	Shreveport, La.			KGPD	WAE			W3XAL	Chicago, Ill.	
		WRDZ	Abilene, Texas			KGPD	WAE			W2XE	Boundbrook, N. J.	
		WRDZ	Jackson, Miss.			KGPD	WAE			FL	Bombay, India	
		WRDZ	Tuscaloosa, Ala.			KGPD	WAE			PTH	Richmond Hill, N. Y.	
		WRDZ	Jackson, Miss.			KGPD	WAE				Barcelona, Spain	
		WRDZ	Burbank, Calif.			KGPD	WAE				Paris, France	
		WRDZ	Sacramento, Calif.			KGPD	WAE				Paris, France	
		WRDZ	Turin, Italy			KGPD	WAE				Motola, Sweden	
		WRDZ	Rome, Italy			KGPD	WAE				Toulouse, France	
		WRDZ	Batavia, Java			KGPD	WAE				Maracaibo, Venezuela	
		WRDZ	Arlington, Va.			KGPD	WAE				Montreal, Que.	
		WRDZ	Deal, N. J.			KGPD	WAE				Montreal, Que.	
		WRDZ	Constantine, Algeria			KGPD	WAE				HKA	Barranquilla, Colombia
		WRDZ	S.S. Homeric			KGPD	WAE				KZRM	Manila, Philippine Islands
		WRDZ				KGPD	WAE				W8XK	F. Pittsborough, Pa.
		WRDZ				KGPD	WAE				VE9CL	Winnipeg, Man.
		WRDZ				KGPD	WAE				HRC	Bogota, Colombia
		WRDZ				KGPD	WAE				CR8MC	Rome, Italy
		WRDZ				KGPD	WAE				H2RO	Casablanca, Morocco
		WRDZ				KGPD	WAE				VE9AP	Straasbourg, France
		WRDZ				KGPD	WAE				HKS	Drummondville, Que.
		WRDZ				KGPD	WAE				CT2AG	Calit, Columbia
		WRDZ				KGPD	WAE				HCI DR	Madeira Islands
		WRDZ				KGPD	WAE				XIF	Quito, Ecuador
		WRDZ				KGPD	WAE				W3XL	Mexico City, Mex.
		WRDZ				KGPD	WAE				RV62	Boundbrook, N. J.
		WRDZ				KGPD	WAE				W9XI	Minsk, U.S.S.R.
		WRDZ				KGPD	WAE				VE9BY	Anoka, Minn.
		WRDZ				KGPD	WAE					London, Ont.

Mega.	Meters	Call	City, State or Country	Mega.	Meters	Call	City, State or Country	Mega.	Meters	Call	City, State or Country	Mega.	Meters	Call	City, State or Country
6.430	46.53	PCN	The Hague, Holland	7.940	37.01	VK2ME	Sydney, Australia	9.380	31.96	HB9XD	Zurich, Switzerland	10.520	28.50	VK2FC	Sydney, Australia
6.438	46.58	PBF	Moscow, U.S.S.R.	8.100	37.16	EATH	Vienna, Austria	9.410	31.86	PLV	Bandoeng, Java	10.540	28.44	WLO	Lawrenceville, N. J.
6.480	46.27	TGW	The Hague, Holland	8.111	36.96	HSAPJ	Bangkok, Siam	9.448	31.74	WES-	Bandoeng, Java			WOK	Sydney, Australia
6.515	46.02	WOO	Deal, N. J.	8.120	36.92	PLW	Tokyo, Japan	9.450	31.73	W2XB	Rocky Point, N. Y.			VLK	Sydney, Australia
6.560	45.70	RFN	Moscow, U.S.S.R.	8.180	36.65	PSK	Tokyo, U.S.S.R.	9.460	31.69	PLR	Bandoeng, Java	10.630	28.20	PLR	Bandoeng, Java
6.610	45.36	RW2	Moscow, U.S.S.R.	8.328	36.00	DAN	Rio de Janeiro, Brazil	9.480	31.53	PLW	Buenos Aires, Argentina	10.664	28.12	CEC	Santiago, Chile
6.611	45.35	REN	Moscow, U.S.S.R.	8.328	36.00	DAN	Norden, Germany	9.488	31.60	WEF-	Bandoeng, Java	10.700	28.02	VAS	Glace Bay, N. S.
6.619	45.31	PRADO	Riobamba, Ecuador	8.328	36.00	DDAC	S.S. Europe	9.492	31.58	PRBA	Rocky Point, N. Y.	10.710	28.00	CT1EO	Lisbon, Portugal
6.648	45.25	HKM	Bogota, Colombia	8.333	35.98	RW3KAA	S.S. Bremen	9.500	31.56	OZ7RL	Copenhagen, Denmark	10.800	27.76	F8MC	Casablanca, Morocco
6.660	45.09	PAC	Coltana, Italy	8.400	33.69	PRAG	S.S. Berlin	9.516	31.52	TCX	Rio de Janeiro, Brazil	10.830	27.68	FATH	Posen, Poland
6.660	45.02	W6KR	Constantine, Algeria	8.460	33.46	WQA	S.S. Columbia	9.520	31.49	OXY	Rio de Janeiro, Brasil	10.860	27.30	ZLW	Rugby, England
6.662	45.00	PS3CH	Surabaya, Java	8.562	33.02	G2A	S.S. Reolite	9.530	31.46	W2XAF	Copenhagen, Denmark	10.880	27.00	ZLW	Kootwijk, Holland
6.667	44.95	VAX	Rome, Italy	8.570	34.98	HG2JM	S.S. Cap Polonio	9.548	31.40	VK3ME	Melbourne, Australia	11.100	27.01	XFD	Guatemala City, Guatemala
6.675	44.91	XCD	Mexico City, Mex.	8.630	34.74	WOP	S.S. Hamburg	9.552	31.38	DIA	Duesseldorf, Germany	11.111	26.98	XFD	Dixon, Calif.
6.678	44.90	TGV	Nauen, Germany	8.645	34.68	V69BY	S.S. Albert Ballin	9.555	31.37	V69DR	Zurich, Switzerland	11.308	26.51	FYA	Paris, Pontoise, France
6.732	44.54	W2YBJ	Guatemala City, Guatemala	8.650	34.66	W2YV	London, U.S.S.R.	9.560	31.36	K1XR	Manila, Ph. Is.	11.310	26.50	FYA	Radio Goldberg, Java
6.732	44.54	W2YBJ	Guatemala City, Guatemala	8.650	34.66	W2YV	London, U.S.S.R.	9.560	31.36	K1XR	Manila, Ph. Is.	11.310	26.50	FYA	Radio Goldberg, Java
6.753	44.40	WVJ	Lawrenceville, N. J.	8.650	34.66	W2YV	London, U.S.S.R.	9.560	31.36	K1XR	Manila, Ph. Is.	11.310	26.50	FYA	Radio Goldberg, Java
6.760	44.35	V08Z	St. John, Nfld.	8.650	34.66	W2YV	London, U.S.S.R.	9.560	31.36	K1XR	Manila, Ph. Is.	11.310	26.50	FYA	Radio Goldberg, Java
6.816	44.09	V08Z	St. John, Nfld.	8.650	34.66	W2YV	London, U.S.S.R.	9.560	31.36	K1XR	Manila, Ph. Is.	11.310	26.50	FYA	Radio Goldberg, Java
6.840	43.85	CFA	Mexico City, Mex.	8.650	34.66	W2YV	London, U.S.S.R.	9.560	31.36	K1XR	Manila, Ph. Is.	11.310	26.50	FYA	Radio Goldberg, Java
6.860	43.71	KEL	Brunnmonville, Que.	8.650	34.66	W2YV	London, U.S.S.R.	9.560	31.36	K1XR	Manila, Ph. Is.	11.310	26.50	FYA	Radio Goldberg, Java
6.875	43.61	D1AFF	Paris, France	8.650	34.66	W2YV	London, U.S.S.R.	9.560	31.36	K1XR	Manila, Ph. Is.	11.310	26.50	FYA	Radio Goldberg, Java
6.877	43.60	F8MC	Casablanca, Morocco	8.650	34.66	W2YV	London, U.S.S.R.	9.560	31.36	K1XR	Manila, Ph. Is.	11.310	26.50	FYA	Radio Goldberg, Java
6.886	43.54	MEQ	Rabat, Morocco	8.650	34.66	W2YV	London, U.S.S.R.	9.560	31.36	K1XR	Manila, Ph. Is.	11.310	26.50	FYA	Radio Goldberg, Java
6.890	43.45	IAQ	Honolulu, Hawaii	8.650	34.66	W2YV	London, U.S.S.R.	9.560	31.36	K1XR	Manila, Ph. Is.	11.310	26.50	FYA	Radio Goldberg, Java
6.892	43.40	RI110	Moscow, U.S.S.R.	8.650	34.66	W2YV	London, U.S.S.R.	9.560	31.36	K1XR	Manila, Ph. Is.	11.310	26.50	FYA	Radio Goldberg, Java
6.896	43.30	GHS	Madrid, Spain	8.650	34.66	W2YV	London, U.S.S.R.	9.560	31.36	K1XR	Manila, Ph. Is.	11.310	26.50	FYA	Radio Goldberg, Java
6.898	42.87	HSD	Rugby, England	8.650	34.66	W2YV	London, U.S.S.R.	9.560	31.36	K1XR	Manila, Ph. Is.	11.310	26.50	FYA	Radio Goldberg, Java
6.898	42.87	HSD	Rugby, England	8.650	34.66	W2YV	London, U.S.S.R.	9.560	31.36	K1XR	Manila, Ph. Is.	11.310	26.50	FYA	Radio Goldberg, Java
6.898	42.87	HSD	Rugby, England	8.650	34.66	W2YV	London, U.S.S.R.	9.560	31.36	K1XR	Manila, Ph. Is.	11.310	26.50	FYA	Radio Goldberg, Java
6.905	42.85	HSD	Barranquilla, Columbia	8.650	34.66	W2YV	London, U.S.S.R.	9.560	31.36	K1XR	Manila, Ph. Is.	11.310	26.50	FYA	Radio Goldberg, Java
6.905	42.85	HSD	Barranquilla, Columbia	8.650	34.66	W2YV	London, U.S.S.R.	9.560	31.36	K1XR	Manila, Ph. Is.	11.310	26.50	FYA	Radio Goldberg, Java
6.905	42.85	HSD	Barranquilla, Columbia	8.650	34.66	W2YV	London, U.S.S.R.	9.560	31.36	K1XR	Manila, Ph. Is.	11.310	26.50	FYA	Radio Goldberg, Java
6.905	42.85	HSD	Barranquilla, Columbia	8.650	34.66	W2YV	London, U.S.S.R.	9.560	31.36	K1XR	Manila, Ph. Is.	11.310	26.50	FYA	Radio Goldberg, Java
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6.905	42.85	HSD	Barranquilla, Columbia	8.650	34.66	W2YV	London, U.S.S.R.	9.560	31.36	K1XR	Manila, Ph. Is.	11.310	26.50	FYA	Radio Goldberg, Java
6.905	42.85	HSD	Barranquilla, Columbia	8.650	34.66	W2YV	London, U.S.S.R.	9.560	31.36	K1XR	Manila, Ph. Is.	11.310	26.50	FYA	Radio Goldberg, Java
6.905	42.85	HSD	Barranquilla, Columbia	8.650	34.66	W2YV	London, U.S.S.R.	9.560	31.36	K1XR	Manila, Ph. Is.	11.310	26.50	FYA	Radio Goldberg, Java
6.905	42.85	HSD	Barranquilla, Columbia	8.650	34.66	W2YV	London, U.S.S.R.	9.560	31.36	K1XR	Manila, Ph. Is.	11.310	26.50	FYA	Radio Goldberg, Java
6.905	42.85	HSD	Barranquilla, Columbia	8.650	34.66	W2YV	London, U.S.S.R.	9.560	31.36	K1XR	Manila, Ph. Is.	11.310	26.50	FYA	Radio Goldberg, Java
6.905	42.85	HSD	Barranquilla, Columbia	8.650	34.66	W2YV	London, U.S.S.R.	9.560	31.36	K1XR	Manila, Ph. Is.	11.310	26.50	FYA	Radio Goldberg, Java
6.905	42.85	HSD	Barranquilla, Columbia	8.650	34.66	W2YV	London, U.S.S.R.	9.560	31.36	K1XR	Manila, Ph. Is.	11.310	26.50	FYA	Radio Goldberg, Java
6.905	42.85	HSD	Barranquilla, Columbia	8.650	34.66	W2YV	London, U.S.S.R.	9.560	31.36	K1XR	Manila, Ph. Is.	11.310	26.50	FYA	Radio Goldberg, Java
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6.905	42.85	HSD	Barranquilla, Columbia	8.650	34.66	W2YV	London, U.S.S.R.	9.560	31.36	K1XR	Manila, Ph. Is.	11.310	26.50	FYA	Radio Goldberg, Java
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6.905	42.85	HSD	Barranquilla, Columbia	8.650	34.66	W2YV	London, U.S.S.R.	9.560	31.36	K1XR	Manila, Ph. Is.	11.310	26.50	FYA	Radio Goldberg, Java
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6.905	42.85	HSD	Barranquilla, Columbia	8.650	34.66	W2YV	London, U.S.S.R.	9.560	31.36	K1XR	Manila, Ph. Is.	11.310	26.50	FYA	Radio Goldberg, Java
6.905	42.85	HSD	Barranquilla, Columbia	8.650	34.66	W2YV	London, U.S.S.R.	9.560	31.36	K1XR	Manila, Ph. Is.	11.310	26.50	FYA	Radio Goldberg, Java
6.905	42.85	HSD	Barranquilla, Columbia	8.650	34.66	W2YV	London, U.S.S.R.	9.560	31.36	K1XR	Manila, Ph. Is.	11.310	26.50	FYA	Radio Goldberg, Java
6.905	42.85	HSD	Barranquilla, Columbia	8.650	34.66	W2YV	London, U.S.S.R.	9.560	31.36	K1XR	Manila, Ph. Is.	11.310	26.50	FYA	Radio Goldberg, Java
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6.905	42.85	HSD	Barranquilla, Columbia	8.650	34.66	W2YV	London, U.S.S.R.	9.560	31.36	K1XR	Manila, Ph. Is.	11.310	26.50	FYA	Radio Goldberg, Java
6.905	42.85	HSD	Barranquilla, Columbia	8.650	34.66	W2YV	London, U.S.S.R.	9.560	31.36	K1XR	Manila, Ph. Is.	11.310	26.50	FYA	Radio Goldberg, Java
6.905	42.85	HSD	Barranquilla, Columbia	8.650	34.66	W2YV	London, U.S.S.R.	9.560	31.36	K1XR	Manila, Ph. Is.	11.310	26.50	FYA	Radio Goldberg, Java
6.905	42.85	HSD	Barranquilla, Columbia	8.650	34.66	W2YV	London, U.S.S.R.	9.560	31.36	K1XR	Manila, Ph. Is.	11.310	26.50	FYA	Radio Goldberg, Java
6.905	42.85	HSD	Barranquilla, Columbia	8.650	34.66	W2YV	London, U.S.S.R.	9.560	31.36	K1XR	Manila, Ph. Is.	11.310	26.50	FYA	Radio Goldberg, Java
6.905	42.85	HSD	Barranquilla, Columbia	8.650	34.66	W2YV	London, U.S.S.R.	9.560	3						

The LONG WAVE STATIONS

The Channels from 18 kcs. to 536 kcs.

Frequencies are shown in Kilocycles and wavelenghts in meters. The symbols in the fourth column represent the type of service, as follows:

- A, Airways
- AE, airway experimental
- AW, airway weather reports
- B, Broadcast
- Exp, Experimental
- HF, Harbor police
- IP, Inter-island phone
- F, Police
- tA, trans-Atlantic Phone

Kcs.	Meters	Call	Type	Location
18.00	16,656.67	KIE	Exp.	Kahuku, Hawaii
18.22	16,455.54	WQK	Exp.	Rocky Point, N. Y.
18.60	16,118.27	KGI	.....	Kahuku, Hawaii
45 to 75	6,662.67 to 3,997.60	W2XA	Exp.	Rocky Point, N. Y.
50 to 70	5,996.40 to 4,283.14	W1XR	Exp. tA	Houlton, Me.
50 to 75	5,996.40 to 3,997.60	W1XQ	Exp. tA	Bradley, Me.
66.5 to 69.5	4,508.57 to 4,313.95	WOH	tA	Bradley, Me.
155.00	1,934.32	WQA	B.	Kaunas, Lithuania
160.00	1,873.87	WQB	B.	Huizen, Holland
167.00	1,795.32	WQM	B.	Radio-Kootwijk, Holland
170.00	1,763.64	WQN	B.	Lahti, Finland
174.00	1,723.10	WQO	B.	Rocky Point, N. Y.
183.50	1,633.89	WQP	B.	Radio-Paris, France
188.00	1,594.78	WRW	B.	Deutschlandsender, Germany
190.00	1,578.00	WRX	B.	Istanbul, USSR
195.00	1,537.53	WRZ	B.	Harrisburg, Pa.
202.50	1,480.59	WRA	B.	Butler, Pa.
207.50	1,444.91	WRB	B.	Wyoming, Pa.
212.50	1,410.91	WRD	B.	Greenburg, Pa.
217.50	1,378.48	WRE	B.	W. Reading, Pa.
222.50	1,347.55	WRG	B.	Dayton National, England
230.00	1,303.56	WRH	B.	Ankara, Turkey
235.00	1,275.83	WRJ	B.	Moscow (Kommunist), USSR
238.00	1,259.75	WRK	B.	Eiffel tower, Paris, France
240.00	1,249.25	WRM	B.	France No. 1, France
242.00	1,238.92	WRN	B.	Norway, USSR
248.00	1,209.35	WRO	B.	Moscow, USSR
250.00	1,199.28	WRP	B.	Moscow (Trade Union), USSR
252.00	1,189.28	WRQ	B.	Kashba, Tunisia
254.00	1,180.39	WRR	B.	Baku, USSR
260.00	1,153.15	WRS	B.	Baku, USSR
265.00	1,131.39	WRT	B.	Vienna Exp., Austria
		WRU	B.	Boden, Sweden
		WRV	B.	Spartanburg S. C.
		WRW	B.	Istanbul, Turkey
		WRX	B.	Reykjavik, Iceland
		WRZ	B.	Luxemburg, Luxembourg
		WR1	B.	La Crosse, Wis.
		WR2	B.	Pittsburg, Pa.
		WR3	B.	Richmond, Va.
		WR4	B.	Kalundborg, Denmark
		WR5	B.	Monte Genéri, Switzerland

Kcs.	Meters	Call	Type	Location
402.00	745.82	KOG	B.	Ostersund, Sweden
406.00	738.47	WAEF	A.	Honolulu, Hawaii
414.00	724.20	WCO	A.	Newark, N. J.
		WKDL	B.	Lansing, Ill.
416.60	719.70	WAEF	Exp.	Miami, USSR
420.00	713.85	.....	B.	Newark, N. J.
434.70	689.71	.....	B.	Osaka, Japan
435.00	689.94	RW35	B.	Astrakhan, USSR
438.00	684.52	WPY	HP.	New York, N. Y.
442.00	678.33	KHL	IP.	Waluku, Hawaii
		KHM	IP.	Labue, Hawaii
		KHN	IP.	Lanai, Hawaii
		KHO	IP.	Kauakaki, Hawaii
		KLN	IP.	Hilo, Hawaii
		WKDL	A.	Miami, Fla.
500.00	599.64	WPY	HP.	New York, N. Y.

Kcs.	Meters	Call	Type	Location
511.00	586.73	RW30	B.	Dnepropetrovsk, USSR
515.00	582.17	RA34	B.	Tartu, Estonia
521.00	575.47	.....	B.	Kourak, USSR
522.00	574.36	.....	B.	Hamar, Norway
		.....	B.	Ljubljana, Yugoslavia
528.00	570.00	.....	B.	Grenoble (PTT), France
527.00	568.91	.....	B.	Freiburg-in-Breisgau, Germany
530.00	565.69	.....	B.	Wilno, Poland
536.00	559.36	.....	B.	Augsbury, Germany
		.....	B.	K. Gertruden, Germany
		.....	B.	Tampere, Finland



The ORIGINAL (1937) RADIO STATION

THIS is the story of KQW in San Jose, California. It may come as a surprise to many readers to find that KQW was the first radio station in the United States, and perhaps in the entire world, to broadcast entertainment programs.

This station came on the air in 1908, and was duly licensed as a regular broadcaster in 1912. KDKA was established in 1920 at Pittsburgh, Pa. The General Electric Co. commenced operation of WGY in Schenectady in 1922. WWJ in Detroit broadcast its first program in 1920.

The original KQW transmitter consisted of a few electrical doodads, a piece of stove pipe, an old phonograph turntable and several bales of wire. If there was ever

a "haywire" outfit, this was it. But it worked. This marvel was assembled by its inventor, Dr. Charles D. Herrold and his co-worker, Mr. E. A. Portal.

It was way back in 1912 that KQW successfully carried out the first two-way wireless telephone test, and in 1915 music was broadcast from San Jose to receiving booths set up at the Panama Pacific Exposition in San Francisco.

In the first edition of RADEX ever issued, in 1925, KQW is listed on 240 meters or 1249 kilocycles, operating with 500 watts power. At that time the owner was its inventor, Dr. Charles D. Herrold. It now works on 1010 kcs. with one kilowatt power. Today studios are maintained in Sacramento, San Francisco and San Jose, with the offices and main studio at 87 E. San Antonio St., San Jose, Calif.

AIRPORT RADIO STATIONS

Group One

94.86 m.-3160 kc. 53.83 m.-5570 kc.
 94.56 m.-3170 kc. 53.74 m.-5580 kc.
 93.29 m.-3215 kc. 53.64 m.-5590 kc.
 52.98 m.-5663 kc.

Bakersfield, Calif. **KQK**
 Bellefonte, Pa. **WNAM**
 Boise, Idaho **KRA**
 Brooksville, Pa. **WNAL**
 Burbank, Calif. **KEU**
 Cheyenne, Wyo. **KOE**
 Chicago, Ill. **WUCG**
 Cleveland, Ohio **WNAK**
 Dallas, Tex. **KNAT**
 Des Moines, Iowa **KQM**
 Elko, Nevada **KKO**
 Fort Worth, Tex. **KGUC**
 Fresno, Calif. **KGT**
 Iowa City, Iowa **KQQ**
 Kansas City, Mo. **KNAS**
 Lincoln, Neb. **KRF**
 Medford, Ore. **KGE**
 Moline, Ill. **WNAU**
 Newark, N. J. **WNAO**
 North Platte, Nebr. **KMR**
 Oakland, Calif. **KFO**
 Okla. City, Okla. **KNAV**
 Omaha, Nebr. **KMP**
 Orlando Twp., Ill. **WNAT**
 Pasco, Wash. **KRD**
 Ponca City, Okla. **KGUZ**
 Portland, Ore. **KVO**
 Redding, Calif. **KUT**
 Rock Springs, Wyo. **KQC**
 Sacramento, Calif. **KFM**
 Salt Lake City, Utah **KQD**
 San Diego, Calif. **KGQZ**
 Seattle, Wash. **KZJ**
 Spokane, Wash. **KGTZ**
 Tulsa, Okla. **KNAU**
 Wichita, Kans. **KGTE**

Group Two

103.23 m.-2905 kc. 60.15 m.-4990 kc.
 97.63 m.-3070 kc. 54.45 m.-5510 kc.
 97.15 m.-3090 kc. 52.88 m.-5680 kc.

60.39 m.-4970 kc. 52.7 m.-5690 kc.
 52.45 m.-5720 kc.

Alameda, Calif. **KGSB**
 Albuquerque, N. M. **KSX**
 Burbank, Calif. **KSI**
 Butte, Mont. **KGTY**
 Camden, N. J. **WAAE**
 Columbus, Ohio **WHG**
 Cresson, Pa. **WAEG**
 Harrisburg, Pa. **WAED**
 Indianapolis, Ind. **WHM**
 Kansas City, Mo. **KST**
 Kingman, Ariz. **KGTL**
 Las Vegas, Nev. **KGTN**
 Newark, N. J. **WAEF**
 Pittsburgh, Pa. **WAEC**
 Pocatello, Idaho **KGTX**
 Robertson, Mo. **KGTR**
 Springfield, Mo. **KGTQ**
 Tulsa, Okla. **KSY**
 Wichita, Kans. **KGTD**
 Winslow, Ariz. **KGTA**

Group Three

103.23 m.-2905 kc. 63.15 m.-4990 kc.
 97.63 m.-3075 kc. 54.45 m.-5510 kc.
 97.15 m.-3090 kc. 53.83 m.-5570 kc.
 94.86 m.-3160 kc. 53.74 m.-5580 kc.
 94.56 m.-3170 kc. 53.64 m.-5590 kc.
 94.26 m.-3180 kc. 52.98 m.-5660 kc.
 93.29 m.-3215 kc. 52.88 m.-5670 kc.
 60.39 m.-4970 kc. 52.7 m.-5690 kc.

Denver, Colo. **KGSP**
 Las Vegas, Nev. **KGTJ**
 Pueblo, Colo. **KGSR**
 Salt Lake City, Utah **KGTH**

Group Four

93.09 m.-3220 kc. 86.52 m.-3470 kc.
 92.8 m.-3230 kc. 86.08 m.-3490 kc.
 92.52 m.-3240 kc. 61.00 m.-4920 kc.
 92.09 m.-3250 kc. 53.55 m.-5600 kc.
 87.02 m.-3450 kc. 53.45 m.-5610 kc.
 86.77 m.-3460 kc. 53.26 m.-5630 kc.

Abilene, Tex. **KGUL**
 Beaumont, Tex. **KGTV**

Birmingham, Ala. **WSDE**
 Boston, Mass. **WSDD**
 Mobile, Ala. **WAEK**
 Newark, N. J. **WSDC**
 Tuscon, Ariz. **KGUO**

Group Five

129.63 m.-2315 kc. 86.08 m.-3490 kc.
 127.33 m.-2355 kc. 63.29 m.-4740 kc.
 93.09 m.-3220 kc. 61.00 m.-4920 kc.
 92.8 m.-3230 kc. 53.55 m.-5600 kc.
 92.52 m.-3240 kc. 53.45 m.-5610 kc.
 92.09 m.-3260 kc. 53.26 m.-5630 kc.
 87.02 m.-3450 kc. 45.87 m.-6540 kc.
 83.77 m.-3460 kc. 45.8 m.-6550 kc.
 83.52 m.-3470 kc. 37.43 m.-8015 kc.

Atlanta, Ga. **WQPD**
 Big Spring, Tex. **KGUG**
 Brownsville, Tex. **KGUE**
 Burbank, Calif. **KGUR**
 Cincinnati, Ohio **WSID**
 Dallas, Tex. **KGUF**
 Douglas, Ariz. **KGUN**
 El Paso, Tex. **KGUA**
 Frijole, Tex. **KGUM**
 Indio, Calif. **KGUQ**
 Jackson, Miss. **KSDB**
 Little Rock, Ark. **KQUU**
 Memphis, Tenn. **WSDK**
 Nashville, Tenn. **WSDT**
 New Orleans, La. **WQDQ**
 Omaha, Nebr. **KGTS**
 Phoenix, Ariz. **KGUP**
 Robertson, Mo. **KGUT**
 San Antonio, Tex. **KGUD**
 Shreveport, La. **KGUK**
 Springfield, Ill. **WAEJ**
 Waco, Tex. **KGUH**

Group Six

112.44 m.-2670 kc. 98.83 m.-3040 kc.
 112.27 m.-2675 kc. 55.79 m.-5380 kc.
 105.11 m.-2850 kc.

Chicago, Ill. **WSDS**

Duluth, Minn. **WSDL**
 Fargo, N. D. **KNWB**
 Madison, Wis. **WSDR**
 Milwaukee, Wis. **WAEH**
 Pembia, N. D. **KNWC**
 St. Paul, Minn. **KNWA**

Group Seven

111.19 m.-2680 kc. 51.5 m.-5820 kc.
 102.1 m.-2935 kc.

Detroit, Mich. **WAEI**

Group Eight

129.63 m.-2310 kc. 45.87 m.-6540 kc.
 127.33 m.-2355 kc. 45.8 m.-6550 kc.
 86.52 m.-3470 kc. 45.73 m.-6560 kc.
 63.29 m.-4740 kc. 37.45 m.-8010 kc.

Blythe, Calif. **KGUS**
 Houston, Tex. **KGUB**

Group Nine

126.1 m.-2380 kc. 63.22 m.-4740 kc.
 101.83 m.-2950 kc. 53.07 m.-5650 kc.
 100.46 m.-2990 kc. 45.52 m.-6590 kc.
 72.11 m.-4160 kc. 45.45 m.-6600 kc.

Baltimore, Md. **WEEB**
 Charleston, S. Car. **WEEC**
 Greensboro, N. Car. **WEEG**
 Jacksonville, Fla. **WEEJ**
 Linden, N. J. **WEEN**
 McRae, Ga. **WEEH**
 Miami, Fla. **WEEM**
 Orlando, Fla. **WEEO**
 Richmond, Va. **WEER**
 Spartanburg, S. Car. **WEEF**

Group Ten

113.29 m.-2650 kc. 45.59 m.-6580 kc.
 104.53 m.-2870 kc. 37.43 m.-8010 kc.
 97.32 m.-3080 kc. 36.5 m.-8220 kc.
 55.5 m.-5400 kc. 24.33 m.-12,330 kc.
 53.64 m.-5700 kc. 18.47 m.-16,240 kc.
 45.66 m.-6570 kc. 18.24 m.-16,450 kc.

Brownsville, Tex. **KGJW**
 Miami, Fla. **WKDL**
 San Juan, P. R. **WMDV**

AIRPORT RADIO STATIONS—Alphabetically by Call Letters

The number in parenthesis following the location indicates the frequency group in which the station operates.

KGTY Butte, Mont. (2)	KGTZ Spokane, Wash. (1)	KNAU Tulsa, Okla. (1)	WEER Richmond, Va. (9)
KEU Burbank, Calif. (1)	KGUA El Paso, Tex. (5)	KNAV Okla. City, Okla. (1)	WHG Columbus, Ohio (2)
KFM Sacramento, Calif. (1)	KGUB Houston, Tex. (8)	KNWA St. Paul, Minn. (6)	WHM Indianapolis, Ind. (2)
KFO Oakland, Calif. (1)	KGUD San Antonio, Tex. (5)	KNWB Fargo, N. D. (6)	WKDL Miami, Fla. (10)
KGE Medford, Ore. (1)	KGUE Brownsville, Tex. (5)	KNWC Pembina, N. D. (6)	WMDV San Juan, P. R. (10)
KGUC Ft. Worth, Tex. (1)	KGUF Dallas, Tex. (5)	KOE Cheyenne, Wyo. (1)	WNAO Newark, N. J. (1)
KGJW Brownsville, Tex. (10)	KGUG Big Spring, Tex. (5)	WAEC Pittsburgh, Pa. (2)	WNAK Cleveland, Ohio (1)
KGQZ San Diego, Calif.	KGUH Waco, Tex. (5)	WAED Harrisburg, Pa. (2)	WNAL Brookville, Pa. (1)
KGSB Alameda, Calif. (2)	KGUK Shreveport, La. (5)	WAAE Camden, N. J. (2)	WNAM Bellefont, Pa. (1)
KGSP Denver, Colo. (3)	KGUL Abilene, Tex. (4)	WAEF Newark, N. J. (2)	WNAT Orlando Twnshp., Ill. (1)
KGSR Pueblo, Colo. (3)	KGUM Frijole, Tex. (5)	WAEG Cresson, Pa. (2)	WNAU Moline, Ill. (1)
KGT Fresno, Calif. (1)	KGUN Douglas, Ariz. (5)	WAEH Milwaukee, Wis. (6)	WQDQ New Orleans, La. (5)
KGTA Winslow, Ariz. (2)	KGUO Tuscon, Ariz. (4)	WAEI Detroit, Mich. (7)	WQPD Atlanta, Ga. (5)
KGTD Wichita, Kans. (2)	KGUP Phoenix, Ariz. (5)	WAEJ Springfield, Ill. (5)	WSDC Newark, N. J. (4)
KGTE Wichita, Kans. (1)	KGUQ Indio, Calif. (5)	WAEK Mobile, Ala. (4)	WSDD Boston, Mass. (4)
KGTH Salt Lake City, U. (3)	KGUR Burbank, Calif. (5)	WEEB Baltimore, Md. (9)	WSDE Birmingham, Ala. (4)
KGTY Las Vegas, Nev. (3)	KGUS Blythe, Calif. (8)	WEEC Charleston, S. C. (9)	WSDK Memphis, Tenn. (5)
KGTL Kingman, Ariz. (2)	KGUT Robertson, Mo. (5)	WEEF Spartanburg, S.C. (9)	WSDL Duluth, Minn. (6)
KGTM Las Vegas, Nev. (2)	KGUZ Ponca City, Okla. (1)	WEEG Greensboro, N.C. (9)	WSDR Chicago, Ill. (6)
KGTQ Springfield, Mo. (2)	KKO Elko, Neva. (1)	WEEH McRae, Ga. (9)	WSDS Chicago, Ill. (6)
KGTR Robertson, Mo. (2)	KMP Omaha, Neb. (1)	WEEJ Jacksonville, Fla. (9)	WSDT Nashville, Tenn. (5)
KGTS Omaha, Neb. (5)	KMR No. Platte, Nebr. (1)	WEEM Miami, Fla. (9)	WSID Cincinnati, Ohio (5)
KGTV Beaumont, Tex. (4)	KNAS Kansas City, Mo. (1)	WEEN Linden, N. J. (9)	WUCG Chicago, Ill. (1)
KGTX Pocatella, Idaho (2)	KNAT Dallas, Tex. (1)	WEEO Orlando, Fla. (9)	

WORLD-WIDE with EAGLE PLAYBOY 6
RECEPTION IS YOURS ALL-WAVE SUPER
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 LESS TUBES
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EAGLE RADIO, Cortlandt St. N. Y. C.

1936

FOREIGN B. C. STATIONS BY FREQUENCIES

Wavelength in meters is given in parentheses following frequencies in kilocycles. Entering dial number in square provided will enable you to identify stations heard. Power is given in second column in kilowatts and decimals thereof. Actual frequency is given in parentheses. While call letters are given wherever possible, very few European stations use these calls. Time is Local unless otherwise stated.

520 (576.6)		..... 120. Vienna, Aust. (592) Wain No. 1, Johannesgrasse No. 4B. Daily 310-1900 EST
LKH .7	Hamar, Nor. (519)	
OFH 10	Vilpuri, Fin. (527)	
RW34 10	Stallingrad, USSR. (522)	
..... 1.	Innsbruck, Aust. (515)	
..... 5.	Ljubljana, Yug. (527)	
..... 5.	Tartu, Est. (517)	
530 (565.7)		
IBZ 1.	Bolzano, I. (536)	
..... 16.	Wilno, Pol. (536)	
540 (555.2)		
HAL 120.	Budapest, Hun. (546)	
.....	Budapest VIII, Sender Utca No. 7. Weekdays 0045-1815; Sun. 315-1900 EST	
550 (545.1)		
RW52 20.	Tchita, USSR. (556)	
ZCR 10.	Cumneck, Aust. (556)	
..... 100.	Beromunster, Sw. (556) Report to PTT, Berne, Spelchergrasse No. 6. Weekdays 600-163 Sun. 130-1630 EST	
560 (535.4)		
IIP 4.	Palermo, I. (565)	
MTCY 100.	Heinking, Mch. (565)	
RW41 1.2	Sykyvkar, USSR. (563)	
RW42 10.	Gorki, USSR. (565)	
XGOH 10.	Chengtu, China. (565)	
XLHB .045	Shanghai, China. (565)	
ZUG 10.	Grahamstown, S. Af. (565)	
6WA 10.	Minding, Aust. (565)	
..... 60.	Athlone, IFS (565) Radio Atha Luain. Daily 830-1800 EST	
570 (526)		
CB57 5.	Santiago, Chile, Soc. Nacional Agricultura Tcheffalnik, USSR. (527)	
2YA 5.	Wellington, N. Z. Featherstone St. Mon. to Sat. 700-900; 1000-1100; Sun. 900-1215; 1300-1430; 1800-2200.	
..... 100.	Stuttgart, G. (574) Charlottenplatz No. 1 Daily 0000-2000 EST Magnifogorski, USSR. (571)	
580 (516.9)		
CC58 .5	Temuco, Chile. Luis E. Bralin.	
JFCK 1.	Taichu, Formosa.	
RW36 10.	Archangel, USSR (586)	
RW54 10.	Khbarovsk, USSR.	
XQHA .25	Shanghai, Chin.	
YLZ 15.	Riga, Lat. (583)	
3WV 10.	Horsham, Aust. (583)	
..... 35.	Grenoble, F. (583) Daily 400-1730 EST	
590 (508.2)		
JOAK2 10.	Tokyo, Jap. Tomabeddo, EST. M. Daily 4 a.m.-7:30 a.m.	
LS10 6.	Buenos Aires, Arg. Radio Callao, Callao (666)	
RW35 10.	Astrakhan, USSR (598)	
XHKB .1	Hobart, Aust.	
ZLZ 1.	Elizabeth St. Mon. to Fri. 830-1030; 1200-1530; 1630-1800; 1900-1000; Sat. 830-1000; 1230-1300; Sun. 1200-300; 1630-1830; 1915-2400	

FOREIGN B. C. STATIONS BY FREQUENCIES

1345; 1630-1815; 1930-2400		
620 (483.6)		
CB62 1.	Santiago, Chi. Radio Chilena. Libbon, Por. (629) Daily 700-1900 EST	
CT1AA 20.	Emissora Nacional, Matuyasu, Jap. (625) Trondegag, Nor. (625)	
JOTK .5	Cordoba, Arg. (625)	
LKT 20.	Ivanovo, USSR. (625)	
RW31 10.	Shanghai, China Invercargill, N. Z. 155 R. T. Parsons, Layard St. N. Mon., Wed. 1230-1330; 1830-2130; Tues., Thurs., Fri. 1230-1330; 1900-2200; Sat. 1830-2130; Sun. 1100-1200; 1830-2200.	
XHHK .1	Brussels, Belg. Rue du Battoion. Weekdays 655-1800; Sun. 445-3900 EST	
ZP .5	Cairo, Egypt.	
630 (475.9)		
JODG .5	Hamamatsu, Jap. (635)	
LS3 5.	Buenos Aires, Arg. Radio Mayo, Callao 1526	
OKP 120.	Praha, Cz. (633) The Radio Journal, Praha. Daily 0830-1730 EST	
RW28 .8	Vladivostok, USSR. (635)	
RW32 10.	Vladivostok, USSR. (635)	
RW84 1.2	Ust-Abakan, USSR. (635)	
3AR 4.5	Melbourne, Aust. 120A Russel St. Mon. to Fri. 830-1100; 1300-1900; 1930-2400; Sat. 1330-1300; Sun. 1225-1630; 1810-2230	
640 (468.5)		
CB64 1.	Vina del Mar, Chile. La Union, Av. Portales 528	
CC64 .1	Cancapcion, Chile. El Sur, Freyre 799	
JOUK .3	Alita, J. (645)	
RW29 10.	Petrozavodsk, USSR. (648)	
RW56 1.2	Penza, USSR. (648)	
YN 90.	Lyons, F. (648). Doua (testing). Daily 215-1800 EST	
ZEK .5	Hong Kong, Chin. GMT Mon., Thurs. Sat., from 12:30. The Secretary, Hong Kong Brdcty. Com., P. O. Box 200.	
ZTJ 10.	Johannesburg, S. Af. (645)	
5CK 7.5	Crystal Brook, Aust. Tcheboksary, USSR. (689)	
1345; 1630-1815; 1930-2400		
650 (461.3)		
CX6 10.	Montevideo, Uru. Estacion Oficial, Mar-Fin Fierro 2603. 12-14; 37-23	
JOCG .3	Asahigawa, J. (655) Pres. NBC, Hokkaido Asahikawa Branch. EST Daily 11 p.m.-7:30 a.m.	
JOAK 5	Dalrem, Mch. (652)	
1YA 10.	Auckland, N. Z. Karangahape Rd. Mon. to Sat. 7-9; 10-23; Sun. 9-12:15; 13-1630; 18-22	
..... 100.	Cologne, G. (658) Deceberstrabe No. 38 Daily 0000-1800 EST	
660 (454.3)		
XGOA 75.	Nanking, Chin. Alexandrovsk USSR. (662)	
RW39 2.	Jerusalem, Pal. (668)	
..... 20.	Manchester, G. (68)	
..... 50.	(668) North Regional Weekdays 515-1900; Sun. 730-1745 EST	
670 (447.5)		
JFAK 10.	Taihoku, For. Buenos Aires, Arg. Radio Portena, Belgrano 1841	
LS4 7.	Harbin, Mch. (674)	
MTFY 3.	Groznyl, USSR. (676)	
RW23 1.	Valencia, Vnz. Corowa, Aust. Relays 3LO and 3AR. Mon. to Fri. 830-13; 1330-1530; 1630-1745; 19-1; Sat. 830-1030; 1130-13; 1330-1830; 19-100; Sun. 1130-1345; 1430-1815; 1930-2400	
YVSRV .35	Report to PTT Berne, Spelchergrasse No. 6. Weekdays 630-1630; Sun. 355-1630 EST	
ZCO 1.	Sottens, Sw. (677)	
..... 100.	Report to PTT Berne, Spelchergrasse No. 6. Weekdays 630-1630; Sun. 355-1630 EST	
680 (440.9)		
CW27 .15	Saito, Uruguay. Est. nesto Popela, Bogota, Col. (681)	
HJN .5	Bogota, Col. (681)	
JOLK .5	Hakodate, J. (686)	
JOVK .5	Fukuoka, J. (686)	
RW17 10.	Bodo, Nor. (686)	
RW27 4.	Kazan, USSR. (689)	
RW46 1.2	Makhatch, USSR. (689)	
RW71 1.2	Karaganda, USSR. (686-5)	
RW74 1.2	Petrovavleak, USSR. (689)	
Tcheboksary, USSR. (689)		

..... 2.5	Belgrade, Yug. (686)	
..... 1.5	Salisbury, S. Af. (681.3)	
690 (434.5)		
CX8 .5	Montevideo, Uru. Ramon Puyal, Caigua 3710	
LV6	Rendezo, Arg. Radio Prov. de Mendoza. Kunning, China. 14; 37-23	
XGOY .25	Perrin, Aust. (695)	
6WF 3.5	Wey 510. Mon. to Fri. 1830-2300; 1400-1730; 1830-20; 21-3; Sat. 1830-21; 1430-3; Sun. 14-11; 1830-2030; 2115-2400	
..... 7.	Paris, F. (695) FPTT Ecole Supérieure des Postes et Telegraphes (with 120 kw.) Daily 300-1800 EST	
700 (428.3)		
JOKK .5	Okayama, J. Sao Paulo, Brz. Rua Tibirica 26 (706)	
PR47 .05	Elista, USSR. (704)	
RW48 2.5	Stockholm, Swe. (704)	
SBA 55.	Weekdays 145-1700; Sun. 3-17 EST	
VPB 1.75	Colombo, Cey. (705)	
XNMHC .5	Shanghai, Chin. (705)	
ZP15 .7.	Villarrica, Par. (705)	
ZNR 7.	Lawrence, Ausl. (705)	
710 (422.3)		
11RO 50.	Rome, I. (713) Weekdays 1330-1730; Sun. 335-1730 EST	
JOJK 3.	Kanazawa, J. (713)	
LS1 5.	Buenos Aires, Arg. Radio Municipal, Teatro, Colon	
RW16 10.	Samara, USSR. (714.3)	
XGWL .0075	Kashing, Chin. (714.3)	
XGOS 1	Chunking, Chin. (711)	
720 (416.4)		
JFBK 1.	Tainan, For. (722)	
JORK .5	Kochi, J. Mr. Matsuo, Mgr., EST Daily 10:15 p.m.-7:30 a.m.; Sun., 10:30 p.m.-7:30 a.m.	
PRF2 .25	Rio Claro, Brz. (725) Radio Club of Rio Claro	
PRG5 .75	Santos, Brz. Radio Atlantica	
RW9 36.	Kiev, USSR. (722)	
XLHC .05	Shanghai, Chin. (722)	
XLHD .05	Shanghai, Chin. (722)	
3YA 10.	Christchurch, N. Z. Gloucester St. Mon. to Sat. 7-9; 10-23; Sun. 9-12:15; 13-1630; 1730-22	
6GF 2.	Kaligoorle, Aust. (730-22)	
730 (410.7)		
CB73 1.	Santiago, Chile. Ul-	

FOREIGN B. C. STATIONS BY FREQUENCIES

PREA .25	Rio de Janeiro, Brz. (941). Sec. Radio Cultura "A Voz do Estacão"	1100(272.6)	HJ3ABD.05	Bogota, Col. Alfond's Radio, Calle 16, No. 5-40
SBB 10.	Goteborg, Swe. (941). Weekdays 145-17; Sun. 3-17 EST		11NA 1.5	Naples, I. (1104)
XHHE .1	Shanghai, Chn. Sun. 3-17 EST		7LA .3	Lancaster, Chn. 67 Brisbane St. Mon. to Fri. 9-1030; 1330-1030; 19-24; Sat. 9-1030; 16-1830; 19-24; Sun. 1945-2330
3ZR .4	West Coast Radio Soc., Bright St., Cobden. Mon. to Fri. 730-830; 15-17; 18-45; 1930-22; Sat. 730-830; 1330-17; 18-21; Sun. 12-1330; 1730-1830; 19-21.		..... 50.	Madons, Lat. (1104) Weekdays 00-1630; Sun. 200-1700 EST
..... 12.	Algiers Alg. (941) Radio PTT du Govt. Gen., Rue Berthezene, Alger, Algeria, N. Afr. Daily 9-18 EST	1110(270.1)	CB111 1.	Vina del Mar, Chile. Los Castanos, Av. Castanos 333
950 (315.6)	Buenos Aires, Arg. Radio Belgrano, Belgrano 1841		CD111 .1	Magallanes, Chile. Radio Austral, Independencia s/n 20-23
LR3 31.	Buenos Aires, Arg. Radio Belgrano, Belgrano 1841		L55 5.	Buenos Aires, Arg. Radio Rivadavia, Callao 1526
PP 60.	Paris, F. (959) Poste Parilien, 4 Rue du General-Foy. Daily 210-18 EST	1080(277.6)	OKK 11.2	Moravska, Cz. (1113) Daily 0030-1730 EST
PRF8 .5	Bahia, Brz. (959) Radio Commercial da Bahia		2UW 1.	Sydney, Ausl., J. M. Prentice, Box 241D, GPO. "At the Cross Roads of Sydney." 24 hours daily.
RW40 1.	Bahia (959) Gomel, U.S.R. (959) Pelipins, Chn.		..... 10.	Normandie, F. (1113) Fecamp
RW54 1.	Prater, S. Afr. (952) Pretoria, S. Afr. (952) Sydney, Ausl. Rex Shaw, 296 Pitt St., Mon. to Fri. 730-15; 16-1; Sat. 730-1230; 1500-130; Sun. 930-1330; 1815-0030.	1090(275.1)	CC109 .1	Rancagua, Chile. J. Rencagua, Chile. Independencia 483
ZTP 1.	Sydney, Ausl. Rex Shaw, 296 Pitt St., Mon. to Fri. 730-15; 16-1; Sat. 730-1230; 1500-130; Sun. 930-1330; 1815-0030.		CX28 3.	Montevideo, Uru. Madrid, Sp. (1095)
ZUE 1.	Shaw, 296 Pitt St., Mon. to Fri. 730-15; 16-1; Sat. 730-1230; 1500-130; Sun. 930-1330; 1815-0030.		EJ7 10.	Union Radio Station EAJ7, Aptdo 745. Daily 3-19 EST
..... 100.	Brestlau, G. Schierlsche Funkstunde, GMBH, Breslau 18 Daily 23-18 EST	1050(285.5)	PRC2 3.	Porto Alegre, Brz. Radio Soc. Gaucha, Galeria Chaves
960 (312.3)	Curico, Chile. Merced 11		PRC7 .25	Bello Horizonte, Brz. Sec. Radio Minineira
CC96 .1	Curico, Chile. Merced 11		RW75 10.	Vinnitza, U.S.R. (1095)
JOOK 3	Kyoto, J. Club Santos, Rua de Pedro, 1116	1060(282.8)	XG08 .25	Loyang, Chn. Shaohing, China
PRB4 1.	Club Santos, Rua de Pedro, 1116		XZB .1	Auckland, N. Z. Rd. 153 Kranghaphae Tue. to Fri. 9-30; 1015-1100; 1830-1930; Sat. 9-30; 1015-11; 1515-1645; Sun. 9-12; 1830-2130
RW13 10.	Odessa U.S.R. (968)		CB106 1.	Santiago, Chl. Sud America, Golceles 0122-11-13; 17-18
RW59 10.	Odessa U.S.R. (968)		..... 10.	Horby, Swe. (1131)
XHHE .1	Shanghai, Chn. Broadcasts Caracas, Apt de Caracas 2009, Sun. 9-23; Weekdays 16-2230			
YV1RC 5.	Palmerston, N. Z. King St., Mon., Thu., Sat., 20-22; Wed. 1815-22; Fri., Sun., 13-2130			
ZZF .25	Adelaide, Aust. 29 Rundle St., Mon. to Fri. 915-115; Sat. 915-15; 20-115; Sun. 845-0015.			

FOREIGN B. C. STATIONS BY FREQUENCIES

OKR 13.5	Bratislava, Cz. (1004) Daily 0030-1730 EST	1030(291.1)	CD103 .1	Magallanes, Chile. Ramon Verde Sanchez, Mexicana 936 Parede, Club (1031) Radio Club Portu-guesa.
PR9 1.	Rio de Janeiro, Brz. Radio Soc. Mayrink Velga, Rua Mayrink Velga 17 Cruzes, Brz. Monty, Chn. (1005) Poyung, Chn. (1005) Talyuan, Chn. Assunção, Par. (1034) Tweepower, Mont. to Fri. 8-1530; 19-2330; Sat. 8-1130; 1530-2330; Sun. 1130-1430; 830-2330		CTIGL 5.	Radio Fenix, Santa Fe 1174
PR88 .05	Wegla 17 Cruzes, Brz. Monty, Chn. (1005) Poyung, Chn. (1005) Talyuan, Chn. Assunção, Par. (1034) Tweepower, Mont. to Fri. 8-1530; 19-2330; Sat. 8-1130; 1530-2330; Sun. 1130-1430; 830-2330		LR9 5.	Buenos Aires, Arg. Radio Fenix, Santa Fe 1174
XCHMK .05	Wegla 17 Cruzes, Brz. Monty, Chn. (1005) Poyung, Chn. (1005) Talyuan, Chn. Assunção, Par. (1034) Tweepower, Mont. to Fri. 8-1530; 19-2330; Sat. 8-1130; 1530-2330; Sun. 1130-1430; 830-2330		PRC8 1.	Rio de Janeiro, Brz. Radio Soc. Guana-bara, Rua 1st de Mayo 123
ZP3 .3	Wegla 17 Cruzes, Brz. Monty, Chn. (1005) Poyung, Chn. (1005) Talyuan, Chn. Assunção, Par. (1034) Tweepower, Mont. to Fri. 8-1530; 19-2330; Sat. 8-1130; 1530-2330; Sun. 1130-1430; 830-2330		XGOL .25	Foochow, Chn. Maracabo, Venez. YULIRMO . (1034)
4GR .3	Wegla 17 Cruzes, Brz. Monty, Chn. (1005) Poyung, Chn. (1005) Talyuan, Chn. Assunção, Par. (1034) Tweepower, Mont. to Fri. 8-1530; 19-2330; Sat. 8-1130; 1530-2330; Sun. 1130-1430; 830-2330		3DB .6	Meibourne, Ausl. 36 Flinders St. Mon. to Fri. 8-1; Sat. 8-130; Sun. 1130-1330; 1530-24
..... 100.	Belfast, GB (977)	1040(288.3)	..... 100.	Konigsberg, G. (1031) Daily 00-18 EST
970 (309)	Santiago, Chile. Siam, Bolivar 1551		CP4 10.	La Paz, Bol. Carlos Lopez Vedela, Casilla 637
CB97 1.	Santiago, Chile. Siam, Bolivar 1551		CW25 .5	Durazno, Uru. Artola Evangelisti y Cia. 10-13; 18-23
CX22 .25	Montevideo, Uru. Fada Radio, Larranga 278, 1030-1530; 17-23		JOJG .5	Yamagata, Japan Lemingrad, U.S.R. 10. Shanghai, Chn. XHHH 1.
JOBG .075	Wushih, Jn. Kangaroo Flat. Mon. to Fri. 1230-1500; 19-24; Sat. 1230-24; Sun. 1130-1430; 2030-2330		..... 40.	Rennes-Bretagne, F. Daily 3-1730 EST
XHIB .075	Wushih, Jn. Kangaroo Flat. Mon. to Fri. 1230-1500; 19-24; Sat. 1230-24; Sun. 1130-1430; 2030-2330		CX26 2.	Montevideo, Uru. Radio Uruguay, Millan 2370. 9-1430; 16-23
3B0 2.	Kangaroo Flat. Mon. to Fri. 1230-1500; 19-24; Sat. 1230-24; Sun. 1130-1430; 2030-2330	1010(296.9)	H1BA 20.	Stazione di Bari Weekdays 130-1730; Sun. 335-1730 EST
..... 100.	Belfast, GB (977)		PRF6 .05	Bahia, Brazil. Radio Club da Bahia
980 (305.9)	Casablanca, Mor. (985) Genoa, I. (986) Eiar Weekdays 130-1730; Sun. 310-1730 EST		RW33 1.	Krasnodar, U.S.R. Camerra, Ausl. Mon. to Fri. 16-15; 19-2330; Sat. 1930-2330; Sun. 2130-2330
CNO .025	Casablanca, Mor. (985) Genoa, I. (986) Eiar Weekdays 130-1730; Sun. 310-1730 EST		XHKA .1	Tian-tsin, Chn. to Fri. 16-15; 19-2330; Sat. 1930-2330; Sun. 2130-2330
I1GE 10.	Genoa, I. (986) Eiar Weekdays 130-1730; Sun. 310-1730 EST		ZCA .5	Falkirk, G. B. Scot-tish National Weekdays 345-1815; Sun. 1130-1745 EST
JOXK .5	Takushima, J. T. EST Daily 2005-1700; Sun., 2230-1700		..... 50.	Barcelona, Sp. (1022) Oviedo, Sp. (1022) Fuzan, Korea
OAX4E .05	Lima, Peru, Juan P. Celencoshas, Jiron Ceonca No. 159	1020(293.9)	EJ15 3.	Barcelona, Sp. (1022) Oviedo, Sp. (1022) Fuzan, Korea
PRC5 1.	Rio de Janeiro, Brz. Rua Scardara Cabral 45		EJ19 7.	Lima, Peru. Escuela Militar de Chorrillos. Shanghai, Chn. Sydney Ausl. The Block, Georgia St. Mon., Tue., Thu., Fri. 815-1330; 1430-17; 1745-0030; Wed. 815-1330; 14-0030; Sat. 815-1240; 14-18; 1845-
XHMB .5	Shanghai, Chn. Invernal, Ausl. 229 Gladstone Rd. Mon., Fri., Sat., 19-2330; Wed., 12-1330; 19-22; Thurs., 19-20		OB1 ..	Lima, Peru. Escuela Militar de Chorrillos. Shanghai, Chn. Sydney Ausl. The Block, Georgia St. Mon., Tue., Thu., Fri. 815-1330; 1430-17; 1745-0030; Wed. 815-1330; 14-0030; Sat. 815-1240; 14-18; 1845-
ZLV ..	Invernal, Ausl. 229 Gladstone Rd. Mon., Fri., Sat., 19-2330; Wed., 12-1330; 19-22; Thurs., 19-20		XHHG .1	Shanghai, Chn. Sydney Ausl. The Block, Georgia St. Mon., Tue., Thu., Fri. 815-1330; 1430-17; 1745-0030; Wed. 815-1330; 14-0030; Sat. 815-1240; 14-18; 1845-
ZZJ .06	Gladstone, N. Z. 229 Gladstone Rd. Mon., Fri., Sat., 19-2330; Wed., 12-1330; 19-22; Thurs., 19-20		2KY 1.	Sydney Ausl. The Block, Georgia St. Mon., Tue., Thu., Fri. 815-1330; 1430-17; 1745-0030; Wed. 815-1330; 14-0030; Sat. 815-1240; 14-18; 1845-
4AY .1	Ayr, Ausl. Norman Lyb, Alrdmilion Rd. "The Voice of the Cane Fields" Mon. to Sat. 16-1830; 1930-24; Sun. 2130-2330		..... 100(299.8)	Bogota, Col. (1085) "La Voz de La Vie-ter", Aptdo 565, Sun.,
6AM 1.	Norham, Ausl. Mon. to Sat. 10-12; 1330-1730; 21-2; Sun. 1330-1730; 1830-2030; 2130-130	1000(299.8)	HJ3ABH 2.	Bogota, Col. (1085) "La Voz de La Vie-ter", Aptdo 565, Sun.,
..... 24.	Torun, Pol. (986) (Testing)		..... 100.	Horby, Swe. (1131)
990 (302.8)	Fukuji, J. Buenos Aires, Arg. Radio Splendid, Cal-lao 1526, Hol. (995) Hiltersum, Hol. (995) Heir Radio Hilversum, Ouden, Engweg. 4. Daily 310-1810 EST			
JOFG .3	Fukuji, J. Buenos Aires, Arg. Radio Splendid, Cal-lao 1526, Hol. (995) Hiltersum, Hol. (995) Heir Radio Hilversum, Ouden, Engweg. 4. Daily 310-1810 EST			
LR4 16.	Buenos Aires, Arg. Radio Splendid, Cal-lao 1526, Hol. (995) Hiltersum, Hol. (995) Heir Radio Hilversum, Ouden, Engweg. 4. Daily 310-1810 EST			
PFBI 60.	Hiltersum, Hol. (995) Heir Radio Hilversum, Ouden, Engweg. 4. Daily 310-1810 EST			
XGCK .075	Chuching, Chn. Hangchow, Chn. Orange, Ausl.			
XGOD 1.	Chuching, Chn. Hangchow, Chn. Orange, Ausl.			
ZGZ 2.	Orange, Ausl.			

FOREIGN B. C. STATIONS BY FREQUENCIES

Weekdays 145-1700; Sun. 3-17 EST	XHUU .1 2KA .1 4MK .1 6ML .5	Shanghai, Chn. Katoomba, Ausl. 80 Markat St. Mackay, Ausl. 64 Nelson St., Mon. to Fri. 11-1230; 15-18; 20- 0030; Sat. 11-19; 20- 0030; Sun. 1130-14; 1630-1830; 20-23 Mie. Genel, Sw. Report to PTT Berne, Speighergasse No. 6 Weekdays 6-17; Sun. 430-1630 EST
1140 (263)	CB114 .1 41TO .7 XMHL .1 2HD .5 4YO 1.5 20. 20. 20.	Santiago, Chile, Chi- lona Comoliddada, E. Llanos 35 Turin, I. Weekdays 130-1730; Sun. 310-1730 EST Shanghai, Chn. Newcastle, Ausl. Box 123, Mon. to Fri. 730-1530; 1630-1730; 19-24; Sat. 730-1530; 1630-1730; 19-130; Sun. 1030-1330; 1630- 1730; 1830-130 Duesdin, N. Z. Mon. to Sat. 17-18; 19-21; Sun. 18-22 London National, G.B. G.B. (1145) North National, G.B. (1149) Weekdays 545-1815; Sun. 1130-1745 EST West National, G.B. (1145) Same as North National
1150(260.7)	HCZET .3 HJ1ABM .05 LR8 .7 OAX4H .. XGOZ .1 YVTRMO .5 2WG .2 RWMZ .1 XHMZ .5 3KZ .6 ZZM .015 2.6	Guyaquil, Ec. (1153) Cartagena, Cib. (1154) Buenos Aires, Arg. 860 Lima, Peru. Radio Davila, Aptdo. 373 Chinkiang, Chn. Maracalbo, Venz. (1153) Wagga, Aus. 15 Fitzmaurice St. Mon. to Sat. 930-1030; 1330-1530; 1930-24; Sun. 2130-2330 Shanghai, Chn. 5. Melbourne, Ausl. 5. Morgan, 64 Elizabeth St., The Brighton Brdg. Stg. "Service" 24 Victoria St. Mon. to Fri. 8-1530; 16-18 1830-100; Sat. 8-1215; 1345-230; Sun. 16-18; 1930-24
1160(258.5)	CB116 .1 CW31 .25 LT5 .5	Valparaiso, Chile, Radio Valparaiso, Prat 773 Salto, Uru. Salvador, E. Pers. 9- 1230; 16-23 Resistencia, Arg. 9 Radio Chaco, Chn. (1194) de Julio

FOREIGN B. C. STATIONS BY FREQUENCIES

77 York St., Mon. to Fri. 830-13; 1630-0030; Sat. 830-14; 1445-0030; Sun. 12-14; 16-2330 Frankfurt, G. (1195) Ecksteinheimer Lands- trahe No. 33 Daily 00-20 EST Freiburg, Ga. (1195) Kalterslautern (1195) Trier, G. (1195) Cassel, G. (1195) Coblentz, G. (1195)	PRG9 .5 XGOT .5 4AK .1 4ZL .1 3	Radio Transmissora Brasileira Sao Paulo, Brazil. Radio Excelsior. Pal-ping, Chn. Oak-ping, Chn. Daily 15-0030 Dunedin, N. Z. 243 Macandrew Rd. Mon. to Thu., Sat. 8-9; 1930-23; Tue., Wed., Fri. 8-9; Sun. 830-1030 Fri. 8-9; Sun. 830-1030 Narvik, Norway (1222)
1230(243.8)	HJ1ABK .3 LS8 .15 XLIR .05 2NC .2 5.	Valparaiso, Chile, Medellin, Cib. Buenos Aires, Arg. Radio Stentor, Flo- rida 8 Hangchow, China Newcastle, Ausl. Relays 2FC and 2BL Mon. to Fri. 830-1530; 1630-1745; 19-100; Sat. 830-1030; 1130- 1830; 19-100; Sun. 1130-1815; 1930-24 Gleiwitz, G. (1231)
1240(241.8)	CB124 .25 CW35 .25 LU7 .2 LV-14 .5 XHYY .1 2ZL .05 3TR .5 6CK .1 6IX .5	Valparaiso, Chile, A. Garcia y Cia., Av. Brasil 212 Paysandu, Uru. Buena Ventura y Mahler, 9-13; 17-22 Bahia Blanca, Argen- tina. Radio Ge. San Martín, Calle Saro- mento 60 La Rioja, Arg. Radio Provincia de La Rioja Shanghai, Chn. John Holden, 609 Park Rd. Thurs. 1830-23; Sun. 930-1200 Sale, Ausl. A Gil- christ, Raymond St., "Gipsyland's Radio Station." Mon. to Fri. 12-15; 1930-24; Sat. 12-1430; 1930-24; Sun. 20-24 Cork, I. F. S. Perth, Ausl. St. George's Terrace, Mon. to Fri. 1230-1430 2130-23; Sat. 1230- 1545; 2130-23; Sun. 17-1830; 2130-200 John-les-Pins, Fr. (1245). Radio Cote d' Azur. Orero, Sw. Saffie, Sw. Varberg, Sw.
1250(239.9)	CX36 .25 EAJ8 .1	Montevideo, Uru. Centenario Brdctg. Ignacio Nunez 2133, 9-14; 17-24 St. Sebastian, Sp. (1258)

FOREIGN B. C. STATIONS BY FREQUENCIES

Radio Club de Sao Paulo, Rua 7 de Abril Yungming, China Brisbane, Ausl. Mon. to Fri. 830-0030; Sat. 830-0130; Sun. 13-1530 1630-24. Dornbirn, Aust. (1294) Klagenfurt, Aust. (1294) Linz, Austria (1294) Vorarlberg, Aus. (1294)	XGOE .1 4BK .5 5. 4.2 20. 2.	HCZJB .03 MABS .035 OAX4L .1 25. PYG8 .25 XLIF .075 No. 3 .1 10. 1260(238)
1260(238)	CB126 .1 LT11 .5 XHHP .1 12M .05 3WR .05 2.	Santiago, Chi. (1265) Consorcio Espanol, Gran Ave. 2564, 9-10; 16-17; 21-22. Parana, Arg. Radio Provincia de Entre Rios. Shanghai, Chn. Manurewa, N. Z. W. Rodgers, Massey Rd. Mon. to Fri. 17- 22; Sat. 13-16; 17-24; Sun. 10-18; 19-22 Shepparton, Ausl. High St. Mon. to Fri. 12-1430; 1930-0030; Sat. 12-1430; 2030-2330 Sun. 2130-2330 Nurnberg, Ga. (1267)
1270(236.1)	LKK .5 LKS .5 LS9 .6 OAAO .1 PRE8 .7 TUA .5 X1YF .015 ZV4 .15 25M .1 10. PRE9 .5 SBC .25 SCK .25 SCO .25 SCQ .25 SAD .3 1. CB132 .1 CD132 .1 CW39 .1 MAE2 1.25 HJ1ABK .05 XL1A .015 3BA .05 1. 25 1 CX38 .5 PRA5 .5	Guyaquil, Ec. Siangyuang, Chn. Lima, Peru. Radio Miraflores, Calle Manco Cabac 347 Buenos Aires, Arg. Rome, I. (1258) Kuldiga, Lat. (1258)
1270(236.1)	CB127 .1 LST .10 PRE9 .5 SBC .25 SCK .25 SCO .25 SCQ .25 SAD .3 1. CB132 .1 CD132 .1 CW39 .1 MAE2 1.25 HJ1ABK .05 XL1A .015 3BA .05 1. 25 1 CX38 .5 PRA5 .5	Santiago, Chi. (1265) Consorcio Espanol, Gran Ave. 2564, 9-10; 16-17; 21-22. Parana, Arg. Radio Provincia de Entre Rios. Shanghai, Chn. Manurewa, N. Z. W. Rodgers, Massey Rd. Mon. to Fri. 17- 22; Sat. 13-16; 17-24; Sun. 10-18; 19-22 Shepparton, Ausl. High St. Mon. to Fri. 12-1430; 1930-0030; Sat. 12-1430; 2030-2330 Sun. 2130-2330 Nurnberg, Ga. (1267)
1280(234.2)	PRG3 .10 XHXX .08 XHJ1A .1 3AW .6 0.07 1. 25 1 CX36 .25 EAJ8 .1	Rio de Janeiro, Brz. Shanghai, Chn. Hankow, China Melbourne, Ausl. 218 Exhibition St. Mon. to Sat. 8-1130; 1230-1; Sun. 1145-14; 18-24. Cromwell, N. Z. John I. Bilton, Low- burn Ferry, Daily 19-21. Aberdeen, G. B. (1285) Dresden, G. (1285) Tientsin, Chn. Montevideo, Uru. Sao Paulo, Brz. (1295)

FOREIGN B. C. STATIONS BY FREQUENCIES

Radio Fenix, Chayos 845-1045; 1430-1530; 19-24; Sat. 9-1045; 1930-0030; Sun. 2030-2335.
 HJIABA .1 Baranquilla, Ciba, E. J. Pellet B., P. O. No. 2 .2 Turin, I. (1357)
 PRE2 .5 Box 751
 FRG7 .25 Jahu, Brz. Radio Club Jahuense
 XGSA .001 Kiangyin, Chn. (1335)
 XLIK .075 Changchow, Chn.
 2BH .1 O'Connell St., Mon. Sun. 1230-15; 20-24.
 4RO .05 Roekhampton, Ausl. Mon., Tue., Thu., Fri., Sat. 1930-2330; Wed. 1930-2245; Sun. 2030-2330
 5. Montpeller, F. (1339)
 2. Bremen, G.
 2. Hanover, G.
 2. Madgeburg, G.
 2. Sletting, G.
 2. Flensburg, G.
 1.7 Lodz, Pol. (1339)

1340(223.7)

CB134 .5 Santiago, Chile. Radio Aliviol, Gumer-sinde 135
 CW19 .05 Rocha, Uruguay. Juan J. Anisipuru y Abel Machado
 LKR .15 Rjukan, Nor. (1348)
 LT7 .5 Corrientes, Arg. Radio Proviñada
 OFE .7 Tampers, Finland. (1348)
 XGED .015 Sanghai, Chn.
 XHHR .05 Shanghai, Chn. Dublin, I.F.S. (1348)
 2RN .1. Dablin, I.F.S. (1348)
 2XN .05 Box 138B. Mon. to Fri. 830-930; 1530-1630; 1930-2330; Sat. 830-930; 1930-2330
 4ZR .004 Balclutha, N. Z. Renton
 Clyde St. Tue. 1930-20; Thu. 19-20; Sun. 10-12; 1930-2130
 No. 2 4. Milan, I. (1348)
 5. Ile de F., F. (1348)
 2. Salzburg, Aust. (1348)
 1. Konigsberg, G. (1348)
 1. Berdeaus, F. (1348)
 5. Cairo, Eg. (1348)

1350(222.4)

LKN .15 Notedden, Nor. (1357)
 L56 6. Buenos Aires, Arg. Radio del Pueblo, Estados Unidos 1816
 OASE .03 Arequipa, Peru
 XQNA .15 Geelong, China. Na-tional Ruzhoui Bldg., Mon. 830-1045; 1430-1530; 19-24; Tue., Wed., Thu. 9-1045; 1430-1530; 19-24; Fri.

1360(220.4)

CC136 .1 Rancagua, Chile. Guillermo Espinosa, Milan 767
 CD136 .1 Magallanes, Chile. Santiago Aguilera
 CW41 .05 Valdivia 250
 OAJK .15 Lima, Peru San Jose, Uru. Radio San Jose 10-14; 18-23.
 PRCS .1 Belem, Brz. (1364) Radio Club de Para
 PRD4 .25 Araraquara, Brz. (1364) Radio Cultura
 Araraquara, Brz.
 PRF3 .5 Ave. Feijó 25 Rio Grande de Sul, Brz. Empresa Radio-difusora Porto Ale-grense
 XQHD .2 Shanghai, Chn. Gunnedah, Ausl. P. O. Box 78. Mon. to Sat. 830-1030; 1330-1530; 1930-2330; Sun. 930-1130; 1530-1730; 1930-2330
 4PM .1 Port Moresby, Ausl. No. 2 .1 Turin, I. (1366)

1370(218.8)

CX42 1. Montevideo, Uru. Colonial Bdstg. Ave. Italia 3646. 11-24
 XHHA .05 Hangchow, Chn. XLDL .05 Hangchow, China
 3HS .05 Horsham, Ausl. 84 Wilson St. Mon., Tue. 1330-15; 20-24; Thu. 1330-15; 20-24; Sat. 1330-15; 20-0030; Sun. 1330-15; 2030-2330
 5. Basle, Swi. (1375)
 5. Berne, Swi. (1375)

1380(217.3)

CB138 5. Santiago, Chile. El Murcurio, Cia. Esq. Morande
 XLME .05 Shanghai, Chn. XLMF .05 Shanghai, Chn. Brisbane, Ausl. Par-bury House, Eagle St. Mon. to Fri. 830-1030; 1230-1430; 19-0030; Sat. 830-1030; 19-0030; Sun. 1330-1630; 20-24
 No. 2 2. Warsaw, Pol. (1386)

1390(215.7)

CB139 .105 Valparaiso, Chile. Zenith-Atahualpa 816
 LRL1 1. La Plata, Arg. Radio Univ. Nec. de La Plata
 XLIN .05 Washb, Chn. Goulburn, Ausl. No. 2 2. Auburn St. Mon. to

FOREIGN B. C. STATIONS BY FREQUENCIES

CW25 .5 Durazno, Uruguay. Artola, Evangelisti y Cia.
 HAE3 1.25 Miskolc, Hung. (1438)
 PRD7 .25 Sorocaba, Brz. Baquedano 715
 RW10 100. Minsk, U.S.R. (1438)
 2WL .05 Wollongong, Ausl. HAE4 1.25 Pecs, Hun. (1465)
 ONAEB .1 Antwerp, Belg. (1465)
 XQHE .15 Shanghai, Chn. "Ferranti Products," Men. to Fri. 12-1330; 20-2330; Sat. 20-2330; Sun. 2030-2230
 4GY .05 Gympie, Ausl. 19-24; Sat. 9-1030; 1330-0030; Sun. 1330-1530; 19-2330.
 1.5 Dresden, G. (1465)
 1. Courtrai, Belg. (1465)
 1. Bega, Ausl.

1440(208.2)

CB144 .1 Santiago, Chile. Se-guros Generales, Mo-neda 1367
 CB144A .1 Santiago, Chile. Na-cimiento, J. Infanta
 CB144B .5 Santiago, Chile. Los Cuatro Ases, Roman Diaz 2000
 CB144C .15 Santiago, Chile. Luis Desmaras Los Leones, Casilla 2860
 LS11 .7 La Plata, Arg. Radio Proa. de Bs. Aires.
 OAEU .05 Arequipa, Peru (1443)
 PRG4 .25 Jabotich, Brz. Radio Club Jabotich (1442)
 XLXQ .03 Shanghai, Chn. 2QN .05 Denilquin, Ausl. 4IP 3. Plymouth, G. B. (1474)
 1. Bourne-mouth, G. B. (1474)

1410(212.6)

CC141 .1 Concepcion, Chl. Radio Phillips, Cau-polican 370.
 CX44 .2 Montevideo, Uru. SAREP Solis
 PRBS .05 Franca, Brz. (1415)
 PRES .25 Uberaba, Brz. Radio Soc. Triangulo Minsro
 XHHA .06 Chuchow, China
 2KO .5 Newcastles, Ausl. 57 Hunter St. Mon. to Fri. 830-1730; 1830-24; Sat. 1330-0030; 20-24; Sun. 1030-1130; 1930-2330
 05. Uddevalla, Swe. (1411)
 Portuguese Common Wave (1411)

1420(211.1)

..... .8 Paris, F. (1424)
 1ZS .05 Auckland, N. Z. Melbourne, Ausl. Princess Theatre. 1615-01; Sun. 1130-14; 16-24
 1.5 Beziers, F. (1429)
 6. Turku, Fin. (1429)
 10. Vaasa, Finland. O. Y. A. B. Suomen Yleisradio

1430(209.7)

CC143 .1 Talca, Chile. Radio Atlantida, Enrique San-garria, Mellino San-doval

1460(205.4)

CB146 .1 San Felipe, Chile. Il-ustre Municipalidad, Baquedano 715
 CW33 .075 Florida, Uruguay. Omar F. Barreiro.
 HAE4 1.25 Pecs, Hun. (1465)
 ONAEB .1 Antwerp, Belg. (1465)
 XQHE .15 Shanghai, Chn. "Ferranti Products," Men. to Fri. 12-1330; 20-2330; Sat. 20-2330; Sun. 2030-2230
 4GY .05 Gympie, Ausl. 19-24; Sat. 9-1030; 1330-0030; Sun. 1330-1530; 19-2330.
 1.5 Dresden, G. (1465)
 1. Courtrai, Belg. (1465)
 1. Bega, Ausl.

1470(204)

CW43 .1 Lavellaja, Uruguay. B. C. Bienes y I. R. Volante.
 XGDZ .001 Changchow, Chn. 2BE .1 Bega, Ausl. 3ZM .06 Christchurch, N. Z. Green & Younger, 253 Brougham St. Mon. to Thu. 730-10; 17-18; 19-22; Fri. 730-10; Sat. 730-10; 20-24; Sun. 11-14; 17-18; 19-22
 4CA .1 Cairns, Ausl. 3. Plymouth, G. B. (1474)
 1. Bourne-mouth, G. B. (1474)

1480(202.6)

CW47 .1 Canelones, Uru. Rafael J. Espiga, 11-14; 16-23
 PRH4 1. Petropolis, Brz. XQHF .2 Shanghai, Chn. 2AY .1 Albury, Ausl. John Dower, 47 York St., (Sydney). Mon. to Fri. 1345-1515; 19-24; Sat. 14-1515; 19-0030
 4BU .1 Bundaberg, Ausl.

1490(201.2)

ON4CE .1 Chatelesnu, Big. (1492)
 XLKS .02 Kashing, Chn. No. 1 .1 Wallonia, Belg. (1492)
 2TM .05 Tamworth, Ausl. 1. Nimcs, F. (1492)
 2. Bines, F. (1492)
 1. Courtrai, Belg. Spanish Common Wave (1492)
 See EAJ in Index by Calls

1500(199.9)

CB150 1. Santiago, Chile. Dresden, G. (1465)
 CX48 1.5 Montevideo, Uruguay Vazquez y Cia., 18 de Julio 1333
 HJSABE ... Cali, Colombia Jose Calderon N. Cia. Radiodifusora Co-lobiana, S. A. Aptd. 50
 PRG6 .25 Cruzeiro, Brz. Soc. Radio Mantl-queira
 VUP 2. Pashawar, India
 XHHT .1 Shanghai, Chn. XOCX .0075 Tsinan, Chn. XQHG .25 Shanghai, China. 3AK .2 Melbourne, Ausl. 116 Queen St. Mon. 630-830; Tue. to Fri. 0100-0330; 630-830; Sat. 0100-0330; 630-830; 1430-1530; Sun. 0100-0430; 14-16; 2330-0130
 25. Pietasari, Fin. Hobart, Ausl.
 2. Radio Alcala, Sp. Belgium has several 100 watt sta-tions on 1500.
 1510(198.6)
 YDA .5 Tandjongpriok, Java
 1530(196.0)
 SCJ .2 Kariskrona, Swe.

FOREIGN B. C. STATIONS BY LOCATIONS

SOUTH AMERICA	
ARGENTINA	
Bahia Blanca	2000
LU2	900
LU7	1240
LU7	2000
Buenos Aires	2000
LR1	1070
LR2	910
LR3	950
LR4	990
LR5	830
LR6	870
LR7	26000
LR8	1150
LR9	1030
LR10	790
LS1	710
LS2	1190
LS3	630
LS4	670
LS5	1110
LS6	1350
LS7	1310
LS8	12000
LS9	1270
LS10	6000
LS10	590
Cordoba	280
LV2	680
LV3	15000
LV3	7000
LV7	1340
La Plata	10250
LR11	1390
LS11	1440
La Rioja	5000
LV14	1240
Mar del Plata	5000
LU6	1300
Mendoza	690
LV6	1210
LV10	500
LV11	1260
Parana	500
LU11	820
Tucuman	1000
Resistencia	1160
LT5	500
Rosario	780
LT1	4000
LT3	1080
LT8	840
San Juan	500
LV1	730
LV5	1120
Santa Fe	500
LT9	1200
LV10	500
LU10	500
LU11	820

FOREIGN B. C. STATIONS BY LOCATIONS

FOREIGN B. C. STATIONS BY LOCATIONS

Country	Station	Power	Frequency	Notes	Country	Station	Power	Frequency	Notes	
BOLIVIA	La Paz	1300	5000		EUROPE	CX34	1210	500		
	CPX	1040	10000			CX36	1250	250		
	BRAZIL	Amparo	1300	50			CX38	1290	500	
		Araucario	1364	250			CX40	1330	500	
		Pania	840	50			CX42	1370	1000	
		PRX	1050	500			CX44	1410	200	
		PR8	950	500			CX46	1450	1500	
		PYG8	1250	250			CX48	1500	1500	
		PR5	1410	250			CX34	1210	500	
		PRE6	740	1500			CX36	1250	250	
CHILE	Concepcion				CX38	1290	500			
	CC64	640	100		CX40	1330	500			
	CC117	1170	100		CX42	1370	1000			
	CC141	1410	100		CX44	1410	200			
	CC96	960	100		CX46	1450	1500			
	CC103	1030	100		CX48	1500	1500			
	CC111	1110	100		CX34	1210	500			
	CC136	1360	100		CX36	1250	250			
	CC112	1120	100		CX38	1290	500			
	CC121	1210	100		CX40	1330	500			
COLOMBIA	Rancagua				CX42	1370	1000			
	CC109	1090	100		CX44	1410	200			
	CC136	1360	100		CX46	1450	1500			
	CC140	1400	100		CX48	1500	1500			
	CC146	1460	100		CX34	1210	500			
	CC157	1570	5000		CX36	1250	250			
	CC92	920	1000		CX38	1290	500			
	CC78	780	1000		CX40	1330	500			
	CC82	820	1000		CX42	1370	1000			
	CC97	970	3000		CX44	1410	200			
PERU	San Antonio				CX46	1450	1500			
	CC136	1360	100		CX48	1500	1500			
	CC140	1400	100		CX34	1210	500			
	CC146	1460	100		CX36	1250	250			
	CC157	1570	5000		CX38	1290	500			
	CC92	920	1000		CX40	1330	500			
	CC78	780	1000		CX42	1370	1000			
	CC82	820	1000		CX44	1410	200			
	CC97	970	3000		CX46	1450	1500			
	CC103	1030	1000		CX48	1500	1500			
URUGUAY	San Felipe				CX34	1210	500			
	CC146	1460	100		CX36	1250	250			
	CC157	1570	5000		CX38	1290	500			
	CC92	920	1000		CX40	1330	500			
	CC78	780	1000		CX42	1370	1000			
	CC82	820	1000		CX44	1410	200			
	CC97	970	3000		CX46	1450	1500			
	CC103	1030	1000		CX48	1500	1500			
	CC106	1060	1000		CX34	1210	500			
	CC114	1140	1000		CX36	1250	250			
VENEZUELA	San Antonio				CX38	1290	500			
	CC136	1360	100		CX40	1330	500			
	CC140	1400	100		CX42	1370	1000			
	CC146	1460	100		CX44	1410	200			
	CC157	1570	5000		CX46	1450	1500			
	CC92	920	1000		CX48	1500	1500			
	CC78	780	1000		CX34	1210	500			
	CC82	820	1000		CX36	1250	250			
	CC97	970	3000		CX38	1290	500			
	CC103	1030	1000		CX40	1330	500			

FOREIGN B. C. STATIONS BY LOCATIONS

ASIA		CEYLON		CHINA	
Goteborg	941	Kazan	10000	XHIN	1260
SBB	10000	Khar'kov	10000	XHHP	1200
Horby	1131	Kiev	10000	XHHQ	1280
SBH	10000	Krasnodar	200	XHHR	1340
Kariskrona	1530	Krasnodar	200	XHHS	1100
SCJ	1530	Krasnodar	200	XHHT	1500
Karistad	250	Leningrad	10000	XHHU	1160
SGK	1312	Leningrad	10000	XHHV	1160
Malmo	1312	Magnitogorsk	10000	XHHX	920
SBC	1312	Magnitogorsk	10000	XHHY	1240
Norrkoping	250	Makhatch	10000	XHHZ	1180
SCO	1312	Minsk	4000	XLHA	780
Orebro	1240	Moscow	10000	XLHB	560
Ornskoldsvik	1402	Moscow	10000	XLHC	720
Safle	1240	Moscow	10000	XLHE	720
Stockholm	55000	Moscow	10000	XLHF	1380
SBA	704	Moscow	10000	XLHG	1380
Sundsvall	601	Moscow	10000	XLHI	760
Trollhattan	1312	Moscow	10000	XLHJ	760
SCQ	1312	Moscow	10000	XLHK	800
Uddevalla	1410	Moscow	10000	XLHL	800
Umea	1402	Moscow	10000	XLHM	1120
Varberg	1240	Moscow	10000	XLHN	1120
SWITZERLAND		Moscow	10000	XLHO	1400
Basle	1375	Moscow	10000	XLHP	1440
Berne	1375	Moscow	10000	XLHQ	1440
Beremunter	556	Moscow	10000	XLHA	600
Monte Ceneri	1167	Moscow	10000	XLHB	600
Sottens	677	Moscow	10000	XLHC	600
U. S. R.		Moscow	10000	XLHD	600
Alexandrovsk	2000	Moscow	10000	XLHE	600
Archangl	586	Moscow	10000	XLHF	600
RW36	586	Moscow	10000	XLHG	600
RW35	598	Moscow	10000	XLHI	600
RW34	522	Moscow	10000	XLHJ	600
RW41	563	Moscow	10000	XLHK	600
RW48	704	Moscow	10000	XLHL	600
RW55	932	Moscow	10000	XLHM	600
RW82	608	Moscow	10000	XLHN	600
RW40	959	Moscow	10000	XLHO	600
RW54	959	Moscow	10000	XLHP	600
RW42	565	Moscow	10000	XLHQ	600
RW23	676	Moscow	10000	XLHA	600
RW85	871	Moscow	10000	XLHB	600
RW78	767	Moscow	10000	XLHC	600
RW77	3000	Moscow	10000	XLHD	600
tochar-Ola	888	Moscow	10000	XLHE	600
RW61	888	Moscow	10000	XLHF	600
RW31	625	Moscow	10000	XLHG	600
RW46	686.5	Moscow	10000	XLHI	600
		Moscow	10000	XLHJ	600
		Moscow	10000	XLHK	600
		Moscow	10000	XLHL	600
		Moscow	10000	XLHM	600
		Moscow	10000	XLHN	600
		Moscow	10000	XLHO	600
		Moscow	10000	XLHP	600
		Moscow	10000	XLHQ	600
		Moscow	10000	XLHA	600
		Moscow	10000	XLHB	600
		Moscow	10000	XLHC	600
		Moscow	10000	XLHD	600
		Moscow	10000	XLHE	600
		Moscow	10000	XLHF	600
		Moscow	10000	XLHG	600
		Moscow	10000	XLHI	600
		Moscow	10000	XLHJ	600
		Moscow	10000	XLHK	600
		Moscow	10000	XLHL	600
		Moscow	10000	XLHM	600
		Moscow	10000	XLHN	600
		Moscow	10000	XLHO	600
		Moscow	10000	XLHP	600
		Moscow	10000	XLHQ	600
		Moscow	10000	XLHA	600
		Moscow	10000	XLHB	600
		Moscow	10000	XLHC	600
		Moscow	10000	XLHD	600
		Moscow	10000	XLHE	600
		Moscow	10000	XLHF	600
		Moscow	10000	XLHG	600
		Moscow	10000	XLHI	600
		Moscow	10000	XLHJ	600
		Moscow	10000	XLHK	600
		Moscow	10000	XLHL	600
		Moscow	10000	XLHM	600
		Moscow	10000	XLHN	600
		Moscow	10000	XLHO	600
		Moscow	10000	XLHP	600
		Moscow	10000	XLHQ	600
		Moscow	10000	XLHA	600
		Moscow	10000	XLHB	600
		Moscow	10000	XLHC	600
		Moscow	10000	XLHD	600
		Moscow	10000	XLHE	600
		Moscow	10000	XLHF	600
		Moscow	10000	XLHG	600
		Moscow	10000	XLHI	600
		Moscow	10000	XLHJ	600
		Moscow	10000	XLHK	600
		Moscow	10000	XLHL	600
		Moscow	10000	XLHM	600
		Moscow	10000	XLHN	600
		Moscow	10000	XLHO	600
		Moscow	10000	XLHP	600
		Moscow	10000	XLHQ	600
		Moscow	10000	XLHA	600
		Moscow	10000	XLHB	600
		Moscow	10000	XLHC	600
		Moscow	10000	XLHD	600
		Moscow	10000	XLHE	600
		Moscow	10000	XLHF	600
		Moscow	10000	XLHG	600
		Moscow	10000	XLHI	600
		Moscow	10000	XLHJ	600
		Moscow	10000	XLHK	600
		Moscow	10000	XLHL	600
		Moscow	10000	XLHM	600
		Moscow	10000	XLHN	600
		Moscow	10000	XLHO	600
		Moscow	10000	XLHP	600
		Moscow	10000	XLHQ	600
		Moscow	10000	XLHA	600
		Moscow	10000	XLHB	600
		Moscow	10000	XLHC	600
		Moscow	10000	XLHD	600
		Moscow	10000	XLHE	600
		Moscow	10000	XLHF	600
		Moscow	10000	XLHG	600
		Moscow	10000	XLHI	600
		Moscow	10000	XLHJ	600
		Moscow	10000	XLHK	600
		Moscow	10000	XLHL	600
		Moscow	10000	XLHM	600
		Moscow	10000	XLHN	600
		Moscow	10000	XLHO	600
		Moscow	10000	XLHP	600
		Moscow	10000	XLHQ	600
		Moscow	10000	XLHA	600
		Moscow	10000	XLHB	600
		Moscow	10000	XLHC	600
		Moscow	10000	XLHD	600
		Moscow	10000	XLHE	600
		Moscow	10000	XLHF	600
		Moscow	10000	XLHG	600
		Moscow	10000	XLHI	600
		Moscow	10000	XLHJ	600
		Moscow	10000	XLHK	600
		Moscow	10000	XLHL	600
		Moscow	10000	XLHM	600
		Moscow	10000	XLHN	600
		Moscow	10000	XLHO	600
		Moscow	10000	XLHP	600
		Moscow	10000	XLHQ	600
		Moscow	10000	XLHA	600
		Moscow	10000	XLHB	600
		Moscow	10000	XLHC	600
		Moscow	10000	XLHD	600
		Moscow	10000	XLHE	600
		Moscow	10000	XLHF	600
		Moscow	10000	XLHG	600
		Moscow	10000	XLHI	600
		Moscow	10000	XLHJ	600
		Moscow	10000	XLHK	600
		Moscow	10000	XLHL	600
		Moscow	10000	XLHM	600
		Moscow	10000	XLHN	600
		Moscow	10000	XLHO	600
		Moscow	10000	XLHP	600
		Moscow	10000	XLHQ	600
		Moscow	10000	XLHA	600
		Moscow	10000	XLHB	600
		Moscow	10000	XLHC	600
		Moscow	10000	XLHD	600
		Moscow	10000	XLHE	600
		Moscow	10000	XLHF	600
		Moscow	10000	XLHG	600
		Moscow	10000	XLHI	600
		Moscow	10000	XLHJ	600
		Moscow	10000	XLHK	600
		Moscow	10000	XLHL	600
		Moscow	10000	XLHM	600
		Moscow	10000	XLHN	600
		Moscow	10000	XLHO	600
		Moscow	10000	XLHP	600
		Moscow	10000	XLHQ	600
		Moscow	10000	XLHA	600
		Moscow	10000	XLHB	600
		Moscow	10000	XLHC	600
		Moscow	10000	XLHD	600
		Moscow	10000	XLHE	600
		Moscow	10000	XLHF	600
		Moscow	10000	XLHG	600
		Moscow	10000	XLHI	600
		Moscow	10000	XLHJ	600
		Moscow	10000	XLHK	600
		Moscow	10000	XLHL	600
		Moscow	10000	XLHM	600
		Moscow	10000	XLHN	600
		Moscow	10000	XLHO	600
		Moscow	10000	XLHP	600
		Moscow	10000	XLHQ	600
		Moscow	10000	XLHA	600
		Moscow	10000	XLHB	600
		Moscow	10000	XLHC	600
		Moscow	10000	XLHD	600
		Moscow	10000	XLHE	600
		Moscow	10000	XLHF	600
		Moscow	10000	XLHG	600
		Moscow	10000	XLHI	600
		Moscow	10000	XLHJ	600
		Moscow	10000	XLHK	600
		Moscow	10000	XLHL	600
		Moscow	10000	XLHM	600
		Moscow	10000	XLHN	600
		Moscow	10000	XLHO	600
		Moscow	10000	XLHP	600
		Moscow	10000	XLHQ	600
		Moscow	10000	XLHA	600
		Moscow	10000	XLHB	600
		Moscow	10000	XLHC	600
		Moscow	10000	XLHD	600
		Moscow	10000	XLHE	600

NORTH AMERICAN B. C. STATIONS BY FREQUENCIES

NORTH AMERICAN B. C. STATIONS BY FREQUENCIES

570 kcys. (526.0) []
 KWTO ak 5000 D Springfield, Mo.
 WFIL ak 1000 B Philadelphia, Pa.
 WIND ak 1000 C Cary, Ind.
 WIS ak 1000 N (5) Columbia, S. C.
 WOAM ae 1000 C Mexico, Fla.
 XEAO ak 250 I (15) Mexicali, L. C.
 XEFC ak 100 [] Merida, Yuc.

580 kcys. (516.9) []
 KGKO ak 250 C (1) Wichita Falls, Tex.
 KMTR ak 1000 C Hollywood, Calif.
 KVI ak 1000 [] Tacoma, Wash.
 WKBN ae 500 IC Youngstown, Ohio
 WMCA ak 500 C New York, N. Y.
 WNAX ak 1000 C (5) Yankton, S. D.
 WOSU ak 750 I (1) Columbus, Ohio
 WSYR ak 250 BX Syracuse, N. Y.
 WWNC ak 1000 N Asheville, N. C.

590 kcys. (508.2) []
 KFPR z 50 F Prince Rupert, B. C.
 CHYC ak 100 F Quebec, Que.
 CHXV ak 100 F Toronto, Ont.
 CKUL ae 100 F Edmonton, Alta.
 KEMJ ak 1000 C [] Fresno, Calif.
 KSCS ak 500 I (1) Manhattan, Kans.
 WKSZ ak 1000 C (1) Charleston, W. Va.
 WDBW ak 1000 C Orlando, Fla.
 WRBO ak 1000 C2 (5) Topeka, Kans.
 WTAC ae 500 R Worcester, Mass.

600 kcys. (499.7) []
 KHQ ak 1000 R (2.5) Spokane, Wash.
 WEEL ak 1000 R Boston, Mass.
 WKZO ae 1000 DX Kalamazoo, Mich.
 WOW ae 5000 R (5) Omaha, Neb.
 XEPN ak 50000 [] Piedras Negras, Coah.

610 kcys. (491.5) []
 CFCF ae 400 FN Montreal, Que.
 CJOR ak 500 [] Vancouver, B. C.
 CMW ak 1400 [] Havana, Cuba
 CRCW ak 500 F (1) Windsor, Ont.
 FON z 250 609 St. Pierre, Miq.
 FSD ak 1000 B San Diego, Calif.
 WCAC ae 500 2 Storrs, Conn.
 WCAO ae 500 C (1) Baltimore, Md.
 WCC ae 500 2C (1) Bridgeport, Conn.
 WMT ak 1000 B (2.5) Cedar Rapids, Ia.
 WREC ak 1000 C (2.5) Memphis, Tenn.

620 kcys. (483.6) []
 KFRC ck 1000 C (5) San Francisco, Cal.
 WDAF ak 1000 R (5) Kansas City, Mo.
 WIP ae 500 D Philadelphia, Pa.
 WJAY ae 500 D Cleveland, Ohio
 XFX ak 1000 [] Mexico City, D. F.

630 kcys. (475.9) []
 CFCY ak 100 F Chatham, Ont.
 CJRC ae 1000 F Charlottetown, P. E. I.
 CKOV ak 500 F (1) Winnipeg, Man.
 KFRU ak 500 I (1) Kelowna, B. C.
 KGFJ ak 200 D Columbia, Mo.
 WGBF ak 500 I Pierre, S. D.
 WMAL ak 250 B Evansville, Ind.
 WOS ak 500 ID Washington, D. C.
 WPRO ak 250 [] Jefferson City, Mo.
 XEZ z 500 [] Providence, R. I.
 [] Merida, Yuc.

640 kcys. (468.5) []
 CMBC dj 150 Havana, Cuba
 KFI ah 50000 R Los Angeles, Calif.
 WAIU ae 500 D Columbus, Ohio
 WOI ae 5000 D Ames, Iowa
 XEOX ak 500 [] Saltillo, Coah.

650 kcys. (461.3) []
 WSM ae 50000 N Nashville, Tenn.

660 kcys. (454.3) []
 WAAW ak 500 D Omaha, Neb.
 WEAJ ak 50000 R New York, N. Y.

670 kcys. (447.5) []
 WMAQ ak 50000 N Chicago, Ill.

680 kcys. (440.9) []
 CMCG ak 150 D Havana, Cuba
 KFQO ak 2500 R St. Joseph, Mo.
 KPO z 500 R San Francisco, Cal.
 RDN ak 500 San Salvador, E. S.
 VAS ak 2000 685 Glace Bay, N. S.
 VOWR ck 500 681 St. John's, Nfld.
 WPTF ae 5000 DnN Raleigh, N. C.

690 kcys. (434.5) []
 CFRB ak 10000 C Toronto, Ont.
 CJCJ aj 100 F Calgary, Alta.
 NAA ak 1000 [] Arlington, Va.
 XET ak 500 [] Monterrey, N. L.

700 kcys. (428.3) []
 WLW ak 500000 N Cincinnati, Ohio

710 kcys. (422.3) []
 KIRO ae 500 Seattle, Wash.
 KMPC ak 500 [] Beverly Hills, Cal.
 XEN ak 1000 [] Newark, N. J.
 [] Mexico City, D. F.

720 kcys. (416.4) []
 WGN ak 50000 [] Chicago, Ill.

730 kcys. (410.7) []
 CFPL ak 100 F London, Ont.
 CJCA ah 1000 F Edmonton, Alta.
 CKC ck 5000 C Montreal, Que.
 CMK ae 3000 [] Havana, Cuba

630 kcys. (475.9) []
 —John Beardsall, Wm. Pitt Hotel
 —Island Radio Co., 143 Great George St.
 —155 Royal Alexandra Hotel
 —Okanagan Broadcasters, Box 243
 —KFRU, Inc., Ninth and Elm Sts.
 —Dana McNeil, Box 573
 —NBC, Inc., 712 - 11th St., N. W.
 —State Highway Control, Capitol Bldg.
 —Cherry & Webb Bldg. Co., 15 Chestnut
 —Jorge L. Falomeque

640 kcys. (468.5) []
 —Maximo Gomez 139
 —Earle C. Anthony, Inc., 1000 S. Hope St.
 —Deshler-Wallick Hotel
 —Iowa State College
 —Antonio Garza C., Victoria 4 (altos)

650 kcys. (461.3) []
 —National Life and Accident, 301 Seventh St.

660 kcys. (454.3) []
 —Omaha Grain Exchange
 —NBC, Inc., 30 Rockefeller Plaza

670 kcys. (447.5) []
 —NBC, Inc., Merchandise Mart

680 kcys. (440.9) []
 —La Onda, S. A., Calle Malecon 340
 —KFCO, Inc., Schneider Bldg.
 —NBC, Inc., 111 Sutter St.
 —Republic of El Salvador
 —Canadian Marconi Co., Ltd.
 —Wesley United Church, Box 157
 —WPTF Radio Co., 324 Fayetteville St.

690 kcys. (434.5) []
 —Rogers-Majestic Corp., 37 Bloor St.
 —Albertan Pub. Co., New Albertan Bldg.
 —United States Navy
 —P. O. Box 203, Haidaigo.

700 kcys. (428.3) []
 —Crosley Radio Corp., 1329 Arlington St.

710 kcys. (422.3) []
 —Tower Bldg.
 —Bev. Hills Bldg. Corp., 9631 Wilshire
 —Bamberger Bldg. Sys., 147 Market St.
 —G. de la Conde, Dolores No. 1

720 kcys. (416.4) []
 —WGN, Inc., 435 N. Michigan Ave.

730 kcys. (410.7) []
 —London Free Press, Richmond St.
 —Edmonton Journal, 10122 - 100 A St.
 —La Presse Pub. Co., 980 St. Catherine St.
 —Cla. Nacional de Radio, Hotel Plaza

NORTH AMERICAN B. C. STATIONS BY FREQUENCIES

740 kcys. (405.2)	KMMJ ae 1000 D KTRB ak 250 D WHEB ak 250 D WSB ah 5000 N	Clay Center, Neb. Modesto, Calif. Portsmouth, N. H. Atlanta, Ga.
750 kcys. (399.8)	CMCW dk 150 KGU ak 2500 N WJR ak 50000 C XEAM z 7.5	Havana, Cuba Honolulu, T. H. Detroit, Mich. Matamoros, Tams.
760 kcys. (394.5)	CMHX ak 200 KXA ae 250 (5) WBAL ae 2500 BS WEW ae 1000 D WJZ ak 50000 BS XEOK z 250	Cienfuegos, Cuba Seattle, Wash. Baltimore, Md. St. Louis, Mo. New York, N. Y. Tijuana, L. C.
770 kcys. (389.4)	CMFAS ak 150 KFAB ak 10000 CSY WBBM ae 50000 CSY	Havana, Cuba Lincoln, Neb. Chicago, Ill.
780 kcys. (384.4)	CHWK dk 100 F CKSO ak 1000 F CMJK ak 250 KEDW ak 500 D KFGL ak 250 KFOH ak 1000 N(2.5) KTM ak 500 C WEAN ae 500 C WMC ak 1000 N(5) WTR ac 500 N(1) XEYZ z 10000	Chilliwack, B. C. Sudbury, Ont. Camaguey, Cuba Brookings, Calif. Burlington, S. D. Anchorage, Alaska Billings, Mont. Los Angeles, Calif. Providence, R. I. Memphis, Tenn. Norfolk, Va. Mexico City, D. F.
790 kcys. (379.5)	CMGH z 250 KGO ak 7500 B WGY ak 50000 R	Matanzas, Cuba San Francisco, Cal. Schenectady, N. Y.
800 kcys. (374.8)	HIX ak 700 WFAA ak 50000 Na WFBP ak 50000 Na WTBO ak 250 D	Trujillo, D. R. Fort Worth, Tex. Dallas, Tex. Cumberland, Md.
810 kcys. (370.2)	CMCF ak 600 WCCO ae 50000 C WNYC ak 1000 D XFC z 350	Havana, Cuba Minneapolis, Minn. New York, N. Y. Aguascalientes, Ags.
820 kcys. (365.6)	GMHW ak 100 WNAS aj 50000 C XEMAS z	Cienfuegos, Cuba. Louisville, Ky. Coronado Isle, L. C.
830 kcys. (361.2)	KOA ak 50000 N WEEU ak 1000 D	Denver, Colo. Reading, Pa.

NORTH AMERICAN B. C. STATIONS BY FREQUENCIES

WHDH ae 1000 Dn WRUF ae 5000 Dn	Boston, Mass. Gainesville, Fla.	--Metheson Radio Co., 62 Boylston --University of Florida
840 kcys. (356.9)	CRCO ak 1000 F CRCT ak 5000 FN VOGY ak 400 XERA ck 250000	Saskatoon, Sask. Toronto, Ont. St. John's, Nfld. Villa Acuna, Coah.
850 kcys. (352.7)	CMBN z 150 KIEV ak 250 D TIEP z 500 WESG ak 1000 C WKL ae 1000 D WWL ae 10000 C XEFE z 250	Havana, Cuba Glendale, Calif. San Jose, C. R. Elmira, N. Y. East Lansing, Mich. New Orleans, La. Nuevo Laredo
860 kcys. (348.6)	WABC ak 50000 C WHB ak 1000 D XEMO ak 5000	New York, N. Y. Kansas City, Mo. Tijuana, L. C.
870 kcys. (344.6)	WENR ak 50000 Na WLS ae 50000 Na	Chicago, Ill. Chicago, Ill.
880 kcys. (340.7)	CFIC ak 100 F CMO ak 500 F CRCO ak 1000 F KFKA ak 500 2 (1) KLLX ae 1000 KPDF ae 500 2 WCOC ae 500 (1) WGBI ae 500 1 WPHR ak 500 1 WVAN ae 250 1 WSUI ae 500 (1)	Kamloops, B. C. Havana, Cuba Ottawa, Ont. Greely, Colo. Oakland, Calif. Denver, Colo. Meridian, Miss. Scranton, Pa. Petersburg, Va. Scranton, Pa. Iowa City, Iowa
890 kcys. (336.9)	KARK ak 250 (5) KFNF ak 500 2 (1) KFPY ak 1000 C X KUSD ae 500 2 WBAA ak 1000 C WGST ak 1000 D WILL ak 250 2 (1) WJAR ae 500 R WMMN ak 500 C(1) XEW ak 50000	Little Rock, Ark. Shenandoah, Iowa Spokane, Wash. Vermillion, S. D. W. Lafayette, Ind. Atlanta, Ga. Urbana, Ill. Providence, R. I. Fairmount, W. Va. Mexico City, D. F.
900 kcys. (333.1)	KGBU ak 500 C(5) KHJ ak 1000 (5) KSIK ck 250 R(5) WBEN ak 1000 D WELI z 500 D WFMD ah 500 D WJAX aeh 1000 N(5) WKY ae 1000 N WLBL ak 2500 D WTAD ak 500 D	Ketchikan, Alaska Los Angeles, Calif. Pocatello, Idaho Buffalo, N. Y. New Haven, Conn. Frederick, Md. Jacksonville, Fla. Oklahoma City, Okla. Stevens Point, Wis. Quincy, Ill.
910 kcys. (329.6)	CJAT ak 1000 F	Trail, B. C.

NORTH AMERICAN B. C. STATIONS BY FREQUENCIES

CRGM ak 5000 F Montreal, Que.
 XENT ak 150000 Nuevo Laredo, Tams.
920 kcys. (325.9)
 CMXK ae 1000 Havana, Cuba
 HHK ae 1000 Port-au-Prince, Haiti
 KFEL ak 500 Denver, Colo.
 KOMO a (5) Seattle, Wash.
 KPRC ak 1000 Houston, Texas
 KQVD ak 1000 Denver, Colo.
 WAAF ak 1000 Chicago, Ill.
 WORL ae 1000 D. Needham, Mass.
 WPEN ak 250 (5) Philadelphia, Pa.
 WRX ak 250 (5) Philadelphia, Pa.
 WSPA ae 1000 Spartanburg, S. C.
 WWJ ae 1000 Detroit, Mich.
 XEAA ak 200 Mexicali, L. C.

930 kcys. (322.4)
 CFAC ak 100 F Calgary, Alta.
 CFCH ak 100 F North Bay, Ont.
 CFCL ae 100 Prescott, Ont.
 CHNS ae 1000 Halifax, N. S.
 CKPC ae 1000 Brantford, Ont.
 CKPR ak 100 Fort William, Ont.
 KGBZ ak 1000 (2) York, Neb.
 KMA ak 1000 (2) Shenandoah, Iowa
 KROW ak 1000 Oakland, Calif.
 TIRH z 50 San Jose, C. R.
 WBRC ak 1000 C Birmingham, Ala.
 WDBJ ae 1000 C(5) Roanoke, Va.
 XEBH z 500 Hermosillo, Sonora

940 kcys. (319.0)
 KOIN ak 1000 C(5) Portland, Ore.
 VOAS ak 500 St. John's, Nfld.
 WAAT ak 500 Jersey City, N. J.
 WAVE bk 1000 N. Louisville, Ky.
 WGSB ae 1000 R(2.5) Portland, Maine
 WDAY ae 1000 D. Fargo, N. D.
 WHA ak 2500 D. Madison, Wis.
 XEFO ak 5000 (XFO) Mexico City, D. F.

950 kcys. (315.6)
 CJOC ak 100 F Lethbridge, Alta.
 CMCD ak 250 Havana, Cuba
 CRCS ak 100 F Chicoutimi, Que.
 KFVB ak 1000 (5) Hollywood, Calif.
 KHSL ak 250 D. Chico, Calif.
 KMBC ae 1000 C(5) Kansas City, Mo.
 WRC ak 500 R(1) Washington, D. C.
 YNVA z 30 Managua, Nic.

960 kcys. (312.3)
 CKY ak 15000 F Winnipeg, Man.
 XEAW ck 50000 Reynosa, Tams.

970 kcys. (309.1)
 CMBY z 150 Havana, Cuba.
 KUR ak 5000 B Seattle, Wash.
 WCFI ae 5000 B Chicago, Ill.
 WIBG ae 100 D. Glenside, Pa.

980 kcys. (306.0)
 KDKA ae 5000 B Pittsburgh, Pa.
 XEF z 100 Juarez, Chih.

990 kcys. (302.8)
 WBZ ak 50000 BSy Boston, Mass.

NORTH AMERICAN B. C. STATIONS BY FREQUENCIES

WBZA ak 1000 BSy Springfield, Mass.
 XEAF ak 500 Nogales, Sonora
 XEK ak 1000 Mexico City, D. F.
 XES dk 250 Tampico, Tams.

1000 kcys. (299.8)
 CMBZ ak 150 Havana, Cuba
 KFVD ak 250 Dn Los Angeles, Calif.
 TIGH z 500 San Jose, C. R.
 WHO ak 50000 R Des Moines, Iowa
 XEBK z 100 Nuevo Laredo, Tams.
 XEY z 10 Merida, Yuc.

1010 kcys. (296.9)
 CHML ak 100 F Hamilton, Ont.
 HWL ak 500 3F Regina, Sask.
 CKCB ak 100 F Vancouver, B. C.
 CKCC ak 500 3F Regina, Sask.
 CKCC ak 100 F Ottawa, Ont.
 CKIC ak 150 Wolfville, N. S.
 CKWX ak 100 F Vancouver, B. C.
 CMJA ak 50 Camagney, Cuba
 KCGF ak 1000 2 Coffeyville, Kans.
 KOW ak 1000 30 Cartago, C. R.
 TGA z 1014 New York, N. Y.
 WHN ae 1000 (5) Normal, Okla.
 WNIAD ak 1000 C(2) Knoxville, Tenn.
 XEY ak 250 Veracruz, Ver.

1020 kcys. (293.9)
 KYW ak 10000 R Philadelphia, Pa.
 WDW ak 250 D Tuscola, Ill.
 XEJ ak 1000 Juarez, Chih.

1030 kcys. (291.1)
 CFLN ak 10000 Calgary, Alta.
 GKW ak 5000 Windsor, Ont.
 CMCY ak 1000 Havana, Cuba
 XEB ak 10000 Mexico City, D. F.

1040 kcys. (288.3)
 KRLD ae 10000 C Dallas, Texas
 KWJJ ak 500 Portland, Ore.
 WTIC ah 50000 Hartford, Conn.

1050 kcys. (285.5)
 CMKD ak 250 Santiago, Cuba
 CRCK ak 1000 F Quebec, Que.
 KFBI ak 5000 Dn Abilene, Kans.
 KNX ak 50000 Hollywood, Calif.
 TIFA z 75 San Jose, C. R.

1060 kcys. (282.8)
 CMBX ak 200 Havana, Cuba.
 KTHS ae 10000 N Hot Springs, Ark.
 VOAC z 40 1065 St. John's, Nfld.
 WBAL ak 10000 B Baltimore, Md.
 WJAG ak 1000 D Norfolk, Neb.
 XEA ak 500 Guadaluajara, Jal.

1070 kcys. (280.2)
 CMHA z 50 Sagua la Grande, C.
 KJBS ak 500 Dn San Francisco, Cal.
 WCAZ ak 100 D Carthage, Ill.
 WTAM ak 50000 R Cleveland, Ohio

—Westinghouse El. & Mfg. Co., Hotel Kimball
 —Francisco C. Elias, Hotel Central
 —Arturo Martinez Jalapa No. 51
 —Fernando Sada, Box 309

—M. y C. Salas, San Rafael No. 14
 —E. L. Cord, 645 Mariposa
 —Central Brcdstg. Co., 914 Walnut St.
 —Ramon Rubio, Calle 64, No. 568

—Maple Leaf Radio Co., Pigott Bldg.
 —R. H. Williams & Sons, Kitchener Hotel
 —Van, Daily Province, 42 Hastings St., W.
 —Leader-Post, 150, 1853 Hamilton St.
 —Dr. Gelder, 272 Somerset St., W.
 —Acadia University, Co. Hotel Georgia
 —Western Brcdstg. Co., Box 64
 —Rafael Valdez, P. O. Box 64
 —F. Bell & Platz, Coffeyville Journal Bldg.
 —87 E. San Antonio St.
 —Marcus Loew Agency, 1540 Broadway
 —University of Oklahoma
 —Continental Brcdstg. Corp., Hotel Johnson
 —Fernando Pazos S., Independencia 98

—Westinghouse Elec. Co., 1622 Chestnut St.
 —WDZ Brcdstg. Co., Inc.
 —Juan G. Buttner, P. O. Box 111

—Grant & Love, Toronto Gen. Trust Bldg.
 —Guaranty Trust Building
 —Manuel Outran, Calle "G", 215, Vedado
 —El Buen Tono, S. O., Aptdo. 79-44

—KRLD Radio Corp., Adolphus Hotel
 —KWJJ Brcdstg. Co., 622 Salmon St.
 —Travelers Brcdstg. Co., 26 Grove St.

—Radioemisora Oriental, Box 23
 —C. R. B. C., Chateau Frontenac Hotel
 —Farmers and Bankers Life, Box 345
 —West. Brcdstg. Co., 1558 N. Vine St.

—Alberto Alvarez, San Miguel 194
 —Chamber of Commerce, Box 86
 —American Radio News Corp., Lexington Bldg.
 —Norfolk Daily News
 —Alberto Palos Sauza

—Abelardo Menocal, Carrillo No. 31
 —Julius Brunton & Sons, 1380 Bush St.
 —Superior Brcdstg. Service, 97 1/2 Adams
 —NBC, Inc., 1367 E. 6th St.

NORTH AMERICAN B. C. STATIONS BY FREQUENCIES

1080 kcys. (277.6)	WBT ak 50000 C Charlotte, N. C. WCBF ak 5000 Dn Waukegan, Ill. WMBI ak 5000 Chicago, Ill.	—Station WBT, Inc., Wilder Bldg. —WCBF, Inc., Karcher Hotel —Moody Bible Institute, 153 Institute Place
1090 kcys. (275.1)	KMOX ak 50000 C St. Louis, Mo. XEAQ ak 1000 Rosario, L. C.	—Voice of St. Louis, 401 S. 12th St. —P. O. Box 32, Tijuana
1100 kcys. (272.6)	CRCV ak 500 Vancouver, B. C. KQDM ak 1000 Stockton, Calif. KWKH ae 10000 C Springfield, La. WJWL ak 5000 I New York, N. Y. WPC ak 5000 IC Atlantic City, N. J. XEL z 250 Mexico City, D. F.	—C. R. B. C., 1150 Main St. —E. F. Peffer, 42 S. California St. —Times Pub. Co., Spring & Fannin Sts. —415 W. 59th St. —City of Atlantic City, Convention Hall —Plaza de San Juan 15
1110 kcys. (270.1)	CMCJ ak 500 Havana, Cuba KS00 ak 2500 Dn Sioux Falls, S. D. WRVA ae 5000 N Richmond, Va. XELO z 10000 Piedras Negras, Co.	—Rafael Rodriguez, Estevez No. 4 —Sioux Falls Brdcastg. Co., Carpenter Hotel —Larus & Bros. Co., 22nd and Gary Sts. —Piedras Negras Brdcastg. Co., Madero 53
1120 kcys. (267.7)	CHLP ak 100 Montreal, Que. CKXJ ae 500 F (1) St. John, N. B. CKOC ae 500 F (1) Hamilton, Ont. CKX ak 1000 F Brandon, Man. CMGF dk 150 Matanzas, Cuba CMKM ak 200 D Manzanillo, Cuba KFIO ae 100 D Spokane, Wash. KFKG ag 500 a(2.5) Los Angeles, Calif. KRSD ag 500 a(2.5) Spring Arcade KRSC ak 100 D Seattle, Wash. WCOP ak 500 D Boston, Mass. WDEL ak 250 (5) Wilmington, Del. WISN ak 250 (1) Milwaukee, Wis. WTAW ae 500 College Station, Tex.	—La Patrie Pub. Co., Sun Life Bldg. —N. B. Brdcastg. Co., Admiral Beatty Bldg. —Westworth Brdcastg. Co., Wentworth Bldg. —Manitoba Telephone System, City Hall Sq. —Calle Grnl. Betancourt 51 —Merchan Figaredo, P. O. Box 4 —Spokane Brdcastg. Corp., Ziegler Bldg. —Echo Park Assn., 1100 Glendale Blvd. —Radio Brdcasters, Inc., 815 Spring Arcade —Radio Sales Corp., Wash. Athletic Club —Joseph M. Kirby, Hotel Copley-Plaza —WDEL, Inc., 10th and King Sts. —Hearst Radio, Inc., 123 W. Michigan St. —Agricultural & Mechanical College
1130 kcys. (265.3)	GMJI ak 50 Giego de Avila, Cuba KSL ae 20000 C Salt Lake City, Utah WJJD ak 5000 Dn Chicago, Ill. WQV ag 1000 D New York, N. Y.	—Gilberto Gesse Lopez, Independencia 95 —Radio Service Corp., Vermont Bldg. —WJJD, Inc., 201 N. Wells St. —International Brdcastg. Co., 132 W. 43rd St.
1140 kcys. (263.0)	CMBG z 200 Havana, Cuba KVOO ak 25000 IN Tulsa, Okla. WAPI ae 5000 IN Birmingham, Ala. WSPR z 500 P Springfield, Mass.	—John L. Stowers, Hospital No. 100 —Southwestern Sales Corp., Wright Bldg. —WAPI Brdcastg. Corp., Protective Life Bldg. —Connecticut Valley Brdcastg. Co.
1150 kcys. (260.7)	GMJF z 200 Camaguey, Cuba WHAM ae 50000 B Rochester, N. Y. XED ae 2500 1155 Guadalupe, Jal. XKFL z 250 Tijuana, L. C. XEH ak 250 Monterrey, N. L. XEWZ ak 100 Mexico City, D. F.	—John L. Stowers, Republica No. 88 —Stromberg-Carlson Mfg. Co., 100 Carlson Rd. —Cla. Radiofonografica, Aptdo. 197 —P. O. Box 6, San Diego, Calif. —Tarnava y Cia., P. O. Box 147 —Jesus Valezzi E., P. O. Box 291
1160 kcys. (258.5)	GMHJ z 100 Cienfuegos, Cuba WOWO ae 10000 IC Fort Wayne, Ind. WWVA ak 5000 W Wheeling, W. Va. XEAS z 100 Saftillo, Coah.	—Romualdo Ugaldé, Sta. Elena 104 —Main Auto Supply Co., 213 W. Main St. —W. Va. Brdcastg. Corp., Hawley Bldg. —La Voz del Comercio en Saftillo.

NORTH AMERICAN B. C. STATIONS BY FREQUENCIES

XEC XESL z 30 Tijuana, L. C. z Tijuana, L. C.	—Luis F. Encisco, Teatro Zaragoza	
1170 kcys. (256.3)	CMBD z 150 Havana, Cuba ae 50000 C Philadelphia, Pa.	—Luis Perez G., Calle 17, 3, Vedado —WCAU Brdcastg. Corp., 1622 Chestnut St.
1180 kcys. (254.1)	CMJO ak 50 Giego de Avila, Cuba KEX ak 5000 2B Portland, Ore. KOB ak 10000 Z Albuquerque, N.M. VE9EK ak 10 1185 Montmagny, Que. WDGY ak 1000 Dn (5) Minneapolis, Minn. WINS ak 1000 New York, N. Y. WMAZ ak 1000 Macon, Ga. XEFA z 500 Mexico City, D. F.	—B. Idefonso, Calle Maceo y C. Central —Oregonian Pub. Co., Oregonian Bldg. —Albuquerque Journal, Box 1319 —J. A. Marquis, Box 570, 909 W. Broadway —Jr. Geo. W. Young, 909 W. Broadway —Hearst Radio, Inc., 114 E. 58th St. —Southeastern Brdcastg. Co., 211 Condon Ave. —Eduardo Limon S., Mediterráneo 236
1190 kcys. (252.0)	HJI z 15 1195 Trujillo, D.R. VONF ak 500 St. John's, Nfld. WATR ak 100 D Waterbury, Conn. WOAI ak 50000 N San Antonio, Tex. WSAZ ak 1000 Huntingdon, W. Va.	—Tuto Baez, Hostos 34 —Dominion Brdcastg. Co., Ltd., Box 135 —WATR, Inc., 47 Grand St. —Southland Industries, Inc., 1038 Navarro —WSAZ, Inc., P. O. Box 729
1200 kcys. (249.9)	CHAB ak 100 Moose Jaw, Sask. CKNX ak 150 Wingham, Ont. CKTB ae 150 St. Catharines, Ont. CMCO ak 150 Havana, Cuba KADA ak 100 D Ada, Okla. KBTM ak 100 D Jonesboro, Ark. KFJB ak 100 (25) Marshalltown, Iowa KFXD ae 100 (25) Nampa, Idaho KFGJ ak 100 (25) Grand Junc., Colo. KGDE ak 100 Sterling, Colo. KGFJ ae 100 Los Angeles, Calif. KGLI ak 100 Little Rock, Ark. KMH ak 100 Lowell, Ariz. KSN ak 100 Bellingham, Wash. KVSJ dk 100 C Stockton, Calif. KWG ak 100 Bangor, Maine WABI ak 100 Anderson, S. C. WAIM ak 100 Ponca City, Okla. WBW ak 100 New Orleans, La. WBNO ak 100 I Rapid City, S. D. WCAT ak 100 Burlington, Vt. WCAX ak 100 Janesville, Wis. WCLO ak 100 Cincinnati, Ohio WCPD ae 100 3 (25) Easton, Pa. WEST ae 100 8 Canton, Ohio WFAM ak 100 (25) Canton, Ohio WHBC ak 100 (25) Green Bay, Wis. WHBY ae 100 (3) C Utica, N. Y. WIBX ak 100 (25) St. Louis, Mo. WIL ak 100 6 (25) Bloomington, Ill. WJBC ak 100 1 Decatur, Ill. WJBL ak 100 1 New Orleans, La. WJBW ak 100 3 W. Palm Beach, Fla. WJNO z 100 3 (25) Harrisburg, Pa. WLVA ak 100 (25) Lynchburg, Va. WMFR ae 100 D High Point, N. C. WMPC ak 100 (25) Lapeer, Mich. WNRI ak 100 (25) Newport, R. I. WRBL ak 100 DP Columbus, Ga. WTHT z 100 8 Hartford, Conn. WVAE ae 100 Hammond, Ind. z Redding, Calif.	—CHAB, Ltd., P. O. Box 26 —Wingham Radio Club, Box 65 —E. T. Sandell, Welland House —Enrique Lasanta, Calle Oficios 116 —C. C. Morris —Jay P. Beard —Marshall Elec. Co., Inc., 1603 W. Main St. —Frank E. Hurt, 1024 Twelfth Ave., S. —Western Slope Brdcastg. Co., Hillcrest Manor —C. L. Jaren —Elmer G. Beehler, 109 W. 2nd St. —Ben S. McGlashan, 1417 S. Figueroa —Kansas Brdcastg. Co., Marlon Hotel —Liners Brdcastg. Station, Francis Hotel —Copper Electrical Co., Drawer C —KVOJ, Inc., 115 W. Magnolia St. —Medico-Dental Building —Community Brdcastg. Service —Anderson College —C. L. Carrell, 407 W. South Ave. —Coliseum Baptist Church, Hotel New Orleans —South Dakota State School of Mines —Burlington Daily News, 203 College St. —Gazette Prtg. Co., 200 E. Milwaukee St. —Continental Radio Co., Hotel Sinton —Lancaster Broadcasting Service —South Bend Tribune, 225 W. Colfax Ave. —Edw. P. Graham, 319 Tuscola St., W. —WHBY, Inc., Bellin Bldg. —WIBX, Inc., First Nat'l Bank Bldg. —Missouri Brdcastg. Corp., Melbourne Hotel —Kaskaakia Brdcastg. Co. —Commodore Brdcastg. Co., Gushard Bldg. —C. C. Carlson, Godchaux Bldg. —Hazelwood, Inc. —Keystone Brdcastg. Corp., Penn Harris Hotel —Lynchburg Brdcastg. Corp., 915 Main St. —Hart and Nelson —First Methodist Church, 81 Liberty St. —S. George Webb, 21 Bull St. —WRBL, Inc., Royal Theater Bldg. —Hartford Times, Inc. —Hammond-Calumet Brdcastg. Corp. —Golden Empire Brdcastg. Co.
1210 kcys. (247.8)	CJCS z 50 Stratford, Ont.	—M. I. Higgins, 151 Ontario St.

NORTH AMERICAN B. C. STATIONS BY FREQUENCIES

CJCU	z	50	.....	Aklavik, N. W. T.
CKBI	ak	100	F	Prince Albert, Sask.
CKCH	ak	100	F	Hull, Que.
CKMC	ak	150	.....	Santa Clara, Cuba
CKHI	ak	150	.....	Elk City, Okla.
KASA	ak	100	.....	DeVils Lake, N. D.
KDLR	ak	100	.....	Del Monte, Calif.
KDON	z	100	.....	Klamath Falls, Ore.
KFJI	ak	100	(25)	C Lincoln, Neb.
KFOR	ak	100	.....	Fort Smith, Ark.
KFFW	ak	100	6	Cape Girardeau, Mo.
KFXM	ak	100	9	San Bernardino, Calif.
KGY	ak	100	.....	Olympia, Wash.
KIUL	ak	100	.....	Garden City, Kans.
KPPC	ak	100	.....	Pasadena, Calif.
KVSO	ak	100	9	Ardmore, Okla.
KWTN	ak	1000	.....	Watertown, S. D.
TGW	ak	1000	.....	Guatemala City
WALR	ak	100	.....	Zanesville, Ohio
WBAX	ak	100	.....	Wilkes Barre, Pa.
WBBL	ak	100	3	Richmond, Va.
WBRE	ak	100	(25)	Red Bank, N. J.
WCOR	ak	100	(25)	Columbus, Ohio
WCRW	ak	100	.....	Hagerstown, Md.
WCSB	ak	100	4	Chicago, Ill.
WEDO	ak	100	6	Harrisburg, Ill.
WFSB	ak	100	4	Chicago, Ill.
WGBB	ak	100	3	White Plains, N. Y.
WGMM	ak	100	(25)	Freeport, N. Y.
WGNB	ak	100	.....	Gulfport, Miss.
WGNV	ak	100	3	Chester, N. Y.
WHBU	ak	100	(25)	Rock Island, Ill.
WHBF	ak	100	(25)	Anderson, Ind.
WIBU	ak	100	(25)	Poyntette, Wis.
WJBY	ak	100	.....	Gadsden, Ala.
WJLJ	ak	100	D	Hagerstown, Md.
WJWM	z	100	(25)	Lansing, Mich.
WJWV	ak	100	(25)	Akron, Ohio
WKOK	ak	100	.....	Sunbury, Pa.
WMBG	ak	100	C(25)	Richmond, Va.
WMFG	z	100	.....	Hibbing, Minn.
WMFN	ak	100	.....	Clarksdale, Miss.
WOMT	ak	50	.....	Jamestown, N. Y.
WPAK	ak	250	D	Manitowoc, Wis.
WSAY	z	100	DP	Thomasville, Ga.
WSBY	ak	100	.....	Rochester, N. Y.
WSXC	ak	100	Y	Chicago, Ill.
WSOC	ak	100	N(25)	Springfield, Tenn.
WTAX	ak	100	.....	Charlottesville, N. C.
XEAT	z	50	.....	Springfield, Ill.
XEE	z	50	.....	Hidalgo, Chih.
XEFV	ak	100	.....	Durango, Dgo.
XETH	ak	100	.....	Juarez, Chih.
				Puebla, Pue.

1220 keys. (245.8)

CMJE	z	50	a(5)	Camaguey, Cuba
KFKU	ak	1000	SZ	Lawrence, Kans.
KWSC	ak	1000	2(2)	Pullman, Wash.
WCAD	ak	500	D	Canton, N. Y.
WCBE	ak	1000	R(5)	Pittsburgh, Pa.
WDAA	ak	1000	Ba(5)	Tampa, Fla.
WREN	ak	1000	.....	Lawrence, Kas.
XETF	ak	12	.....	Veracruz, Ver.

1230 keys. (243.8)

CMGR	ak	150	.....	Havana, Cuba
KGBX	ak	500	.....	Springfield, Mo.
KYGM	ak	200	(5)	Albuquerque, N.M.
WFBM	ak	1000	C(5)	San Francisco, Calif.
WJAC	ak	1000	C(2.5)	Indianapolis, Ind.
WFAE	ak	1000	.....	Boston, Mass.
XEFJ	ak	100	.....	Monterrey, N. L.
YNOP	z	100	.....	Managua, Nic.

NORTH AMERICAN B. C. STATIONS BY FREQUENCIES

1240 keys. (241.8)

CJCR	ak	1000	F	Sydney, N. S.
CMHR	z	50	.....	Sancti Spiritus, Cuba
KLPM	ak	250	1	Minot, N. D.
KGPM	ak	250	1	Fort Worth, Texas
KTAT	ak	1000	.....	Twin Falls, Idaho
KTFI	ak	1000	.....	San Juan, P. R.
WKAO	ak	1000	B	Detroit, Mich.
WXYZ	ak	250	.....	Tijuana, L. C.
XEAC	z	100	.....	Mexico City, D. F.
XEKL	z	50	.....	Leon, Guan.
XELA	z	50	.....	Satitillo, Coah.
XEME	z	15	.....	Merida, Yuc.

1250 keys. (239.9)

CMKC	ak	150	.....	Santiago, Cuba
KFOX	ae	1000	.....	Long Beach, Calif.
WCAL	ah	1000	2(2.5)	Northfield, Minn.
WDSU	ak	1000	a(2.5)	New Orleans, La.
WHBI	ak	1000	a(2.5)	Newark, N. J.
WLB	ak	1000	2	Minneapolis, Minn.
WNEW	ae	1000	a(2.5)	Newark, N. J.
WTCN	ak	1000	2(5)	Minneapolis, Minn.

1260 keys. (238.0)

CERN	ak	100	F	Edmonton, Alta.
KOIL	ak	1000	B(2.5)	Missoula, Mont.
KOPI	ak	500	D	Council Bluffs, Ia.
KRCV	ak	500	D	Port Arthur, Texas
KUVA	ak	1000	D	Westaco, Texas
KUWA	ak	500	.....	Fayetteville, Ark.
KVOA	ak	500	.....	Tucson, Ariz.
WHIO	ak	1000	R	Dayton, Ohio
WNBX	ak	1000	.....	Springfield, Vt.
WTOC	ae	1000	C	Savannah, Ga.

1270 keys. (236.1)

CMHD	ak	250	.....	Calhoun, Cuba
KGCA	ak	100	2D	Decorah, Iowa
KOL	ae	1000	C(2.5)	Seattle, Wash.
KVOR	ak	1000	C	Colorado Spgs., Colo.
KWLC	ak	100	2D	Decorah, Iowa
WASH	ak	500	R	Baltimore, Md.
WBRB	ae	500	R	Grand Rapids, Mich.
WJDX	ae	1000	N(2.5)	Tackson, Miss.
WOOD	ak	500	aN	Grand Rapids, Mich.
XEG	z	200	.....	Ensenada, L. C.
XEB	ak	250	.....	Jalapa, Ver.
YNLF	z	20	1275	Managua, Nic.

1280 keys. (234.2)

KFBB	ae	1000	(2.5)	Great Falls, Mont.
WCAM	ae	500	1	Camden, N. J.
WCAP	ae	500	1	Asbury Park, N. J.
WDOD	ak	1000	C(5)	Chattanooga, Tenn.
WIBA	ae	1000	N(5)	Madison, Wis.
WORC	ak	500	C	Worcester, Mass.
WRR	ak	500	1	Dallas, Texas
WTNJ	ak	500	1	Trenton, N. J.
XEMX	z	12	.....	Mexico City, D. F.

1290 keys. (232.4)

KDYL	ak	1000	NX	Salt Lake City, Utah
KLCN	ak	100	D	Blytheville, Ark.
KTRH	ak	1000	C(5)	Houston, Texas
WBCB	ae	1000	N(5)	Superior, Wis.
WJAS	ak	1000	C(2.5)	Pittsburgh, Pa.
WNBZ	z	100	D	Saranac Lake, N. Y.
WNEL	ak	1000	(2.5)	San Juan, P. R.

NORTH AMERICAN B. C. STATIONS BY FREQUENCIES

.....	.....	.....	.....	N. Nathanson, 318 Charlotte St.
.....	.....	.....	.....	V. E. Weiss, Cia., Independencia 33
.....	.....	.....	.....	Mandar Radio, Asst., 704 W. Main St.
.....	.....	.....	.....	John P. Cooley, Box 521
.....	.....	.....	.....	Fort Worth National Bank Bldg.
.....	.....	.....	.....	Radio Brdctg. Corp., Box 521
.....	.....	.....	.....	Kunsky-Trendle Brdctg. Corp.
.....	.....	.....	.....	Carlos Conzales C., Insurgentes 366
.....	.....	.....	.....	Cia. Radio del Bajio, 5 de Mayo 26

.....	.....	.....	.....	J. A. Saco, P. O. Box 466
.....	.....	.....	.....	Nichols & Warinner, 220 E. Anaheim St.
.....	.....	.....	.....	St. Olaf College
.....	.....	.....	.....	WDSU, Inc., Hotel Monteleone
.....	.....	.....	.....	May Brdctg. Corp., 100 Shipman St.
.....	.....	.....	.....	University of Minnesota
.....	.....	.....	.....	Wodaam Corp., 100 Shipman St.
.....	.....	.....	.....	Minn. Brdctg. Corp., Wesley Temple Bldg.

.....	.....	.....	.....	G. R. A. Rice, 109 C. P. R. Bldg.
.....	.....	.....	.....	Mosby's Inc., 240 N. Higgins
.....	.....	.....	.....	Central States Brdctg. Co.
.....	.....	.....	.....	Fort Arthur College
.....	.....	.....	.....	KFCV, Inc.
.....	.....	.....	.....	KUVA, Inc., Washington Hotel
.....	.....	.....	.....	Alz. Bigney Co., 39 S. Willow St.
.....	.....	.....	.....	MNBX Brdctg. Corp., 39 Main St.
.....	.....	.....	.....	Savannah Brdctg. Co., DeSoto Hotel

.....	.....	.....	.....	Manuel Alvarez M., Escobar 17
.....	.....	.....	.....	Chas. W. Greenley, 201 Water St.
.....	.....	.....	.....	Seattle Brdctg. Co., Northern Life Tower
.....	.....	.....	.....	S. H. Patterson, Antlers Hotel
.....	.....	.....	.....	Luther College
.....	.....	.....	.....	Kunsky-Trendle Brdctg. Corp.
.....	.....	.....	.....	Baltimore Radio Show, 7 St. Paul St.
.....	.....	.....	.....	Lamar Life Insurance Co.
.....	.....	.....	.....	Kunsky-Trendle Brdctg. Corp.
.....	.....	.....	.....	Juan C. Chavez, Av. Obregon 958
.....	.....	.....	.....	Gobierno del Estado de Veracruz

.....	.....	.....	.....	Buttrey Brdctg. Co., P. O. Box 1817
.....	.....	.....	.....	City of Camden, City Hall
.....	.....	.....	.....	Radio Industries, Inc., Convention Hall
.....	.....	.....	.....	WDOD Brdctg. Corp., Hotel Patten
.....	.....	.....	.....	Badger Brdctg. Co., 111 King St.
.....	.....	.....	.....	Alf. E. Kleindienst, 60 Franklin St.
.....	.....	.....	.....	City of Dallas, Southland Bldg.
.....	.....	.....	.....	Trenton Brdctg. Co., Stacy Trent Hotel
.....	.....	.....	.....	Alfonso T. Avales, Salamanca 87

.....	.....	.....	.....	Intermountain Brdctg. Corp.
.....	.....	.....	.....	C. L. Lintzenich, Main & Division Sts.
.....	.....	.....	.....	KTRH Brdctg. Co., Rice Hotel
.....	.....	.....	.....	Spaulding Hotel, Duluth, Minn.
.....	.....	.....	.....	Chamber of Commerce Bldg.
.....	.....	.....	.....	Smith and Mace, 70 Broadway
.....	.....	.....	.....	Smith Pizza, Box 1252

NORTH AMERICAN B. C. STATIONS BY FREQUENCIES

1300 kcys. (230.6)

KALE	ak	500	Portland, Ore.
KFAC	ak	1000	Los Angeles, Calif.
KFHC	ak	1000	Wichita, Kans.
KFJR	ag	500	Portland, Ore.
WBRR	ak	1000	Brooklyn, N. Y.
WFAB	ac	1000	New York, N. Y.
WFBC	ac	1000	New York, N. Y.
WHAZ	ae	500	Greenville, S. C.
WHBL	ae	500	Troy, N. Y.
WIOD	ak	1000	Sheboygan, Wis.
			Miami, Fla.

1310 kcys. (228.9)

CHCK	ak	50	Charlottetown, P.E.I.
CJKL	ak	1000	Kirkland Lake, Ont.
CJLS	ak	100	Yarmouth, N. S.
CKCV	ak	100	Quebec, Que.
KRFL	dk	100	Jerome, Ariz.
KFJR	dk	100	Dublin, Texas
KFYR	dk	100	Oklahoma City, Okl.
KFYO	dk	100	Lubbock, Texas
KGCX	ak	100	Wolf Point, Mont.
KGEZ	aj	100	KallsPELL, Neb.
KGFV	ak	100	Kearney, Neb.
KINY	ak	100	Juneau, Alaska
KIUT	ak	100	Yakima, Wash.
KIUV	ak	100	Santa Fe, N. Mex.
KMED	ck	100	Medford, Ore.
KPDN	z	100	Pampa, Texas
KRMD	ak	100	Shreveport, La.
KROC	z	100	Rochester, Minn.
KTSM	ak	100	El Paso, Texas
KVOL	ak	100	Lafayette, La.
KXRO	ak	100	Aberdeen, Wash.
WAME	ak	100	Laurel, Miss.
WBOW	ae	100	Marquette, Mich.
WBRE	ak	100	Terre Haute, Ind.
WCLS	ak	100	Wilkes Barre, Pa.
WJOL	ak	100	Joliet, Ill.
WCMI	z	100	Ashland, Ky.
WDAA	ak	100	El Paso, Texas
WBEP	ach	100	Buffalo, N. Y.
WEMR	z	100	Milwaukee, Wis.
WEXL	ak	50	Royal Oak, Mich.
WFBG	ae	100	Aloona, Pa.
WFDL	mk	100	Flint, Mich.
WGH	aj	100	Newport News, Va.
WHAT	ak	100	Philadelphia, Pa.
WJAC	ae	100	Johnstown, Pa.
WLAK	z	100	Lakeland, Fla.
WLBC	ak	100	Muncie, Ind.
WLNB	ak	100	Laconia, N. H.
WMBO	ak	100	Auburn, N. Y.
WMFF	ak	250	Pittsburg, N. Y.
WNBH	ak	100	New Bedford, Mass.
WOL	ak	100	Washington, D. C.
WRAL	ak	100	Reading, Pa.
WROL	ak	100	Knoxville, Tenn.
WSAJ	ae	100	Grove City, Pa.
WSSN	ak	100	Birmingham, Ala.
WTSJ	ak	100	Winston-Salem, N.C.
WTEL	ce	100	Tallahassee, Fla.
WTEL	ce	100	Philadelphia, Pa.
WTRC	ak	100	Jackson, Tenn.
WTRC	ak	100	Eikhart, Ind.
WEAG	z	10	Cordoba, Ver.
WEGV	z	10	Mexico City, D. F.
WETB	ak	250	Tampico, Tams.
WETB	ak	125	Torreón, Cosh.
XEFA	ak	125	Monterrey, N. L.
XFA	z	5	Aguaquehientes, Ags.

1320 kcys. (227.1)

CMOX	ak	250	Havana, Cuba
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NORTH AMERICAN B. C. STATIONS BY FREQUENCIES

1330 kcys. (225.4)

CMHK	z	250	Crucas, Cuba
KGB	ag	1000	San Diego, Calif.
KMO	ak	250	Tacoma, Wash.
KSCJ	aj	1000	Sioux City, Iowa
WDRJ	ak	1000	Hartford, Conn.
WSAI	ak	1000	Cincinnati, Ohio
WTAQ	ae	1000	Green Bay, Wis.

1340 kcys. (223.7)

HRNJ	z	75	Camaguey, Cuba
KGDY	ak	250	Huron, S. D.
KGIR	ak	1000	Butte, Mont.
KGNO	ak	250	Dodge City, Kans.
WCOA	ak	500	Pensacola, Fla.
WFEA	ae	500	Manchester, N. H.
WSPD	ae	1000	Toledo, Ohio
XFD	z	350	Jalapa, Ver.

1350 kcys. (222.1)

CMCA	z	250	Havana, Cuba
KIDO	ak	1000	Boise, Idaho
KWK	ak	1000	St. Louis, Mo.
WAWZ	ae	500	Zarephath, N. J.
WBNX	ae	250	New York, N. Y.

1360 kcys. (220.4)

CMJH	dk	50	Ciego de Avila, Cuba
KRJC	ak	250	Enid, Okla.
KGEC	ak	1000	Long Beach, Calif.
WCSB	ak	500	Charleston, S. C.
WFBL	ak	1000	Syracuse, N. Y.
WGES	ae	500	Chicago, Ill.
WQBC	ak	1000	Vicksburg, Miss.
WSBT	ak	1000	South Bend, Ind.

1370 kcys. (218.8)

CKCW	ak	100	Moncton, N. B.
CMGE	ak	150	Cardenas, Cuba
HIZ	z	10	Trujillo, D. R.
KAST	ak	100	Ashtabula, Ore.
KELD	z	100	El Dorado, Ark.
KERN	ak	100	Bakersfield, Calif.
KFGQ	ak	100	Boone, Iowa
KFJM	ak	100	Grand Forks, N. D.
KFRZ	ae	100	Fort Worth, Texas
KGAR	ae	100	Longview, Tex.
KGFG	bk	100	Tucson, Ariz.
KGFL	ak	100	Oklahoma City, Okla.
KGKL	ak	100	Roswell, N. M.
KICA	ak	100	San Angelo, Texas
KIUP	ak	100	Glovis, N. Tex.
KLUC	ak	100	Durango, Colo.
KLUF	z	100	Guatemala, Guatemala
KMAC	ak	100	San Antonio, Tex.
KONO	ak	100	San Antonio, Tex.
KRE	ak	100	Berkeley, Calif.
KRKO	ak	50	Everett, Wash.
KSLM	ak	100	Salem, Ore.
KUL	ak	100	Wallula, Wash.
KVL	ak	100	Seattle, Wash.
KWKC	ak	100	Kansas City, Mo.

—C. P. Ritchie, 113 Broadway
—Honolulu Brdctg. Co., Box 2663
—KID Brdctg. Co., Box 487
—715 Locust St.
—Alten T. Simmons, P. O. Box 29
—York Brdctg. Co., 15 S. Beaver St.
—WSMB, Inc., Maison Blanche Bldg.

—Virgilio Villanueva, Calle Heredia 61
—Don Lee System, 1012 First Ave.
—KMO, Inc., Hotel Winthrop
—Perkins Bros Co., 415 Douglas St.
—WDRJ, Inc., Corning Bldg., 11 Asylum St.
—Grosley Radio Corp., 1329 Arlington St.
—WHBY, Inc., Bellin Bldg.

—M. Caymares, Republica 181
—Voice of S. Dak., Inc., 347 Dakota St.
—KGIR, Inc., 121 W. Broadway
—First National Bank Bldg.
—Pensacola Brdctg. Co., San Carlos Hotel
—New Hamp. Brdctg. Co., Carpenter Hotel
—Toledo Brdctg. Co., 505 Jefferson
—Gobierno Estado de Veracruz

—Testar y Gonzales, Av. de Italia
—Boise Brdctg. Station, Hotel Boise
—Thomas Patrick, Inc., Hotel Chase
—Pillar of Fire
—Standard Cahill Co., 260 E. 161st St.

—Luis Marauri H., Castilla 37
—Enid Radiophone Co., Oxford Hotel
—Consolidated Brdctg. Co., 435 Pine St.
—S. C. Brdctg. Corp., Francis Marion Hotel
—Onondaga Brdctg. Co., Onondaga Hotel
—Oak Leaves Brdctg. Co., 4000 Washington
—Delta Brdctg. Corp., Hotel Vicksburg
—South Bend Tribune, 225 W. Colfax Ave.

—Moncton Brdctg. Co., K. of P. Hall
—Genaro Sebatier, Av. Cespedes 180
—Abbes y Garcia, Calle Duarte 68
—Abraham Shapiro, 611 Commercial St.
—T. H. Baker, Elk's Club
—Statio Biblical College, 924 W. 2nd St.
—Boone Brdctg. Co., University of North Dakota
—University of North Dakota
—Voice of Longview, Box 86
—Tucson Motor Service, 142 S. 6th Ave.
—Oklahoma Brdctg. Co., 1113 N. Broadway
—KGBL, Inc., 507 N. Main St.
—KGBL, Inc., St. Angelus Hotel
—Southwest Brdctg. Co.
—C. Guy Shepard, 2800 Main St.
—C. R. Clough, Buccaneer Hotel
—W. W. McAllister, Smith-Young Tower
—Mission Brdctg. Co., Milam Bldg.
—First Cong. Church, 2337 Shattuck Ave.
—Lee Mudgett, 2814 Rucker Ave.
—Oregon Radio, Inc.
—KUL, Inc., Marcus Whitman Hotel
—KVL, Inc., 2101 Smith Tower
—W. Duncan Brdctg. Co., 3915 Main St.

NORTH AMERICAN B. C. STATIONS BY FREQUENCIES

KWYO ak	100	Sheridan, Wyo.
WABY aj	100	Albany, N. Y.
WAGL ak	150	D
WATF ak	200	Dothan, Ala.
WBNI z	100	Atlanta, Ga.
WBTV ak	2P(25)	Buffalo, N. Y.
WBMB ae	100	(25) Danville, Va.
WDAS ae	100	(25) Baltimore, Md.
WEOA z	100	(25) Philadelphia, Pa.
WGLD ae	100	C Fort Wayne, Ind.
WHBO ak	100	(25) Memphis, Tenn.
WHDF ak	100	P Calumet, Mich.
WHLE z	100	P Virginia, Minn.
WLJH ak	100	(25) Jackson, Mich.
WMBR ak	100	(25) Lowell, Mass.
WMLD ak	100	(25) Jacksonville, Fla.
WOFD ak	100	D Wilmington, N. C.
WOPC ak	100	C(25) Decatur, Ala.
WPIY ak	100	C(25) Davenport, Iowa
WQBY ak	100	Fortsmouth, Ohio
WQFB ak	100	St. Albans, Vt.
WQPK ak	100	(25) WilliamSPORT, Pa.
WRNO ak	100	Augusta, Maine
WRUN ak	100	Racine, Wis.
WRSV ak	150	D2 Buffalo, N. Y.
WSPZ ak	100	(25) Mexico City, D. F.
XEIZ z	125	Morelia, Mich.
XEZZ z	250	San Luis Potosi, SLP.
..... z	100	P New Albany, Ind.
..... z	100	P St. Paul, Minn.

1380 kcys. (217.3)

CMCR z	150	Havana, Cuba.
KOH z	500	C Reno, Nev.
KOV z	500	C(1) Pittsburgh, Pa.
WALA af	1000	C(1) Mobile, Ala.
WNCB ae	1000	C(1) LaCrosse, Wis.
WNBB ae	250	D New Britain, Conn.
WSMK ak	200	C Dayton, Ohio

1390 kcys. (215.7)

CMJC z	150	Camaguey, Cuba
HHH ak	15	1395 San Ped.de Macoris
KLRA ae	1000	D(2.5) Little Rock, Ark.
KOOS ae	250	D Marshallfield, Ore.
KOY ae	500	(1) Phoenix, Ariz.
WHK ae	1000	C(2.5) Cleveland, Ohio

1400 kcys. (214.2)

CMGC z	100	Matanzas, Cuba
CMKR z	100	..... Santiago, Cuba
KLO ak	500	N Ogden, Utah
KTUL ak	500	C(1) Tulsa, Okla.
TGX ak	250	2 Guatemala City, Gt.
WARD ae	500	P Brooklyn, N. Y.
WBBC z	500	P Brooklyn, N. Y.
WBLZ ak	500	R(1) Indianapolis, Ind.
WLTH ak	500	2 Brooklyn, N. Y.
WVFW ak	500	2 Brooklyn, N. Y.

1410 kcys. (212.6)

CHNC ak	500	F(1) New Carlisle, Que.
CKFC ak	50	5 Vancouver, B. C.
CKMO ag	100	5F Vancouver, B. C.
KGNC ae	1000	(2.5) Amarillo, Texas
WAAB ak	500	C Boston, Mass.
WBGM ae	500	(5) Bay City, Mich.
WHIS ak	250	(5) Bluefield, W. Va.
WROK ak	500	C(1) Rockford, Ill.
WSPA ak	500	C(1) Montgomery, Ala.

NORTH AMERICAN B. C. STATIONS BY FREQUENCIES

1420 kcys. (211.1)

CKGB ak	100	F Timmins, Ont.
CMCO z	250	Havana, Cuba.
KABC ak	100	(25) San Antonio, Texas
KABR ak	100	D Aberdeen, S. Dak.
KALB z	100	4 Alexandria, La.
KBPS aj	100	F Portland, Ore.
KCMC ak	100	P Texarkana, Ark.
KFUB z	100	F Price, Utah.
KFIZ ak	100	(25) Fond du Lac, Wis.
KGFF ak	100	(25) Shawnee, Okla.
KGGC ak	100	(25) San Francisco, Cal.
KGIW z	100	XZ Alamosa, Colo.
KHBC z	100	1 Hilo, T. H.
KIDW ak	100	Lamar, Colo.
KIUN ak	100	Pecos, Texas
KNET z	100	D Palestine, Texas
KORE ae	100	Eugene, Ore.
KRLK ak	100	D Lewiston, Idaho
KRLH z	100	D Midland, Tex.
KUMA ak	100	..... Yuma, Ariz.
KXKL ak	100	..... Hutchinson, Kans.
WACO ak	100	C(25) Portland, Ore.
WAGM ae	100	2 Prescott, Maine
WAZL ak	100	2 Hazleton, Pa.
WCHV ak	100	3(25) Springfield, Ill.
WEED ak	100	3 Rocky Mount, N. C.
WEHS ak	100	a Cicero, Ill.
WELL ak	100	..... Battle Creek, Mich.
WGPC ak	100	..... Albany, Ga.
WHDL ak	100	D Olean, N. Y.
WHFC ae	100	2 Wilmington, Del.
WILM aj	100	P Baton Rouge, La.
WJBR z	100	..... Gastonia, N. C.
WJMS z	100	..... Ironwood, Mich.
WKBI ak	100	a Cicero, Ill.
WLAP ak	100	(25) Lexington, Ky.
WLEU ak	100	(25) Erie, Pa.
WMBB ae	100	C(25) Springfield, Mass.
WMBH aj	100	(25) Detroit, Mich.
WMSD ak	100	(25) Joplin, Mo.
WPAD ak	100	(25) Daytona Beach, Fla.
WPRP ak	100	(25) Sheffield, Ala.
XEAZ z	7	P Paducah, Ky.
XEFB ak	100	P(25) Parkersburg, W. Va.
..... z	100	..... Ponce, P. R.
..... z	100	..... Guanaajuato, Gto.
..... z	100	..... Monterrey, N. L.

1430 kcys. (209.7)

CMJP ak	75	Camaguey, Cuba
KECA ah	1000	(5) B Los Angeles, Calif.
KGNF ak	1000	D North Platte, Neb.
KSO ak	500	C(1) Iowa Falls, Iowa
WBNS ae	500	C(1) Columbus, Ohio
WHCC ak	500	C(1) Rochester, N. Y.
WHP ak	500	C(1) Harrisburg, Pa.
WNRB ae	500	(1) Memphis, Tenn.
WOKO aj	500	C(1) Albany, N. Y.

1440 kcys. (208.2)

CMOA z	150	Havana, Cuba
HP50 z	25	..... Colon, Panama
KDFN ak	250	D Casper, Wyo.
KLS ag	500	D Oakland, Calif.
KXYZ ak	1000	(1441) Houston, Texas
TIFS z	7.5	(1441) Cartago, C. R.
WBIG ae	500	C(1) Greensboro, N. C.
WCBA aj	500	a Allentown, Pa.
WMBD ak	500	C(1) Peoria, Ill.

NORTH AMERICAN B. C. STATIONS BY FREQUENCIES 137

WSAN	aj	500	—WSAN, Inc., 39 Tenth St.
XEFI	ae	250	—Feliciano Lopez Isles, Aprdo, 157
1450 kcys. (206.8)			
CFCT	ae	75	—Victoria Brcdstg. Assn., 620 View St.
CHGS	ae	50	—R. T. Holman, Ltd., 190 Water St.
KIEM	ak	500	—Eureka, Calif.
KTBS	ak	1000	—Redwood Brcdstg. Co., Vance Hotel
WGAR	ak	500	—Tri-State Brcdstg. System, Box 17
WHOM	ae	250	—W.G.A.R. Brcdstg. Co., Hotel Statler
WSAR	ae	1000	—N. J. Brcdstg. Corp., 2870 Hudson Blvd.
WTFI	ak	500	—Academy of Music Bldg.
			—Liberty Brcdstg. Co., 133 E. Washington
1460 kcys. (205.4)			
CMCU	z	150	—San Francisco 13, Vibora.
CMKP	z	50	—M. J. de Gongora, Libertad esq. Arias
KSTP	ak	25000	—Natl. Battery Brcdstg. Co., St. Paul Hotel
WJSV	ak	10000	—Old Dominion Brcdstg. Co., Earle Bldg.
1470 kcys. (204.0)			
CMOK	z	150	—Rafael Valdez, Estrella 121
KGA	ak	5000	—Louis Wasmer, 1023 W. Riverside Ave.
WLAC	ak	5000	—WLAC, Inc., 2421 West End Ave.
1480 kcys. (202.6)			
KOMA	ak	5000	—Natl. Radio Mfg. Co., Baltimore Hotel
WKBW	ck	5000	—Buffalo Brcdstg. Corp., Rand Bldg.
1490 kcys. (201.2)			
KFBK	ak	5000	—Sacramento Bee, 7th and J Sts.
WCKY	ae	5000	—L. B. Wilson, Inc., 6th and Madison
1500 kcys. (199.9)			
GJIC	ak	100	—Hyland & Whitby, 678 Queen St., E.
CMBX	z	150	—Calle Maceo 7, Guanabacoa, Habana
KDB	ak	100	—Muskoqee Press
KGFI	ak	100	—Sta. Barbara Brcdsters., Ltd., 15-17 E. Haley
KGFK	ak	100	—Eagle Brcdstg. Co., Box 1508
KGKB	ak	100	—Red River Brcdstg. Co., Comstock Hotel
KGKY	ak	100	—East Texas Brcdstg. Co., 115 S. College
KNEL	z	100	—Hilliard Co., 1517 1/2 Broadway
KNOW	ak	100	—C. L. Burns
KOTN	ak	100	—KUT Brcdstg. Co., Norwood Bldg.
KPLC	ak	100	—Universal Brcdstg. Corp., Hotel Pines
KRNR	ak	100	—Galcaisau Brcdstg. Co., Majestic Hotel
KRNP	ak	100	—Westcoast Brcdstg. Co., KPO Bldg., 20—2nd St.
KTEP	z	100	—Oregon Publishing Co.
KVOE	ak	100	—Dorrance D. Roderick
KXO	ak	100	—The Voice of the Orange Empire, Ltd.
WCNW	ak	100	—F. M. Bowles, Box 140
WGNW	ak	100	—Durham Radio Corp., Wash'ton Duke Hotel
WGAL	ae	100	—WGAL, Inc., 8 W. King St.
WHBF	ae	100	—YMCA Building
WJKB	ae	100	—Attala Brcdstg. Corp., Box 631
WKBW	ak	100	—Jas. F. Hopkins, Inc., 6559 Hamilton Ave.
WKBZ	ak	100	—Sanders Bros., Hotel Julian
WKBU	ak	100	—Knox Radio Corp., Box 308
WKEL	ak	100	—Karl L. Ashbacher, Occidental Hotel
WMBQ	ae	100	—Station WKEU, 906 Hill St.
WMBF	ae	100	—Metropolitan Brcdstg. Corp., 95 Leonard
WOPJ	ae	100	—The Northern Corp., Hotel Manager
WRDQ	ak	100	—Hawthorne Station WOPJ, 22nd and State
WRGA	ak	100	—Augusta Brcdstg. Corp., 309 Eighth St.
WTVB	ak	100	—Rome Brcdstg. Corp., 10 Third Ave.
WTMV	ak	100	—Phillip Weiss Music Co., Box 328
WVRL	ak	100	—Mississippi Valley Brcdstg. Co.
WWSW	ae	100	—Long Island Brcdstg. Corp., 41-30—58th St.
			—Walker & Downing Corp., Hotel Keystone

NORTH AMERICAN B. C. STATIONS BY FREQUENCIES

1510 kcys. (198.6)			
CFRC	ak	100	—Queen's University, Fleming Hall
CKCR	ak	100	—Mitchell & Liddle, 24 King St., So.
1530 kcys. (196.0)			
WXBS	z	1000	—American Republican, Inc., 136 Grand St.
WPXY	ak	1000	—106 W. 14th St.
1550 kcys. (193.4)			
WXRR	z	1000	—Scientific Brcdstg. Serv., 41 Park Row, N. Y.
W6XAI	ak	1000	—Pioneer Mercantile Co.
KEY TO SYMBOLS			
Frequency is given in kilocycles; wavelengths in meters. Night power is shown in watts in third column. Daytime power is shown in parentheses in fourth column in kilowatts, thus (25) indicating 250 watts. Some stations outside the United States use a "split frequency." Their exact frequency is shown in fourth column.			
Second Column Symbols	k	Has no stamps.	networks.
a	Verifies reception for return postage.	m	Verifies for 5c.
b	Verifies only occasionally.	n	Weather or time only.
c	Does not verify.	z	No information available.
d	Verification 10c; letter 25c.	Fourth Column Symbols	
e	Sends Ekko stamp for 10c.	B	National "Blue" network.
f	Sends Ekko stamp for 5c.	C	Columbia network.
g	Sends Ekko stamp for postage.	D	Day time only.
h	Sends own station stamp for 10c.	Dn	Day time with occasional evening hours.
i	Sends own station stamp for 5c.	F	Canadian Radio Brcdstg. Commission.
j	Sends own station stamp for postage.	N	National "Red" and "Blue" networks.
		P	Has construction permit only.
		R	National "Red" network.
		S	Sunday only.
		Sy	Synchronized.
		X	Has permit to increase power.
		Y	Has permit to change location.
		Z	Has permit to change frequency.
		a-b-c.	Small letters show stations using same transmitter.
		1-2-3.	Figures denote stations sharing time.
		.....	No information.
NORTH AMERICAN B. C. STATIONS BY LOCATIONS			
Frequency in kilocycles in second column. Night power in watts in third column. Net work affiliations in fourth column: C Columbia, K National Red, B National Blue, N National Red and Blue, F Canadian.			
ALABAMA	ALABAMA	ALABAMA	ALABAMA
Birmingham	5000 N	Jerome	1200
WAFB	1140	KCRJ	1310
WBK	950	Lowell	1000
WWSN	1310	KSON	1200
Decatur	1370	Phenix	1390
WMO	1370	KOAR	620
Dothan	1370	KIAR	620
WAGF	1370	Lyon	1370
Gadsden	1260	KVAR	1260
WJBY	1210	KUMA	1420
Mobile	1380	Blountville	1410
WALA	1380	KON	1290
Montgomery	1410	ELD	1370
WSFA	1410	KELD	1370
Selma	1500	Fort Smith	1210
WHBF	1500	KFPW	1210
WMSD	1420	Hot Springs	1060
ALASKA	ALASKA	ALASKA	ALASKA
Anchorage	780	KTHS	1060
KFOD	780	Jonesboro	300
Juneau	1310	KBTM	1200
KINY	1310	Little Rock	890
Ketchikan	900	KARK	890
KGBU	900	KFBK	1490
		KFXM	1210
		KFSD	600
		KFSD	600

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NORTH AMERICAN B. C. STATIONS BY LOCATIONS

KGB 1330 1000 C San Francisco KFRG 610 100 C KGGC 1420 100 C KGO 790 7500 B KJBS 1070 500 KPO 680 50000 R KSF 560 1000 KYA 1230 1000 N San Jose KOW 1010 1000 KOE 1500 100 KOE 1500 100 KDB 1500 100 C KGD 1100 1000 KKG 1200 100 C	Daytona Beach WMEF 1420 100 Gainesville WRUF 830 5000 Jacksonville WJAX 900 1000 N WMBR 1370 100 C Lakeland WLA 1310 100 Miami WIOD 1300 1000 N WQAM 560 1000 C Orlando WDBO 580 1000 C Pensacola WCOA 1340 500 C St. Petersburg WSUN 620 1000 N Tallahassee WTAL 1310 100 Tampa WDAL 1220 1000 C West Palm Beach WJNO 1200 100	Carthage WCAZ 1070 100 Chicago WAAF 920 1000 WBBM 770 50000 C WCFM 970 5000 B WDFW 1210 100 WEDC 1210 100 WENR 870 50000 N WGES 1360 500 WGN 720 50000 WJJD 1130 20000 WLS 870 50000 N WMAQ 670 50000 N WMBI 1080 5000 WBSB 1210 100 Cicero WEHS 1420 100 WHFC 1420 100 WKB 1420 100 Decatur WJBL 1200 100 East Dubuque WKB 1500 100 East St. Louis WTMV 1500 100 Harrisburg WEBQ 1210 100 Joliet WCLS 1310 100 Peoria WMBD 1440 500 C Quincy WTAD 900 500 Rockford WROK 1410 500 Rock Island WHBF 1210 100 Springfield WGBS 1420 100 WTAJ 1210 100 Tuscola WDX 1020 250 Urbana WILL 890 250 Waukegan WCB 1080 5000	West Lafayette WBAA 890 1000 IOWA Ames WOL 640 5000 Boone WFBW 1200 100 WMB 1320 500 N Shreveport KRMD 1310 100 KRBS 1450 1000 N KWKH 1100 1000 C MAINE Augusta WRDO 1370 100 Bangor WABI 1200 100 WLBZ 620 500 C Portland WGSN 940 1000 R Presque Isle WAGM 1420 100 MARYLAND Baltimore WBAL 760 2500 B WBAO 1060 10000 B WGBM 1370 100 WFB 1270 500 R Cumberland WTBO 800 250 Frederick WFMD 900 500 Hagerstown WJST 1210 100 MASSACHUSETTS Boston WAAZ 1410 500 C WBB 990 50000 B WCO 1120 500 WEEI 590 4000 R WHDH 830 1000 WMEX 1500 100 WNA 1230 1000 C Fall River WSAR 1450 1000 Lowell WLJH 1370 100 Needham WORL 920 500 New Bedford WNB 1310 100 Springfield WBA 990 1000 B WMA 1420 100 C WSPR 1140 500 Worcester WORC 1280 500 C WTAG 580 500 R MICHIGAN Battle Creek WELL 1420 100 Bay City WBC 1410 500 Calumet WHDF 1370 100 Detroit WJBK 1500 100 WJR 750 50000 C	West Lafayette WBAA 890 1000 IOWA Ames WOL 640 5000 Boone WFBW 1200 100 WMB 1320 500 N Shreveport KRMD 1310 100 KRBS 1450 1000 N KWKH 1100 1000 C MAINE Augusta WRDO 1370 100 Bangor WABI 1200 100 WLBZ 620 500 C Portland WGSN 940 1000 R Presque Isle WAGM 1420 100 MARYLAND Baltimore WBAL 760 2500 B WBAO 1060 10000 B WGBM 1370 100 WFB 1270 500 R Cumberland WTBO 800 250 Frederick WFMD 900 500 Hagerstown WJST 1210 100 MASSACHUSETTS Boston WAAZ 1410 500 C WBB 990 50000 B WCO 1120 500 WEEI 590 4000 R WHDH 830 1000 WMEX 1500 100 WNA 1230 1000 C Fall River WSAR 1450 1000 Lowell WLJH 1370 100 Needham WORL 920 500 New Bedford WNB 1310 100 Springfield WBA 990 1000 B WMA 1420 100 C WSPR 1140 500 Worcester WORC 1280 500 C WTAG 580 500 R MICHIGAN Battle Creek WELL 1420 100 Bay City WBC 1410 500 Calumet WHDF 1370 100 Detroit WJBK 1500 100 WJR 750 50000 C	Carthage WCAZ 1070 100 Chicago WAAF 920 1000 WBBM 770 50000 C WCFM 970 5000 B WDFW 1210 100 WEDC 1210 100 WENR 870 50000 N WGES 1360 500 WGN 720 50000 WJJD 1130 20000 WLS 870 50000 N WMAQ 670 50000 N WMBI 1080 5000 WBSB 1210 100 Cicero WEHS 1420 100 WHFC 1420 100 WKB 1420 100 Decatur WJBL 1200 100 East Dubuque WKB 1500 100 East St. Louis WTMV 1500 100 Harrisburg WEBQ 1210 100 Joliet WCLS 1310 100 Peoria WMBD 1440 500 C Quincy WTAD 900 500 Rockford WROK 1410 500 Rock Island WHBF 1210 100 Springfield WGBS 1420 100 WTAJ 1210 100 Tuscola WDX 1020 250 Urbana WILL 890 250 Waukegan WCB 1080 5000	INDIANA Anderson WHBU 1210 100 Elkhart WTRC 1310 100 Evansville WEOA 1370 100 WGBF 630 500 Fort Wayne WGL 1370 100 C WOWO 1160 10000 C Gary WIND 560 1000 Hammond WAAE 1200 100 Indianapolis WFBM 1230 1000 C WIRE 1400 500 R Muncie WLBC 1310 100 New Albany WV 1370 250 Richmond WKBY 1500 100 South Bend WFAM 1200 100 WV 1360 500 C Terra Haute WBOW 1310 100	Daytona Beach WMEF 1420 100 Gainesville WRUF 830 5000 Jacksonville WJAX 900 1000 N WMBR 1370 100 C Lakeland WLA 1310 100 Miami WIOD 1300 1000 N WQAM 560 1000 C Orlando WDBO 580 1000 C Pensacola WCOA 1340 500 C St. Petersburg WSUN 620 1000 N Tallahassee WTAL 1310 100 Tampa WDAL 1220 1000 C West Palm Beach WJNO 1200 100 GEORGIA Albany WGPC 1420 100 Athens WTFI 1450 500 Atlanta WATL 1370 100 Augusta WGST 890 500 C Columbus WRBL 1200 100 Griffin WKEU 1500 100 Macon WMAZ 1180 1000 Rome WRGA 1500 100 Savannah WTOC 1260 1000 C Thomasville WPAX 1210 250 HAWAII Hilo KHBC 1420 100 Honolulu KGMB 1320 1000 C KGU 750 2500 N IDAHO Boise KIDO 1350 1000 Idaho Falls KID 1320 500 Lewiston KRLC 1420 100 Nampa KFXD 1200 100 Pocatello KSEI 900 250 Twin Falls KTFI 1240 1000 ILLINOIS Bloomington WJBC 1200 100	Carthage WCAZ 1070 100 Chicago WAAF 920 1000 WBBM 770 50000 C WCFM 970 5000 B WDFW 1210 100 WEDC 1210 100 WENR 870 50000 N WGES 1360 500 WGN 720 50000 WJJD 1130 20000 WLS 870 50000 N WMAQ 670 50000 N WMBI 1080 5000 WBSB 1210 100 Cicero WEHS 1420 100 WHFC 1420 100 WKB 1420 100 Decatur WJBL 1200 100 East Dubuque WKB 1500 100 East St. Louis WTMV 1500 100 Harrisburg WEBQ 1210 100 Joliet WCLS 1310 100 Peoria WMBD 1440 500 C Quincy WTAD 900 500 Rockford WROK 1410 500 Rock Island WHBF 1210 100 Springfield WGBS 1420 100 WTAJ 1210 100 Tuscola WDX 1020 250 Urbana WILL 890 250 Waukegan WCB 1080 5000	INDIANA Anderson WHBU 1210 100 Elkhart WTRC 1310 100 Evansville WEOA 1370 100 WGBF 630 500 Fort Wayne WGL 1370 100 C WOWO 1160 10000 C Gary WIND 560 1000 Hammond WAAE 1200 100 Indianapolis WFBM 1230 1000 C WIRE 1400 500 R Muncie WLBC 1310 100 New Albany WV 1370 250 Richmond WKBY 1500 100 South Bend WFAM 1200 100 WV 1360 500 C Terra Haute WBOW 1310 100	Daytona Beach WMEF 1420 100 Gainesville WRUF 830 5000 Jacksonville WJAX 900 1000 N WMBR 1370 100 C Lakeland WLA 1310 100 Miami WIOD 1300 1000 N WQAM 560 1000 C Orlando WDBO 580 1000 C Pensacola WCOA 1340 500 C St. Petersburg WSUN 620 1000 N Tallahassee WTAL 1310 100 Tampa WDAL 1220 1000 C West Palm Beach WJNO 1200 100 GEORGIA Albany WGPC 1420 100 Athens WTFI 1450 500 Atlanta WATL 1370 100 Augusta WGST 890 500 C Columbus WRBL 1200 100 Griffin WKEU 1500 100 Macon WMAZ 1180 1000 Rome WRGA 1500 100 Savannah WTOC 1260 1000 C Thomasville WPAX 1210 250 HAWAII Hilo KHBC 1420 100 Honolulu KGMB 1320 1000 C KGU 750 2500 N IDAHO Boise KIDO 1350 1000 Idaho Falls KID 1320 500 Lewiston KRLC 1420 100 Nampa KFXD 1200 100 Pocatello KSEI 900 250 Twin Falls KTFI 1240 1000 ILLINOIS Bloomington WJBC 1200 100	Carthage WCAZ 1070 100 Chicago WAAF 920 1000 WBBM 770 50000 C WCFM 970 5000 B WDFW 1210 100 WEDC 1210 100 WENR 870 50000 N WGES 1360 500 WGN 720 50000 WJJD 1130 20000 WLS 870 50000 N WMAQ 670 50000 N WMBI 1080 5000 WBSB 1210 100 Cicero WEHS 1420 100 WHFC 1420 100 WKB 1420 100 Decatur WJBL 1200 100 East Dubuque WKB 1500 100 East St. Louis WTMV 1500 100 Harrisburg WEBQ 1210 100 Joliet WCLS 1310 100 Peoria WMBD 1440 500 C Quincy WTAD 900 500 Rockford WROK 1410 500 Rock Island WHBF 1210 100 Springfield WGBS 1420 100 WTAJ 1210 100 Tuscola WDX 1020 250 Urbana WILL 890 250 Waukegan WCB 1080 5000	INDIANA Anderson WHBU 1210 100 Elkhart WTRC 1310 100 Evansville WEOA 1370 100 WGBF 630 500 Fort Wayne WGL 1370 100 C WOWO 1160 10000 C Gary WIND 560 1000 Hammond WAAE 1200 100 Indianapolis WFBM 1230 1000 C WIRE 1400 500 R Muncie WLBC 1310 100 New Albany WV 1370 250 Richmond WKBY 1500 100 South Bend WFAM 1200 100 WV 1360 500 C Terra Haute WBOW 1310 100	Daytona Beach WMEF 1420 100 Gainesville WRUF 830 5000 Jacksonville WJAX 900 1000 N WMBR 1370 100 C Lakeland WLA 1310 100 Miami WIOD 1300 1000 N WQAM 560 1000 C Orlando WDBO 580 1000 C Pensacola WCOA 1340 500 C St. Petersburg WSUN 620 1000 N Tallahassee WTAL 1310 100 Tampa WDAL 1220 1000 C West Palm Beach WJNO 1200 100 GEORGIA Albany WGPC 1420 100 Athens WTFI 1450 500 Atlanta WATL 1370 100 Augusta WGST 890 500 C Columbus WRBL 1200 100 Griffin WKEU 1500 100 Macon WMAZ 1180 1000 Rome WRGA 1500 100 Savannah WTOC 1260 1000 C Thomasville WPAX 1210 250 HAWAII Hilo KHBC 1420 100 Honolulu KGMB 1320 1000 C KGU 750 2500 N IDAHO Boise KIDO 1350 1000 Idaho Falls KID 1320 500 Lewiston KRLC 1420 100 Nampa KFXD 1200 100 Pocatello KSEI 900 250 Twin Falls KTFI 1240 1000 ILLINOIS Bloomington WJBC 1200 100	Carthage WCAZ 1070 100 Chicago WAAF 920 1000 WBBM 770 50000 C WCFM 970 5000 B WDFW 1210 100 WEDC 1210 100 WENR 870 50000 N WGES 1360 500 WGN 720 50000 WJJD 1130 20000 WLS 870 50000 N WMAQ 670 50000 N WMBI 1080 5000 WBSB 1210 100 Cicero WEHS 1420 100 WHFC 1420 100 WKB 1420 100 Decatur WJBL 1200 100 East Dubuque WKB 1500 100 East St. Louis WTMV 1500 100 Harrisburg WEBQ 1210 100 Joliet WCLS 1310 100 Peoria WMBD 1440 500 C Quincy WTAD 900 500 Rockford WROK 1410 500 Rock Island WHBF 1210 100 Springfield WGBS 1420 100 WTAJ 1210 100 Tuscola WDX 1020 250 Urbana WILL 890 250 Waukegan WCB 1080 5000	INDIANA Anderson WHBU 1210 100 Elkhart WTRC 1310 100 Evansville WEOA 1370 100 WGBF 630 500 Fort Wayne WGL 1370 100 C WOWO 1160 10000 C Gary WIND 560 1000 Hammond WAAE 1200 100 Indianapolis WFBM 1230 1000 C WIRE 1400 500 R Muncie WLBC 1310 100 New Albany WV 1370 250 Richmond WKBY 1500 100 South Bend WFAM 1200 100 WV 1360 500 C Terra Haute WBOW 1310 100	Daytona Beach WMEF 1420 100 Gainesville WRUF 830 5000 Jacksonville WJAX 900 1000 N WMBR 1370 100 C Lakeland WLA 1310 100 Miami WIOD 1300 1000 N WQAM 560 1000 C Orlando WDBO 580 1000 C Pensacola WCOA 1340 500 C St. Petersburg WSUN 620 1000 N Tallahassee WTAL 1310 100 Tampa WDAL 1220 1000 C West Palm Beach WJNO 1200 100 GEORGIA Albany WGPC 1420 100 Athens WTFI 1450 500 Atlanta WATL 1370 100 Augusta WGST 890 500 C Columbus WRBL 1200 100 Griffin WKEU 1500 100 Macon WMAZ 1180 1000 Rome WRGA 1500 100 Savannah WTOC 1260 1000 C Thomasville WPAX 1210 250 HAWAII Hilo KHBC 1420 100 Honolulu KGMB 1320 1000 C KGU 750 2500 N IDAHO Boise KIDO 1350 1000 Idaho Falls KID 1320 500 Lewiston KRLC 1420 100 Nampa KFXD 1200 100 Pocatello KSEI 900 250 Twin Falls KTFI 1240 1000 ILLINOIS Bloomington WJBC 1200 100	Carthage WCAZ 1070 100 Chicago WAAF 920 1000 WBBM 770 50000 C WCFM 970 5000 B WDFW 1210 100 WEDC 1210 100 WENR 870 50000 N WGES 1360 500 WGN 720 50000 WJJD 1130 20000 WLS 870 50000 N WMAQ 670 50000 N WMBI 1080 5000 WBSB 1210 100 Cicero WEHS 1420 100 WHFC 1420 100 WKB 1420 100 Decatur WJBL 1200 100 East Dubuque WKB 1500 100 East St. Louis WTMV 1500 100 Harrisburg WEBQ 1210 100 Joliet WCLS 1310 100 Peoria WMBD 1440 500 C Quincy WTAD 900 500 Rockford WROK 1410 500 Rock Island WHBF 1210 100 Springfield WGBS 1420 100 WTAJ 1210 100 Tuscola WDX 1020 250 Urbana WILL 890 250 Waukegan WCB 1080 5000	INDIANA Anderson WHBU 1210 100 Elkhart WTRC 1310 100 Evansville WEOA 1370 100 WGBF 630 500 Fort Wayne WGL 1370 100 C WOWO 1160 10000 C Gary WIND 560 1000 Hammond WAAE 1200 100 Indianapolis WFBM 1230 1000 C WIRE 1400 500 R Muncie WLBC 1310 100 New Albany WV 1370 250 Richmond WKBY 1500 100 South Bend WFAM 1200 100 WV 1360 500 C Terra Haute WBOW 1310 100	Daytona Beach WMEF 1420 100 Gainesville WRUF 830 5000 Jacksonville WJAX 900 1000 N WMBR 1370 100 C Lakeland WLA 1310 100 Miami WIOD 1300 1000 N WQAM 560 1000 C Orlando WDBO 580 1000 C Pensacola WCOA 1340 500 C St. Petersburg WSUN 620 1000 N Tallahassee WTAL 1310 100 Tampa WDAL 1220 1000 C West Palm Beach WJNO 1200 100 GEORGIA Albany WGPC 1420 100 Athens WTFI 1450 500 Atlanta WATL 1370 100 Augusta WGST 890 500 C Columbus WRBL 1200 100 Griffin WKEU 1500 100 Macon WMAZ 1180 1000 Rome WRGA 1500 100 Savannah WTOC 1260 1000 C Thomasville WPAX 1210 250 HAWAII Hilo KHBC 1420 100 Honolulu KGMB 1320 1000 C KGU 750 2500 N IDAHO Boise KIDO 1350 1000 Idaho Falls KID 1320 500 Lewiston KRLC 1420 100 Nampa KFXD 1200 100 Pocatello KSEI 900 250 Twin Falls KTFI 1240 1000 ILLINOIS Bloomington WJBC 1200 100	Carthage WCAZ 1070 100 Chicago WAAF 920 1000 WBBM 770 50000 C WCFM 970 5000 B WDFW 1210 100 WEDC 1210 100 WENR 870 50000 N WGES 1360 500 WGN 720 50000 WJJD 1130 20000 WLS 870 50000 N WMAQ 670 50000 N WMBI 1080 5000 WBSB 1210 100 Cicero WEHS 1420 100 WHFC 1420 100 WKB 1420 100 Decatur WJBL 1200 100 East Dubuque WKB 1500 100 East St. Louis WTMV 1500 100 Harrisburg WEBQ 1210 100 Joliet WCLS 1310 100 Peoria WMBD 1440 500 C Quincy WTAD 900 500 Rockford WROK 1410 500 Rock Island WHBF 1210 100 Springfield WGBS 1420 100 WTAJ 1210 100 Tuscola WDX 1020 250 Urbana WILL 890 250 Waukegan WCB 1080 5000	INDIANA Anderson WHBU 1210 100 Elkhart WTRC 1310 100 Evansville WEOA 1370 100 WGBF 630 500 Fort Wayne WGL 1370 100 C WOWO 1160 10000 C Gary WIND 560 1000 Hammond WAAE 1200 100 Indianapolis WFBM 1230 1000 C WIRE 1400 500 R Muncie WLBC 1310 100 New Albany WV 1370 250 Richmond WKBY 1500 100 South Bend WFAM 1200 100 WV 1360 500 C Terra Haute WBOW 1310 100	Daytona Beach WMEF 1420 100 Gainesville WRUF 830 5000 Jacksonville WJAX 900 1000 N WMBR 1370 100 C Lakeland WLA 1310 100 Miami WIOD 1300 1000 N WQAM 560 1000 C Orlando WDBO 580 1000 C Pensacola WCOA 1340 500 C St. Petersburg WSUN 620 1000 N Tallahassee WTAL 1310 100 Tampa WDAL 1220 1000 C West Palm Beach WJNO 1200 100 GEORGIA Albany WGPC 1420 100 Athens WTFI 1450 500 Atlanta WATL 1370 100 Augusta WGST 890 500 C Columbus WRBL 1200 100 Griffin WKEU 1500 100 Macon WMAZ 1180 1000 Rome WRGA 1500 100 Savannah WTOC 1260 1000 C Thomasville WPAX 1210 250 HAWAII Hilo KHBC 1420 100 Honolulu KGMB 1320 1000 C KGU 750 2500 N IDAHO Boise KIDO 1350 1000 Idaho Falls KID 1320 500 Lewiston KRLC 1420 100 Nampa KFXD 1200 100 Pocatello KSEI 900 250 Twin Falls KTFI 1240 1000 ILLINOIS Bloomington WJBC 1200 100	Carthage WCAZ 1070 100 Chicago WAAF 920 1000 WBBM 770 50000 C WCFM 970 5000 B WDFW 1210 100 WEDC 1210 100 WENR 870 50000 N WGES 1360 500 WGN 720 50000 WJJD 1130 20000 WLS 870 50000 N WMAQ 670 50000 N WMBI 1080 5000 WBSB 1210 100 Cicero WEHS 1420 100 WHFC 1420 100 WKB 1420 100 Decatur WJBL 1200 100 East Dubuque WKB 1500 100 East St. Louis WTMV 1500 100 Harrisburg WEBQ 1210 100 Joliet WCLS 1310 100 Peoria WMBD 1440 500 C Quincy WTAD 900 500 Rockford WROK 1410 500 Rock Island WHBF 1210 100 Springfield WGBS 1420 100 WTAJ 1210 100 Tuscola WDX 1020 250 Urbana WILL 890 250 Waukegan WCB 1080 5000	INDIANA Anderson WHBU 1210 100 Elkhart WTRC 1310 100 Evansville WEOA 1370 100 WGBF 630 500 Fort Wayne WGL 1370 100 C WOWO 1160 10000 C Gary WIND 560 1000 Hammond WAAE 1200 100 Indianapolis WFBM 1230 1000 C WIRE 1400 500 R Muncie WLBC 1310 100 New Albany WV 1370 250 Richmond WKBY 1500 100 South Bend WFAM 1200 100 WV 1360 500 C Terra Haute WBOW 1310 100	Daytona Beach WMEF 1420 100 Gainesville WRUF 830 5000 Jacksonville WJAX 900 1000 N WMBR 1370 100 C Lakeland WLA 1310 100 Miami WIOD 1300 1000 N WQAM 560 1000 C Orlando WDBO 580 1000 C Pensacola WCOA 1340 500 C St. Petersburg WSUN 620 1000 N Tallahassee WTAL 1310 100 Tampa WDAL 1220 1000 C West Palm Beach WJNO 1200 100 GEORGIA Albany WGPC 1420 100 Athens WTFI 1450 500 Atlanta WATL 1370 100 Augusta WGST 890 500 C Columbus WRBL 1200 100 Griffin WKEU 1500 100 Macon WMAZ 1180 1000 Rome WRGA 1500 100 Savannah WTOC 1260 1000 C
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NORTH AMERICAN B. C. STATIONS BY LOCATIONS

<p>ROCHESTER WHAM 1150 50000 B WHEC 1430 500 C WWSY 1210 100 WHDL 1260 1000 R WMBK 1380 200 C WPTV 1370 100 WPAJ 1310 100 WSPD 1340 1000 C WYSR 570 250 B WYZZ 1300 500 WUAB 1209 100 C White Plains WFAS 1210 100 WVRL 1500 100</p> <p>NORTH CAROLINA Ashville WVNC 570 1000 N Charlotte WBT 1080 50000 C WSOC 1210 100 N Durham WDNC 1500 100 C Gastonia WJBR 1420 100 Greensboro WKOM 1440 500 C High Point WHPN 1200 100 Raleigh WPTV 680 5000 N Rocky Mount WEED 1420 100 Wilmington WFMY 1370 100 Winston-Salem WSJS 1310 100 C</p>	<p>SOUTH DAKOTA Aberdeen KABR 1420 100 Brookings KFYD 780 1000 Huron KGDY 1340 250 Pierre KGFJ 630 200 Rapid City WCAT 1200 100 Sioux Falls KSSO 1110 2500 Vermillion KUSD 890 500 Watertown KWTV 1210 100 Yankton WNAX 570 1000 C</p> <p>TENNESSEE Bristol WOPF 1500 100 Chattanooga WDDO 1280 1000 C Jackson WTVS 1310 100 Knoxville WNOX 1010 1000 C WROL 1310 100 Memphis WHBQ 1370 100 WMC 780 1000 N WNRB 1430 500 WREX 600 1000 C Nashville WLAN 1470 5000 C WSM 650 5000 N Springfield WSIX 1210 100</p> <p>TEXAS Amarillo KGNC 1410 1000 Austin KNOV 1500 100 Beaumont KFDM 560 500 Brady KTEL 1500 100 College Station WTAW 1120 500 Corpus Christi KCFI 1500 100 Dallas KDFW 1040 10000 C WFAA 800 50000 N WRR 1280 500 KPYL 1310 100 KTEP 1420 100 KTTM 1310 100 WDAH 1310 100 Fort Worth KFJZ 1370 100 WAT 1240 1000 WVAP 800 50000 N Charleston KJAN 800 50000 N KLPJ 1370 100 Houston KPRC 920 1000 N KTRH 1290 1000 C KXYZ 1440 1000 Longview KPRO 1370 100</p>	<p>UTAH Ogden KLDN 1400 500 N Price KEUB 1420 100 KDYL 1190 1000 N KSL 1130 50000 C</p> <p>VERMONT Burlington WVBC 1200 100 Rutland WSYR 1500 100 St. Albans WDM 1370 100 Springfield WVBC 1260 100 WDEV 550 500</p> <p>VIRGINIA Arlington NAA 690 1000 Charlottesville WCHV 1420 100 Danville WBTV 1370 100 Harrisonburg WWSA 550 500 Lynchburg WLVA 1200 100 Newport News WGH 1310 100 Norfolk WTAR 780 500 N Petersburg WPHR 880 500 Richmond WBFL 1210 100 WMBG 1210 100 C WRVA 1110 5000 N Roanoke WDBJ 930 1000 C</p> <p>WASHINGTON Aberdeen KXRO 1310 100</p>	<p>WEST VIRGINIA Bluefield WHLI 1410 250 Martinsburg WCHS 580 500 Fairmont WVBN 890 500 C Huntington WSAZ 1190 1000 Martinsburg WPAK 1420 100 Weirton WVVA 1160 5000 C</p> <p>WISCONSIN Fond du Lac KFYZ 1420 100 Green Bay WISN 200 100 WTAQ 1330 1000 Janesville WJTL 1200 100 La Crosse WKBH 1380 1000 Madison WHA 940 2500 WIBA 1280 1000 N Manitowoc WOMT 1210 100 Milwaukee WISN 1310 100 WISN 1120 250 C WTMJ 620 1000 N Poynton WIBU 1210 100 Racine WRJN 1370 100 Sheboygan WHBL 1300 500 Stevens Point WLBL 900 2500 Superior WEBE 1290 1000 N</p>	<p>YOUTH CAROLINA Aberdeen WVBC 1200 100 Everett KRKH 1370 50 Olympia KGY 1210 100 Pulman KPDN 1310 100 Seattle KIRO 710 500 KJR 970 5000 B KOL 1270 1000 C KOMO 920 1000 R KRSR 1120 100 KTV 1220 1000 KTVL 1370 100 KXA 760 250 Spokane KFO 1120 100 KFPY 890 1000 C KGA 1470 5000 B KHO 590 1000 R Tacoma KMO 1330 250 KVI 570 1000 C Walla Walla KQJ 1370 100 Wenatchee KPO 1500 100 Yakima KIT 1310 100</p> <p>BRITISH COLUMBIA Chilliwack CHWK 780 100 F Kamloops KAMC 880 100 F Kelowna KCOV 630 100 F Prince Rupert CFPR 580 50 Trail CJAT 910 1000 F Vancouver CJOR 600 500 CKCD 1010 100 CKFC 1410 50 CKM 1410 100 F CKWX 1010 100 F Victoria CFCF 1450 75</p> <p>MANITOBA Brandon CKX 1120 100 F Winnipeg CJRC 630 500 F CKY 960 15000 F</p> <p>NEW BRUNSWICK Fredericton CFNB 550 500 F Moncton CKCW 1370 100 F St. John CHSJ 1120 500 F</p> <p>N. W. TERRITORY Aklavik CJCU 1210 50</p> <p>NOVA SCOTIA Gloucester VAS 685 2000 Halifax CHNS 930 1000 F Sydney CJCB 1240 1000 F Wolfville CKIC 1010 50</p>	<p>YOUTH DAKOTA Lubbock KFYO 1310 100 Midland KRLL 1420 100 Palestine KNEY 1420 100 Pampa KPDN 1310 100 Pecos KJUN 1420 100 Port Arthur KPC 1260 500 San Angelo KGGK 1370 100 San Antonio KABC 1420 100 KMAC 1370 100 KONO 1370 100 KRTS 550 1000 C WAOI 1190 50000 N Tyler KGB 1500 100 Waco WACO 1420 100 C Westaco KRGV 1260 500 Wichita Falls KGRK 570 250 C</p>	<p>ALBERTA Calgary 930 100 F CFAC 1030 10000 CFCN 690 100 F Edmonton CFRN 1260 100 F CJCA 730 1000 F CKUA 580 500 Lethbridge CJOC 950 100 F</p> <p>CANADA Bellingham KVOS 1200 100 Everett KRKH 1370 50 Olympia KGY 1210 100 Pulman KPDN 1310 100 Seattle KIRO 710 500 KJR 970 5000 B KOL 1270 1000 C KOMO 920 1000 R KRSR 1120 100 KTV 1220 1000 KTVL 1370 100 KXA 760 250 Spokane KFO 1120 100 KFPY 890 1000 C KGA 1470 5000 B KHO 590 1000 R Tacoma KMO 1330 250 KVI 570 1000 C Walla Walla KQJ 1370 100 Wenatchee KPO 1500 100 Yakima KIT 1310 100</p> <p>WEST VIRGINIA Bluefield WHLI 1410 250 Martinsburg WCHS 580 500 Fairmont WVBN 890 500 C Huntington WSAZ 1190 1000 Martinsburg WPAK 1420 100 Weirton WVVA 1160 5000 C</p> <p>WISCONSIN Fond du Lac KFYZ 1420 100 Green Bay WISN 200 100 WTAQ 1330 1000 Janesville WJTL 1200 100 La Crosse WKBH 1380 1000 Madison WHA 940 2500 WIBA 1280 1000 N Manitowoc WOMT 1210 100 Milwaukee WISN 1310 100 WISN 1120 250 C WTMJ 620 1000 N Poynton WIBU 1210 100 Racine WRJN 1370 100 Sheboygan WHBL 1300 500 Stevens Point WLBL 900 2500 Superior WEBE 1290 1000 N</p>	<p>WYOMING Casper KRWL 1440 500 Sheridan KRYO 1370 100</p> <p>YOUTH CAROLINA Aberdeen WVBC 1200 100 Everett KRKH 1370 50 Olympia KGY 1210 100 Pulman KPDN 1310 100 Seattle KIRO 710 500 KJR 970 5000 B KOL 1270 1000 C KOMO 920 1000 R KRSR 1120 100 KTV 1220 1000 KTVL 1370 100 KXA 760 250 Spokane KFO 1120 100 KFPY 890 1000 C KGA 1470 5000 B KHO 590 1000 R Tacoma KMO 1330 250 KVI 570 1000 C Walla Walla KQJ 1370 100 Wenatchee KPO 1500 100 Yakima KIT 1310 100</p> <p>BRITISH COLUMBIA Chilliwack CHWK 780 100 F Kamloops KAMC 880 100 F Kelowna KCOV 630 100 F Prince Rupert CFPR 580 50 Trail CJAT 910 1000 F Vancouver CJOR 600 500 CKCD 1010 100 CKFC 1410 50 CKM 1410 100 F CKWX 1010 100 F Victoria CFCF 1450 75</p> <p>MANITOBA Brandon CKX 1120 100 F Winnipeg CJRC 630 500 F CKY 960 15000 F</p> <p>NEW BRUNSWICK Fredericton CFNB 550 500 F Moncton CKCW 1370 100 F St. John CHSJ 1120 500 F</p> <p>N. W. TERRITORY Aklavik CJCU 1210 50</p> <p>NOVA SCOTIA Gloucester VAS 685 2000 Halifax CHNS 930 1000 F Sydney CJCB 1240 1000 F Wolfville CKIC 1010 50</p>	<p>YOUTH DAKOTA Lubbock KFYO 1310 100 Midland KRLL 1420 100 Palestine KNEY 1420 100 Pampa KPDN 1310 100 Pecos KJUN 1420 100 Port Arthur KPC 1260 500 San Angelo KGGK 1370 100 San Antonio KABC 1420 100 KMAC 1370 100 KONO 1370 100 KRTS 550 1000 C WAOI 1190 50000 N Tyler KGB 1500 100 Waco WACO 1420 100 C Westaco KRGV 1260 500 Wichita Falls KGRK 570 250 C</p>	<p>YOUTH CAROLINA Aberdeen WVBC 1200 100 Everett KRKH 1370 50 Olympia KGY 1210 100 Pulman KPDN 1310 100 Seattle KIRO 710 500 KJR 970 5000 B KOL 1270 1000 C KOMO 920 1000 R KRSR 1120 100 KTV 1220 1000 KTVL 1370 100 KXA 760 250 Spokane KFO 1120 100 KFPY 890 1000 C KGA 1470 5000 B KHO 590 1000 R Tacoma KMO 1330 250 KVI 570 1000 C Walla Walla KQJ 1370 100 Wenatchee KPO 1500 100 Yakima KIT 1310 100</p> <p>BRITISH COLUMBIA Chilliwack CHWK 780 100 F Kamloops KAMC 880 100 F Kelowna KCOV 630 100 F Prince Rupert CFPR 580 50 Trail CJAT 910 1000 F Vancouver CJOR 600 500 CKCD 1010 100 CKFC 1410 50 CKM 1410 100 F CKWX 1010 100 F Victoria CFCF 1450 75</p> <p>MANITOBA Brandon CKX 1120 100 F Winnipeg CJRC 630 500 F CKY 960 15000 F</p> <p>NEW BRUNSWICK Fredericton CFNB 550 500 F Moncton CKCW 1370 100 F St. John CHSJ 1120 500 F</p> <p>N. W. TERRITORY Aklavik CJCU 1210 50</p> <p>NOVA SCOTIA Gloucester VAS 685 2000 Halifax CHNS 930 1000 F Sydney CJCB 1240 1000 F Wolfville CKIC 1010 50</p>	<p>YOUTH CAROLINA Aberdeen WVBC 1200 100 Everett KRKH 1370 50 Olympia KGY 1210 100 Pulman KPDN 1310 100 Seattle KIRO 710 500 KJR 970 5000 B KOL 1270 1000 C KOMO 920 1000 R KRSR 1120 100 KTV 1220 1000 KTVL 1370 100 KXA 760 250 Spokane KFO 1120 100 KFPY 890 1000 C KGA 1470 5000 B KHO 590 1000 R Tacoma KMO 1330 250 KVI 570 1000 C Walla Walla KQJ 1370 100 Wenatchee KPO 1500 100 Yakima KIT 1310 100</p> <p>BRITISH COLUMBIA Chilliwack CHWK 780 100 F Kamloops KAMC 880 100 F Kelowna KCOV 630 100 F Prince Rupert CFPR 580 50 Trail CJAT 910 1000 F Vancouver CJOR 600 500 CKCD 1010 100 CKFC 1410 50 CKM 1410 100 F CKWX 1010 100 F Victoria CFCF 1450 75</p> <p>MANITOBA Brandon CKX 1120 100 F Winnipeg CJRC 630 500 F CKY 960 15000 F</p> <p>NEW BRUNSWICK Fredericton CFNB 550 500 F Moncton CKCW 1370 100 F St. John CHSJ 1120 500 F</p> <p>N. W. TERRITORY Aklavik CJCU 1210 50</p> <p>NOVA SCOTIA Gloucester VAS 685 2000 Halifax CHNS 930 1000 F Sydney CJCB 1240 1000 F Wolfville CKIC 1010 50</p>	<p>YOUTH CAROLINA Aberdeen WVBC 1200 100 Everett KRKH 1370 50 Olympia KGY 1210 100 Pulman KPDN 1310 100 Seattle KIRO 710 500 KJR 970 5000 B KOL 1270 1000 C KOMO 920 1000 R KRSR 1120 100 KTV 1220 1000 KTVL 1370 100 KXA 760 250 Spokane KFO 1120 100 KFPY 890 1000 C KGA 1470 5000 B KHO 590 1000 R Tacoma KMO 1330 250 KVI 570 1000 C Walla Walla KQJ 1370 100 Wenatchee KPO 1500 100 Yakima KIT 1310 100</p> <p>BRITISH COLUMBIA Chilliwack CHWK 780 100 F Kamloops KAMC 880 100 F Kelowna KCOV 630 100 F Prince Rupert CFPR 580 50 Trail CJAT 910 1000 F Vancouver CJOR 600 500 CKCD 1010 100 CKFC 1410 50 CKM 1410 100 F CKWX 1010 100 F Victoria CFCF 1450 75</p> <p>MANITOBA Brandon CKX 1120 100 F Winnipeg CJRC 630 500 F CKY 960 15000 F</p> <p>NEW BRUNSWICK Fredericton CFNB 550 500 F Moncton CKCW 1370 100 F St. John CHSJ 1120 500 F</p> <p>N. W. TERRITORY Aklavik CJCU 1210 50</p> <p>NOVA SCOTIA Gloucester VAS 685 2000 Halifax CHNS 930 1000 F Sydney CJCB 1240 1000 F Wolfville CKIC 1010 50</p>	<p>YOUTH CAROLINA Aberdeen WVBC 1200 100 Everett KRKH 1370 50 Olympia KGY 1210 100 Pulman KPDN 1310 100 Seattle KIRO 710 500 KJR 970 5000 B KOL 1270 1000 C KOMO 920 1000 R KRSR 1120 100 KTV 1220 1000 KTVL 1370 100 KXA 760 250 Spokane KFO 1120 100 KFPY 890 1000 C KGA 1470 5000 B KHO 590 1000 R Tacoma KMO 1330 250 KVI 570 1000 C Walla Walla KQJ 1370 100 Wenatchee KPO 1500 100 Yakima KIT 1310 100</p> <p>BRITISH COLUMBIA Chilliwack CHWK 780 100 F Kamloops KAMC 880 100 F Kelowna KCOV 630 100 F Prince Rupert CFPR 580 50 Trail CJAT 910 1000 F Vancouver CJOR 600 500 CKCD 1010 100 CKFC 1410 50 CKM 1410 100 F CKWX 1010 100 F Victoria CFCF 1450 75</p> <p>MANITOBA Brandon CKX 1120 100 F Winnipeg CJRC 630 500 F CKY 960 15000 F</p> <p>NEW BRUNSWICK Fredericton CFNB 550 500 F Moncton CKCW 1370 100 F St. John CHSJ 1120 500 F</p> <p>N. W. TERRITORY Aklavik CJCU 1210 50</p> <p>NOVA SCOTIA Gloucester VAS 685 2000 Halifax CHNS 930 1000 F Sydney CJCB 1240 1000 F Wolfville CKIC 1010 50</p>
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NORTH AMERICAN B. C. STATIONS BY LOCATIONS

SASKATCHEWAN	XFC	810	350	XEOK	760	250	CMJK	780	250
Moose Jaw				XESL	1160	75	CMJL	1340	100
CHAB	1200	100 F					CMJP	1430	100
CJRM	540	1000 F							
Prince Albert									
CKBI	1210	100 F							
Regina									
CHWC	1010	500 F							
CKCK	1010	500 F							
Saskatoon									
CFQC	840	1000 F							
Yorkton									
CJGX	580	100 F							
NEWFOUNDLAND									
St. John's									
VOAC	1065	40							
VOAS	940	100							
VOGY	840	400							
VONF	1195	500							
YOWR	681	500							
MIQUELON									
St. Pierre									
FON	609	250							
CENTRAL AMERICA									
COSTA RICA									
Cartago									
TIFS	1441	7.5							
TIGA	1014	30							
San Jose									
TJEP	850	500							
TJFA	1050	75							
TJHZ	1000	500							
TJRH	930	50							
GUATEMALA									
Guatemala City									
TGW	1210	50							
TGX	1400	250							
HONDURAS									
Teguigalpa									
HRN	1340	100							
NICARAGUA									
Managua									
YNLF	1275	20							
YNOP	1230	100							
YNVA	950	30							
PANAMA									
Colon									
HP50	1440	25							
EL SALVADOR									
San Salvador									
RDN	680	500							
MEXICO									
AGUASCALIENTES									
Agua Calientes									
XFA	1310	5							
CHIHUAHUA									
Chihuahua									
XEFI	1440	250							
Hidalgo									
XEAT	1210	50							
Juaraz									
XEF	980	100							
XEFJ	1020	1000							
COAHUILA									
Piedras Negras									
XELO	1110	10000							
XEPN	590	50000							
Saltire									
XEAS	1160	100							
VOAG	640	500							
Torreón									
XETB	1310	125							
Villa Acuna									
XERA	840	250000							
D. F.									
Mexico City									
XEAI	1240	100							
XEBH	1030	10000							
XECW	1310	10							
XEFA	1180	500							
XEFO	940	5000							
XEFZ	1370	100							
XEK	990	100							
XEL	1100	250							
XEMX	1280	12							
XEN	710	1000							
XEW	890	50000							
XEWZ	1150	100							
XEY	850	250							
XEYZ	780	10000							
XFX	610	1000							
DURANGO									
Tampico									
XEFW	1310	250							
XES	990	250							
VERACRUZ									
Cordoba									
XEAG	1310	10							
Jalapa									
XFB	1270	250							
XFD	1340	350							
Veracruz									
XETF	1220	12							
XEU	1010	250							
YUCATAN									
Merida									
XEFC	560	100							
XEY	1000	10							
XEZ	630	500							
WEST INDIES									
CUBA									
Calbarien									
CMHD	1270	250							
Camaguey									
CMJA	1010	50							
CMJC	1390	150							
CMJE	1220	50							
CMJF	1150	200							
DOMINICAN REPUBLIC									
San Pedro de Macoris									
HIH	1395	15							
Trujillo									
HU	1195	15							
HIX	800	700							
HIZ	1370	10							
HAITI									
Port-au-Prince									
HHK	920	1000							

NORTH AMERICAN B. C. STATIONS BY CALLS

CFAC	330	100	CJLS	1310	100	CMBS	770
Calgary, Alta.			Yarmouth, N. S.			Havana, Cuba	
CFJC	600	400	CJOC	950	100	CMBX	1060
Montreal, Que.			CFCH	600	500	CMBY	970
North Bay, Ont.			CJOR	600	500	CMZ	1000
Calgary, Alta.			CJRC	630	500	CMCA	1350
CFCO	630	100	CJRM	640	1000	CMCB	1230
Chatham, Ont.			CFCT	1450	5000	CMCD	950
Victoria, B. C.			CFY	630	100	CMCE	950
Charlottetown, P.E.I.			CFJ	1210	100	CMCF	810
Kamloops, B. C.			CFJC	1010	100	CMCG	688
CFLC	930	100	CFCH	1210	100	CMCI	1110
Prescott, Ont.			CFCK	1010	500	CMCL	1200
CFNB	550	500	CFCH	1010	100	CMCO	1420
Fredericton, N. B.			CFCK	1010	100	CMCR	1380
CFPL	730	100	CFCK	1010	100	CMCU	1460
London, Ont.			CFCK	1010	100	CMCW	750
CFPR	580	50	CFCK	1010	100	CMCX	1500
Prince Rupert, B. C.			CFCK	1010	100	CMCY	1030
CFQC	840	1000	CFCK	1010	100	CMCG	1400
Saskatoon, Sask.			CFCK	1010	50	CMGE	1370
CFRB	690	10000	CFCK	1010	50	CMGF	1120
Toronto, Ont.			CFCK	1010	100	CMGH	790
CFRC	1510	100	CFCK	1010	100	CMHI	1210
Kingston, Ont.			CFCK	1010	50	CMHJ	1160
CFRN	1250	100	CFCK	1010	50	CMHK	1330
Edmonton, Alta.			CFCK	1010	100	CMHL	1410
CFRB	690	10000	CFCK	1010	100	CMHM	1410
CFRG	750	150	CFCK	1010	100	CMHN	1410
CFRQ	810	600	CFCK	1010	100	CMHO	1410
CFRS	680	150	CFCK	1010	100	CMHP	1410
CFRT	1110	500	CFCK	1010	100	CMHQ	1410
CFRU	1200	250	CFCK	1010	100	CMHR	1410
CFRV	1380	150	CFCK	1010	100	CMHS	1410
CFRW	1460	150	CFCK	1010	100	CMHT	1410
CFRX	1510	150	CFCK	1010	100	CMHU	1410
CFRY	1510	150	CFCK	1010	100	CMHV	1410
CFRZ	1510	150	CFCK	1010	100	CMHW	820
CFSA	1030	1000	CFCK	1010	100	CMHX	760
CFSC	730	3000	CFCK	1010	100	CMJA	1010
CFSD	440	150	CFCK	1010	100	CMJB	1010
CFSE	440	150	CFCK	1010	100	CMJC	1390
CFSE	850	250	CFCK	1010	100	CMJD	1390
CFSE	850	250	CFCK	1010	100	CMJE	1220
CFSE	850	250	CFCK	1010	100	CMJF	1150
CFSE	850	250	CFCK	1010	100	CMJG	1150
CFSE	850	250	CFCK	1010	100	CMJH	1360
CFSE	850	250	CFCK	1010	100	CMJI	1130
CFSE	850	250	CFCK	1010	100	CMJJ	1130
CFSE	850	250	CFCK				

NORTH AMERICAN B. C. STATIONS BY CALLS

CMJL 1340 Camaguey, Cuba	100		KARK 890 Little Rock, Ark.	250		KFJI 1210 Klamath Falls, Ore.	100		KGCX 1310 Wolf Point, Mont.	100		KHEC 1420 Hilo, T. H.	100		KMPC 710 Beverly Hills, Calif.	500
CMJO 1180 Ciego de Avila, Cuba	50		KASA 1210 Elk City, Okla.	100		KFJM 1370 Grand Forks, N. D.	100		KGDE 1200 Fergus Falls, Minn.	100		KHJ 900 Los Angeles, Calif.	1000		KMTR 570 Hollywood, Calif.	1000
CMJP 1430 Camaguey, Cuba	75		KAST 1370 Astoria, Ore.	100		KFJR 1300 Portland, Ore.	500		KHDM 1100 Spokane, Wash.	1000		KHK 590 Spokane, Wash.	1000		KNEL 1500 Brady, Texas	100
CMK 730 Camaguey, Cuba	3000		KBIX 1500 Muskogee, Okla.	100		KFJZ 1370 Fort Worth, Texas	100		KHSL 1340 Chico, Calif.	250		KHSL 950 Chico, Calif.	250		KNET 1420 Palestine, Texas	100
CMKC 1250 Santiago, Cuba	150		KBPS 1420 Portland, Ore.	100		KFKA 880 Greeley, Colo.	500		KICA 1370 Covis, N. M.	100		KIA 1370 Covis, N. M.	100		KNOW 1500 Austin, Texas	100
CMKD 1050 Santiago, Cuba	250		KBTM 1200 Jonesboro, Ark.	100		KFKU 1220 Lawrence, Kans.	1000		KID 1320 Idaho Falls, Idaho	500		KID 1320 Idaho Falls, Idaho	500		KNYX 1050 Hollywood, Calif.	50000
CMKF 1460 Holguin, Cuba	250		KCMC 1420 Texarkana, Ark.	100		KFNE 890 Shenandoah, Iowa	500		KID 1350 Boise, Idaho	1000		KID 1350 Boise, Idaho	1000		KOA 830 Denver, Colo.	50000
CMKM 1120 Manzanillo, Cuba	200		KCRC 1360 Enid, Okla.	250		KFOR 1210 Lincoln, Neb.	100		KIDW 1420 Lamar, Colo.	100		KIDW 1420 Lamar, Colo.	100		KOAC 550 Corvallis, Ore.	1000
CMKR 1400 Santiago, Cuba	100		KCRJ 1310 Jerome, Ariz.	100		KFOX 1250 Long Beach, Calif.	1000		KIEM 1450 Eureka, Calif.	500		KIEM 1450 Eureka, Calif.	500		KOB 1180 Albuquerque, N. M.	10000
CMKX 1190 Santiago, Cuba	75		KDB 1500 Santa Barbara, Calif.	100		KFPL 1310 Dublin, Texas	100		KIEV 850 Glendale, Calif.	250		KIEV 850 Glendale, Calif.	250		KOH 1380 Reno, Nev.	500
CMOA 1440 Havana, Cuba	150		KDFN 1440 Casper, Wyo.	500		KFPW 1210 Fort Smith, Ark.	100		KIN 1110 Juneau, Alaska	100		KIN 1110 Juneau, Alaska	100		KOIL 1260 Council Bluffs, Iowa	1000
CMOK 1470 Havana, Cuba	150		KDKA 980 Pittsburgh, Pa.	50000		KFPY 890 Spokane, Wash.	1000		KIRO 710 Seattle, Wash.	500		KIRO 710 Seattle, Wash.	500		KOIN 940 Portland, Ore.	1000
CMOX 1320 Havana, Cuba	200		KDLR 1210 Devils Lake, N. D.	100		KQD 780 Spokane, Wash.	250		KIT 1310 Seattle, Wash.	100		KIT 1310 Seattle, Wash.	100		KOL 1270 Portland, Ore.	1000
CMQ 880 Havana, Cuba	500		KDON 1210 Del Monte, Calif.	100		KQD 780 Spokane, Wash.	250		KIUF 1310 Santa Fe, N. Mex.	100		KIUF 1310 Santa Fe, N. Mex.	100		KOMA 1480 Oklahoma City, Okla.	5000
CMW 600 Havana, Cuba	1400		KDYL 1290 Salt Lake City, Utah	1000		KRC 610 Anchorage, Alaska	1000		KIUL 1210 Garden City, Kans.	100		KIUL 1210 Garden City, Kans.	100		KOMO 920 Seattle, Wash.	1000
CMX 920 Havana, Cuba	1000		KECA 1430 Los Angeles, Calif.	1000		KRC 610 Anchorage, Alaska	1000		KIUN 1420 Peos, Texas	100		KIUN 1420 Peos, Texas	100		KONO 1370 San Antonio, Texas	100
CRCK 1050 Quebec, Que.	1000		KELD 1370 El Dorado, Ark.	100		KFRU 630 Columbia, Mo.	500		KIUP 1370 Durango, Colo.	100		KIUP 1370 Durango, Colo.	100		KOOS 1390 Marshfield, Ore.	250
CRCM 910 Montreal, Que.	5000		KELW 780 Burbank, Calif.	500		KGSD 600 San Diego, Calif.	1000		KJBS 1070 San Francisco, Calif.	500		KJBS 1070 San Francisco, Calif.	500		KORE 1420 Eugene, Ore.	100
CRCO 880 Ottawa, Ont.	1000		KERN 1370 Bakersfield, Calif.	100		KGSM 1120 Los Angeles, Calif.	500		KJRH 970 Seattle, Wash.	5000		KJRH 970 Seattle, Wash.	5000		KOTN 1500 Pine Bluffs, Ark.	100
CRCS 950 Chicoutimi, Que.	100		KEUB 1420 Price, Utah	100		KGUO 550 St. Louis, Mo.	500		KKCN 1290 Blytheville, Ark.	100		KKCN 1290 Blytheville, Ark.	100		KPAC 1260 Fort Arthur, Texas	500
CRCT 840 Toronto, Ont.	5000		KEX 1180 Portland, Ore.	5000		KHVO 550 St. Louis, Mo.	500		KKLO 1400 Ogden, Utah	500		KKLO 1400 Ogden, Utah	500		KPDN 1310 Tempa, Texas	100
CRCV 1100 Vancouver, B. C.	500		KFAB 770 Lincoln, Neb.	10000		KHVO 550 St. Louis, Mo.	500		KKLR 1390 Little Rock, Ark.	1000		KKLR 1390 Little Rock, Ark.	1000		KPLC 1500 Lake Charles, La.	100
CRCW 600 Windsor, Ont.	500		KFAC 1300 Los Angeles, Calif.	1000		KFXD 1200 Nampa, Idaho	100		KLS 1440 Oakland, Calif.	250		KLS 1440 Oakland, Calif.	250		KPO 686 San Francisco, Calif.	50000
FON 609 St. Pierre, Mich.	250		KFBB 1280 Great Falls, Mont.	1000		KFXJ 1200 Grand Junction, Colo.	100		KLUF 1370 Galveston, Texas	100		KLUF 1370 Galveston, Texas	100		KPOF 880 San Francisco, Calif.	500
HHK 920 Port-au-Prince, Haiti	1000		KFBI 1050 Ablene, Kans.	5000		KFXM 1210 San Bernardino, Calif.	100		KLX 880 Oakland, Calif.	1000		KLX 880 Oakland, Calif.	1000		KPPC 1210 Denver, Colo.	50
HHH 1395 San Pedro de M., D.R.	15		KFBK 1490 Sacramento, Calif.	5000		KFYR 550 Beaumont, Texas	1000		KLX 1260 Medford, Ore.	100		KLX 1260 Medford, Ore.	100		KPPC 1210 Denver, Colo.	50
HJ 1195 Trujillo, D. R.	15		KFD 560 Beaumont, Texas	500		KFYR 550 Beaumont, Texas	1000		KLZ 560 Denver, Colo.	1000		KLZ 560 Denver, Colo.	1000		KPRC 920 Houston, Texas	1000
HIX 800 Trujillo, D. R.	700		KFDY 780 Brookings, S. D.	1000		KFYR 550 Beaumont, Texas	1000		KMA 930 Shenandoah, Iowa	1000		KMA 930 Shenandoah, Iowa	1000		KQV 1380 Pittsburgh, Pa.	500
HIZ 1370 Trujillo, D. R.	10		KFEL 920 Denver, Colo.	500		KGA 1470 Spokane, Wash.	5000		KMAC 1370 San Antonio, Texas	100		KMAC 1370 San Antonio, Texas	100		KRGV 1260 Weslaco, Texas	500
HPEO 1440 Colon, Panama	25		KFEQ 680 St. Joseph, Mo.	2500		KGAR 1370 Tucson, Ariz.	100		KMB 950 Fresno, Calif.	1000		KMB 950 Fresno, Calif.	1000		KRKO 1010 Los Angeles, Calif.	1000
HRN 1340 Tequicuilpa, Hond.	100		KFGQ 1370 Doone, Iowa	100		KGB 1330 San Diego, Calif.	1000		KMED 1310 Medford, Ore.	100		KMED 1310 Medford, Ore.	100		KRE 1370 San Jose, Calif.	100
SABC 1420 San Antonio, Texas	100		KFH 1300 Wichita, Kans.	1000		KGBX 1230 Springfield, Mo.	500		KMJ 580 Fresno, Calif.	1000		KMJ 580 Fresno, Calif.	1000		KRKD 1120 Los Angeles, Calif.	500
KABR 1420 Aberdeen, S. Dak.	100		KFI 640 Los Angeles, Calif.	50000		KGBZ 930 York, Neb.	1000		KMLB 1200 Monroe, La.	1000		KMLB 1200 Monroe, La.	1000		KRKD 1120 Los Angeles, Calif.	500
KADA 1200 Ada, Okla.	100		KFIO 1120 Spokane, Wash.	100		KGBZ 930 York, Neb.	1000		KMWJ 740 City Center, Neb.	1000		KMWJ 740 City Center, Neb.	1000		KRKO 1370 Everett, Wash.	50
KALB 1420 Alexandria, La.	100		KFIZ 1420 Fond du Lac, Wis.	100		KGCA 1270 Decorah, Iowa	100		KMOX 1099 St. Louis, Mo.	50000		KMOX 1099 St. Louis, Mo.	50000		KRLC 1420 Lawiston, Idaho	100
KALE 1100 Portland, Ore.	500		KFJB 1200 Marshalls town, Iowa	100		KGCU 1240 Mandan, N. D.	250		KOL 1330 Tacoma, Wash.	250		KOL 1330 Tacoma, Wash.	250		KRLD 1040 Dallas, Texas	10000

NORTH AMERICAN B. C. STATIONS BY CALLS

CMJL 1340 Camaguey, Cuba	100		KARK 890 Little Rock, Ark.	250		KFJI 1210 Klamath Falls, Ore.	100		KGCX 1310 Wolf Point, Mont.	100		KHEC 1420 Hilo, T. H.	100		KMPC 710 Beverly Hills, Calif.	500
CMJO 1180 Ciego de Avila, Cuba	50		KASA 1210 Elk City, Okla.	100		KFJM 1370 Grand Forks, N. D.	100		KGDE 1200 Fergus Falls, Minn.	100		KHJ 900 Los Angeles, Calif.	1000		KMTR 570 Hollywood, Calif.	1000
CMJP 1430 Camaguey, Cuba	75		KAST 1370 Astoria, Ore.	100		KFJR 1300 Portland, Ore.	500		KHDM 1100 Spokane, Wash.	1000		KHK 590 Spokane, Wash.	1000		KNEL 1500 Brady, Texas	100
CMK 730 Camaguey, Cuba	3000		KBIX 1500 Muskogee, Okla.	100		KFJZ 1370 Fort Worth, Texas	100		KHSL 1340 Chico, Calif.	250		KHSL 950 Chico, Calif.	250		KNET 1420 Palestine, Texas	100
CMKC 1250 Santiago, Cuba	150		KBPS 1420 Portland, Ore.	100		KFKA 880 Greeley, Colo.	500		KICA 1370 Covis, N. M.	100		KIA 1370 Covis, N. M.	100		KNOW 1500 Austin, Texas	100
CMKD 1050 Santiago, Cuba	250		KBTM 1200 Jonesboro, Ark.	100		KFKU 1220 Lawrence, Kans.	1000		KID 1320 Idaho Falls, Idaho	500		KID 1320 Idaho Falls, Idaho	500		KNYX 1050 Hollywood, Calif.	50000
CMKF 1460 Holguin, Cuba	250		KCMC 1420 Texarkana, Ark.	100		KFNE 890 Shenandoah, Iowa	500		KID 1350 Boise, Idaho	1000		KID 1350 Boise, Idaho	1000		KOA 830 Denver, Colo.	50000
CMKM 1120 Manzanillo, Cuba	200		KCRC 1360 Enid, Okla.	250		KFOR 1210 Lincoln, Neb.	100		KIDW 1420 Lamar, Colo.	100		KIDW 1420 Lamar, Colo.	100		KOAC 550 Corvallis, Ore.	1000
CMKR 1400 Santiago, Cuba	100		KCRJ 1310 Jerome, Ariz.	100		KFOX 1250 Long Beach, Calif.	1000		KIEM 1450 Eureka, Calif.	500		KIEM 1450 Eureka, Calif.	500		KOB 1180 Albuquerque, N. M.	10000
CMKX 1190 Santiago, Cuba	75		KDB 1500 Santa Barbara, Calif.	100		KFPL 1310 Dublin, Texas	100		KIEV 850 Glendale, Calif.	250		KIEV 850 Glendale, Calif.	250		KOH 1380 Reno, Nev.	500
CMOA 1440 Havana, Cuba	150		KDFN 1440 Casper, Wyo.	500		KFPW 1210 Fort Smith, Ark.	100		KIN 1110 Juneau, Alaska	100		KIN 1110 Juneau, Alaska	100		KOIL 1260 Council Bluffs, Iowa	1000
CMOK 1470 Havana, Cuba	150		KDKA 980 Pittsburgh, Pa.	50000		KFPY 890 Spokane, Wash.	1000		KIRO 710 Seattle, Wash.	500		KIRO 710 Seattle, Wash.	500		KOIN 940 Portland, Ore.	1000
CMOX 1320 Havana, Cuba	200		KDLR 1210 Devils Lake, N. D.	100		KQD 780 Spokane, Wash.	250		KIT 1310 Seattle, Wash.	100		KIT 1310 Seattle, Wash.	100		KOL 1270 Portland, Ore.	1000
CMQ 880 Havana, Cuba	500		KDON 1210 Del Monte, Calif.	100		KQD 780 Spokane, Wash.	250		KIUF 1310 Santa Fe, N. Mex.	100		KIUF 1310 Santa Fe, N. Mex.	100		KOMA 1480 Oklahoma City, Okla.	5000
CMW 600 Havana, Cuba	1400		KDYL 1290 Salt Lake City, Utah	1000		KRC 610 Anchorage, Alaska	1000		KIUL 1210 Garden City, Kans.	100		KIUL 1210 Garden City, Kans.	100		KOMO 920 Seattle, Wash.	1000
CMX 920 Havana, Cuba	1000		KECA 1430 Los Angeles, Calif.	1000		KRC 610 Anchorage, Alaska	1000		KIUN 1420 Peos, Texas	100		KIUN 1420 Peos, Texas	100		KONO 1370 San Antonio, Texas	100
CRCK 1050 Quebec, Que.	1000		KELD 1370 El Dorado, Ark.	100		KFRU 630 Columbia, Mo.	500		KIUP 1370 Durango, Colo.	100		KIUP 1370 Durango, Colo.	100		KOOS 1390 Marshfield, Ore.	250
CRCM 910 Montreal, Que.	5000		KELW 780 Burbank, Calif.	500		KGSD 600 San Diego, Calif.	1000		KJBS 1070 San Francisco, Calif.	500		KJBS 1070 San Francisco, Calif.	500		KORE 1420 Eugene, Ore.	100
CRCO 880 Ottawa, Ont.	1000		KERN 1370 Bakersfield, Calif.	100		KGUO 550 St. Louis, Mo.	500		KJRH 970 Seattle, Wash.	5000		KJRH 970 Seattle, Wash.	5000		KOTN 1500 Pine Bluffs, Ark.	100
CRCS 950 Chicoutimi, Que.	100		KEUB 1420 Price, Utah	100		KHVO 550 St. Louis, Mo.	500		KKCN 1290 Blytheville, Ark.	100		KKCN 1290 Blytheville, Ark.	100		KPAC 1260 Fort Arthur, Texas	500
CRCT 840 Toronto, Ont.	5000		KEX 1180 Portland, Ore.	5000		KHVO 550 St. Louis, Mo.	500		KKLO 1400 Ogden, Utah	500		KKLO 1400 Ogden, Utah	500		KPDN 1310 Tempa, Texas	100
CRCV 1100 Vancouver, B. C.	500		KFAB 770 Lincoln, Neb.	10000		KHVO 550 St. Louis, Mo.	500		KKLR 1390 Little Rock, Ark.	1000		KKLR 1390 Little Rock, Ark.	1000		KPLC 1500 Lake Charles, La.	100
CRCW 600 Windsor, Ont.	500		KFAC 1300 Los Angeles, Calif.	1000		KFXD 1200 Nampa, Idaho	100		KLS 1440 Oakland, Calif.	250		KLS 1440 Oakland, Calif.	250		KPO 686 San Francisco, Calif.	50000
FON 609 St. Pierre, Mich.	250		KFBB 1280 Great Falls, Mont.	1000		KFXJ 1200 Grand Junction, Colo.	100		KLUF 1370 Galveston, Texas	100		KLUF 1370 Galveston, Texas	100		KPOF 880 San Francisco, Calif.	500
HHK 920 Port-au-Prince, Haiti	1000		KFBI 1050 Ablene, Kans.	5000		KFXM 1210 San Bernardino, Calif.	100		KLX 880 Oakland, Calif.							

NORTH AMERICAN B. C. STATIONS BY CALLS

KRLH	1420	100	KVL	1370	100	TIRH	930	50	WBAX	1210	100	WCBM	1370	100	WEBC	1290	1000
Midland, Texas			Seattle, Wash.			San Jose, C. R.			Wilkes-Barre, Pa.			Baltimore, Md.			Superior, Wis.		
KRMD	1310	100	KVOA	1260	500	VAS	645	2000	WBBS	1400	500	WCCO	1420	100	WBCB	1210	100
Shreveport, La.			Tucson, Ariz.			Glacé Bay, N. S.			Brooklyn, N. Y.			Springfield, Ill.			Harrisburg, Ill.		
KRNR	1500	100	KVOD	920	500	VESEK	1185	10	WBLI	1210	100	WCCO	810	50000	WBBR	1310	100
Roseburg, Ore.			Denver, Colo.			Montmaguy, Que.			Richmond, Va.			Minneapolis, Minn.			Buffalo, N. Y.		
KRNT	1320	500	KVOE	1500	100	VOAC	1065	40	WBBM	770	50000	WCFI	970	5000	WEDC	1210	100
Des Moines, Iowa			Santa Ana, Calif.			St. John's, Nfld.			Chicago, Ill.			Chicago, Ill.			WEDC	1210	100
KROC	1310	100	KVOL	1310	100	VOAS	940	100	WBRS	1300	1000	WCHS	580	500	WEED	1420	100
Rochester, Minn.			Lafayette, La.			St. John's, Nfld.			Brooklyn, N. Y.			Charleston, W. Va.			Rocky Mount, N. C.		
KROW	930	1000	KVOO	1140	25000	VOGY	840	480	WBBZ	1200	100	WCHV	1420	100	WEEI	590	1000
Oakland, Calif.			Tulsa, Okla.			St. John's, Nfld.			Fonca City, Okla.			Charlotteville, Va.			Boston, Mass.		
KRSC	1120	100	KVOR	1270	1000	VONF	1195	500	WBCM	1430	500	WCKY	1490	5000	WEEU	830	1000
Seattle, Wash.			Colorado Spgs., Colo.			St. John's, Nfld.			Bay City, Mich.			Covington, Ky.			Reading, Pa.		
KSAC	580	500	KVOS	1200	100	VOWR	681	500	WBEN	900	1000	WCO	1200	100	WGL	1400	500
Manhattan, Kans.			Bellingham, Wash.			St. John's, Nfld.			Buffalo, N. Y.			Janesville, W. Va.			Brooklyn, N. Y.		
KSCJ	1330	1000	KVSO	1210	100	WAAB	1410	500	WBEO	1310	100	WCLS	1310	100	WEHS	1420	100
Sioux City, Iowa			Ardmore, Okla.			Boston, Mass.			Marquette, Mich.			Joliet, Ill.			Cicero, Ill.		
KSD	550	1000	KWEG	1420	100	WAAF	920	1000	WBIG	1440	500	WCMJ	1310	100	WELI	900	500
St. Louis, Mo.			Hutchinson, Kans.			Chicago, Ill.			Greensboro, N. C.			Ashland, Ky.			New Haven, Conn.		
KSEI	900	250	KWG	1200	100	WAAT	940	500	WBNO	1200	100	WCNW	1500	100	WELL	1420	100
Portland, Idaho			Stockton, Calif.			Jersey City, N. J.			New Orleans, La.			Brooklyn, N. Y.			Battle Creek, Mich.		
KSFO	560	1000	KWJJ	1040	500	WAAW	660	500	WENS	1430	500	WCOA	1340	500	WEMP	1310	100
San Francisco, Calif.			Portland, Ore.			Omaha, Neb.			Columbus, Ohio			Pensacola, Fla.			Milwaukee, Wis.		
KSL	1130	50000	KWKB	1350	1000	WABC	860	50000	WENX	1350	250	WCOG	880	500	WENR	870	50000
Salt Lake City, Utah			St. Louis, Mo.			New York, N. Y.			New York, N. Y.			Meridian, Miss.			Chicago, Ill.		
KSLM	1370	100	KWKC	1370	100	WABI	1200	100	WBNI	1370	100	WCOL	1210	100	WEOA	1370	100
Salem, Ore.			Kansas City, Mo.			Bangor, Maine			Buffalo, N. Y.			Columbus Ohio			Evanston, Ind.		
KSO	1430	500	KWKH	1100	10000	WABY	1370	100	WBOQ	860	50000	WOP	1120	500	WESG	850	1000
Des Moines, Iowa			Shreveport, La.			Albany, N. Y.			New York, N. Y.			Boston, Mass.			Elmira, N. Y.		
KSOO	1110	2500	KWLC	1270	100	WACO	1420	100	WBOW	1310	100	WCPO	1280	100	WEST	1200	100
Sioux Falls, S. D.			Decorah, Iowa			Waco, Texas			Terre Haute, Ind.			Cincinnati, Ohio			Easton, Pa.		
KSTP	1460	25000	KWSC	1220	1000	WADC	1320	1000	WERB	1210	100	WCRW	1210	100	WEVD	1300	1000
St. Paul, Minn.			Fulima, Wash.			Akron, Ohio			Red Bank, N. J.			Chicago, Ill.			New York, N. Y.		
KSUN	1200	100	KWTN	1210	100	WAGF	1370	250	WBRC	930	1000	WCSC	1360	500	WEW	760	1000
Lowell, Ariz.			Watertown, S. D.			Dothan, Ala.			Birmingham, Ala.			Charleston, S. C.			St. Louis, Mo.		
KSTAR	620	1000	KWTO	560	5000	WAGM	1420	100	WBRE	1310	100	WCSH	940	1000	WEXL	1310	50
Phoenix, Ariz.			Springfield, Mo.			Freese Isle, Me.			Wilkes-Barre, Pa.			Portland, Me.			Royal Oak, Mich.		
KTAT	1240	1000	KWYO	1370	100	WAIM	1200	100	WBT	1080	50000	WDAE	1220	1000	WFAA	800	50000
Fort Worth, Texas			Sheridan, Wyo.			Anderson, S. C.			Charlotte, N. C.			Tampa, Fla.			Dallas, Texas		
KTBS	1450	1000	KXA	760	250	WAIU	640	500	WBTM	1370	100	WDAF	610	1000	WFAB	1300	1000
Shreveport, La.			Seattle, Wash.			Columbus, Ohio			Danville, Va.			Kansas City, Mo.			New York, N. Y.		
KTEP	1500	100	KXL	1420	100	WALA	1380	500	WBZ	990	50000	WDAM	1310	100	WFAM	1200	100
El Paso, Texas			Portland, Ore.			Mobile, Ala.			Boston, Mass.			El Paso, Texas			South Bend, Ind.		
KTFI	1240	1000	KXO	1500	100	WALR	1210	100	WBZA	990	1000	WDAS	1370	100	WFAS	1210	100
Twin Falls, Idaho			El Centro, Calif.			Zanesville, Ohio			Springfield, Mass.			Philadelphia, Pa.			White Plains, N. Y.		
KTHS	1060	10000	KXRO	1310	100	WAML	1310	100	WCAC	600	500	WDAY	940	1000	WFBC	1300	1000
Hot Springs, Ark.			Aberdeen, Wash.			Laurel, Miss.			Storrs, Conn.			Fargo, N. D.			Greenville, S. C.		
KTM	780	500	KXYZ	1440	1000	WAPI	1140	5000	WCAD	1220	500	WDBJ	930	1000	WFBG	1310	100
Los Angeles, Calif.			Houston, Texas			Birmingham, Ala.			Canton, N. Y.			Roanoke, Va.			Altoona, Pa.		
KTRB	740	250	KYA	1230	1000	WARD	1400	500	WCAE	1220	1000	WDBO	580	1000	WFBL	1360	1000
Modesto, Calif.			San Francisco, Calif.			Brooklyn, N. Y.			Pittsburgh, Pa.			Orlando, Fla.			Syracuse, N. Y.		
KTRH	1290	1000	KYW	1020	10000	WASH	1270	500	WCAL	1250	1000	WDEL	1120	250	WFBM	1230	1000
Houston, Texas			Philadelphia, Pa.			Grand Rapids, Mich.			Northfield, Minn.			Wilmington, Del.			Indianapolis, Ind.		
KTSA	550	1000	NAA	690	1000	WATL	1370	100	WCAM	1280	500	WDEV	550	500	WFBR	1270	500
San Antonio, Texas			Arlington, Va.			Atlanta, Ga.			Candem, N. J.			Waterbury, Va.			Baltimore, Md.		
KTSM	1310	100	RDN	680	500	WATR	1190	300	WCAO	600	500	WDGY	1180	1000	WDFD	1310	100
El Paso, Texas			San Salvador, E. S.			Waterbury, Conn.			Baltimore, Md.			Minneapolis, Minn.			Flint, Mich.		
KTUL	1400	500	TGW	1210	10000	WAVE	940	1000	WCAP	1280	500	WDNC	1500	100	WFEA	1340	500
Tulsa, Okla.			Guatemala, Gub.			Louisville, Ky.			Asbury Park, N. J.			Durham, N. C.			Manchester, N. H.		
KTW	1220	1000	TGX	1400	250	WAWZ	1350	500	WCAT	1200	100	WDDO	1260	1000	WFIL	560	1000
Seattle, Wash.			Guatemala City			Zarephath, N. J.			Rapid City, S. D.			WDRG	1330	1000	WFLA	620	1000
KUJ	1370	100	TIEP	850	500	WAZL	1420	100	WCAU	1170	50000	WDRS	1330	1000	WFLA	620	1000
Walla Walla, Wash.			San Jose, C. R.			Headton, Pa.			Philadelphia, Pa.			WDSU	1250	1000	WFLD	900	500
KUMA	1420	100	TIFA	1050	75	WEAA	890	1000	WCAX	1200	100	WDSU	1250	1000	WFMD	900	500
Yuma, Ariz.			San Jose, C. R.			West Lafayette, Ind.			Burlington, Vt.			New Orleans, La.			Frederick, Md.		
KUOA	1260	1000	TIFS	1441	7.5	WEAL	760	2500	WCAX	1070	100	WDRZ	1020	250	WGAL	1500	100
Fayetteville, Ark.			Cartago, C. R.			Baltimore, Md.			Cartage, Ill.			WDBF	1440	500	WGAR	1450	500
KUSD	890	500	TIGA	1014	30	WBAL	1060	10000	WCBA	1140	500	WEAF	660	50000	WEAN	1450	500
Vermillion, S. D.			Cartago, C. R.			Baltimore, Md.			Allentown, Pa.			New York, N. Y.			Cleveland, Ohio		
KVI	570	1000	TIGH	1000	500	WBAP	800	50000	WCBD	1080	5000	WEAN	780	500	WGBB	1210	100
Tacoma, Wash.			San Jose, C. R.			Fort Worth, Texas			Waukegan, Ill.			Providence, R. I.			Freeport, N. Y.		

NORTH AMERICAN B. C. STATIONS BY CALLS

WGFB	630	Evansville, Ind.	500	WHK	1390	Cleveland, Ohio	1000	WJDX	1270	Jackson, Miss.	1000	WPRP	1420	Ponce, P. R.	100
WGBI	880	Scranton, Pa.	500	WHB	1370	Virginia, Minn.	100	WJEJ	1210	Hagerstown, Md.	100	WPTH	580	Raleigh, N. C.	5000
WGCM	1210	Wagon, Miss.	100	WHN	1010	New York, N. Y.	1000	WJIM	1210	Lansing, Mich.	100	WQAM	560	Miami, Fla.	1000
WGES	1360	Chicago, Ill.	5000	WHO	1000	Des Moines, Iowa	20000	WJJD	1130	Chicago, Ill.	20000	WQAN	880	Scranton, Pa.	250
WGH	1110	Newport News, Va.	100	WHOM	1450	Jersey City, N. J.	250	WJMS	1420	Ironwood, Mich.	100	WQEL	1360	Vicksburg, Miss.	1000
WGL	1370	Harrisburg, Pa.	100	WHP	1430	Harrisburg, Pa.	500	WJNO	1200	W. Palm Beach, Fla.	100	WQDM	1370	St. Albans, Vt.	100
WGN	720	Madison, Wis.	50000	WIB	1280	Madison, Wis.	1000	WJRW	750	Detroit, Mich.	50000	WQOX	1370	Williamsport, Pa.	100
WGNV	1210	Chester, N. Y.	100	WIBG	970	Glenside, Pa.	10000	WJSV	1460	Washington, D. C.	10000	WQV	920	Reading, Pa.	250
WGPC	1420	Albany, N. Y.	100	WIBM	1370	Jackon, Mich.	100	WJW	1210	Akron, Ohio	100	WQV	1200	Philadelphia, Pa.	100
WGR	650	Buffalo, N. Y.	1000	WIBU	1210	Poyette, Wis.	100	WJZ	760	New York, N. Y.	50000	WQV	1200	Columbus, Ga.	100
WGST	890	Atlanta, Ga.	1000	WIBW	590	Topeka, Kans.	1000	WKAQ	1240	San Juan, P. R.	1000	WRD	1370	Augusta, Me.	100
WGY	790	Schenectady, N. Y.	50000	WIBX	1200	Utica, N. Y.	100	WKA	850	East Lansing, Mich.	1000	WRD	1500	Augusta, Ga.	100
WHA	940	Madison, Wis.	2500	WICC	600	Bridgeport, Conn.	500	WKB	1500	East Dubuque, Ill.	1000	WRD	1500	Memphis, Tenn.	1000
WHAM	1150	Rochester, N. Y.	50000	WIL	1200	St. Louis, Mo.	100	WKB	1380	LaCrosse, Wis.	1000	WRD	1500	Lawrence, Kans.	1000
WHAS	820	Louisville, Ky.	50000	WILL	890	Urbana, Ill.	250	WKB	1420	Cicero, Ill.	100	WRG	1500	Rome, Ga.	100
WHAT	1310	Philadelphia, Pa.	100	WILM	1420	Wilmington, Del.	100	WKB	1200	Harrisburg, Pa.	100	WRJ	1370	Rochester, N. Y.	100
WHAZ	1300	Troy, N. Y.	500	WIND	560	Gary, Ind.	1000	WKB	1500	Richmond, Ind.	1000	WRJ	1370	Rochester, N. Y.	100
WHB	860	Kansas City, Mo.	1000	WINS	1180	New York, N. Y.	1000	WKB	1480	Buffalo, N. Y.	5000	WRK	1410	Rockford, Ill.	500
WHBB	1500	Selma, Alabama	100	WIOD	1300	Miami, Fla.	1000	WKB	1500	Muskegon, Mich.	100	WRK	1410	Rockford, Ill.	500
WHBC	1200	Canton, Ohio	100	WIP	610	Philadelphia, Pa.	1000	WKB	1500	Indianapolis, Ind.	100	WRK	1410	Rockford, Ill.	500
WHBF	1210	Rock Island, Ill.	100	WIRE	1400	Indianapolis, Ind.	500	WKB	1500	Griffin, Ga.	100	WRK	1410	Rockford, Ill.	500
WHBI	1250	Newark, N. J.	1000	WIS	560	Columbia, S. C.	1000	WKB	1500	Wilmington, N. C.	100	WRK	1410	Rockford, Ill.	500
WHBL	1300	Sheboygan, Wis.	500	WISN	1120	Milwaukee, Wis.	500	WKB	1500	Wilmington, N. C.	100	WRK	1410	Rockford, Ill.	500
WHBQ	1370	Memphis, Tenn.	100	WJAC	1310	Johannston, Pa.	1000	WKB	1500	Wilmington, N. C.	100	WRK	1410	Rockford, Ill.	500
WHBU	1210	Anderson, Ind.	100	WJAG	1060	Norfolk, Neb.	1000	WKB	1500	Wilmington, N. C.	100	WRK	1410	Rockford, Ill.	500
WHBY	1200	Green Bay, Wis.	100	WJAR	890	Providence, R. I.	500	WKB	1500	Wilmington, N. C.	100	WRK	1410	Rockford, Ill.	500
WHDF	1370	Cammet, Mich.	100	WJAS	1290	Pittsburgh, Pa.	1000	WKB	1500	Wilmington, N. C.	100	WRK	1410	Rockford, Ill.	500
WHDH	850	Boston, Mass.	1000	WJAX	900	Jacksonville, Fla.	500	WKB	1500	Wilmington, N. C.	100	WRK	1410	Rockford, Ill.	500
WHDL	1420	Olean, N. Y.	100	WJAY	610	Cleveland, Ohio	500	WKB	1500	Wilmington, N. C.	100	WRK	1410	Rockford, Ill.	500
WHEB	740	Portsmouth, N. H.	250	WJBC	1200	Bloomington, Ill.	100	WKB	1500	Wilmington, N. C.	100	WRK	1410	Rockford, Ill.	500
WHEC	1430	Rochester, N. Y.	500	WJBK	1560	Detroit, Mich.	100	WKB	1500	Wilmington, N. C.	100	WRK	1410	Rockford, Ill.	500
WHFL	1500	Kosciusko, Miss.	100	WJBL	1200	Decatur, Ill.	100	WKB	1500	Wilmington, N. C.	100	WRK	1410	Rockford, Ill.	500
WHFC	1420	Cicero, Ill.	100	WJBO	1420	Baton Rouge, La.	100	WKB	1500	Wilmington, N. C.	100	WRK	1410	Rockford, Ill.	500
WHIO	1260	Dayton, Ohio	1000	WJBR	1420	Gastonia, N. C.	100	WKB	1500	Wilmington, N. C.	100	WRK	1410	Rockford, Ill.	500
WHIS	1410	Bluefield, W. Va.	250	WJBW	1200	New Orleans, La.	100	WKB	1500	Wilmington, N. C.	100	WRK	1410	Rockford, Ill.	500
WHJB	620	Greensburg, Pa.	250	WJBY	1210	Gadsden, Ala.	100	WKB	1500	Wilmington, N. C.	100	WRK	1410	Rockford, Ill.	500

NORTH AMERICAN B. C. STATIONS BY CALLS

WLS	870	Chicago, Ill.	50000	WNBH	1310	New Bedford, Mass.	100	WPRP	1420	Ponce, P. R.	100
WLTN	1400	Brooklyn, N. Y.	500	WNB	1430	Memphis, Tenn.	500	WPTF	580	Raleigh, N. C.	5000
WLVA	1200	Lynchburg, Va.	100	WNBX	1260	Springfield, Vt.	1000	WQAM	560	Miami, Fla.	1000
WLW	700	Cincinnati, Ohio	500000	WNBZ	1290	Saranac Lake, N. Y.	100	WQAN	880	Scranton, Pa.	250
WLWL	1100	New York, N. Y.	5000	WNE	1290	San Juan, P. R.	1000	WQEL	1360	Vicksburg, Miss.	1000
WMAL	630	Washington, D. C.	250	WNEW	1250	Newark, N. J.	1000	WQDM	1370	St. Albans, Vt.	100
WMAQ	670	Chicago, Ill.	50000	WNOX	1010	Knoxville, Tenn.	1000	WQOX	1370	Williamsport, Pa.	100
WMAS	1420	Springfield, Mass.	100	WNR	1200	Newport, R. I.	100	WQV	920	Reading, Pa.	250
WMAZ	1180	Macon, Ga.	1000	WNYC	810	New York, N. Y.	1000	WQV	1200	Philadelphia, Pa.	100
WMB	1420	Detroit, Mich.	100	WOAI	1190	San Antonio, Texas	50000	WR	850	Washington, D. C.	500
WMBD	1440	Peoria, Ill.	500	WOC	1370	Davenport, Iowa	100	WRD	1370	Augusta, Me.	100
WMBG	1210	Richmond, Va.	100	WOCL	1210	Jamestown, N. Y.	50	WRD	1500	Augusta, Ga.	100
WMBH	1420	Joplin, Mo.	100	WOI	840	Ames, Iowa	5000	WRD	1500	Memphis, Tenn.	1000
WMBI	1080	Chicago, Ill.	5000	WOKO	1430	Albany, N. Y.	500	WRD	1500	Lawrence, Kans.	1000
WMO	1310	Auburn, N. Y.	100	WOL	1310	Washington, D. C.	100	WRG	1500	Rome, Ga.	100
WMBQ	1500	Brooklyn, N. Y.	100	WOMT	1210	Manitowoc, Wis.	500	WRJ	1370	Rochester, N. Y.	100
WMBR	1370	Jacksonville, Fla.	100	WOOD	1270	Grand Rapids, Mich.	500	WRJ	1370	Rochester, N. Y.	100
WMC	780	Memphis, Tenn.	1000	WOPI	1500	Bristol, Tenn.	100	WRK	1410	Rockford, Ill.	500
WMCA	570	New York, N. Y.	500	WOR	710	Newark, N. J.	50000	WRK	1410	Rockford, Ill.	500
WMEX	1500	Boston, Mass.	100	WORC	1280	Worcester, Mass.	500	WRK	1410	Rockford, Ill.	500
WMFD	1370	Wilmington, N. C.	100	WORK	1320	York, Pa.	1000	WRK	1410	Rockford, Ill.	500
WMFF	1310	Plattsburg, N. Y.	250	WORL	920	Needham, Mass.	500	WRK	1410	Rockford, Ill.	500
WMFG	1210	Hibbing, Minn.	100	WOS	630	Jefferson City, Mo.	500	WRK	1410	Rockford, Ill.	500
WMEJ	1420	Dayton, Beach, Fla.	100	WOSU	570	Columbus Ohio	750	WRK	1410	Rockford, Ill.	500
WMFN	1210	Clarksdale, Miss.	100	WOW	1130	New York, N. Y.	1000	WRK	1410	Rockford, Ill.	500
WMFO	1370	Decatur, Ala.	100	WOW	590	Omaha, Neb.	5000	WRK	1410	Rockford, Ill.	500
WMFR	1280	Nashville, Tenn.	100	WOWO	1160	Fort Wayne, Ind.	10000	WRK	1410	Rockford, Ill.	500
WMMN	890	High Point, N. C.	500	WPAD	1420	Paducah, Ky.	100	WRK	1410	Rockford, Ill.	500
WMPC	1200	Fairmount, W. Va.	100	WPAP	1420	Parkersburg, W. Va.	100	WRK	1410	Rockford, Ill.	500
WMSD	1420	Lapeer, Mich.	100	WPAX	1210	Thomasville, Ga.	250	WRK	1410	Rockford, Ill.	500
WMT	600	Cedar Rapids, Iowa	1000	WPAY	1370	Portsmouth, Ohio	100	WRK	1410	Rockford, Ill.	500
WNAC	1230	Boston, Mass.	1000	WPEN	920	Philadelphia, Pa.	250	WRK	1410	Rockford, Ill.	500
WNAD	1010	Norman, Okla.	1000	WPFF	1370	Hattiesburg, Miss.	100	WRK	1410	Rockford, Ill.	500
WNAX	570	Yankton, S. D.	1000	WPG	1100	Atlantic City, N. J.	5000	WRK	1410	Rockford, Ill.	500
WNEC	1380	New Britain, Conn.	250	WPHR	880	Petersburg, Va.	500	WRK	1410	Rockford, Ill.	500
WNEF	1500	Binghamton, N. Y.	100	WPRO	630	Providence, R. I.	250	WRK	1410	Rockford, Ill.	500

LONG WAVE STATIONS BY FREQUENCIES

Kcys.	Meters	Power	Call	Location	Kcys.	Meters	Power	Call	Location	AUSTRIA	GREAT BRITAIN	SPAIN	Tiflis	ILLINOIS	Reno
188	1595	20	RW14	Irkutsk, U.S.S.R.	302	993	1.2	KCAR	Pueblo, Colo.	Innsbruck	Droitwich	Madrid	RW7	Chicago	KLK
191	1570	60	.....	Zerlin, Ger.	309	970	2	.....	Soro, Denmark.	Vienne	.....	.....	RW63	.....	NORTH CAROLINA
193	1543	5	TAE	Angora, Turkey.	310	968	10	RW60	Alma Ata, U.S.S.R.	.....	.....	.....	.....	.....	.....
200	1499	150	.....	Droitwich, G. B.	314	955	2	VFU	London Creek, Sask.	.....	.....	SWEDEN	.....	INDIANA	.....
208	1441	5	.....	Godhavn, Grn.	320	937	.05	CE32	Los-Andes, Chile.	.....	GREENLAND	.....	RW25	.....	Greensboro
216	1388	150	SBG	Paris, France.	326	920	1.2	KCAT	Millford, Utah.	CANADA	Godhavn	SBE	.....	WVIE	.....
218	1375	100	RW76	Minsk, U.S.S.R.	332	903	1.2	KJF	Goshen, Ind.	ALBERTA	.....	.....	.....	.....	.....
224	1338	125	KCDJ	Reykjavik, Ice.	333	900	1.2	WRW	Omaha, Nebr.	.....	.....	.....	.....	.....	.....
227	1321	10	.....	Novrossisk, U.S.S.R.	338	887	1.2	KCAP	Greensboro, N. C.	.....	.....	.....	.....	.....	.....
230	1304	15	SP1	Livingson, Mont.	344	872	1.2	KSG	Big Spring, Tex.	.....	.....	.....	.....	.....	.....
232	1292	20	.....	Warsaw, Poland.	348	857	1.2	VFS	Cheyenne, Wyo.	.....	.....	.....	.....	.....	.....
242	1239	1.2	WWS	LaCrosse, Wis.	350	850	1.2	VFT	Lethbridge, Alta.	.....	.....	.....	.....	.....	.....
245	1224	100	.....	Birmingham, Ala.	350	850	1.2	VXR	Jarvis, Ont.	.....	.....	.....	.....	.....	.....
248	1209	1.2	WVQ	Bellefonte, Pa.	350	850	1.2	WVW	Memphis, Tenn.	.....	.....	.....	.....	.....	.....
256	1170	25	.....	Irkutsk, U.S.S.R.	353	845	10	WVW	Houston, Tex.	.....	.....	.....	.....	.....	.....
260	1153	60	.....	Albuquerque, N.Mex.	355	845	10	WVW	Portland, Ore.	.....	.....	.....	.....	.....	.....
266	1127	1.2	WNR	Shreveport, La.	359	835	1.2	WVW	St. Hubert, Que.	.....	.....	.....	.....	.....	.....
270	1100	100	.....	Luxembourg.	360	834	18	HAL	Key West, Fla.	.....	.....	.....	.....	.....	.....
271	1107	100	.....	London, Ont.	364	824	2	RW24	Wichita, Kans.	.....	.....	.....	.....	.....	.....
272	1102	1.2	KIS	Harrisburg, Pa.	365	821	1.2	KCAN	Cincinnati, O.	.....	.....	.....	.....	.....	.....
278	1078	1.2	WVW	Leningrad, U.S.S.R.	370	810	10	KKJ	Cleveland, Ohio.	.....	.....	.....	.....	.....	.....
284	1056	1.2	KCAC	Springfield, Mo.	371	808	10	KKJ	Newark, N. J.	.....	.....	.....	.....	.....	.....
286	1048	35	.....	San Antonio, Tex.	375	800	40	RW5	Pasco, Wash.	.....	.....	.....	.....	.....	.....
290	1034	1.2	KCO	Reno, Nevada.	385	779	1.2	WVW	Fresno, Calif.	.....	.....	.....	.....	.....	.....
296	1013	1.2	KCAA	Pittsburgh, Pa.	390	769	4	RW27	Jacksonville, Fla.	.....	.....	.....	.....	.....	.....
				Washington, D. C.	391	766	30	KOJ	Cleveland, Ohio.	.....	.....	.....	.....	.....	.....
				Buffalo, N. Y.	392	763	30	.....	Kingman, Ariz.	.....	.....	.....	.....	.....	.....
				Godthaab, Grn.	401	748	100	SBE	Boise, Idaho.	.....	.....	.....	.....	.....	.....
				Moscow, U.S.S.R.	414	726	10	.....	Verkhneudinsk, USSR	.....	.....	.....	.....	.....	.....
				Moscow, U.S.S.R.	421	712	2	SBP	Raleigh, N. C.	.....	.....	.....	.....	.....	.....
				Little Rock, Ark.	436	688	10	RW47	Finnmark, Nor.	.....	.....	.....	.....	.....	.....
				North Dallas, Wash.	450	667	1	RW83	Idaho Falls, Idaho.	.....	.....	.....	.....	.....	.....
				Palmdale, Calif.	472	636	1	RW41	Kansas City, Mo.	.....	.....	.....	.....	.....	.....
				Sherman-Hill, Wyo.	477	620	20	.....	Budapest, Hung.	.....	.....	.....	.....	.....	.....
				Butte, Mont.	527	578	10	.....	Smolensk, U.S.S.R.	.....	.....	.....	.....	.....	.....
				Tiflis, U.S.S.R.	527	578	10	.....	Fargo, N. D.	.....	.....	.....	.....	.....	.....
				St. Louis, Mo.	527	578	10	.....	Spokane, Wash.	.....	.....	.....	.....	.....	.....
				Rock Springs, Wyo.	531	565	2.25	.....	Elkhart, Ind.	.....	.....	.....	.....	.....	.....
				Tulsa, Okla.	536	560	1	.....	Elkhart, Ind.	.....	.....	.....	.....	.....	.....
					536	560	16	SP10	Wilna, Poland.	.....	.....	.....	.....	.....	.....

LONG WAVE STATIONS BY LOCATIONS

Memphis WVAU Nashville WVAC	Big Spring KCAP El Paso KCAO	San Antonio KCAW	Virginia Richmond WNR	Seattle KCZ Spokane KCA5	Wyoming Cheyenne KSG
326	326	254	240	260	326
345	242		240	365	326
		UTAH	WASHINGTON	WISCONSIN	
		Millard	Pasco	La Crosse	
		KCAT	KCS	W5G	
		Salt Lake			
		KGD			
		332	344	224	290
		KCAU		KDN	

LONG WAVE STATIONS BY CALLS

CE2	320	KCAQ	266	KDA	359	RW1	172	RW47	421	VFP	332	WWAQ	260
CTW	248	KCAR	302	KDN	290	RW3	340	RW49	401	VFR	334	WWAR	260
FILE	360	KCA5	365	KDG	338	RW4	232	RW43	245	VFS	326	WWAS	332
HAC	360	KCAU	320	K15	272	RW5	375	RW60	310	VFT	248	WWAT	224
HAL2	360	KCAU	320	KJF	272	RW6	286	RW62	227	VFU	314	WWAW	326
IBZ	531	KCAV	254	KKJ	365	RW8	238	RW63	350	VXR	326	WWAV	344
KAA	296	KCAW	254	KKL	254	RW10	208	RW66	333	WBP	332	WWAW	332
KCA	284	KCCA	350	KOJ	391	RW11	256	RW74	472	WEK	332	WWBC	254
KCAD	351	KCCR	278	KRC	359	RW12	355	RW76	218	WFT	248	WWBF	248
KCAE	286	KCDH	371	KSG	326	RW14	188	RW83	450	WHZ	260	WWB1	350
KCAF	230	KCDJ	224	KVM	284	RW19	333	SBE	392	WNR	260	WWHS	338
KCAH	248	KCC	290	LKH	510	RW21	370	SBF	414	WRW	320	WWIE	320
KCAH	350	KCR	350	LKI	355	RW24	364	SBG	216	WSG	224	WWIF	385
KCAJ	272	KCS	344	LKO	355	RW25	434	SP1	224	WSX	266	WWO	344
KCAK	230	KCU	344	LYT	185	RW27	390	SP10	436	TAE	385	WWQ	224
KCAN	365	KCV	242	OFB	166	RW37	472	TAL	185	WAF	272	WWU	338
KCAO	242	KCY	332	PK2	160	RW43	271	TFU	208	WWAG	338	WWU	338
KCAO	326	KCZ	260	RCZ	271	RW44	472	VFN	332	WWAP	254	WWX	272

Short Wave Stations By Frequencies

Police broadcasters shown in *Italics*. Time indicated is Eastern Standard.

CJD, Campbell River, B. C.	198.55 m.	198.55 m.	Minister of Lands for B. C.	300 W.	50 watts.	Address, see WLEX, WIED above.
CJK, Knight Inlet, B. C.	100 W.	190.96 m.	Anglo British Columbia Packing Co., Ltd.	100 W.	190.96 m.	
VAC, Cape Lazo, B. C.	50 W.	1710-1740.	Dominion Gov. Sun., 0610-0640; 1010-1040.	Other days 0500-1945.		
VAF, Alert Bay, B. C.	50 watts.	Dominion Gov. YDA8, Tandjongporek, N. E. I.	500 W.	N. V. Netherlands Indische-Radio Omroep Maatschappij, Koningsplein W. 5, Batavia-Centrum, Java, N. E. I.	0530-1100; 1745-1845; 2230-0130.	
VIA, Adelaide, Australia.	175 m.	Police				
VKO, Sydney, Australia.	1.4 kW.	Police.				
YDB7, Soerabala, N. E. I.	195.96 m.	195.96 m.	Address, see YDA8 above.			
YDB8, YDA8 above.	Daily, 0530-1100; 1745-1845; 2230-0130.					
YDB9, Solo, N. E. I.	25 watts.	187.98 m.	For address and schedule see YDD3, 1.585 megs.			
YDB5, Solo, N. E. I.	25 watts.	187.98 m.				
YDD3, Batavia (C), Java, N. E. I.	50 watts.	189.16 m.	N. V. Netherlands Indische Radio Omroep Maatschappij, Koningsplein West 5, Batavia-Centrum, Java, N. E. I.	0530-1100; 1745-1845; 2230-0130.		
YDB7, Soerabala, N. E. I.	75 watts.	190.48 m.	Police.			
CJM, Borden, P. E. I.	100 watts.	189.76 m.	Works ships Canadian National Railway.			
YDD3, Batavia (C), Java, N. E. I.	50 watts.	189.16 m.	N. V. Netherlands Indische Radio Omroep Maatschappij, Koningsplein West 5, Batavia-Centrum, Java, N. E. I.	0530-1100; 1745-1845; 2230-0130.		
YDB5, Solo, N. E. I.	25 watts.	187.98 m.	For address and schedule see YDD3, 1.585 megs.			
CFC, Cub Lake, Sask.	100 watts.	187.84 m.	Dept. of Natural Resources, Govt. of the Province of Saskatchewan, Lac la Ronge, Sask.	100 watts.	Address, see CFC above.	
CGQ, Lac la Ronge, Sask.	100 watts.	Address, see CFC above.				
CGV, Emma Lake, Sask.	100 watts.	Address CFC above.				
CZJ, Isle-la-Croix, Sask.	100 watts.	Address CFC above.				
YDA4, Soakabeemi, N. E. I.	25 watts.	193.43 m.	For address and schedule see YDA8, 1.510 megs.			
YDA4, Soakabeemi, N. E. I.	25 watts.	193.43 m.	For address and schedule see YDA8, 1.510 megs.			
WIED, Broadcast pickup, 50 watts.	National Broadcasting Co., 30 Rockefeller Plaza, N. Y. City	1.566 megs.				

SHORT WAVE STATIONS BY FREQUENCIES

WPGO, Columbus, Ohio.	400 W.	1.634 megs.	183.48 m.	Indiana
WPHC, Mission, Ohio.	400 W.	State of Ohio.		
WPHK, Wilmington, OH.	State of Ohio.			
WPHK, Cambridge, Ohio.	100 W.			
WQFT, Portable in Ohio.	100 W.			
1.606 megs.	186.69 m.			
KGXW, Port Alexander, Alaska.	Karl Hansen.			
KNEB, Broadcast pickup, 50 watts.	(WBAP).			
WIED, Broadcast pickup, 50 watts.	NBC, 30 Rockefeller Plaza, N. Y. City.			
WIEW, Broadcast pickup, 20 watts.	NBC.			
WIEF, Broadcast pickup, National Broadcasting Co.				
WIMEF, Broadcast pickup, 150 W.	National Broadcasting Co.			
.....	Funter Bay Camp, Alaska.			
1.610 megs.	186.22 m.			
WQPC, Chicago, Ill.	1 kw.	State of Ill., Bureau of Police.		
WQPD, DeQuoin, Ill.	1 kw.	State of Ill., Bureau of Police.		
WQPF, Effingham, Ill.	1 kw.	State of Ill., Bureau of Police.		
WQPC, Bureau of Police.				
WQPC, Sterling, Ill.	1 kw.	State of Ill., Bureau of Police.		
WQPP, Pontiac, Ill.	1 kw.	State of Ill., Bureau of Police.		
WQPS, Springfield, Ill.	1 kw.	State of Ill., Bureau of Police.		
.....	Macomb, Ill.			
1.615 megs.	185.65 m.			
YDB4, Tiepoe, N. E. I.	25 W.	N. V. Netherlands Indische Radio Omroep Maatschappij, Koningsplein W. 5, Batavia-Centrum, Java, N. E. I.	0530-1100; 1745-1845; 2230-0130.	
1.620 megs.	185.07 m.			
CFD, Kenora, Ont.	150 W.	Ontario Dept. of Lands and Forests.		
CFI, Red Lake, Ont.	Address CFL above.			
CFL, Tabouret, P. Q.	100 W.	Laurentian Forest Protective Association, Ltd., 126 St. Peter St., Quebec, P. Q.		
CFM, Manitougan River Estuary, P. Q.	100 W.	Address CFL above.		
CZB, Bellevue, P. Q.	100 W.	Address CFL above.		
CZY, Riviere du Chef, P. Q.	100 W.	Address CFL above.		
CZZ, St. Felicien, P. Q.	100 W.	Address CFL above.		
1.622 megs.	184.85 m.			
KGXU, Port Armstrong, Alaska.	Buchan & Helms.			
KHP, Deep Cove, Alaska.	(KIJV) Atlas Packing Co.			
KIFD, Broadcast pickup. (KFWB).				
KIJJ, Broadcast pickup. (WQV).				
KIJJ, Port Conclusion, Alaska.	Northwestern Herring Co.			
KIJK, Washington Bay, Alaska.	Storfield & Grondahl.			
KIJO, Port Herbert, Alaska.	P. H. Packing Co.			
KIJS, Newport Walter, Alaska.	Chatham Strait Fish Co.			
KIJJ, Deep Cove, Alaska.	50 watts. (KHP) Atlas Packing Co.			
KIJO, Red Bluff, Alaska.	50 watts. Richmond Fisheries Co.			
WIEH, Broadcast pickup. (WVMA).				
WAKEM, Broadcast pickup. (WINS).				
1.630 megs.	183.84 m.			
WEY, Boston, Mass.	Marine Fire Station.			
WKDT, Detroit, Mich.	Marine Fire Station.			
YDD2, Bandoeng, Java, N. E. I.	100 watts.	N. V. Netherlands Indische Radio Omroep Maatschappij, Tegalalah 0-23, Bandoeng.	0530-1100; 1745-1845; 2230-0130.	
1.634 megs.	183.48 m.			
WPIE, Marion County, Ind.	1 kW.	Indiana State Police.		
WPHS, Culver, Ind.	1 kW.	Municipal police.		
WPHU, Jasper, Ind.	1 kW.	State of Ind., Dept. of Safety.		
WQFE, Seymour, Ind.	1 kW.	State of Ind., Dept. of Public Safety.		
WQFW, Columbia City, Ind.	1 kW.	State of Ind., Dept. of Public Safety.		
.....	Indianapolis, Ind.	100 watts.	State of Ind. police.	
1.640 megs.	182.87 m.			
YDA1, Luitenszorg, N. E. I.	25 watts.	N. V. Netherlands Indische Radio Omroep Maatschappij, Koningsplein W. 5, Batavia-Centrum, Java, N. E. I.	0530-1100; 1745-1845; 2230-0130.	
1.642 megs.	182.59 m.			
WRDS, E. Lansing, Mich.	1 kW.	night; 5 kW. day.	State police.	
1.646 megs.	182.15 m.			
KNEC, Broadcast pickup.	40 w.	KVI.		
WIEK, Broadcast pickup.	Columbia Broadcasting System, 485 Madison Ave., at 52nd St., N. Y. City.			
WIEL, Broadcast pickup.	Address WIEK above.			
WLEB, Broadcast pickup.	(WOKO).			
1.650 megs.	181.71 m.			
VBY, Lunenburg, N. S.	Works ships.	Lunenburg Sea Products Ltd., Operated by Canadian Marconi.		
1.658 megs.	180.83 m.			
KNHD, Redwood Falls, Minn.	400 w.	State of Minn.		
KSP, Berkeley, Calif.	Municipal police.			
WFGC, S. Schenectady, N. Y.	1 kW.	night; 5 kW. day.	State police.	
1.660 megs.	180.62 m.			
YDB3, Djokakarta, N. E. I.	100 watts.	N. V. Netherland Indische Radio Omroep Maatschappij, Koningsplein W. 5, Batavia-Centrum, Java, N. E. I.	0530-1100; 1745-1845; 2230-0130.	
1.666 megs.	179.96 m.			
WMP, Framingham, Mass.	1 kW.	State of Mass. Municipal police.		
WPEL, Framingham, Mass.	1 kW.	State of Mass. Municipal police.		
WPEY, Framingham, Mass.	50 watts.	State of Mass. Municipal police.		
WPEW, Northampton, Mass.	1 kW.	State of Mass. Municipal police.		
.....	Nashville, Tenn.	Municipal police.		
1.668 megs.	179.75 m.			
CFC, Cub Lake, Sask.	Dept. of Natural Resources.			
CGQ, Lac la Ronge, Sask.	Address CFC above.			
CGV, Emma Lake, Sask.	Address CFC above.			
CZJ, Isle-la-Croix, Sask.	Address CFC above.			
VYP, Prince Albert, Sask.	Address CFC above.			
1.674 megs.	179.10 m.			
KGKH, Palo Alto, Calif.	20 watts.	Municipal police.		
KGZT, Santa Cruz, Calif.	100 watts.	State police.		
KJOK, Jefferson City, Mo.	State police.			
WFSF, Harrisburg, Pa.	1 kW.	State police.		
1.682 megs.	178.25 m.			
KACC, Fairfield, Iowa.	500 w.	State of Iowa.		
KACD, Atlantic, Iowa.	500 w.	State of Iowa.		

SHORT WAVE STATIONS BY FREQUENCIES

KCHO, Des Moines, Ia. State of Iowa, Bureau of Investigation.	1.880 megs.	159.47 m.
KNFN, Waterloo, Iowa. 400 watts.	1.900 megs.	157.80 m.
KNFO, Storm Lake, Iowa. 400 watts.	1.930 megs.	156.16 m.
W8XA, Portable in Ohio. 50 watts. Dept. of Highways, Div. of State Highway Patrol.	1.920 megs.	155.16 m.
WQFT, Portable in Ohio. 100 w.	1.940 megs.	154.55 m.
KNVC, Phoenix, Ariz. 1 kW. Arizona State Highway Dept.	1.960 megs.	152.97 m.
1.706 megs.	175.74 m.	
KGPC, St. Louis, Mo. City of St. Louis.	1.980 megs.	151.42 m.
WKDU, Cincinnati, Ohio. City of C.	1.980 megs.	151.42 m.
WPET, Lexington, Ky. City of L.	2.020 megs.	148.43 m.
1.712 megs.	175.13 m.	
CMPN, Havana, Cuba. Police.	2.060 megs.	145.54 m.
CZG, Prince Rupert, B. C., 150 watts. B. C. Provincial police.	2.060 megs.	145.54 m.
KGHY, Whittier, Calif. 50 watts. City of W.	2.070 megs.	144.84 m.
KGJX, Pasadena, Calif. 400 watts. City of P.	2.080 megs.	143.45 m.
KGPI, Beaumont, Tex. 100 w. City of B.	2.102 megs.	142.64 m.
KGPO, Los Angeles, Calif. 500 w. City and County of H.	2.110 megs.	142.09 m.
KGPR, Fort Worth, Texas. City of Ft. W.	2.150 megs.	139.45 m.
KGZB, Houston, Tex. City of H.	2.150 megs.	139.45 m.
KGZL, Shreveport, La. City of S.	2.150 megs.	139.45 m.
KGZO, Waco, Texas. City of W.	2.150 megs.	139.45 m.
KGZY, San Bernardino, Calif. 50 watts. City of San B.	2.150 megs.	139.45 m.
KNFJ, Pomona, Calif. 50 watts. City of P.	2.150 megs.	139.45 m.
KNGE, Cleburne, Tex. 50 watts. City of C.	2.150 megs.	139.45 m.
KNGL, Galveston, Tex. 50 watts. City of G.	2.150 megs.	139.45 m.
KNHF, Denton, Texas. 50 w. City of D.	2.150 megs.	139.45 m.
KVP, Dallas, Tex. 500 watts. City of P.	2.150 megs.	139.45 m.
YVR, Montreal, P.Q. 400 watts. Police calls in French and English. City of M. Police Dept.	2.150 megs.	139.45 m.
WAKE, Everett, Mass. 50 w. City of E.	2.150 megs.	139.45 m.
WPDB, Chicago, Ill. City of C.	2.150 megs.	139.45 m.
WPDD, Chicago, Ill. City of C.	2.150 megs.	139.45 m.
WPDU, Chicago, Ill. City of C.	2.150 megs.	139.45 m.
WPED, Arlington, Mass. Town of A.	2.150 megs.	139.45 m.
WPEH, Somerville, Mass. City of S.	2.150 megs.	139.45 m.
WPEI, E. Providence, R. I. E. Prov. Police Dept.	2.150 megs.	139.45 m.
WPEJ, Brookline, Mass. City of B.	2.150 megs.	139.45 m.
WPFM, Newton, Mass. City of N.	2.150 megs.	139.45 m.
WPFN, Fairhaven, Mass. Address: City of New Bedford Police.	2.150 megs.	139.45 m.
WPGF, Providence, R. I.	2.150 megs.	139.45 m.
WPGV, Boston, Mass. 500 watts. City of B.	2.150 megs.	139.45 m.
WPHC, Medford, Mass. 50 watts. City of M.	2.150 megs.	139.45 m.
WQFL, Oak Park, Ill. 50 w. City of O. P.	2.150 megs.	139.45 m.
WQFX, Waukegan, Ill. 100 w. Lake Co. Police	2.150 megs.	139.45 m.
1.715 megs. to 2.000 megs. 174.82 m. to 149.91 meters Amateur Band. Phones in following countries work between 1.875 and 2.000 megs. (149.91 m. to 159.90 meters). Australia, Argentina, Canada, Ecuador, Estonia, Union of South Africa, United States of America.		
1.840 megs.	162.95 m.	
YDJA, Cherlton, N. E. I. Batavia Radio Vereeniging.	2.150 megs.	136.90 m.
1.850 megs.	162.06 m.	
YDUS, Padang, Sumatra, N. E. I. Amateur Radio Omtrop Padang.	2.150 megs.	136.90 m.
1.860 megs.	161.13 m.	
1 OK6, Semarang, N. E. I. Radio Vereeniging Midden Java. Heerenstraat 25.	2.150 megs.	136.90 m.

SHORT WAVE STATIONS BY FREQUENCIES

2.212 megs.	135.54 m.	
WIED, Broadcast pickup. 50 watts. N. B. C., 3 Rockefeller Plaza, N. Y. City.	2.212 megs.	135.54 m.
WIEK, Broadcast pickup. 50 watts. Address WIED above.	2.212 megs.	135.54 m.
2.284 megs.	131.22 m.	
YVZ, High Falls, P. Q. 50 watts. J. mes McLaren Co., Ltd.	2.284 megs.	131.22 m.
2.290 megs.	130.93 m.	
CFV, Namu, B. C. 100 watts. British Columbia Packers, Ltd.	2.290 megs.	130.93 m.
CFW, Bones Bay, B. C. 100 watts. Canadian Fishing Co., Ltd.	2.290 megs.	130.93 m.
CJE, Cepeece, B. C. 10 watts. Canadian Packing Corp.	2.290 megs.	130.93 m.
CJX, Margaret Bay, B. C. Canadian Fishing Co., Ltd.	2.290 megs.	130.93 m.
CZL, Humbback Bay, B. C. 100 watts. Chatham Sound Fishing & Packing Co., Ltd.	2.290 megs.	130.93 m.
VFJ, Homaliko, B. C. 100 watts. Homaliko Logging Co., Ltd.	2.290 megs.	130.93 m.
2.304 megs.	130.13 m.	
KBAL, Ketchikan, Alaska. Forestry.	2.304 megs.	130.13 m.
KMYA, Juneau, Alaska. Forestry.	2.304 megs.	130.13 m.
2.318 megs.	129.34 m.	
CYQ, Toronto, Ont., police. 400 w.	2.318 megs.	129.34 m.
2.342 megs.	128.02 m.	
CGZ, Vancouver, B. C. 400 w. Corp. of the City of V.	2.342 megs.	128.02 m.
2.350 megs.	127.58 m.	
VBO, Halifax, N. S. 25 watts. Works ships in harbor.	2.350 megs.	127.58 m.
YDES, Djokjakarta, N. E. I. 25 watts. N. V. Nederlandsche Indische Radio Omtrop Moatschap, Koningsplein W. S. Batavia-Centrum, Java. 0530-1100; 1745-1845; 2230-0130.	2.350 megs.	127.58 m.
2.366 megs.	126.72 m.	
WAKC, Freehold, N. J. 100 w. Monmouth County Welfare House, Brier Hill Rd.	2.366 megs.	126.72 m.
2.382 megs.	125.87 m.	
KGHT, Brownsville, Tex. 25 watts. City of B.	2.382 megs.	125.87 m.
KGHV, Corpus Christi, Texas. 50 watts. City of C. C.	2.382 megs.	125.87 m.
KNFE, Duluth, Minn. City of D. Police.	2.382 megs.	125.87 m.
KNIB, Green Bay, Wis. 50 w. City of G. B.	2.382 megs.	125.87 m.
WAKE, Oshkosh, Wis. 100 w. Winnebago County Police.	2.382 megs.	125.87 m.
WPDN, Auburn, N. Y. Police.	2.382 megs.	125.87 m.
WPEA, Syracuse, N. Y. City of S. Police.	2.382 megs.	125.87 m.
WPFM, Birmingham, Ala. 400 watts. City of B. Police.	2.382 megs.	125.87 m.
WPCW, Mobile, Ala. 400 watts. City of M. Police.	2.382 megs.	125.87 m.
....., Hibbing, Minn.	2.382 megs.	125.87 m.
2.385 megs.	125.71 m.	
YDA2, Batavia (C), Java, N. E. I. 150 watts. N. V. Nederlandsche Indische Radio Omtrop Moatschap, Koningsplein W. S. Batavia Centrum, Java, N.E.I. 0530-1100; 1745-1845; 2230-0130.	2.385 megs.	125.71 m.
2.390 megs.	125.45 m.	
CJW, Saint John, N.B. 15 watts. Dept. of Public Safety.	2.390 megs.	125.45 m.
CJZ, Verdun, P.Q. 20 watts. City of V. Police.	2.390 megs.	125.45 m.
2.414 megs.	124.20 m.	
KACE, Olympia, Wash. 50 w. City of O.	2.414 megs.	124.20 m.
KACJ, Wenatchee, Wash. 250 w. Chelan County Police.	2.414 megs.	124.20 m.
KACK, Bellingham, Wash. 50 w. City of B.	2.414 megs.	124.20 m.
KGHS, Spokane, Wash. 100 w. City of S.	2.414 megs.	124.20 m.
KGHW, Centralia, Wash. 50 watts. City of C. Police.	2.414 megs.	124.20 m.
KGPA, Seattle, Wash. Seattle Police Dept.	2.414 megs.	124.20 m.
KGPF, Santa Fe, N. Mex. 25 watts. Police.	2.414 megs.	124.20 m.
KGPS, Bakersfield, Calif. City of B. Police.	2.414 megs.	124.20 m.
KGZA, Fresno, Calif. 300 watts. City of F. Police.	2.414 megs.	124.20 m.
KGZM, El Paso, Texas. City of E. P. Police.	2.414 megs.	124.20 m.
KGZN, Tacoma, Wash. City of T. Police.	2.414 megs.	124.20 m.
KGZO, Santa Barbara, Calif. City of S. B. Police.	2.414 megs.	124.20 m.
KGZV, Aberdeen, Wash. 150 watts. City of A. Police.	2.414 megs.	124.20 m.
KGZX, Albuquerque, N. Mex. City of A. Police.	2.414 megs.	124.20 m.
KNFA, Clovis, N. Mex. 50 watts. City of C. Police.	2.414 megs.	124.20 m.
KNFI, Mt. Vernon, Wash. 50 watts. Skagit County Police.	2.414 megs.	124.20 m.
KNFP, Everett, Wash. 50 watts. City of E. Police.	2.414 megs.	124.20 m.
KNGU, Yakima, Wash. 100 watts.	2.414 megs.	124.20 m.
KNKY, Lodi, Calif. 50 w. City of L.	2.414 megs.	124.20 m.
WCK, Detroit, Mich. D. City Police.	2.414 megs.	124.20 m.
WMO, Highland Park, Mich. City of H. P. Police.	2.414 megs.	124.20 m.
WDDA, Tulare, Calif. 150 watts.	2.414 megs.	124.20 m.
WDDJ, Passaic, N. J.	2.414 megs.	124.20 m.
WDDY, Detroit, Mich. City of D. Police.	2.414 megs.	124.20 m.
WDFX, Atlanta, Ga. City of A. Police.	2.414 megs.	124.20 m.
WDFI, Baltimore, Md. City of B. Police.	2.414 megs.	124.20 m.
WDFL, Columbus, Ga. City of C. Police.	2.414 megs.	124.20 m.
WDFH, Albany, N. Y. 300 watts. City of A. Police.	2.414 megs.	124.20 m.
WPGJ, Utica, N. Y. 100 watts. City of U. Police.	2.414 megs.	124.20 m.
WPGM, La Grange, Ga. 50 watts.	2.414 megs.	124.20 m.
WQFB, Macon, Ga. 50 watts.	2.414 megs.	124.20 m.
WQFI, Oneonta, N. Y. 50 w. City of O.	2.414 megs.	124.20 m.
WQFL, Augusta, Ga. 250 w. City Council of A.	2.414 megs.	124.20 m.
WQFR, Birmingham, Ala. 400 watts. Township of G. P.	2.414 megs.	124.20 m.
2.415 megs.	124.15 m.	
YDE4, Sourabaya, Java, N. E. I. 75 w. NIROM. Embong Malang 65	2.415 megs.	124.15 m.
2.416 megs.	124.09 m.	
CZG, Prince Rupert, B. C. 150 watts. B. C. Provincial Police.	2.416 megs.	124.09 m.
2.422 megs.	123.79 m.	
KACA, Atchison, Kans. 50 w. City of A.	2.422 megs.	123.79 m.
KACI, Eureka, Calif. 100 w. Humboldt County Police.	2.422 megs.	123.79 m.
KGPE, Kansas City, Mo. City of K. C. Police	2.422 megs.	123.79 m.
KGPC, Vallejo, Calif. City of V. Police	2.422 megs.	123.79 m.
KGZC, Topeka, Kans. City of T. Police.	2.422 megs.	123.79 m.

SHORT WAVE STATIONS BY FREQUENCIES

KNCF, Sacramento, Calif. 500 watts.	KGPZ, Wichita, Kans. 250 watts. City of W. Police.
KNCG, Salina, Kans. 50 w. City of S.	KNFH, Garden City, Kans. 50 w. City of G. C.
WFMJ, Buffalo, N. Y. City of B. Police. 757 E. Perry St.	KNGH, Dodge City, Kans. 50 watts.
WNFP, Niagara Falls, N. Y. 135 watts. City of N. F.	WFDI, Philadelphia, Pa. City of P. Police.
WPCR, Rochester, N. Y. City of R. Police.	WFFO, Knoxville, Tenn. City of K. Police.
WPDW, Washington, D. C. Municipal Police.	WFFQ, Searlesmore, Pa. Borough of S. Police.
WPHB, Nashua, N. H. 50 watts. City of N. Police.	WFFS, Asheville, N. C. 200 watts. Buncombe County Police.
2.430 megs.	WPGZ, Johnson City, Tenn. 50 w. City of J. C. County Police.
KGPB, Minneapolis, Minn. 500 watts. City of M.	WPHY, Elizabethton, Tenn. 100 watts. Carter County Police.
KGZI, Phoenix, Ariz. Municipal Police.	WRFQ, Toledo, Ohio. 400 watts. City of T. Police.
KNZJ, Shreveport, La. 100 watts.	2.482 megs.
WDDI, Columbus, Ohio. Franklin County Police.	KGZE, San Antonio, Tex. City of S. A. and State of Texas Police.
WDDJ, Dayton, Ohio. City of D. Police.	WPGT, New Castle, Pa. 50 watts. City of N. C. Police.
WDDS, St. Paul, Minn. City of S. P. Police.	WPHZ, Oil City, Pa. 50 watts. City of O. C. Police.
WPEK, N. O. Police.	WQFF, Police.
WPFK, Highland Park, Ill.	....., Sharon, Pa.
WPLI, Portsmouth, Ohio. 50 watts. City of P. Police.	2.490 megs.
WPHO, Zanesville, Ohio. 50 watts.	KGHA, Snopelow No. A222, 10 watts. State of Wash.
WQFO, Lancaster, Ohio. 50 watts.	KGHB, Snopelow No. A227, 10 watts. State of Wash.
....., Prescott, Ariz.	KGHC, Portable in Washington. 10 watts.
KCHU, Austin Texas, 100 watts. City of A. Police.	KGHD, Seattle, Wash. 50 w. State of Wash. Highway & Police Dept
KGPP, Portland, Ore. City of P. Police.	KGHE, Snoqualmie Pass, Wash. State of W., Highway & Police Dept
KGPK, Denver, Colo. City and County of D. Police.	KGHR, Portable in Wash. 10 watts. State of Wash.
KGZH, Klamath Falls, Ore. City of K. F. Police.	KGHX, Santa Ana, Calif. 400 w. Orange County Police.
KGZR, Salem, Ore. 50 watts. City of S. Police.	KGZD, San Diego, Calif. City of S. D. Police. Theater, 100 watts, one 50 watts and another 100 watts.
KNHM, Fargo, N. Dak. 50 w. City of F.	KGZL, Lincoln, Neb. City of L. Police.
WMDL, Indianapolis, Ind. Municipal Police.	KNFC, Los Angeles, Wash. State Highway.
WDFE, Louisville, Ky. City of L. Police.	KNFG, Olympia, Wash. 50 watts. State of Wash. Police.
WDFI, Flint, Mich. City of F. Police.	KNFK, Ballingum, Wash. 50 watts. State of Wash.
WDFL, Richmond, Ind. City of R. Police.	KNFL, Shuksan Camp, Wash. 10 watts.
WPLI, Lansing, Mich. City of L. Police.	KNFM, State of Wash. Highway.
WPEB, Grand Rapids, Mich. 500 watts. City of G. R.	KNFR, Rotary, San Plov. 25 watts.
WPEB, Saginaw, Mich. City of S. Police.	KNFS, Rotary Snow Plov. 10 watts. State of Wash. Highway and Police Dept.
WPEC, Muskegon, Mich. City of M. Police.	KNFU, Skykomish, Wash. 10 w. State of W. Highway.
WPFJ, Reading, Pa. City of R. Police.	KNFX, Ellensburg, Wash. 10 watts. Address KNFS above.
WFFT, Jacksonville, Fla. City of J. Police.	KNFY, Bear River Camp, Wash. 10 watts.
WFFX, Palm Beach, Fla. 50 watts. Town of P. B.	KNGA, Satus Pass Camp, Wash. 10 watts.
WFFY, Yonkers, N. Y. 400 watts. City of Y. Police.	KNGB, Yakima, Wash. 50 watts.
WPFZ, Miami, Fla. 100 watts. City of M. Police.	KNGC, Yancouver, Wash. 50 watts.
WPLL, Birmingham, N. Y. 400 watts. City of B. Police.	KNGD, Walla Walla, Wash. 10 watts.
WPCP, Muncie, Ind. 100 watts. City of M. Police.	KNGL, El Centro, Calif. 50 watts.
WPHM, Orlando, Fla. 50 watts. City of O. Police.	KNGN, Norfolk, Neb. 25 watts.
WQEM, Wilkes-Barre, Pa. 50 w. City of W-B. Police.	KNCQ, Wenatchee, Wash. 50 watts. Address KNFS.
WQFC, Lafayette, Ind. 50 w. City of L. Police.	KNCR, Spokane, Wash. 50 w. Address KNFS.
....., Winter Haven, Fla.	KNKZ, Ephrata, Wash. 10 w. State of W.
2.450 megs.	WAKA, Huntington, Ind. 50 w. City of H.
KACF, Chickasha, Okla. 50 w. City of C.	WPDJ, Kokomo, Ind. City of K. Police.
KACL, Altus, Okla. 50 w. City of A.	WPPZ, Fort Wayne, Ind. City of F. W. Police.
KACB, Anacostia, Okla. 50 w. City of P. C.	WPPF, Clarksville, W. Va. City of C. Police.
KGHN, Ft. Collins, Colo. 50 w. City of F. C.	WPCN, South Bend, Ind. 100 watts. City of S. B. Police.
KGFB, Lawton, Okla. 50 w. City of L.	WPGO, Huntington, N. Y. 25 watts. Town of H. Police.
KGFO, Tulsa, Okla. City of Tulsa Police.	

SHORT WAVE STATIONS BY FREQUENCIES

WPGS, Mincola, N. Y. County of Nassau Police.	WFLP, M. S. "Alaskan", Works KDK. A number of Motorships owned by the Nakat Packing Corp. work on this frequency.
WPHI, Charleston, W. Va. 50 watts. City of C. Police.	WFX, St. George, Staten Island, N. Y. Harborphone. New York Telephone Co.
WPHJ, Fairmont, W. Va. 100 watts.	2.590 megs.
WPHQ, Parkersburg, W. Va. 50 watts. City of P. Police.	2.604 megs.
2.506 megs.	KNIA, Glacier National Park, Montana.
KLH, San Rafael, Calif. Pacific Telephone & Telegraph Co.	KNKS, Yosemite National Park, Calif.
WOU, Marshfield, Mass. Phones fishing vessels.	KNKY, Deer Camp, Yosemite, Calif.
2.512 megs.	KNKY, Devil's Post Pile Nat'l Monument, Calif. Seattle, Wash. 500 watts. Alaskan Telephone Co., 517 Federal Office Bldg., Seattle.
KGK, Ketchikan, Alaska. Alaska Pacific Salmon Co. KLB, Port Althorp, Alaska. Address KGM above.	WXH, Ketchikan, Alaska. Works WVD. Army.
KLE, Kake, Alaska. Address KGM above.	2.616 megs.
SHIPS owned by Alaska Pacific Salmon Co. as follows: KGNJ, Jeannette E.; KGNM, Doris E.; KGNX, Yes Bay; WDEM, Wm. T. Muir; WFFF, Frances E.; WIDL, Leonine; WIDM, Sally S.; WIDN, Virginia E.; WNFM, Aico.	KAEB, Hyaburg, Alaska. 40 w. Territory of A.
2.522 megs.	KAED, Angeok, Alaska. 40 w. Territory of A.
KOW, Edmonds, Wash. Pacific Telephone & Telegraph Co.	KION, Tin City, Alaska. 200 w. Territory of A.
2.538 megs.	KIOX, Deering, Alaska. 40 w. Territory of A.
KDH, Port Alexander, Alaska. Karl Hansen.	KIUQ, Igloo, Alaska. 50 w. H. H. Burkher.
KDK, Wrangell, Alaska. Works KIJB, KLA, KFF, KLD daily at 0130. Owner: A. R. Brueger.	....., Kaslof, Alaska.
KDV, Fords Co (Eyak River), Alaska. Pioneer Sea Foods Co.	....., Kenal, Alaska.
WNFG, M. S. Arb No. 3. Owner: A. R. Bureger.	
2.550 megs.	
WMES, Lorain, Ohio. 500 watts. Public Coastal Station. Lorain County Radio Corp.	
2.566 megs.	
KFF, Union Bay, Alaska. Works KDK. Nakat Packing Corp.	
KNV, Waterfall, Alaska. Nakat Packing Corp.	
KLA, Waterfall, Alaska. Works KDK. Address above.	
KLD, Hidden Inlet, Alaska. Works KDK. Address above.	
KOU, Wilmington, Calif. Southern Calif. Telephone Co.	

SHORT WAVE STATIONS BY FREQUENCIES

KGJ, Nellie Juan, Alaska. (KIOD) Copper River Packing Co.	113.91 m.	2.632 mgs.
KGX, Port Wakefield, Alaska. (KIOC) Apex Fish Co.		
KIJW, Shearwater Bay, Alaska. Kadlak Fisheries Co.		
KIJK, Kadlak Island, Alaska. Kadlak Fisheries.		
KIMA, Port Hobron, Alaska. American Pacific Whaling Co.		
KIOC, Port Wakefield, Alaska. (KGX) Apex Fish Co.		
KIOD, Nellie Juan, Alaska. 50 watts. Phones Anchorage and ships. Copper River Packing Co.		
KIOH, Iron Creek (Raspberry Straits), Alaska. 50 watts. Southwestern Herring Co.		
KIOI, Akutan, Alaska. 50 watts. American Pacific Whaling Co.		
....., Funtar Bay Camp, Alaska.		
NMC, Point Benita, Calif. 200 watts. United States Coast Guard.	112.29 m.	2.670 mgs.
NMD, Cleveland, Ohio. 200 watts.		
NMF, Winthrop, Mass. 200 watts. U. S. Coast Guard.		
NMG, Mobile, Ala. U. S. Coast Guard.		
NMP, Cape Henry, Va. 200 watts. U. S. Coast Guard.		
NMN, Wilmette, Ill. 200 watts.		
NMV, Fort Lauderdale, Fla. 200 watts. U. S. Coast Guard.		
NMW, Gray Harbor, Wash. 200 watts.		
NMY, Rockaway Point, N. Y. 200 watts. U. S. Coast Guard.		
NOB, Buffalo, N. Y. 200 watts. U. S. Coast Guard.		
NOF, St. Petersburg, Fla. 200 watts. U. S. Coast Guard.		
NOG, Gloucester, Mass. 50 watts. U. S. Coast Guard Base 7.		
NOJ, San Pedro, Calif. 200 watts. U. S. Coast Guard Base 17.		
NOM, Miami, Fla.		
NOP, Woods Hole, Mass. 50 watts. U. S. Coast Guard, Section Base 18.		
NOR, Sault Ste. Marie, Mich. 200 watts.		
NOU, New London, Conn. 200 watts. U. S. Coast Guard.		
NOV, Cape May, N. J. 200 watts. U. S. Coast Guard.		
NOY, Galveston, Texas. 200 watts.		
NOZ, Port Townsend, Wash. 200 watts.		
....., Yaquina Bay, Ore. U. S. C. G.		
YDK5, Semarang, N. E. I. Radio Vereniging Midden-Java.	111.13 m.	2.698 mgs.
NMD, Cleveland, Ohio. 200 watts.		
NMP, Wilmette, Ill. 200 watts.		
NMQ, Buffalo, N. Y. 200 watts. U. S. Coast Guard.		
NOR, Sault Ste. Marie, Mich. 200 watts.		
....., Arena Cove, Calif. Works NMC. U. S. C. G.		
YDK5, Semarang, N. E. I. Radio Vereniging Midden-Java.	110.63 m.	2.710 mgs.
KITW, San Gabriel Dam No. 2, Calif. 200 watts.	109.98 m.	2.726 mgs.
KIUX, Tuljunga Dam No. 1, Calif. Address KIIV above.		
KIIV, Los Angeles, Calif. 400 watts. Address KIIV above.		
KINT, Portable, Los Angeles County, Calif. 50 watts. Address above.		
KIJY, Hood River, Ore. 100 watts. Special emergency station owned by Crag Rats, Inc., a mountaineering organization.	109.90 m.	2.728 mgs.
KIJZ, Portland in Oregon. See above.		
YD06, Sourabaya, Java, N. E. I. Aigemeene Radio-vereniging Oost-Java, Lombokstraat 1.	108.82 m.	2.730 mgs.

SHORT WAVE STATIONS BY FREQUENCIES

KIJR, Port San Juan, Alaska. Works KIJP, KIJU.		
KIJU, Todd, Alaska. Works KIJR, KIJP. Peril Straits Packing Co.		
WNFJ, M. S. Sunset. Alaska Southern Packing Co., Kenai, Alaska.		
2.984 mgs.	100.14 m.	
KAFF, Jack Wade, Alaska. 40 w. Territory of A.		
KDY, Pillar Bay, Alaska. Fidsalgo Island Packing Co.		
KIEJ, Poorman, Alaska. 50 watts. Owner: W. N. Growden.		
KIJJ, Tanana, Alaska. Northern Commercial Co.		
KIJK, Circle, Alaska. 50 watts. Phones Fairbanks and Anchorage. Northern Commercial Co.		
KIIL, Fort Yukon, Alaska. 50 watts. See KIHK above.		
KIIM, Eagle, Alaska. 50 watts. See KIHK above.		
KIIO, McGrath, Alaska. 50 watts. See KIHK above.		
YDK2, Semarang, N. E. I. Owner: Wels.		
3.200 mgs.	93.69 m.	
KBAL, North Bend, Wash. Forestry.		
KBAP, Seattle, Wash. Forestry.		
KBCC, Mt. Shasta, Calif. Forestry.		
3.210 mgs.	93.40 m.	
YDLS, Djokjakarta, N. E. I. Owner: Helant Muller.		
3.230 mgs.	92.82 m.	
YDQ4, Malang, N. E. I. Owner: Radinova.		
3.250 mgs.	92.25 m.	
YDHS, Garoet, Java, N. E. I. Bandoeng Radio Vereniging.		
3.265 mgs.	91.83 m.	
KAEB, Hydrburg, Alaska. 40 w. Territory of A.		
KIBZ, Waterfall, Alaska. Nakat Packing Corp.		
KICE, Nakeen, Alaska. Nakat Packing Corp.		
KIDG, Union Bay, Alaska. Nakat Packing Corp.		
KIGE, Hidden Inlet, Alaska. Nakat Packing Corp.		
KIKY, Saldovia, Alaska. 40 watts. Adam W. Lipke.		
3.270 mgs.	91.69 m.	
YD4T, Pekalongan, N. E. I. 15 watts.		
YDJZ, Pekalongan, N. E. I. Owner: V. Wingen.		
3.290 mgs.	91.13 m.	
YD03, Soerabaja, N. E. I. Owner: Radio Electric.		
3.300 mgs.	90.85 m.	
CZV, Waterloo Mine, B. C. Waterloo Gold Mines Ltd.		
KBAT, Olympia, Wash. Forestry.		
KBAU, Quilcene, Wash. Forestry.		
KBCQ, Boise, Idaho. Forestry.		
YDGT, Batavia, Java, N. E. I. Owner: Planohandel Kok.		
3.310 mgs.	90.58 m.	
YHD4, Bandoeng, Java, N. E. I. Owner: Luyks.		
3.320 mgs.	90.31 m.	
YDM2, Tjopoe, N. E. I. Radio Vereniging.		
3.330 mgs.	90.04 m.	
YDVZ, Bandjermasin, Borneo, N. E. I. Owner: Eureka.		
3.340 mgs.	89.77 m.	
CGD, Drummondville, P. Q. Private station of Canadian Marconi Co., P. O. Box 1690, Montreal, P. Q.		
CGM, Montreal, P. Q. Private CMC station. Address CGD above.		
3.345 mgs.	89.63 m.	
SP33, Weaverville, Calif. Forestry.		

SHORT WAVE STATIONS BY FREQUENCIES

4.820 megs.	GDW, Rugby, England. Phones N. Y. Engineer-In-Chief, GPO, (Radio Section), Armour House, St. Martins Le Grand, London EC1.	5.405 megs.	VXX, Sage Creek, B. C. N. W. Telephone Co., 768 Seymour St., Vancouver.
4.840 megs.	CZV, Waterloo Mines, B. C. Waterloo Gold Mines, Inc.	5.415 megs.	FAF, Flumicino, Italy. 5 kW.
4.865 megs.	CGT, Campbell River, B. C. North-West Telephone VDO, Vancouver, B. C. 400 w. North-West Telephone Co., 768 Seymour St.	5.435 megs.	LSH, Buenos Aires, Argentina. Compania Radiotelegrafica Arg., San Martin 301-329.
4.875 megs.	RAF, Moscow, USSR. 20 kW.	5.440 megs.	RSN, Sverdlovsk, USSR. 10 kW.
4.975 megs.	GBC, Rugby, England. 5 kW. Phones ships. Address GDW, 4.820 megs.	5.490 megs.	ROI, Sverdlovsk, USSR. 15 kW.
4.985 megs.	WWAD, S. S. Violet. Works Lighthouses on Great Lakes.	5.505 megs.	WQN, Rocky Point, N. Y. Address WDG; 4,535 megs.
5.000 megs.	WWV, Beltsville, Md. 1 kW. Standard frequency service, Wed., 1430-1530. Nat'l Bureau of Standards, Washington, D. C.	5.520 megs.	T15HH, San Ramon, Costa Rica. 200 w. "La Voz de San Ramon," Address Sres. Herrera. Daily 1530-1700; 2000-2130.
5.015 megs.	IS3, Bolling Field, Va. United States Army airport.	5.540 megs.	VXU, Regina, Sask. Dept. of Natural Resources, Govt. of the Province of Sask.
5.025 megs.	ZFA, St. George (Hamilton) Bermuda. 1.5 kW. Phones WOB nights.	5.550 megs.	VXV, Hudson Bay Junction, Sask. Address VXU VXW, Portable. Address VXU above.
5.040 megs.	RIR, Tiflis, USSR. 4 kW.	5.560 megs.	IZRO, Rome (Italy). Ente Italiano per le Audizioni Radiotelevisive, Via Montelio 6, Rome.
5.078 megs.	WCN, Lawrenceville, N. J. Works GDW nites. AT&T, 32 Sixth Ave., N. Y. C.	5.580 megs.	CFD, Kenora, Ont. 150 watts. Ont. Dept. of Lands and Forests.
5.138 megs.	K110, McGrath, Alaska, Northern Commercial Co.	5.595 megs.	CFJ, Red Lake, Ont. Address CFD above.
5.140 megs.	PMY, Bandoeng, N. E. I. 600 watts. Bandoeng Radio Vereeniging, Nilimby Bldg., Bandoeng. 0040-0240; 0640-0940.	5.705 megs.	CFN, Slate Creek, B. C. Consolidated Mining & Smelting Co. of Canada, Ltd.
5.188 megs.	W4XB, Big Pine Key, Fla.	5.710 megs.	CFU, Rossland, B. C. Address CFN above.
5.260 megs.	YDU3, Medan, Sumatra, N. E. I. Owner: Meyer.	5.720 megs.	JDZ, Darien, Works JVV Nazaki.
5.265 megs.	WQN, Rocky Point, N. Y. Address WDG, 4.535 megs.	5.725 megs.	TGS, Guatemala City, Guat. 200 w. "de la Casa Presidencial."
5.300 megs.	ZFO, Cat Cay, Bahamas. 50 watts. Address ZFS, 4.512 megs.	5.730 megs.	YV1ORSC, San Cristobal, Venezuela. "La Voz de Tachira," Jesus N. Diaz, Gonzalez.
5.375 megs.	RSB, StaUnsk, USSR. 2 kW.	5.770 megs.	IZRO, Rome Italy. Address EIAR. 5,550 megs.
5.400 megs.	CGP, Prince Rupert, B. C. North-West Telephone Co., 768 Seymour St., Vancouver.	5.780 megs.	JVV, Nazaki, Japan. Works JIA, JIB, JIC at Taiwan. Address: Kokusai-Denwa Kaisha, Ltd., Osaka Bldg., Kojimachiku, Tokyo.
5.435 megs.	CZQ, Anyox, B. C. Address CGP above.	5.785 megs.	KZGF, Manila, P. I. Inter-Island phone. Philippine Long Distance Telephone Co.
5.498 megs.	HAT, Szekesfehervar, Hungary. 6 kW. "Justice for Hungary!" Announcements French, English, Hungarian by lady. Address: Magyar Kiralyi Postakiserleti Allomas, 1X Kerulet Gyali Ut 22, Budapest, Hungary.	5.790 megs.	CMB2, Havana, Cuba. Cuba Transatlantic Radio Corp.
5.512 megs.	HJAT, Cucuta, Colombia. Colombian Petroleum Corporation.	5.800 megs.	OAXAD, Lima, Peru. "Radio DUSA," interval sig: 2 cuckoo. "The Voice of Peru." Sign off: "A Perfect Day." All America Cables, Box 2336. Wed., Sat., 2100-2330.
5.518 megs.	HJZABC, Cucuta, Colombia. 250 watts. "La Voz de Cucuta." Interval sig: chimes C-D-E-F-C. Address, J. Alejandro Sanchez. Week days, 1100-1200; 1830-2100.	5.810 megs.	JVV, Nazaki, Japan. 10 kW. Works JJA-B-C. Address JVV, 5.730 megs.
5.585 megs.	HIX, Trujillo, D. R. Mr. J. R. Saladin, Director HIX. Trujillo, P. R. Fri., 2000-2200.	5.820 megs.	IZRO, Rome Italy. Address EIAR. 5,550 megs.
5.595 megs.	HJZABD, Bogota, Colombia. 670 w. Sr. Hector McCormick, Calle Za, No 1208.	5.830 megs.	JVV, Nazaki, Japan. Works JIA, JIB, JIC at Taiwan. Address: Kokusai-Denwa Kaisha, Ltd., Osaka Bldg., Kojimachiku, Tokyo.
5.995 megs.	XEVI, Mexico City, D. F. Apartado 2874.	5.835 megs.	IZRO, Rome Italy. Ente Italiano per le Audizioni Radiotelevisive, Via Montelio 6, Rome.
5.995 megs.	RPT, Tashkent, USSR. 1 kW.	5.840 megs.	CFD, Kenora, Ont. 150 watts. Ont. Dept. of Lands and Forests.
5.995 megs.	WVD, Seattle, Wash. 500 watts. Phones Alaska. Alaskan Telephone Co., 317 Federal Office Bldg., Seattle.	5.845 megs.	CFJ, Red Lake, Ont. Address CFD above.
5.995 megs.	..... "Radio-Tananarive," Tananarive, Madagascar. Theme song: Ramona. 500 watts. Administration des Postes des Telegraphes et des Telephones. Sun., 0230-0400; daily exc. Sun. and Mon., 0300-0345.	5.850 megs.	CFN, Slate Creek, B. C. Consolidated Mining & Smelting Co. of Canada, Ltd.
5.995 megs.	RV55, Moscow, USSR. 20 kW. Kremlin chimes at 4 p.m. EST. sign off: l'Internationale. Add: Inna Marr, Central Radio Committee, Petrovka 12, Moscow.	5.855 megs.	CFU, Rossland, B. C. Address CFN above.
6.000 megs.	TGWA, Guatemala City, Guat. 300 w. "Radio Nacional" Relays TGW. address: Ministerio de Fomento.	5.860 megs.	JDZ, Darien, Works JVV Nazaki.
6.005 megs.	XEBT, Mexico City, D. F. 1kW. Interval sig: cuckoo, fooster, bugle, auto horn, fire bell, Relays XEB. Add: El Buen Tono S. A., Apartado 79-44. Daily 1000 to 0115.	5.865 megs.	TGS, Guatemala City, Guat. 200 w. "de la Casa Presidencial."
6.006 megs.	XGOX, Nanking, China (proposed). Administration of Central Broadcasting Stations, Central Executive Committee of Kuomintang, Nanking.	5.870 megs.	YV1ORSC, San Cristobal, Venezuela. "La Voz de Tachira," Jesus N. Diaz, Gonzalez.
6.006 megs.	ZEC, Salisbury, South, Rhodesia. 500 w.	5.875 megs.	IZRO, Rome Italy. Ente Italiano per le Audizioni Radiotelevisive, Via Montelio 6, Rome.
6.005 megs.	VE9DN, Drummondville P. Q. Canadian Marconi Co., P. O. Box 1690, Montreal.	5.880 megs.	CFD, Kenora, Ont. 150 watts. Ont. Dept. of Lands and Forests.
6.006 megs.	VE9DR, Montreal, P. Q. Address VE9DN above.	5.890 megs.	CFJ, Red Lake, Ont. Address CFD above.
6.010 megs.	HJ1ABJ, Santa Marta, Colombia. 50 watts. "La Voz de Santa Marta." Member Cadena Indio-Americana. Sr. Julio A. Sanchez T.	5.895 megs.	CFN, Slate Creek, B. C. Consolidated Mining & Smelting Co. of Canada, Ltd.
6.010 megs.	COCO, Havana, Cuba. 300 w. P. O. Box 98.	5.899 megs.	CFU, Rossland, B. C. Address CFN above.
6.012 megs.	HJ1ABC, Quibdo, Colombia. 100 w. "La Voz del Choco." Direccion de Educacion.	5.900 megs.	JDZ, Darien, Works JVV Nazaki.
6.012 megs.	HJ3ABH, Bogota, Colombia. 1.2 kW. "La Voz de la Victor." Member, Cadena Indo-Americana. Add: Manuel J. Gaitan, Almacenes Victor, Apartado 565. Sun., 1200-1400; 1600-2100. Other days, 1130-1400; 1800-2300.	5.905 megs.	TGS, Guatemala City, Guat. 200 w. "de la Casa Presidencial."
6.020 megs.	DJC, Zeesem, Germany. 8 kW. Programs close with "Deutschland Ueber alles" and "Horst Westellied." Programs preceded by a music box tune, "Ever be True and Honest." Add: Reichs-Rundfunk-Gesellschaft, Haus des Rundfunks, Masurenallee, Berlin-Charlottenburg 9.	5.910 megs.	IZRO, Rome Italy. Address EIAR. 5,550 megs.

SHORT WAVE STATIONS BY FREQUENCIES

5.795 megs.	KZGH, Iloilo, P. I. (Iloilo Island). Inter-Island phone. Philippine Long Distance Tele. Co.	51.74 m.	Inter-Island phone. Philippine Long Distance Tele. Co.
5.800 megs.	YV2RC, Caracas, Venezuela. 1kW. "Broadcasting Caracas," "La Habla a la Nacion." Int. sig: 4 chimes, sign off: "March 18C." address: Apartado 2009.	51.69 m.	
5.810 megs.	YV7RM, Maracaibo, Venez. "Radiodifusora Maracaibo."	51.60 m.	
5.815 megs.	HCK, Quito, Ecuador.	51.56 m.	
5.820 megs.	CEC, La Granja (Santiago) Chile. Compania Inter-nacional de Radio, Casilla 16-D, Santiago de Chile.	51.52 m.	
5.825 megs.	TIGPH, San Jose, Costa Rica. "Alma Tica."	51.47 m.	
5.830 megs.	HJA2, Bogota, Colombia.	51.43 m.	
5.830 megs.	KZGG, Cebu, Isl. of Cebu, P. I. Inter-Island phone.	51.43 m.	
5.835 megs.	WQN, Rocky Point, N. Y. R. C. A. Central Frequency Bureau, 66 Broad St., New York City.	51.43 m.	
5.835 megs.	CWD, Montevideo, (Cerrito), Uruguay. 1.5 kW.	51.43 m.	
5.835 megs.	JZC, Shinkio (Kanjosi) Manchukuo. 20 kW. Works JVI, JVO, JVV. Address: Manchukuo Telephone & Telegraph Co., Ltd.	51.43 m.	
5.840 megs.	WOB, Lawrenceville, N. J. A. T. & T., Long Lines Dept., 32 Sixth Ave., N. Y. C.	51.25 m.	
5.845 megs.	YV5RMO, Maracaibo, Venezuela. "Ecos del Caribe," (member Cadena Indo-Americana). One going precedes station announcement. Programs close with Blue Danube March. Address: Sr. Santiago M. Vegas, Apartado 224. Daily exc. Sun., 1130-1500; 1730-2130.	51.25 m.	
5.845 megs.	HRN, Tegucigalpa-Honduras. 400 w. "La Voz de Honduras." Daily 2000-2200.	51.25 m.	
5.850 megs.	ETG, Addis Ababa, Ethiopia. 3.5 kW. Frank Hammar, Chief Engineer, Box 283.	50.39 m.	
5.850 megs.	YV8RB, Barquisimeto, Venezuela. "La Voz de Lara."	50.39 m.	
5.850 megs.	JIC, Taihoku (Chureki) Taiwan. Works JVG, JVI, JVV.	50.30 m.	
5.855 megs.	HJ1ABE, Medellin, Colombia. 1 kW. (Relays HJ1ABK) "La Voz de Antioquia." Owner: Jose M. Acevedo F. 3 chimes precede announcement.	50.27 m.	
5.855 megs.	TG2X, Guatemala City, Guat. 200 w. "Policia Nacional."	50.27 m.	
5.860 megs.	H1IJ, San Pedro de Macoris, D. R. 40 w. 5/8 All I do is Dream of You. Fausto M. Domastory, Aptdo. 204.	50.26 m.	
5.870 megs.	HVJ, Vatican City. 10 kW. Interval sig: clock ticking for 10 minutes preceding admission; bells of St. Peters at 3 o'clock. Announcement: "Laudatur Jesus Christus." Talk as follows: Mon. Italian; Tues. English; Wed. Spanish; Thurs. French; Fri. German; Sat., Dutch; Sun., Latin. Address: Stazione	50.22 m.	

SHORT WAVE STATIONS BY FREQUENCIES

XEUW, Veracruz, Mexico, 50 w. "El eco de Sotavento des de Veracruz." Radiodifusora Comercial XEU, Independencia 98.	6.030 megs. 49.72 m.
HP5B, Panama City, Panama, 100 watts. "Estacion Miramar", Address: Estacion Radiodifusora Miramar de la Radio Panama S. A., Apartado 910. Daily, 1900-2200.	6.080 megs. 49.31 m.
VE3CA, Calgary, Alta. 100 watts. "The Voice of the Prairie." Add: Voice of P., Ltd., Calgary, Thurs., 0900-0200; Sun., 1200-2400; other days, 0900-2400.	6.040 megs. 49.64 m.
PRA8, Pernambuco, Brazil, 3 kW. "A Voz de Norte" Radio Club Pernambuco, Ave. Cruz Cabanga 334.	6.375 megs. 47.03 m.
W1XAL, Boston, Mass. Address: Educational Director, University Club, Boston. Tues., Thurs., 1930-2130; Sun., 1700-1900.	6.330 megs. 47.36 m.
W4XB, Miami, Fla. (transmitter on Collins Island). Broadcasting Co. Sun., 1130-1500; 1700-2400. Weekdays, 1200-1400; 1730-2400.	6.400 megs. 49.62 m.
YDA, Tandjongprieok, N. E. I. 10 kW. Key Station, Niroom Network. N. V. Niderlandische Indische Radio Omroep Moetschap, Koningsplein West 5, Batavia-Centrum, Java, N. E. I. 0530-1100; 1745-1845; 2230-0130.	6.050 megs. 49.56 m.
HJ1ABG, Barranquilla, Colombia, 150 watts. "Emisora Atlantico." Member, Cadena Indio-Americana. Interval sig: 4-note chime. Address: Sr. Andres Jimeno, Apartado 445.	6.410 megs. 46.77 m.
GSA, Daventry, England. 20 kW. "A for Aerial." Interval sig: Bow Bells and Big Ben. Sign off: God Save the King. British Broadcasting Corp., Broadcasting House, London W. 1, England.	6.425 megs. 46.66 m.
HJ1ABD, Medellin, Colombia. "La Voz de Catia." OXY, Skamlebaek, Denmark (Copenhagen). 500 w. Chimes at 6 p.m. EST. Add: Harold J. Rud, Press Secretary, Statsradiofonien, Heibergsgade 7, Copenhagen. Daily 1300-1830.	6.440 megs. 46.56 m.
VQ7LO, Nairobi, Kenya Colony. Cable & Wireless Ltd. Box 777. Tues., 0300-0400; Mon., Wed., Fri., 0545-0615; Thurs., 0800-0900; Sat., 1100-1530; daily exc. Sat., 1100-1400.	6.450 megs. 46.85 m.
W3XAU, Philadelphia (Newton Square), Pa. Relays WCAU, CBS, WCAU Building, 1622 Chestnut St. 2100-2300.	6.400 megs. 46.85 m.
W8XAL, Cincinnati (Wason), Ohio. 10 kW. Relays NBC-WLW. Crosley Radio Corp., 1329 Arlington St. Daily exc. Sun., 0630-2000; Sun., 0800-2000; daily exc. Sat., 2300-0200; Sat., 2300-0300.	6.420 megs. 46.66 m.
ZHI, Singapore, Straits Settlements. 180 watts. Technical Director, Radio Service Co. of Malaya, Broadcast House 2 and 4, Orchard Road. Sat., 2300-0130; Mon., Wed., Thurs., 0600-0830.	6.450 megs. 46.48 m.
HH12F, Port au Prince, Haiti. 49.43 m.	6.450 megs. 46.48 m.
HH12S, Port au Prince, Haiti. Societe Haitienne de Radiodiffusion, Boite 103.	6.070 megs. 49.39 m.
VE9CS, Vancouver, B. C. 2-10 watts. Radio Service Engineers Ltd., 734 Davie St. Daily 2000-2200.	6.450 megs. 46.20 m.
CQN, Macau, 500 watts. Anni Portuguese and English. Mon., Fri., 0300-0500.	6.072 megs. 49.37 m.
OER2, Vienna, Austria. 1.5 kW. Oesterr. Radioverkehrs A. G., Wien I, Johannessenasse 4b. Sat., 0900-1800; Sun., silent; other days, 0900-1700.	6.130 megs. 48.91 m.
CP5, La Paz, Bolivia. "Radio Iliriani." Compania Radio Boliviana, Casilla 637. Daily, 2000-2100.	6.145 megs. 48.79 m.
DJM, Zeesom, Germany. Address: DJC, 6.020 megs. HJN, Bogota, Colombia. Sr. Luis Ramirez Arana, Jefe del Servicio de Inalambricos, Ministerio de Correos y Telegrafos.	6.147 megs. 48.78 m.
HP5F, Colon, Panama. 100 watts. Relays NBC-WFGL. W9XAA, Chicago, Ill. 500 watts. Relays NBC-WFGL. Daily exc. Sun., 0330-1900; Sun., 1130-2100. M. Raynaud, 14 Marquardt, Chicago Federation of Labor, 666 Little Shore Drive.	6.140 megs. 48.83 m.
ZHI, Penang, Straits Settlements. 49 watts. Hon. Secy., Penang Wireless Society, 40 Perak Road. Daily exc. Sun., 0840-0840.	6.145 megs. 48.79 m.
I2RO, Rome, Italy. Address EIAR, 5.530 megs.	6.145 megs. 48.79 m.
CRCX, Toronto, Ont. 1 kw. Relays Canadian Radio Centre-CRCX. Address: R. R. No. 4, Daily 1830-2330.	6.147 megs. 48.78 m.
VE9BJ, St. John, N. B. 50 watts. C. A. Munro, Ltd. Canterbury Street.	6.150 megs. 48.75 m.
HJ4AB, Manizales, Colombia. 150 watts. "L for Lady." "Ecos del Occidente." Chimes at midnight. Apartado 50. Sat., 2300-0100.	6.150 megs. 48.75 m.
W3XAL, Bound Brook, N. J. 20 kW. N.B.C., 30 Rockefeller Plaza, N. Y. C. Relays NBC-WJZ. s/o "Star Spangled Banner." Relays W9XF, Chicago (Downers Grove), Ill. 5 kW. Relays NEC-WENR, N. B. C., Merchandise Mart, Chicago.	6.145 megs. 48.79 m.
ZTJ, Johannesburg, U. of So. Africa. 5 kW. African Broadcasting Co., Box 4555, Johannesburg.	6.147 megs. 48.78 m.
CHNX, Halifax, N. S. Maritime Broadcasting Co., Ltd., Box 998.	6.150 megs. 48.75 m.
GSL, Daventry, England. "L for Liberty." Int. sig: Bow Bells and Big Ben. Sign off: God Save the King. Address GSA, 6.050 megs. Daily, 2200-2300.	6.150 megs. 48.75 m.
HJ4ABB, Manizales, Colombia. 300 watts. "Radio Manizales." Sr. Ernesto Villegas.	6.145 megs. 48.79 m.
VUC, Calcutta, India. Indian State Broadcasting Service, 1 Garstin Place.	6.147 megs. 48.78 m.
HJ1ABE, Cartagena, Colombia. 180 watts. "La Voz de los Laboratorios Fuentes." Address: Laboratorios Fuentes L., Apartado 31.	6.147 megs. 48.78 m.
W2XE, New York, N. Y. (Wayne, N. J.) 10 kW. Relays CBS-WABC. Columbia Broadcasting System, 485 Madison Ave. at 52nd St., N. Y. C. s/o Star Spangled Banner.	6.150 megs. 48.75 m.
XEFT, Veracruz, Ver. 20 w. "La Voz de Veracruz." Jose Rodriguez Lopez, Manager, Av. Independencia 28.	6.150 megs. 48.75 m.
YDAS, Bandung, Java, N. E. I. 1.5 kW. N. V. Niderlandische Indische Radio Omroep Moetschap, Tegalaloe 0.23, Bandoeng. 0530-1100; 1745-1845; 2230-0130.	6.150 megs. 48.75 m.
ZGE, Kuala Lumpur, Federated Malay States. 180 watts. Hon. Secy., the Malayan Amateur	6.125 megs. 48.95 m.

SHORT WAVE STATIONS BY FREQUENCIES

Radio Society, Mercantile Bank Bldg., K. L. Sun., Tues., Fri., 0640-0840.	6.315 megs. 47.48 m.
H1Z, Trujillo, D. R. 100 watts. "La Voz de los Muchachos." Frank Hatton, Calle Duarte No. 68. Sat., 2300-0100; daily exc. Sun., 1700-1800.	6.330 megs. 47.36 m.
JZG, Nakaki, Japan. 10 kW. Works ships, Kokusai-Denwa Kaisha, Ltd., Osaka Bldg., Kojimachiku, Tokyo.	6.356 megs. 47.17 m.
HRP1, San Pedro Sula, Honduras. 47.17 m.	6.375 megs. 47.03 m.
YVARC, Caracas, Venezuela. "Ecos del Avila." Member: Cadena Indo-Americana. Address: Estacion SAR, Este 10, Bis No. 71, Caracas. Daily, 1630-2230.	6.385 megs. 46.94 m.
H13U, Santiago, D. R. "La Voz del Comercio."	6.385 megs. 46.94 m.
W09, Mitchell Field, Mineola, Long Island. Army airport.	6.400 megs. 46.85 m.
WTR, Albrook Field, Canal Zone. Army airport.	6.410 megs. 46.77 m.
YV9RC, Caracas, Venez. "Ondas Populares." Teatro Municipal, calle Este 8.	6.425 megs. 46.66 m.
TIPG (T12PG), San Jose, Costa Rica. 1 kW. "La Voz de la Victor." Perry Gilton, Apartado 224. Sun., 0600-0700; 1100-2230. Weekdays, 1100-1300; 1730-2230.	6.440 megs. 46.56 m.
CZG, Prince Rupert, B. C. B. C. Provincial Police. VE3AS, Fredericton, N. B. Address, C/o Electrical Engineering Dept., University of New Brunswick, Merchandise Mart.	6.445 megs. 46.52 m.
VKI, Selfridge Field, Mt. Clemens, Mich. Army airport.	6.447 megs. 46.50 m.
W3XL, Bound Brook, N. J. 100 kW. NBC Control station and cue station for nearly all special "stunt" broadcasts. Address NBC, 30 Rockefeller Plaza, N. Y. City.	6.450 megs. 46.20 m.
W9XB, Chicago (Downers Grove), Ill. 2.5 kW. NBC, Merchandise Mart.	6.450 megs. 46.48 m.
W9XF, Chicago (Downers Grove), Ill. 2.5 kW. NBC. Merchandise Mart.	6.450 megs. 46.48 m.
RTA, Novosibirsk, USSR. 15 kW.	6.450 megs. 46.48 m.
PDI, Maxwell Field, Montgomery, Ala. Army airport. PEZ, Wright Field, Dayton, Ohio. Army airport.	6.450 megs. 46.20 m.
HJ1ABE, Barranquilla, Colombia. 300 watts. "La Voz de Barranquilla." Relays HJ1ABA. Address: Elias J. Pellet B., Apartado 715. Daily, 1700-2200.	6.450 megs. 46.48 m.
H1AV, Trujillo, D. R. "La Voz de la Marina." Aptdo. 771.	6.450 megs. 46.48 m.
HJ1ABC, Ibaque, Colombia. "Ecos de Combeima." Mario M. Barrios, Aptdo. 39.	6.450 megs. 46.20 m.
HJ5ABD, Cali, Colombia. "La Voz del Valle." Apartado 278. Thurs., Sat., Sun., 1900-2100.	6.500 megs. 46.13 m.
H1L, Trujillo, D. R. Mr. J. C. Pellicer, Box 623.	6.500 megs. 46.13 m.

SHORT WAVE STATIONS BY FREQUENCIES

H14D, Trujillo, D. R. "La Voz de Quisqueya." 1300-1340; 1640-1940; daily ex. Sun.	Corp. of A., Central Frequency Bureau, 66 Broad St., N. Y. City.	6.520 megs.	45.98 m.
YV6RV, Valencia, Carabobo, Venezuela. "La Voz de Carabobo." Srs. Hermann y Williams Degwitz.	CFU, Roslandt, B. C. Consolidated Mining & Smelting Co.	6.720 megs.	44.62 m.
TIRCC, San Jose, Costa Rica. 500 watts. "Radioemisor Catolica Costaricensis." Box 1064.	WQO, Rocky Point, N. Y. Address VDB, 6.718 megs.	6.735 megs.	44.53 m.
CWE, Cerrito (Montevideo) Uruguay. 1.5 kW.	KEQ, Kahuku, Oahu, Hawaii. Works California.	6.750 megs.	44.42 m.
KIKL, Los Angeles, Calif.	JVT, Nazaki, Japan. 20 kW. Works Dixon and broadcast. Address JZG, 6.330 megs.	6.755 megs.	44.38 m.
WMEP, Surfside, Ohio. 400 watts. Airways.	WOA, Lawrenceville, N. J. A. T. & T., Long Lines Dept., 32 Sixth Ave., N. Y. City.	6.760 megs.	44.35 m.
WMEU, St. Petersburg, Fla. 400 watts. Airways.	CJAS, Drummondville, P. Q. Address VESDN, 6.005 megs.	6.790 megs.	44.15 m.
WMEV, Opa Locka, Fla. (Goodyear Zeppelin Base). 400 watts.	GDB, Rugby, England. Address GDW, 4.820 megs.	6.796 megs.	44.12 m.
WNEK, Jackson Heights, L. I.	HHH, San Pedro de Moris, D. R. 150 W. "La Voz del Higuamo." Sr. Domingo Dominguez.	6.860 megs.	43.71 m.
WVD, Seattle, Wash. Phones Alaska. Alaskan Telephone Co., 517 Federal Office Bldg.	KEL, Rollins, Calif. RCA Communications, Inc. Pacific Division, 28 Geary St., San Francisco, Calif.	6.870 megs.	43.64 m.
PRADO, Riobamba, Ecuador. "Estacion El Prado." Member Cadena Indo-Americana. Apartado 36. Thurs., 2100-2330 and other nights irregularly.	RKF, Moscow, USSR. 20 kW.	6.880 megs.	43.58 m.
EG7, Langley Field, Va. Army airport.	CGAT, Drummondville, P. Q. Address VESDN, 6.005 megs.	6.900 megs.	43.45 m.
WYV, Patterson Field, Ohio. Army Airway.	RKF, Moscow, USSR. 20 kW.	6.905 megs.	43.42 m.
HC2RL, Guayaquil, Ecuador. "Quinta Piedad." Address: Dr. Roberto Levi, Apartado 759. Tues., 2114-2314; Sun. 1745-1945.	GDS, Rugby, England. 15 kW. Phones N. Y. nights Address GDW, 4.820 megs.	6.935 megs.	43.23 m.
IAC, Coltano, Italy. 14 kW. Works ships. Address IAC, 4.355 megs.	WEB, Rocky Point, N. Y. Works Paris. Address WDB, 6.718 megs.	6.950 megs.	43.13 m.
This frequency has been assigned to certain SHIPS but it is not known whether or not voice is used. Reports from readers of actual VOICE reception are requested.	JVS, Nazaki, Japan. Works Shanghai. Address JZG, 6.330 megs.	7.000 megs.	7.300 m.
WXH, Ketchikan, Alaska. Phones Seattle.	Foreign amateurs use phone in this band. USA, code only.	7.005 megs.	42.80 m.
ZP10, Asuncion, Paraguay.	HB9H, Berne, Switzerland. Swiss Shortwave Association, 30 Neugasse, Berne. First Monday each month, 1500-1615.	7.080 megs.	42.35 m.
YVQ, Maracay (Santa Rita), Venezuela. Address: Estados Unidos de Venez., Servicio Radio-telegrafico.	VP3MR, Georgetown, Br. Guiana. "The Voice of Guiana." Sun., 0745-1013; Mon., 1345-1645; Thurs., 1700-1845; Mon., Wed., Sat., 1845-1945.	7.090 megs.	42.29 m.
6.672 megs.	44.94 m.	7.095 megs.	42.29 m.
6.675 megs.	44.91 m.	7.095 megs.	42.29 m.
DGK, Nauen, Germany. Address: Reichspostzentralamt, Telegraphentechnisches Reichsamtschoneberger Strasse 11-15, Berlin-Tempelhof.	6.690 megs.	44.82 m.	44.62 m.
CGA6, -Drummondville, P. Q. Address VE9DN, 6.005 megs.	6.710 megs.	44.68 m.	44.62 m.
TIEP, San Jose, Costa Rica. "La Voz del Tropico." Sr. Eduardo Pinto Hernandez, Apartado 257. Member: Cadena Indo-Americana. Daily, 1900-2200.	6.718 megs.	44.62 m.	44.62 m.
KBK, Manila, P. I. 50 kW. Radio Corp. of the Philippines, Plaza Moraga, Manila.	WDB, Rocky Point, N. Y.	7.095 megs.	42.29 m.

SHORT WAVE STATIONS BY FREQUENCIES

7.175 megs.	41.78 m.	7.575 megs.	35.58 m.
CR6AA, Lobito, Portuguese West Africa. "Radio Eddystone." The Manica Trading Co., Ltd., Caixa Postal 118, Lobito.	XGO, Shanghai, China. Chinese Govt. Radio Administration, Sassoon House, Jinkoo Road.	7.610 megs.	39.40 m.
HATZ, Szekesfehervar, Hungary. 6 kW. "Justice for Hungary!" Announcements Hungarian, French, English by lady. Address: Magyar Kiralyi Postakiszlet Allomas, IX Kerulet Gyaly Ut 22, Budapest.	KWX (WXN), Dixon, Calif. Address KWX, 7.565 megs.	7.620 megs.	39.35 m.
ETD, Addis Ababa, Ethiopia. 2 kW. Frank A. Hammar, Chief Wireless Engineer, Dept. of Communications.	RIM, Tashkent, USSR. Works RKI, 20 kW.	7.626 megs.	39.32 m.
YBZ, Monado, Celebes, N. E. I. Works PNI, Macassar. Address: Mr. H. Van der Veen, Engineer-in-charge, Post-Telegraaf Telefoondienst, Bedrijf der Radiostations op Java, Bandoeng.	YBZ, Monado, Celebes, N. E. I. Works PNI, Macassar. Address: Mr. H. Van der Veen, Engineer-in-charge, Post-Telegraaf Telefoondienst, Bedrijf der Radiostations op Java, Bandoeng.	7.685 megs.	39.01 m.
HJ3, Barranquilla, Colombia.	HJ3, Barranquilla, Colombia.	7.715 megs.	38.86 m.
TJR, Cartago, Costa Rica. Address: Compania Radigrafica Internacional de C. R., San Jose.	KEE, Bollinas, Calif. Address KEL, 6.860 megs.	7.740 megs.	38.74 m.
CEC, La Granja (Santiago) Chile. Address CEC, 5.820 megs.	CEC, La Granja (Santiago) Chile. Address CEC, 5.820 megs.	7.797 megs.	38.47 m.
HBP, Prangins (Geneva) Switzerland. 20 kW. "Radio Nations." Works USA and broadcasts. Programs consist of talks in English, French, Spanish. Address: M. G. Gallarati, Information Section, League of Nations, Geneva. Sat., 1730-1815.	HBP, Prangins (Geneva) Switzerland. 20 kW. "Radio Nations." Works USA and broadcasts. Programs consist of talks in English, French, Spanish. Address: M. G. Gallarati, Information Section, League of Nations, Geneva. Sat., 1730-1815.	7.820 megs.	38.34 m.
OCO, Lima (Valverde), Peru.	OCO, Lima (Valverde), Peru.	7.830 megs.	38.29 m.
HCZJB, Guayaquil, Ecuador. Interval sig.: one song.	HCZJB, Guayaquil, Ecuador. Interval sig.: one song.	7.860 megs.	38.05 m.
JYR, Kemikawa-Cho, Chiba-Ken, Japan. 5 kW. Experimental.	JYR, Kemikawa-Cho, Chiba-Ken, Japan. 5 kW. Experimental.	7.900 megs.	37.95 m.
VESEW, Toronto, Ont. J. E. Smith, 60 Rochester Ave.	VESEW, Toronto, Ont. J. E. Smith, 60 Rochester Ave.	7.920 megs.	37.86 m.
GCP, Rugby, England. Address GDW, 4.820 megs.	GCP, Rugby, England. Address GDW, 4.820 megs.	7.960 megs.	37.67 m.
VLZ (VK2ME), Pennant Hills (Sydney), N. S. W., Australia. 3.5 kW. Address: Amalgamated Wireless (A/asia) Ltd., 87 York St., Sydney.	VLZ (VK2ME), Pennant Hills (Sydney), N. S. W., Australia. 3.5 kW. Address: Amalgamated Wireless (A/asia) Ltd., 87 York St., Sydney.	7.968 megs.	37.63 m.
XGL, Shanghai, China. Address: XGO, 7.575 megs.	XGL, Shanghai, China. Address: XGO, 7.575 megs.	7.980 megs.	37.57 m.
HSP, Bangkok, Siam. 20 kW. Address Post and Telegraph Dept.	HSP, Bangkok, Siam. 20 kW. Address Post and Telegraph Dept.	8.020 megs.	37.38 m.
VLZ (VK2ME), Pennant Hills (Sydney), Australia. Address VLZ, 7.960 megs.	VLZ (VK2ME), Pennant Hills (Sydney), Australia. Address VLZ, 7.960 megs.	8.035 megs.	37.31 m.
HSJ, Bangkok, Siam. 20 kW. Address HSP, 7.968 megs.	HSJ, Bangkok, Siam. 20 kW. Address HSP, 7.968 megs.	8.035 megs.	37.31 m.
CNR, Rabat, Morocco. 12 kW. Phones Paris. Direction de l'Office des Postes, des Telegraphes et des Telephones du Maroc, Rabat.	CNR, Rabat, Morocco. 12 kW. Phones Paris. Direction de l'Office des Postes, des Telegraphes et des Telephones du Maroc, Rabat.	8.035 megs.	37.31 m.

SHORT WAVE STATIONS BY FREQUENCIES

WXA, Juneau, Alaska. Works WVD at 2400.	8.050 megs.	37.24 m.
IRF, Rome, Italy. Works N. Y. Secrete Italo Radio, Servizi Radiotelevisivi, Via Calabria No. 46-48, Roma 225, Italy.	8.070 megs.	37.15 m.
WEZ (W2XBJ), Rocky Point, N. Y. Works Paris.	8.075 megs.	37.13 m.
VLK, Pennant Hills (Sydney) Australia. Address VLZ, 7,960 megs.	8.095 megs.	37.04 m.
KTP, Manila, P. I. Phones Dixon near 1000. Address KBK, 6,718 megs.	8.120 megs.	36.92 m.
PSK, Rio de Janeiro (Marapicu) Brazil. Phones N. Y. and Buenos Aires, Companhia Radio Internacional do Brasil, Caixa Postal 709, Rio de Janeiro.	8.180 megs.	36.85 m.
WNED, Tampa, Fla. Pan American Airways, Inc. ZSV, Walvis Bay, Union of South Africa. 1 kW.	8.220 megs.	36.47 m.
RRD, Moscow, USSR. 20 kW.	8.225 megs.	36.45 m.
HSP, Bangkok, Siam. 20 kW. Address HSP, 7,968 megs.	8.396 megs.	35.71 m.
CWF, Montevideo (Carrite) Uruguay. 1.5 kW.	8.455 megs.	35.46 m.
DAF, Morden, Germany. Works ships. Address Hauptfunkstelle Norddeich, Norden-Land.	8.464 megs.	35.42 m.
JZF, Nazaki, Japan. 10 kW. Works ships. Address JZG, 6,330 megs.	8.500 megs.	35.47 m.
CZA, Drummondville, P. Q. Works ships. CMC, Box 1690, Montreal.	8.515 megs.	35.21 m.
WOO, Ocean Gate, N. J. 20 kW. Works ships. American Telephone & Telegraph Co., Long Lines Dept., 32 Sixth Ave., N. Y. C.	8.560 megs.	35.03 m.
WOY, Lawrenceville, N. J. 20 kW. Address WOO above.	8.565 megs.	35.00 m.
HAT3, Szekesfehervar, Hungary. 20 kW. "Justice for Hungary!" Announcement in Hungarian, French, English by lady. Address HAT2, 7,220 megs.	8.575 megs.	34.96 m.
TYD2, Pontois, France. Phones Rabat.	8.575 megs.	34.96 m.
WVD, Seattle, Wash. Works Alaska at 2400. Alaskan Telephone Co., 517 Federal Office Bldg., Seattle.	8.620 megs.	34.78 m.
HC2CW, Guayaquil, Ecuador. "Ondas del Pacifico."	8.625 megs.	34.76 m.
8.665 megs.	34.60 m.	
CO9JQ, Camaguey, Cuba. 150 watts. Rafael Grimany, Calle General Gomez No. 4.	8.680 megs.	34.54 m.
GBC, Rugby, England. Works ships. Address GDW, 4,820 megs.	8.690 megs.	34.50 m.
VWZ, Kirkee, Poona, India. 10 kW. Works also on freqs. 8,691, 8,693, 8,700 megs. Phones London.	8.708 megs.	34.43 m.
VWZ, Kirkee, Poona, India. 10 kW. Phones London.	8.710 megs.	34.42 m.
CEC, La Granja, (Santiago) Chile. 800 watts. Address CEC, 3,820 megs.	8.750 megs.	34.26 m.
ZBW, Hong Kong, 500 w. The Secy, Hong Kong Broadcasting Committee, P. O. Box 200.	8.770 megs.	34.19 m.
RSZ, Irtukht, USSR. 15 kW. Tests with RNE.	8.775 megs.	34.16 m.
PNI, Macassar, Celebes, N. E. I. 3 kW. Phones Bandaeng. Address YBZ, 7,680 megs.	8.790 megs.	34.11 m.
HJA3, Barranquilla, Colombia.	8.810 megs.	34.03 m.
FNSK, S. S. Normandie, Works Paris nights. French Lines, Pier 88, North River, Foot of W. 48th St., N. Y. C.	8.830 megs.	33.95 m.
SHIPS. For address of these ships refer to 4,413 megs., 4,415 megs and 4,430 megs. All these ships work with WOO. The German ships work also DAF; British ships with GBC and CZA; Furness-Bermuda ships with ZFA-B.		
DDBR, S. S. Berlin.		
DDCP, S. S. Cap Polonio.		
DDFF, S. S. Reliance.		
DDFT, S. S. Oceana.		
DHAD, S. S. Hansa		
DHDL, S. S. Cap Arcona.		
DHEY, S. S. Deutschland.		
DHJZ, S. S. Hamburg.		
DHRL, S. S. New York.		
DOAH, S. S. Bremen.		
DOAI, S. S. Europa.		
FNSK, S. S. Normandie. Works WOO nights. Address 8,810 megs.		
FNSM, S. S. Paris.		
FNTR, S. S. Ile de France.		
GBZW, S. S. Berengaria.		
GPW, S. S. Homeric.		
GPW, S. S. Rajestic.		
GMZ, S. S. Quilmanita.		
VQJM, S. S. Empress of Britain.		
VQJN, S. S. Monarch of Bermuda.		
VQJP, S. S. Queen of Bermuda.		
HCJB, Quito, Ecuador. 150 watts. "La Voz de los Andes." Interval sig.: 4 strokes on Gong. Address Clarence W. Jones, Casilla 651	8.900 megs.	33.69 m.
ZLS, Wellington, N. Z. Address Supt. of Post and Telegraphs. GPO.	8.930 megs.	33.57 m.
WAD, Rocky Point, N. Y. R. C. A., Central Frequency Bureau, 66 Broad St., N. Y. City.	8.950 megs.	33.55 m.
WEC, Rocky Point, N. Y. Address WAD above.	8.950 megs.	33.55 m.
8.940 megs.	33.54 m.	
KZGG, Cebu, Island of Cebu, P. I. Inter-Island phone, Philippine Long Distance Telephone Co.	8.940 megs.	33.54 m.
WKL, Rocky Point, N. Y. Address WAD, 8,930 megs.	8.950 megs.	33.50 m.
WEL, Rocky Point, N. Y. Address WAD, 8,930 megs.	8.975 megs.	33.41 m.
VWY, Kirkee, Poona, India. Phones London.	9.010 megs.	33.28 m.
KEJ, Bolinas, Calif. 20-40 kW. Address KEL, 6,860 megs.	9.020 megs.	33.24 m.
GCS, Rugby, England. 15 kW. Phones N. Y. night.	9.040 megs.	33.17 m.
TYA2, Pontois, France. Phones Algeria.	9.050 megs.	33.13 m.
TFK, Reykjavik, Iceland. 8.5 kW.	9.120 megs.	32.88 m.
CP6, La Paz, Bolivia. "Millimani Radio." Compania Radio Boliviana, Casilla 637.	9.125 megs.	32.86 m.
HAT4, Szekesfehervar, Hungary. 20 kW. "Justice for Hungary!" Announcement in Hungarian, French, English by lady. Address HAT2, 7,220 megs.	9.168 megs.	32.70 m.
YVR, Santa Rita, Maracay, Venezuela. Address YVQ, 6,672 megs.	9.170 megs.	32.70 m.
KZGF, Manila, P. I. Inter-Island phone.	9.530 megs.	31.46 m.
WNA, Lawrenceville, N. J. Works London, A. T. & T., Long Lines Dept., 32 Sixth Ave., N. Y. City	9.530 megs.	31.46 m.
ZSR, Capekorn (Klipheval), Union of S. Af. Overseas Communication Co., Kodak House, Shortmarket St.	9.520 megs.	31.49 m.
GCB, Rugby, England. 15 kW. Phones Canada. Address Engineer-in-Chief, G.P.O. (Radio Section), Armour House, St. Martins le Grand, London ECL.	9.520 megs.	31.49 m.
CGA4, Drummondville, P. Q. Phones London. Address VE9DN, 6,895 megs.	9.540 megs.	31.43 m.
PLV, Bandaeng, Java, N. E. I. 80 kW. Works Dixon and JVB, JVC, JVD, Address Mir. H. Van der Veem, Post-Telegraaf TelefoonDienst, Bedrijft der Radiostations op Java, Bandaeng.	9.550 megs.	31.39 m.
COCH, Vedado, Havana, Cuba. Slogan: "Cuba, the Evergreen Land." Address: No. 2, B. Street. Daily 1000-1200; 1600-1800; 2100-2200; Relays CMCY Sunday, 1000-1100.	9.560 megs.	31.36 m.
WES, Rocky Point, N. Y. Address WAD, 8,930 megs.	9.565 megs.	31.35 m.
TG1X, Guatemala City, Guat. 200 watts. Ministerio de Fomento.	9.570 megs.	31.33 m.
8.460 megs.	31.69 m.	
WKJ, New Brunswick, N. J. Address WNA, 9,170 megs.	9.470 megs.	31.66 m.
WET, Rocky Point, N. Y. Works Buenos Aires, Caracas. Address WAD, 8,930 megs.	9.480 megs.	31.63 m.
KES, Bolinas, Calif. RCA Communications, Inc.	9.490 megs.	31.59 m.
KZGH, Iloilo, P. I. Inter-Island phone. Philippine Long Distance Telephone Co.	9.470 megs.	31.66 m.
OXY, Copenhagen, Denmark. Not used at present.	9.470 megs.	31.66 m.
VKSME, Melbourne, Australia (Brisbane). 5 kW. Amalgamated Wireless (A/W) Ltd., Box No. 1272L, Elizabeth St. P. O., Melbourne.	9.470 megs.	31.66 m.
9.500 megs.	31.55 m.	
MJU, Buenaventura, Colombia. National Railways.	9.500 megs.	31.55 m.
XGDX, Nanking, China. See 6,000 megs.	9.505 megs.	31.54 m.
PRFS, Rio de Janeiro, Brazil. "Radio Journal." Program consists of talks in Portuguese, Spanish, English and sometimes French. German. Address: Director of the Imprensa Nacional, Daily, 1730-1815.	9.510 megs.	31.53 m.
GSB, Daventry, England. 20 kW. "8 for Broadcasting." Interval sig.: Bow Bells and Big Ben. Sign off: God Save the King. Address GSA, 6,050 megs. Daily, 0115-0315; 1215-1500; 1515-1645.	9.520 megs.	31.49 m.
XEDQ, Guadalupe, Jal. Relays XED. Address Cia. Radiofonografica, Apartado 197. Daily. 0800-0900; 1200-2400.	9.530 megs.	31.46 m.
WZXF, Schenectady, N. Y. 40 kW. Relays NBC. "WGY. The General Electric Co. Schenectady. "The Voice of Electricity." Programs composed with electrical discharge of 10,000,000 Volts (man-made lightning). Sun., 1615-2400; Thurs., 1700-2300; other days, 1730-2300.	9.540 megs.	31.43 m.
DJN, Zeesen, Germany. 8 kW. Programs close with "Deutschland ueber alles!" and "Horst Wessellied." Programs preceded by a music box tune, "Ever be True and Honest." Address DJC, 6,020 megs.	9.540 megs.	31.43 m.
LKJA, Jeloy, Norway. 500 watts. Address LCL, 6,130 megs. Daily, 0500-0800.	9.550 megs.	31.39 m.
HHZR, Port au Prince, Haiti.	9.560 megs.	31.36 m.
DJA, Zeesen, Germany. For details see DJN, 9,540 megs.	9.565 megs.	31.35 m.
VUB, Bombay, India. Indian State Broadcasting Service, Irwin House, Sports Road, Ballard Estate, Bombay. Sun., 0700-0900 approximately.	9.570 megs.	31.33 m.
W1XK, Millis (Boston), Mass. 10 kW. Relays WBZ-WBZA, NBC programs. "These are the New England Westinghouse stations WBZ, WBZA, W1XK."	9.570 megs.	31.33 m.
W6XK, Pittsburgh (Saxenburg), Pa. This frequency loaned to W1XK.	9.570 megs.	31.33 m.

SHORT WAVE STATIONS BY FREQUENCIES

8.940 megs.	33.54 m.
8.950 megs.	33.50 m.
8.975 megs.	33.41 m.
9.010 megs.	33.28 m.
9.020 megs.	33.24 m.
9.040 megs.	33.17 m.
9.050 megs.	33.13 m.
9.120 megs.	32.88 m.
9.125 megs.	32.86 m.
9.168 megs.	32.70 m.
9.170 megs.	32.70 m.
9.530 megs.	31.46 m.
9.540 megs.	31.43 m.
9.550 megs.	31.39 m.
9.560 megs.	31.36 m.
9.565 megs.	31.35 m.
9.570 megs.	31.33 m.
8.940 megs.	33.54 m.
8.950 megs.	33.50 m.
8.975 megs.	33.41 m.
9.010 megs.	33.28 m.
9.020 megs.	33.24 m.
9.040 megs.	33.17 m.
9.050 megs.	33.13 m.
9.120 megs.	32.88 m.
9.125 megs.	32.86 m.
9.168 megs.	32.70 m.
9.170 megs.	32.70 m.
9.530 megs.	31.46 m.
9.540 megs.	31.43 m.
9.550 megs.	31.39 m.
9.560 megs.	31.36 m.
9.565 megs.	31.35 m.
9.570 megs.	31.33 m.
8.940 megs.	33.54 m.
8.950 megs.	33.50 m.
8.975 megs.	33.41 m.
9.010 megs.	33.28 m.
9.020 megs.	33.24 m.
9.040 megs.	33.17 m.
9.050 megs.	33.13 m.
9.120 megs.	32.88 m.
9.125 megs.	32.86 m.
9.168 megs.	32.70 m.
9.170 megs.	32.70 m.
9.530 megs.	31.46 m.
9.540 megs.	31.43 m.
9.550 megs.	31.39 m.
9.560 megs.	31.36 m.
9.565 megs.	31.35 m.
9.570 megs.	31.33 m.

SHORT WAVE STATIONS BY FREQUENCIES

VUC, Calcutta, India. Refer to VUC, 6.112 megs.	31.31 m.	9.575 megs.	IRM, Rome, Italy. "Italo Radio"	30.50 m.	9.830 megs.
GSC, Daventry, England. 20 kW. "C for Corporation." For other details see GSB, 9.510 megs. Daily, 1800-2000; 2200-2300.	31.30 m.	9.580 megs.	JYS, Kemioka-Chiba-Ken, Japan. Experimental. 10 kW.	30.47 m.	9.840 megs.
LRX, Buenos Aires, Argentina. "Radio El Mundo." Relays LRI, 5 kw.			EAQ, Madrid (Aranjuez), Spain. 20 kW. "La Voz de Espana." Transradio Espanola, S. A., Departamento de Radiodifusion Ibero-Americana, Apartado 951. Programs close with National Hymn, "Himno de Riego." Daily, 1730-1900; Sat., 1200-1400.	30.40 m.	9.862 megs.
VK3LR, Melbourne, Australia. Research Section, P. M. G. Dept., 61 Little Collins St., C1, Melbourne. Daily, 0400-0800.			WON, Lawrenceville, N. J. 20 kW. Works London. Add: WNA, 9.370.	30.38 m.	9.870 megs.
VK2ME, Sydney (Pennant Hills), Australia. 12 kW. "The Voice of Australia." Laughing notes of the kookaburra, the Laughing Jackass, various times during program. Sign off: God Save the King. Address: Amalgamated Wireless (A/sia) Ltd., 47 York St., Sydney. Sundays, 0100-0300; 0500-1100.	31.28 m.	9.585 megs.	LSN, Buenos Aires (Hurlingham), Argentina. Works N. Y. Address LQA, 9.600 megs.	30.30 m.	9.895 megs.
..... (Under construction.)			JDY, Darlen. Works JYU, Nazaki.	30.22 m.	9.920 megs.
HP5J, Panama City, Panama. 1 kW. "La Voz de Panama." Manuel Diaz Doce, Apartado 867. Daily, 1145-1300; 1930-2200.	31.26 m.	9.590 megs.	HJY, Bogota, Colombia. Phones CEC, OCI evenings.	30.19 m.	9.930 megs.
W3XAU, Philadelphia (Newton Square), Pa. Relays CBS-WCAU, 750 wats. Address W3XAU, 6.060 megs. Daily, 1200-2000.			GCU, Rugby, England. 15 kW. Works N. Y. nights. Address GCB, 9.280 megs.	30.13 m.	9.950 megs.
HBL, Prangins (Geneva), Switzerland. 18 kW. "Radio Nations." Works USA and broadcast. Programs consist of news in English, French, Spanish. Address HBP, 1.797 megs. Sat., 1730-1835.	31.25 m.	9.595 megs.	KAZ, Manila, P. I. 40 kW. Works Dixon. Radio Corp. of the Philippines, Plaza Moraga.	30.01 m.	9.990 megs.
HH3W, Port-au-Prince, Haiti.			LSL, Buenos Aires, Argentina. Address LQA, 9.600 megs.		
CB960, Santiago, Chile. "Radiodifusora Pilot." s/o Rhapsody in Blue. Compania Internacional de Radio, Casilla 16-D.	31.23 m.	9.600 megs.	WWV, Beltsville, Md. 20 kW. Standard Frequency Station. Dept. of Commerce, National Bureau of Standards, Washington, D. C. Tues, Fri., 1315-1415.	29.98 m.	10.000 megs.
CT1AA, Lisbon, Portugal. 2kW. "Radio Colenial." Interval sig: 3 cuckoos. Address: Senhor Abilio Nunes dos Santos, Jr., Av. Antonio d'Aguiar 144, Tunes, Thurs., Sat., 1630-1900.			HII, Trujillo, D. R. Cia. Dominicana de Telefonos, Aptdo. 577.	29.86 m.	10.040 megs.
LQA, Buenos Aires, Argentina. Compania Internacional de Radio, Defensa 143, B. A.			DJJ, Zeesen, Germany.	29.85 m.	10.042 megs.
DGU, Nauen, Germany. Phones Egypt Irreg. Address DGK, 6.675 megs.	31.20 m.	9.609 megs.	SUV, Cairo (Abu Zabal), Egypt, 10 kW. Marconi Radio Telegraph Co., of Egypt, S. A., Box 795, Cairo.	29.82 m.	10.055 megs.
I2RO, Rome, Italy. Address Ente Italiano Audizioni Radiolistiche, Via Montello 5, Rome. American Hour broadcast Mon., Wed., Fri., 1800-1930.	31.12 m.	9.635 megs.	ZFB, Hamilton (St. George) Bermuda. 1.5 kW. Phones N. Y. days.	29.77 m.	10.070 megs.
DJI, Zeesen, Germany.			EHY, Madrid (Pozuelo del Rey), Spain. Phones YVR afternoons. Compania Telefonica Nacional de Espana, S. A., Margall 2, Madrid.	29.74 m.	10.080 megs.
GCA, Rugby, England. 15 kW. Phones N. Y. and Buenos Aires. Address GCB, 9.280 megs.	30.99 m.	9.675 megs.	RIR, Tiflis, USSR. Works RIO, RNE mornings.	29.58 m.	10.135 megs.
RFK, Moscow, USSR. 20 kW.	30.88 m.	9.710 megs.	OPM, Leopoldville, Belgian Congo. 12 kW. Works ORK. Address Leopoldville Radio Station.	29.51 m.	10.160 megs.
VLJ, Sydney (Pennant Hills), Australia. 3.5 kW. Phones Bandaeng. Address VK2ME, 9.585 megs.	30.75 m.	9.750 megs.	RIO, Baku, USSR. Works RIR, RNE mornings.	29.34 m.	10.200 megs.
WOF, Lawrenceville, N. J. Address WNA, 9.170 megs.			PSH, Rio de Janeiro (Marapicu), Brazil. 12 kW. Works Buenos Aires. Cia. Radiotelegraphica Brasileira, Caixa Postal 500.		
GCW, Rugby, England. 15 kW. Phones N. Y. evenings. Address GCB, 9.280 megs.	30.63 m.	9.790 megs.			

SHORT WAVE STATIONS BY FREQUENCIES

LSL, Buenos Aires (Hurlingham), Argentina. 5 kW.	29.25 m.	10.250 megs.	WEA, Rocky Point, N. Y. 40 kW. Address WAD, 8.930 megs.	28.75 m.	10.610 megs.
PMN, Bandaeng, N. E. I. 3 kW. Works Sydney. Address PLV, 9.415.	29.22 m.	10.260 megs.	EHX, Madrid (Pozuelo del Rey), Spain.	28.23 m.	10.620 megs.
DIQ, Zeesen, Germany. Address DGK, 6.675 megs.	29.15 m.	10.285 megs.	JVN, Nazaki, Ibaraki-Ken, Japan. 20 kW. Works Europe and broadcast to America. Sign off: Japanese National Anthem. Address: see JZC, 6.330 megs. Mon., Thurs., 1600-1700; daily, 0000-0100.	28.13 m.	10.660 megs.
HPC, Panama City, Panama.	29.14 m.	10.290 megs.	CEC, La Granja (Santiago) Chile. 4 kW. Compania Internacional de Radio S. A. (Chile), Casilla 16-D, Santiago.		
ORK, Brussels (Ruysselsele), Belgium. 11 kW. Works OPM irregularly; broadcasts daily. Ann.: Radio I.R.R. Sign off: La Brabaconne. Address: Regie des Telegraphes et des Telephones, Direction des Radiocommunications, Brussels.	29.02 m.	10.330 megs.	PLQ, Bandaeng, N. E. I. 60 kW.		
ZFD, St. George, Bermuda. 1.5 kW. Address reports on special transmissions to Town Clerk, St. George.	29.01 m.	10.335 megs.	WNB, Lawrenceville, N. J. 500 wats. Phones Bermuda. Address, WNA, 9.170 megs.	28.09 m.	10.675 megs.
LSX, Buenos Aires (Monte Grande), Argentina. 20 kW. Transradio Internacional, Compania Radiotelegrafica Argentina S. A. San Martin 378.	28.97 m.	10.350 megs.	JVM, Nazaki, Ibaraki-Ken, Japan. 20 kW. Other details identical JVN, 10.660.	27.97 m.	10.740 megs.
EHZ, El Tablero, Canarias. Works EHX.	28.91 m.	10.370 megs.	GBP, Rugby, England. 15 kW. Address GCB, 9.280 megs.	27.84 m.	10.770 megs.
WCG, Tuckerton, N. J.			KWV, Dixon, Calif. 20 kW. Address: Transpacific Communication Co., Ltd., 140 New Montgomery St., San Francisco, Calif.	27.66 m.	10.840 megs.
JVO, Nazaki, Japan. 10 kW. Works JZA, JZB, JZC, Harbin. Address JZG, 6.330 megs.	28.89 m.	10.375 megs.	DFL, Nauen, Germany.	27.53 m.	10.850 megs.
KEZ, Bolinas, Calif. 40 kW. RCA Communications, Inc., Pacific Division, 28 Geary St., San Francisco, Calif.	28.83 m.	10.400 megs.	JZB, Shinkio (Kanjoshi) Manchukuo. 20 kW. Works JVI, JVO, JVV. Add: Manchukuo Telephone & Telegraph Co., Ltd., Shinkio.	27.36 m.	10.960 megs.
KET, Bolinas, Calif. 40 kW. Address KEZ, 10.400 megs	28.80 m.	10.410 megs.	PLP, Bandaeng, Java, N. E. I. 3 kW.	27.26 m.	11.000 megs.
PDK, Kootwijk, Netherlands. 60 kW. Address Radiolaboratory, Neth. State Telegraphs, Parkstraat 29, S'Gravenhage.	28.80 m.	10.410 megs.	XBQJ, Mexico City, Mexico. Relays XEW Irreg. Int. sig: 4 chimes. National Bank of Mexico, Box 2825.		
DZB, Zeesen, Germany.	28.77 m.	10.420 megs.	ZLT4, Wellington, N. Z.		
XGW, Shanghai, China. 20 kW. Address XGO, 7.575 megs.	28.75 m.	10.430 megs.	XGB, Shanghai, China. 15 kW. (Existence doubtful).	26.91 m.	11.140 megs.
YBG, Medan, Sumatra, N. E. I. 3 kW. Works Bandaeng. Director of Govt. Radio Service, Telegraaf en Telefoonbureau, Serdangweg 2, Medan. Daily, 0430-0530; 2030-2300.	28.75 m.	10.430 megs.	CWG, Cerrito (Montevideo), Uruguay. 1.5 kW.	26.38 m.	11.370 megs.
WKC, Rocky Point, N. Y. 100 kW. Address WAD, 8.930 megs.	28.64 m.	10.465 megs.	VIZ3, Rockbank (Melbourne), Australia. Tests with Canada. Address VK3ME, 9.503 megs.	26.08 m.	11.495 megs.
CFAA, Drummondville, P. Q. CMC, Box 1696, Montreal	28.50 m.	10.520 megs.	VRR4, Stoney Hill, Jamaica. Works WNC.	25.71 m.	11.660 megs.
VLK, Pennant Hills (Sydney), Australia. 16 kW. Address VK2ME, 9.585 megs.	28.47 m.	10.530 megs.	JVL, Nazaki, Japan. 10 kW. Works JJA, JIB, JIC Taiwan. Address JZG, 6.330 megs.	25.69 m.	11.670 megs.
GBX, Rugby, England. 8 kW. Address GCB, 9.280 megs.	28.47 m.	10.530 megs.	PPQ, Rio de Janeiro (Sepetiba), Brazil. 5 kW. Address, see PSH, 10.220 megs.	25.57 m.	11.680 megs.
JIB, Taihoku (Chureki), Taiwan. Works Tokyo. 6 kW. Kokusai Denwa Kaisha, Chureki Kai, Shinchiku, Taiwan.	28.42 m.	10.550 megs.	KIO, Kahuku, Oahu, Hawaii. Works Bolinas.	25.60 m.	11.720 megs.
WOK, Lawrenceville, N. J. 20 kW. Address WNA, 9.170 megs.			HJAABA, Medellin, Colombia. "Ecos de la Montana"	25.58 m.	11.720 megs.
			CJRX, Winnipeg, Man. (Middlechurch). James		

SHORT WAVE STATIONS BY FREQUENCIES

Richardson & Sons, Royal Alexandra Hotel. Daily, 2000-2400. "Radio Coloniale," Pontoise, France, 15 kW. Address: Ministère des Postes, Télégraphes et Téléphones, Direction de la Radiodiffusion, 38 bis, Blvd. Haussmann, Paris. Daily, 1900-2200; 2300-0100.	11.990 megs. 25.00 m.	FZ52, Saigon, French Indo-China, 15 kW. Phones Paris. Cie Generale de Telegraphie Sans Fil. Boite Postale 238.
11.725 megs. 25.57 m. (Winter frequency). Phillips' Omroep Holland India, Emmasingel 29, Eindhoven. Announces in Dutch, Malay, German, French, English, Spanish, Portuguese. Close: Dutch National Anthem.	12.000 megs. 24.99 m. at 1600 EST. Programs in English, Russian, German, French, Czech, Hungarian, Dutch, Spanish, Swedish. Address: Mime, Ilna Maar, Central Radio Committee, Petrovka 12, Moscow.	RNE, Moscow, U.S.S.R., 20 kW. Kremlin Chimes
11.750 megs. 25.52 m. Interval sig.: Bow Bells and Big Ben. Sign off: God Save the King. Address, see GSA, 1800-2000; 2200-2300.	12.020 megs. 24.94 m.	JVK, Nazaki, Japan. Works Shanghai. Address JZG, 6.330 megs.
DJD, Zeese, Germany. 8 kW. Programs preceded by a music box tune, "Ever be True and Honest," Address DJC, 6.020 megs.	12.030 megs. 24.92 m.	HBO, Prangins, (Geneva), Switzerland, 20 kW. "Radio Nations." Address: see HBP, 7.797 megs.
11.790 megs. 25.43 m. WXAL, Boston, Mass., 5 kW.	12.035 megs. 24.91 m.	DJK, Nauern, Germany. 7.2 kW. Address DGK, 6.675 megs.
11.800 megs. 25.37 m. Weiss y O. Ramirez, Apartado 85.	12.050 megs. 24.88 m.	PDV, Kootwijk, Netherlands. 60 kW. Address: PDK, 10.410 megs.
11.810 megs. 25.39 m. Address IZRO, 9.630 megs.	12.150 megs. 24.68 m.	GBS, Rugby, England. 15 kW. Phones N. Y. afternoons. Address: GCB, 9.280 megs.
11.830 megs. 25.34 m. W2XE, New York, N. Y. (Wayne, N. J.) Relays CBS, WABC, 10 kW. Address W2XE, 6.120 megs. W9XAA, Chicago, Ill.	12.215 megs. 24.55 m.	TYA, Paris, France. Phones Algeria. Address: FTA, 11.940 megs.
11.845 megs. 25.31 m. Under construction.	12.225 megs. 24.53 m.	TFJ, Reykjavik, Iceland. 8.5 kW. Icelandic State Brcdstg. Serv., Box 547.
11.860 megs. 25.28 m. Inter. sig.: Westminister Chimes and Big Ben. Sign off: God Save the King. Address: see GSA, 6.050 megs. Daily, 1100-1200.	12.240 megs. 24.49 m.	GBU, Rugby, England. Phones N. Y. Address: GCB, 9.280 megs.
11.870 megs. 25.25 m. NBC-KDKA.	12.250 megs. 24.48 m.	TYB, Pontoise, France. Works JVI and SHIPs.
11.880 megs. 25.24 m. Address, see 11.720 megs. Daily, 1115-1415; 1500-1800.	12.260 megs. 24.46 m.	FTN, Ste. Anaise, France, Address: FTA, 11.940 megs.
11.940 megs. 25.11 m. Societe Francaise Radio-Electrique, 79 Blvd. Haussmann, Paris VIII.	12.270 megs. 24.52 m.	JVJ, Nazaki, Japan. Works Hongkong. Address JZG, 6.330 megs.
11.950 megs. 25.08 m. Address KEZ, 10.400 megs.	12.325 megs. 24.33 m.	RKK, Moscow, USSR, 20 kW.
11.955 megs. 25.07 m. Frank A. Hammar, Chief Wireless Engineer, Dept. of Communications.	12.350 megs. 24.30 m.	DAF, Norden, Germany. 5 kW. Phones ships, mornings. For address see DAF, 8.464 megs.
	12.370 megs. 24.28 m.	RKF, Moscow, USSR, 20 kW.
	12.380 megs. 24.27 m.	ZSV, Walvis Bay, Union of South Africa. 1 kW. CZA, Drummondville, P. Q. Works Ships. CMC, Box 1656, Montreal.
	12.400 megs. 24.25 m.	DAF, Norden, Germany. 5 kW. Works ships. Address DAF, 8.464 megs.
	12.420 megs. 24.23 m.	GBC, Rugby, England. 5 kW. Works ships. Address GCB, 9.280 megs.
	12.430 megs. 24.22 m.	IAC, Cattane, Italy. 18 kW. Works ships. Address IAC, 4.355 megs.
	12.436 megs. 24.21 m.	CNR, Rabat, Morocco. Works Paris. Address, CNR, 8.835 megs.

SHORT WAVE STATIONS BY FREQUENCIES

HJA3, Barranquilla, Colombia.	12.840 megs. 23.35 m.	WMA, Lawrenceville, N. J. Works London. Address WNA, 9.170 megs.
WOO, Ocean Gate, N. J. 20 kW. Works ships. Address WNA, 9.170 megs.	12.862 megs. 23.31 m.	FNSM, S. S. Paris.
WOW, Lawrenceville, N. J. 20 kW. Address WNA, 9.170 megs.	12.930 megs. 23.18 m.	FNTQ, S. S. Ile de France.
WOEH, Broadcast pickup. NBC, 30 Rockefeller Plaza, NYC.	12.955 megs. 23.14 m.	WCT, San Juan, Puerto Rico. 400 w. Phones WNC. Radio Corp. of P. R.
WAW, Hialeah, Fla.	13.020 megs. 23.03 m.	GCI, Rugby, England. Works JVI, Nazaki. Address GCB 9.280 megs., 0300-0800.
GMBJ, S. S. Empress of Britain. Works WOO, IAC, DAF, GBC, CZA, etc.	13.040 megs. 22.99 m.	WEL, Rocky Point, N. Y. Phones London. Address WAD, 8.930 megs.
JZE, Nazaki, Japan. 10 kW. Works ships. Address, JZG, 6.330 megs.	13.075 megs. 22.93 m.	GBB, Rugby, England. Phones Canada and Egypt days. Address: GCB, 9.280 megs.
SHIPS. For address of these ships refer to 4413, 4415 and 4430 megs. All these ships work with WOO, and DAF.	13.075 megs. 22.93 m.	JVI, Nazaki, Japan. 10 kW. Works JZA, JZB, JZC Harbin. Address: Kokusai-Denwa Kaisha. Ltd., Osaka Bldg., Kojimachiku, Tokyo.
DDBR, S. S. Berlin.	13.080 megs. 22.95 m.	JYK, Kemikawa-Che, Chiba-ken, Japan. (mental).
DDCP, S. S. Cap Polonia.	13.090 megs. 22.97 m.	SPW, Warsaw, Poland. 10 kW. Polskie Radio, Spolka Akcyjna, Warszawa UI, Mazowiecka 5.
DDFF, S. S. Reilanca.	13.105 megs. 22.97 m.	KKZ, Bellinas, Calif. Works Honolulu, Hainking, New York. Address: KEZ, 10.400 megs.
DHAD, S. S. Hanna.	13.105 megs. 22.88 m.	CGA2, Drummondville, P. Q. Canadian Marconi Co., Box 1690, Montreal, P. Q.
DHDL, S. S. Cap Arcona.	13.105 megs. 22.88 m.	KKW, Bollnas, Calif. Address: KEZ, 10.400 megs.
DHEY, S. S. Deutschland.	13.105 megs. 22.88 m.	HRM, Tela, Honduras. Tela Railroad Co.
DHJZ, S. S. Hamburg.	13.105 megs. 22.88 m.	SUZ, Carlo (Abu Zabal), Egypt. 10 kW. Uses any freq. between 11.810 and 13.830 megs. Address SUV, 10.055 megs.
DHRL, S. S. New York.	13.105 megs. 22.88 m.	WY, Rocky Point, N. Y. Address: WPE, 11.840 megs.
DOAH, S. S. Bremen.	13.105 megs. 22.88 m.	WQP (W2XBJ), Rocky Point, N. Y. Address: WPE, 11.840 megs.
These ships work with IAC and WOO. All owned by the Italian Line, 1 State St., N. Y. C.	13.140 megs. 22.82 m.	LCO, Jeley, Norway. 1kW. Address LCL, 6.130 megs.
IBEJ, S. S. Conte Rosso.	13.140 megs. 22.82 m.	GBA, Rugby, England. Address GCB, 9.280 megs.
IBLI, S. S. Conte Verde.	13.140 megs. 22.82 m.	20.82 to 21.42 meters. AMATEURS. Phones work between 14.150 and 14.250 megs.
ICEJ, S. S. Rex.	13.140 megs. 22.82 m.	HJSABE, Cali, Colombia. Apartado 50. Daily 1900-2200.
VPD, Suva, Fiji. "Radio Suva." Amalgamated Wirelens, (A/als) Ltd., Suva. Daily exc. Sunday. 0030-0130.	13.150 megs. 22.73 m.	HB9B, Berne, Switzerland. Swiss Shortwave Association, 30 Neueneggasse, Berne. First Monday every month 1510-1615; 1800-1900.
IRJ, Rome, Italy.	13.150 megs. 22.73 m.	
CWH, Montevideo (Carrillo), Uruguay. 1.5 kW.	13.150 megs. 22.73 m.	
FNSK, S. S. Normandie. Works Paris afternoons. Address FNSK, 8.810 megs.	13.200 megs. 22.71 m.	
CFU, Roseland, B. C. Consolidated Mining & Smelting Co.	13.210 megs. 22.70 m.	
DOAI, S. S. Europa. 70 w. Works DAF-WOO.	13.210 megs. 22.70 m.	
FNSK, S. S. Normandie. Works WOO, afternoons. Address FNSK, 8.810 megs.	13.210 megs. 22.70 m.	
GBZW, S. S. Barenantia.	13.210 megs. 22.70 m.	
GDJ, S. S. Homeric.	13.210 megs. 22.70 m.	
GLRZ, S. S. Aquitania.	13.210 megs. 22.70 m.	
YVQ, Maraca (Santa Rita), Venezuela. Phones Hialeah (days).	13.210 megs. 22.70 m.	

SHORT WAVE STATIONS BY FREQUENCIES

14.298 mgs. 20.99 m. HB9AT, Berns, Switzerland. Address: HB9B above. First Monday each month, 1800-1900.	14.360 mgs. 20.01 m. KAY, Manila, P. I. 40 kW. Radio Corp. of the Philippines, Plaza Moraga, Manila.
14.480 mgs. 20.82 m. HB9J, Berns, Switzerland. Address: HB9B above. First Monday each month, 1510-1615.	15.000 mgs. 19.59 m. WWV, Beltsville, Md. 10 kW. National Standards, Washington, D. C. Wed, 1200-1300.
14.410 mgs. 20.81 m. DIP, Zeesen, Germany.	15.040 mgs. 19.93 m. RKI, Moscow, USSR. 20 kW. Works RIM Tashkent.
14.440 mgs. 20.76 m. GBW, Rugby, England. 15 kW. Address GCB, 9.280 mgs.	15.055 mgs. 19.91 m. WNC, Hialeah, Fla. 400 watts. Works HJB, HJP, HPP, HRM, TGF, TIN, TIU, YNA, YVQ and ZFS daily; other S. Americans irregularly.
14.470 mgs. 20.72 m. WMF, Lawrenceville, N. J. A. T. & T., Long Lines Dept., 32 Sixth Ave., N. Y. City.	15.070 mgs. 19.89 m. PSD, Rio de Janeiro (Marapicu), Brazil. 12 kW. Works Madrid and Buenos Aires mornings. Address: PSF, 14.690 mgs.
14.480 mgs. 20.70 m. LSN, Buenos Aires (Hurlingham), Argentina. Phones N. Y. Address: Compania Internacional de Radio, Diemsa 145.	15.090 mgs. 19.87 m. RKI, Moscow, USSR. 20 kW. Works Rocky Point.
14.535 mgs. 20.63 m. HBJ, Prangins (Geneva), Switzerland. 20 kW. "Radio Nations." Address: M. Gallarati, Information Section, League of Nations, Geneva.	15.104 mgs. 19.85 m. RAU, Tashkent, USSR. Phones Moscow mornings.
14.545 mgs. 20.69 m. HPF, Panama City, Panama. Phones Hialeah days. TGF, Guatemala City, Guat. Phones Hialeah days. TIN, Cartago, Costa Rica. Phones Hialeah days. Compania Radiografica Internacional de C. R., San Jose.	15.120 mgs. 19.83 m. HVJ, Vatican City. 10 kW. Interval sig.: clock ticking for 10 minutes preceding transmission; bells of St. Peter's at 3 o'clock. Announcement: Laudatur Jesus Christus. Talks as follows: Men, Italian; Tues, English; Wed, Spanish; Thurs, French; Fri, German; Sat, Dutch; Sun, Latin. Address: Stazione Radio-Vaticana, Pontificia Accademia Della Scienze, Roma-Castina Pio IV, Citta del Vaticano. Schedule: 1000-1045.
14.590 mgs. 20.55 m. WMN, Lawrenceville, N. J. 20 kW. Address WMF, 14.470 mgs.	15.140 mgs. 19.80 m. GSF, Daventry, England. 15 kW. "F for Fortune." Interval sig.: Westminster chimes and Big Ben. Sign off: God Save the King. Address: British Broadcasting Corp., Broadcasting House, London W.1. Daily, 0900-1200; daily exc. Sun., 0600-0845; Sun., 0630-0845
14.648 mgs. 20.42 m. JVH, Nazaki, Japan. 20 kW. Address JVI, 13.560 mgs. Works GCJ, 0200-0600.	15.200 mgs. 19.73 m. DJB, Zeesen, Germany. 8 kW. Programs preceded by a music box tune. "Ever be True and Honest." Address DJC 6.020 mgs.
14.696 mgs. 20.41 m. PSF, Rio de Janeiro, Brazil. Phones Madrid and Buenos Aires. Compania Radio Internacional do Brasil, Caixa Postal 709.	15.210 mgs. 19.71 m. W9XK, Pittsburgh (Saxonburg), Pa. 40 kW. Relays NEC-KDKA.
14.740 mgs. 20.34 m. IRG, Massawa, Eritrea.	15.220 mgs. 19.70 m. PCJ, Hilversum, Netherlands. Phillips' Omroep Holland-Indie, Emmasingel 29, Eindhoven. Announcements in Dutch, English, French, German, Malay, Portuguese, Spanish. Sign off: Dutch National Anthem. Irregular in operation.
14.790 mgs. 20.27 m. ROU, Omsk, USSR.	15.250 mgs. 19.66 m. LRU, Buenos Aires, Argentina. "Radio El Mundo." Relays LRL.
14.800 mgs. 20.25 m. WQV, Rocky Point, N. Y. 40 kW. Address WPE, 13.840 mgs.	15.270 mgs. 19.64 m. W2XE, New York, N. Y. (Wayne, N. J.). 10 kW
14.830 mgs. 20.21 m. WKU, Rocky Point, N. Y. 40 kW. Address WPE 13.840 mgs.	
14.845 mgs. 20.20 m. OCJ2, Lima (Valverde) Peru.	
14.910 mgs. 20.11 m. JVG, Nazaki, Japan. 10 kW. Works JIA, JIB, JIC Taiwan. Address: JVI, 13.560 mgs.	
14.930 mgs. 20.08 m. HJB, Bogota, Colombia. Phones Hialeah, days.	
14.935 mgs. 20.07 m. PSE, Rio de Janeiro, Brazil. Phones Buenos Aires and Madrid. Address: PSF, 14.690 mgs.	

SHORT WAVE STATIONS BY FREQUENCIES

15.280 mgs. 19.62 m. DJQ, Zeesen, Germany.	15.285 mgs. 18.89 m. CEC, La Granja (Santiago), Chile. 800 watts. Phones Peru, afternoons. Address CEC, 10.670 mgs.
15.295 mgs. 19.60 m. Villajust, France. 120 kW. Under construction.	15.880 mgs. 18.88 m. FTK, Ste. Asaise, France. Phones Saigon. Address FTA, 11.940 mgs.
15.300 mgs. 19.60 m. CP7, La Paz, Bolivia. Compania Radio Boliviana, Casilla 637.	15.950 mgs. 18.80 m. PLG, Bandoeng, Java, N. E. I.
15.330 mgs. 19.56 m. W2XAD, Schenectady, N. Y. 20 kW. The General Electric Co. Relays NBC-WGY. "The Voice of Electricity." Program commences with electrical discharge of 1,300,000 volts of man-made lightning. Sunday, 1030-1600; other days, 1400-1500.	16.030 mgs. 18.71 m. KKP, Kahuku, Oahu, Hawaii.
15.340 mgs. 19.55 m. DJR, Zeesen, Germany.	16.050 mgs. 18.68 m. JVC, Nazaki, Japan. Works Hongkong. Address JVI, 13.560 mgs.
15.350 mgs. 19.53 m. CTIAA, Lisbon, Portugal. 2kW. Int. Sig.: 3 cuckoos. Address CTIAA, 9.600 mgs.	16.150 mgs. 18.56 m. GBX, Rugby, England. Phones Sydney. Address Engineer-in-chief, G.P.O. (Radio Section), Armour House, St. Martins le Grand, London ECL.
15.355 mgs. 19.52 m. KWU, Dixon, Calif. 20 kW. Address KWV, 10.840 mgs	16.200 mgs. 18.51 m. FZR, Saigon, French Indo-china. Phones Paris. Address FZS2, 11.990 mgs.
15.370 mgs. 19.51 m. HASJ, Szekesfehervar, Hungary. 20 kW. "Justice for Hungary!" Announcement in Hungarian, French, English by lady. Address, see HAT2, 7.220 mgs.	16.240 mgs. 18.49 m. KTO, Manila, P. I. Phones Dixon. Radio Corp. of the Philippines, Plaza Moraga, Manila.
15.415 mgs. 19.45 m. KWO, Dixon, Calif. 20 kW. Address KWV, 10.840 mgs	16.270 mgs. 18.48 m. WLK, Lawrenceville, N. J. Works London. Address WMF, 14.470 mgs.
15.440 mgs. 19.42 m. PRADO, Riobamba, Ecuador. "Estacion El Prado." Apartado 98. This freq. used in summer only, Sundays, 1700-1800.	16.380 mgs. 18.30 m. XGN, Shanghai, China. Address XGO, 7.575 mgs.
15.445 mgs. 19.41 m. WKW, Rocky Point, N. Y. Address WPE, 13.840.	16.460 mgs. 18.22 m. DHEY, S. S. Deutschland. Works WOO, DAF. Address, North German Lloyd, Pier 4, Foot of 58th St., Brooklyn, N. Y.
15.475 mgs. 19.37 m. KKL, Bolinas, Calif. Address KEZ, 10.400 mgs.	16.600 mgs. 18.06 m. DOAI, S. S. Europa. Phones WOO, DAF. Address DHEY above.
15.510 mgs. 19.33 m. JDX, Darien. Works JVI Nazaki.	16.910 mgs. 17.73 m. JZD, Nazaki, Japan. 20 kW. Works ships. Address JVI, 13.560 mgs.
15.620 mgs. 19.19 m. JVF, Nazaki, Japan. 20 kW. Works Dixon, nights. Address JVI, 13.560 mgs.	17.080 mgs. 17.55 m. GBC, Rugby, England. 5 kW. Works ships. Address GBX, 16.150 mgs.
15.660 mgs. 19.15 m. JVE, Nazaki, Japan. 10 kW. Works Bandoeng nights. Address JVI, 13.560 mgs.	17.120 mgs. 17.51 m. WOO, Ocean Gate, N. J. 20 kW. Works ships. Address WMF, 14.470 mgs.
15.680 mgs. 19.12 m. JZA, Shinkio (Kantoshi) Manchukuo, 20 kW. Works JVI. JVO, JVL (Add: Manchukuo Telephone & Telegraph Co., Shinkio).	17.260 mgs. 17.37 m. DAF, Norden, Germany. 5 kW. Works ships. Address DAF, 8.464 mgs.
15.750 mgs. 19.04 m. JIA, Taihoku (Chureki) Taiwan. Works JVG, JVL, JVV.	17.310 mgs. 17.32 m. CZA, Drummondville, P. Q. Works ships. Address CBA2, 13.745 mgs.
15.760 mgs. 19.02 m. JYT, Komikawa-Che, Chiba-Ken, Japan. 5 kW.	17.480 mgs. 17.15 m. VWY, Kirkee, Poena, India. Phones London.
15.800 mgs. 18.90 m. JVD, Nazaki, Japan. Works Shanghai. Address JVI, 13.560 mgs.	

SHORT WAVE STATIONS BY LOCATIONS

Call Sign	Frequency	Location	Country	Notes
YDB6	1.570	Malang	INDONESIA	
YDQ3	3.350	HPF	INDONESIA	
YDQ4	3.250	HP5	INDONESIA	
YDQ5	2.950	HP5J	INDONESIA	
YDQ6	2.850	HP5	INDONESIA	
YDA7	3.270	PARAGUAY	PARAGUAY	
YDJ2	3.270	(ZPA-ZPZ)	PARAGUAY	
YDB2	2.450	Asuncion	PARAGUAY	
YDE3	2.910	ZP10	PARAGUAY	
YDK2	3.190	ZP11	PARAGUAY	
YDK3	2.910	PERU	PERU	
YDK5	2.710	(OAA-OCZ)	PERU	
YDK6	1.860	Lima	PERU	
YDA1	1.950	OAXID	MEXICO	
YD12	2.110	OAXIG	MEXICO	
YD13	2.110	OCI	MEXICO	
YD14	1.485	OCJ2	MEXICO	
YD15	1.595	PHILIPPINE ISLANDS	PHILIPPINE ISLANDS	
YD16	4.810	Cebu	PHILIPPINE ISLANDS	
YD17	4.810	KZGG	PHILIPPINE ISLANDS	
YD18	4.810	KZGG	PHILIPPINE ISLANDS	
YD19	3.290	Iloilo	PHILIPPINE ISLANDS	
YD20	3.170	KZGH	PHILIPPINE ISLANDS	
YD21	2.730	KZGH	PHILIPPINE ISLANDS	
YD22	2.070	Manila	PHILIPPINE ISLANDS	
YD23	1.980	KAX	PHILIPPINE ISLANDS	
YD24	1.980	KAY	PHILIPPINE ISLANDS	
YD25	1.980	KAZ	PHILIPPINE ISLANDS	
YD26	1.980	KBK	PHILIPPINE ISLANDS	
YD27	1.980	KTO	PHILIPPINE ISLANDS	
YD28	1.980	KTP	PHILIPPINE ISLANDS	
YD29	1.980	KZF	PHILIPPINE ISLANDS	
YD30	1.980	KZGF	PHILIPPINE ISLANDS	
YD31	2.790	YDJ3	PHILIPPINE ISLANDS	
YD32	1.515	Poland	POLAND	
YD33	3.320	(SOA-SRZ)	POLAND	
YD34	10.130	Warsaw	POLAND	
YD35	4.710	SPW	POLAND	
YD36	5.260	PORTUGAL	PORTUGAL	
YD37	2.830	(CSA-CUZ)	PORTUGAL	
YD38	1.850	Lisbon	PORTUGAL	
YD39	6.150	GSL	PORTUGAL	
YD40	9.600	CTIAA	PORTUGAL	
YD41	3.350	CTICT	PORTUGAL	
YD42	3.750	Parede	PORTUGAL	
YD43	6.132	PORT.	PORTUGAL	
YD44	11.000	W. AFRICA	W. AFRICA	
YD45	1.715	Libite	W. AFRICA	
YD46	4.875	CREGA	W. AFRICA	
YD47	6.870	RIK	W. AFRICA	
YD48	6.870	RIK	W. AFRICA	
YD49	6.870	RIK	W. AFRICA	
YD50	6.870	RIK	W. AFRICA	
YD51	6.870	RIK	W. AFRICA	
YD52	6.870	RIK	W. AFRICA	
YD53	6.870	RIK	W. AFRICA	
YD54	6.870	RIK	W. AFRICA	
YD55	6.870	RIK	W. AFRICA	
YD56	6.870	RIK	W. AFRICA	
YD57	6.870	RIK	W. AFRICA	
YD58	6.870	RIK	W. AFRICA	
YD59	6.870	RIK	W. AFRICA	
YD60	6.870	RIK	W. AFRICA	
YD61	6.870	RIK	W. AFRICA	
YD62	6.870	RIK	W. AFRICA	
YD63	6.870	RIK	W. AFRICA	
YD64	6.870	RIK	W. AFRICA	
YD65	6.870	RIK	W. AFRICA	
YD66	6.870	RIK	W. AFRICA	
YD67	6.870	RIK	W. AFRICA	
YD68	6.870	RIK	W. AFRICA	
YD69	6.870	RIK	W. AFRICA	
YD70	6.870	RIK	W. AFRICA	
YD71	6.870	RIK	W. AFRICA	
YD72	6.870	RIK	W. AFRICA	
YD73	6.870	RIK	W. AFRICA	
YD74	6.870	RIK	W. AFRICA	
YD75	6.870	RIK	W. AFRICA	
YD76	6.870	RIK	W. AFRICA	
YD77	6.870	RIK	W. AFRICA	
YD78	6.870	RIK	W. AFRICA	
YD79	6.870	RIK	W. AFRICA	
YD80	6.870	RIK	W. AFRICA	
YD81	6.870	RIK	W. AFRICA	
YD82	6.870	RIK	W. AFRICA	
YD83	6.870	RIK	W. AFRICA	
YD84	6.870	RIK	W. AFRICA	
YD85	6.870	RIK	W. AFRICA	
YD86	6.870	RIK	W. AFRICA	
YD87	6.870	RIK	W. AFRICA	
YD88	6.870	RIK	W. AFRICA	
YD89	6.870	RIK	W. AFRICA	
YD90	6.870	RIK	W. AFRICA	
YD91	6.870	RIK	W. AFRICA	
YD92	6.870	RIK	W. AFRICA	
YD93	6.870	RIK	W. AFRICA	
YD94	6.870	RIK	W. AFRICA	
YD95	6.870	RIK	W. AFRICA	
YD96	6.870	RIK	W. AFRICA	
YD97	6.870	RIK	W. AFRICA	
YD98	6.870	RIK	W. AFRICA	
YD99	6.870	RIK	W. AFRICA	
YD100	6.870	RIK	W. AFRICA	

SHORT WAVE STATIONS BY LOCATIONS

Call Sign	Frequency	Location	Country	Notes
YD101	6.870	RIK	W. AFRICA	
YD102	6.870	RIK	W. AFRICA	
YD103	6.870	RIK	W. AFRICA	
YD104	6.870	RIK	W. AFRICA	
YD105	6.870	RIK	W. AFRICA	
YD106	6.870	RIK	W. AFRICA	
YD107	6.870	RIK	W. AFRICA	
YD108	6.870	RIK	W. AFRICA	
YD109	6.870	RIK	W. AFRICA	
YD110	6.870	RIK	W. AFRICA	
YD111	6.870	RIK	W. AFRICA	
YD112	6.870	RIK	W. AFRICA	
YD113	6.870	RIK	W. AFRICA	
YD114	6.870	RIK	W. AFRICA	
YD115	6.870	RIK	W. AFRICA	
YD116	6.870	RIK	W. AFRICA	
YD117	6.870	RIK	W. AFRICA	
YD118	6.870	RIK	W. AFRICA	
YD119	6.870	RIK	W. AFRICA	
YD120	6.870	RIK	W. AFRICA	
YD121	6.870	RIK	W. AFRICA	
YD122	6.870	RIK	W. AFRICA	
YD123	6.870	RIK	W. AFRICA	
YD124	6.870	RIK	W. AFRICA	
YD125	6.870	RIK	W. AFRICA	
YD126	6.870	RIK	W. AFRICA	
YD127	6.870	RIK	W. AFRICA	
YD128	6.870	RIK	W. AFRICA	
YD129	6.870	RIK	W. AFRICA	
YD130	6.870	RIK	W. AFRICA	
YD131	6.870	RIK	W. AFRICA	
YD132	6.870	RIK	W. AFRICA	
YD133	6.870	RIK	W. AFRICA	
YD134	6.870	RIK	W. AFRICA	
YD135	6.870	RIK	W. AFRICA	
YD136	6.870	RIK	W. AFRICA	
YD137	6.870	RIK	W. AFRICA	
YD138	6.870	RIK	W. AFRICA	
YD139	6.870	RIK	W. AFRICA	
YD140	6.870	RIK	W. AFRICA	
YD141	6.870	RIK	W. AFRICA	
YD142	6.870	RIK	W. AFRICA	
YD143	6.870	RIK	W. AFRICA	
YD144	6.870	RIK	W. AFRICA	
YD145	6.870	RIK	W. AFRICA	
YD146	6.870	RIK	W. AFRICA	
YD147	6.870	RIK	W. AFRICA	
YD148	6.870	RIK	W. AFRICA	
YD149	6.870	RIK	W. AFRICA	
YD150	6.870	RIK	W. AFRICA	
YD151	6.870	RIK	W. AFRICA	
YD152	6.870	RIK	W. AFRICA	
YD153	6.870	RIK	W. AFRICA	
YD154	6.870	RIK	W. AFRICA	
YD155	6.870	RIK	W. AFRICA	
YD156	6.870	RIK	W. AFRICA	
YD157	6.870	RIK	W. AFRICA	
YD158	6.870	RIK	W. AFRICA	
YD159	6.870	RIK	W. AFRICA	
YD160	6.870	RIK	W. AFRICA	
YD161	6.870	RIK	W. AFRICA	
YD162	6.870	RIK	W. AFRICA	
YD163	6.870	RIK	W. AFRICA	
YD164	6.870	RIK	W. AFRICA	
YD165	6.870	RIK	W. AFRICA	
YD166	6.870	RIK	W. AFRICA	
YD167	6.870	RIK	W. AFRICA	
YD168	6.870	RIK	W. AFRICA	
YD169	6.870	RIK	W. AFRICA	
YD170	6.870	RIK	W. AFRICA	
YD171	6.870	RIK	W. AFRICA	
YD172	6.870	RIK	W. AFRICA	
YD173	6.870	RIK	W. AFRICA	
YD174	6.870	RIK	W. AFRICA	
YD175	6.870	RIK	W. AFRICA	
YD176	6.870	RIK	W. AFRICA	
YD177	6.870	RIK	W. AFRICA	
YD178	6.870	RIK	W. AFRICA	
YD179	6.870	RIK	W. AFRICA	
YD180	6.870	RIK	W. AFRICA	
YD181	6.870	RIK	W. AFRICA	
YD182	6.870	RIK	W. AFRICA	
YD183	6.870	RIK	W. AFRICA	
YD184	6.870	RIK	W. AFRICA	
YD185	6.870	RIK	W. AFRICA	
YD186	6.870	RIK	W. AFRICA	
YD187	6.870	RIK	W. AFRICA	
YD188	6.870	RIK	W. AFRICA	
YD189	6.870	RIK	W. AFRICA	
YD190	6.870	RIK	W. AFRICA	
YD191	6.870	RIK	W. AFRICA	
YD192	6.870	RIK	W. AFRICA	
YD193	6.870	RIK	W. AFRICA	
YD194	6.870	RIK	W. AFRICA	
YD195	6.870	RIK	W. AFRICA	
YD196	6.870	RIK	W. AFRICA	
YD197	6.870	RIK	W. AFRICA	
YD198	6.870	RIK	W. AFRICA	
YD199	6.870	RIK	W. AFRICA	
YD200	6.870	RIK	W. AFRICA	

SHORT WAVE STATIONS BY CALLS

KKO	11,950	KMKY	2,604	OXY	9,490	TISHM	5,520	WEL	8,950	WNC	2,414	WQFY	2,474	W3XAU	6,060	XGK	18,690	YDE5	18,690	YD02	2,350	YV9RC	6,400
KKW	11,780	KNLP	1,410	PCJ	17,200	TIRWS	7,550	WEL	13,435	WNE	4,098	WQZ	2,458	W3XAU	9,590	XGL	7,960	YDE5	18,690	YD03	3,470	YV10RCS	5,770
KKZ	11,890	KNLP	1,410	PKC	12,215	TYA	12,215	WEL	13,435	WNE	4,098	WQZ	2,458	W3XAU	9,590	XGL	7,960	YDE5	18,690	YD04	3,150	YV12RM	6,300
KLA	2,562	KNLP	1,410	PCM	9,040	TYA	12,215	WEL	13,435	WNE	4,098	WQZ	2,458	W3XAU	9,590	XGL	7,960	YDE5	18,690	YD05	3,150	ZBW	8,750
KLB	2,512	KNLP	1,410	PCV	17,830	TYB	12,250	WEL	9,448	WNE	1,622	WQZ	5,825	W3XAU	17,310	XGO	7,575	YD06	2,850	YD06	2,850	ZEB	6,147
KLC	2,562	KNLP	1,410	PDK	10,410	TYC	12,250	WEL	1,630	WNEK	1,630	WQZ	5,825	W3XAU	17,310	XGO	7,575	YD07	2,090	YD07	2,090	ZEC	6,000
KLE	2,512	KNLP	1,410	PDV	12,050	VAC	1,510	WEL	8,075	WNEK	6,615	WQZ	6,725	W3XAU	10,420	XGO	10,420	YD08	3,900	YD08	3,900	ZFA	5,025
KLF	2,512	KNLP	1,410	PEI	6,445	VAF	1,510	WEL	2,102	WNEK	2,060	WQZ	13,900	W3XAU	10,420	XGO	10,420	YD09	3,900	YD09	3,900	ZFB	10,055
KLG	2,738	KNLP	1,410	PEH	1,540	VBY	2,350	WEL	1,606	WNEF	2,358	WQZ	13,900	W3XAU	10,420	XGO	10,420	YD10	3,310	YD10	3,310	ZFD	18,335
KLH	2,304	KOLU	1,566	PHI	11,775	VBY	2,350	WEL	1,606	WNEF	2,358	WQZ	20,100	W3XAU	10,420	XGO	10,420	YD11	3,310	YD11	3,310	ZFO	18,335
KLJ	2,804	KOW	2,522	PLF	38,830	VDC	4,438	WEL	2,390	WNA	6,755	WQZ	2,458	W3XAU	10,420	XGO	10,420	YD12	3,310	YD12	3,310	ZFY	5,100
KLK	2,804	KOW	2,522	PLF	38,830	VDC	4,438	WEL	1,622	WNEH	1,622	WQZ	2,474	W3XAU	10,420	XGO	10,420	YD13	3,310	YD13	3,310	ZFG	4,512
KLM	2,804	KOW	2,522	PLF	38,830	VDC	4,438	WEL	1,622	WNEH	1,622	WQZ	2,474	W3XAU	10,420	XGO	10,420	YD14	3,310	YD14	3,310	ZFH	6,125
KLN	2,804	KOW	2,522	PLF	38,830	VDC	4,438	WEL	1,622	WNEH	1,622	WQZ	2,474	W3XAU	10,420	XGO	10,420	YD15	3,310	YD15	3,310	ZFI	6,060
KLO	2,804	KOW	2,522	PLF	38,830	VDC	4,438	WEL	1,622	WNEH	1,622	WQZ	2,474	W3XAU	10,420	XGO	10,420	YD16	3,310	YD16	3,310	ZFJ	6,080
KLP	2,804	KOW	2,522	PLF	38,830	VDC	4,438	WEL	1,622	WNEH	1,622	WQZ	2,474	W3XAU	10,420	XGO	10,420	YD17	3,310	YD17	3,310	ZFK	6,080
KLQ	2,804	KOW	2,522	PLF	38,830	VDC	4,438	WEL	1,622	WNEH	1,622	WQZ	2,474	W3XAU	10,420	XGO	10,420	YD18	3,310	YD18	3,310	ZFL	6,080
KLR	2,804	KOW	2,522	PLF	38,830	VDC	4,438	WEL	1,622	WNEH	1,622	WQZ	2,474	W3XAU	10,420	XGO	10,420	YD19	3,310	YD19	3,310	ZFM	6,080
KLS	2,804	KOW	2,522	PLF	38,830	VDC	4,438	WEL	1,622	WNEH	1,622	WQZ	2,474	W3XAU	10,420	XGO	10,420	YD20	3,310	YD20	3,310	ZFN	6,080
KLT	2,804	KOW	2,522	PLF	38,830	VDC	4,438	WEL	1,622	WNEH	1,622	WQZ	2,474	W3XAU	10,420	XGO	10,420	YD21	3,310	YD21	3,310	ZFO	6,080
KLU	2,804	KOW	2,522	PLF	38,830	VDC	4,438	WEL	1,622	WNEH	1,622	WQZ	2,474	W3XAU	10,420	XGO	10,420	YD22	3,310	YD22	3,310	ZFP	6,080
KLV	2,804	KOW	2,522	PLF	38,830	VDC	4,438	WEL	1,622	WNEH	1,622	WQZ	2,474	W3XAU	10,420	XGO	10,420	YD23	3,310	YD23	3,310	ZFQ	6,080
KLW	2,804	KOW	2,522	PLF	38,830	VDC	4,438	WEL	1,622	WNEH	1,622	WQZ	2,474	W3XAU	10,420	XGO	10,420	YD24	3,310	YD24	3,310	ZFR	6,080
KLX	2,804	KOW	2,522	PLF	38,830	VDC	4,438	WEL	1,622	WNEH	1,622	WQZ	2,474	W3XAU	10,420	XGO	10,420	YD25	3,310	YD25	3,310	ZFS	6,080
KLY	2,804	KOW	2,522	PLF	38,830	VDC	4,438	WEL	1,622	WNEH	1,622	WQZ	2,474	W3XAU	10,420	XGO	10,420	YD26	3,310	YD26	3,310	ZFT	6,080
KLZ	2,804	KOW	2,522	PLF	38,830	VDC	4,438	WEL	1,622	WNEH	1,622	WQZ	2,474	W3XAU	10,420	XGO	10,420	YD27	3,310	YD27	3,310	ZFU	6,080
KMA	2,804	KOW	2,522	PLF	38,830	VDC	4,438	WEL	1,622	WNEH	1,622	WQZ	2,474	W3XAU	10,420	XGO	10,420	YD28	3,310	YD28	3,310	ZFV	6,080
KMB	2,804	KOW	2,522	PLF	38,830	VDC	4,438	WEL	1,622	WNEH	1,622	WQZ	2,474	W3XAU	10,420	XGO	10,420	YD29	3,310	YD29	3,310	ZFW	6,080
KMC	2,804	KOW	2,522	PLF	38,830	VDC	4,438	WEL	1,622	WNEH	1,622	WQZ	2,474	W3XAU	10,420	XGO	10,420	YD30	3,310	YD30	3,310	ZFX	6,080
KMD	2,804	KOW	2,522	PLF	38,830	VDC	4,438	WEL	1,622	WNEH	1,622	WQZ	2,474	W3XAU	10,420	XGO	10,420	YD31	3,310	YD31	3,310	ZFY	6,080
KME	2,804	KOW	2,522	PLF	38,830	VDC	4,438	WEL	1,622	WNEH	1,622	WQZ	2,474	W3XAU	10,420	XGO	10,420	YD32	3,310	YD32	3,310	ZFZ	6,080
KMF	2,804	KOW	2,522	PLF	38,830	VDC	4,438	WEL	1,622	WNEH	1,622	WQZ	2,474	W3XAU	10,420	XGO	10,420	YD33	3,310	YD33	3,310	ZGA	6,080
KMG	2,804	KOW	2,522	PLF	38,830	VDC	4,438	WEL	1,622	WNEH	1,622	WQZ	2,474	W3XAU	10,420	XGO	10,420	YD34	3,310	YD34	3,310	ZGB	6,080
KMH	2,804	KOW	2,522	PLF	38,830	VDC	4,438	WEL	1,622	WNEH	1,622	WQZ	2,474	W3XAU	10,420	XGO	10,420	YD35	3,310	YD35	3,310	ZGC	6,080
KMI	2,804	KOW	2,522	PLF	38,830	VDC	4,438	WEL	1,622	WNEH	1,622	WQZ	2,474	W3XAU	10,420	XGO	10,420	YD36	3,310	YD36	3,310	ZGD	6,080
KMJ	2,804	KOW	2,522	PLF	38,830	VDC	4,438	WEL	1,622	WNEH	1,622	WQZ	2,474	W3XAU	10,420	XGO	10,420	YD37	3,310	YD37	3,310	ZGE	6,080
KMK	2,804	KOW	2,522	PLF	38,830	VDC	4,438	WEL	1,622	WNEH	1,622	WQZ	2,474	W3XAU	10,420	XGO	10,420	YD38	3,310	YD38	3,310	ZGF	6,080
KML	2,804	KOW	2,522	PLF	38,830	VDC	4,438	WEL	1,622	WNEH	1,622	WQZ	2,474	W3XAU	10,420	XGO	10,420	YD39	3,310	YD39	3,310	ZGG	6,080
KMN	2,804	KOW	2,522	PLF	38,830	VDC	4,438	WEL	1,622	WNEH	1,622	WQZ	2,474	W3XAU	10,420	XGO	10,420	YD40	3,310	YD40	3,310	ZGH	6,080
KMO	2,804	KOW	2,522	PLF	38,830	VDC	4,438	WEL	1,622	WNEH	1,622	WQZ	2,474	W3XAU	10,420	XGO	10,420	YD41	3,310	YD41	3,310	ZGI	6,080
KMP	2,804	KOW	2,522	PLF	38,830	VDC	4,438	WEL	1,622	WNEH	1,622	WQZ	2,474	W3XAU	10,420	XGO	10,420	YD42	3,310	YD42	3,310	ZGJ	6,080
KMQ	2,804	KOW	2,522	PLF	38,830	VDC	4,438	WEL	1,622	WNEH	1,622	WQZ	2,474	W3XAU	10,420	XGO	10,420	YD43	3,310	YD43	3,310	ZGK	6,080
KMR	2,804	KOW	2,522	PLF	38,830	VDC	4,438	WEL	1,622	WNEH	1,622	WQZ	2,474	W3XAU	10,420	XGO	10,420	YD44	3,310	YD44	3,310	ZGL	6,080
KMS	2,804	KOW	2,522	PLF	38,830	VDC	4,438	WEL	1,622	WNEH	1,622	WQZ	2,474	W3XAU	10,420	XGO	10,420	YD45	3,310	YD45	3,310	ZGM	6,080
KMT	2,804	KOW	2,522	PLF	38,830	VDC	4,438	WEL	1,622	WNEH	1,622	WQZ	2,474	W3XAU	10,420	XGO	10,420	YD46	3,310	YD46	3,310	ZGN	6,080
KMU	2,804	KOW	2,522	PLF	38,830	VDC	4,438	WEL	1,622	WNEH	1,622	WQZ	2,474	W3XAU	10,420	XGO	10,420	YD47	3,310	YD47	3,310	ZGO	6,080
KMV	2,804	KOW	2,522	PLF	38,830	VDC	4,438	WEL	1,622	WNEH	1,622	WQZ	2,474	W3XAU	10,420	XGO	10,420	YD48	3,310	YD48	3,310	ZGP	6,080
KMW	2,804	KOW	2,522	PLF	38,830	VDC	4,438	WEL	1,622	WNEH	1,622	WQZ	2,474	W3XAU	10,420	XGO	10,420	YD49	3,310	YD49	3,310	ZGQ	6,080
KMX	2,804	KOW	2,522	PLF	38,830	VDC	4,438	WEL	1,622	WNEH	1,622	WQZ	2,474	W3XAU	10,420	XGO	10,420	YD50	3,310	YD50	3,310	ZGR	6,080
KMY	2,804	KOW	2,522	PLF	38,830	VDC	4,438	WEL	1,622	WNEH	1,622	WQZ	2,474	W3XAU	10,420	XGO	10,420	YD51	3,310	YD51	3,310	ZGS	6,080
KMZ	2,804	KOW	2,522	PLF	38,830	VDC	4,438	WEL	1,622	WNEH	1,622	WQZ	2,474	W3XAU	10,420	XGO	10,420	YD52	3,310	YD52	3,310	ZGT	6,080
KNA	2,804	KOW	2,522	PLF	38,830	VDC	4,438	WEL	1,622	WNEH	1,622	WQZ	2,474	W3XAU	10,420	XGO	10,420	YD53	3,310	YD53	3,310	ZGU	6,080
KNB	2,804	KOW	2,522	PLF	38,830	VDC	4,438	WEL	1,622	WNEH	1,622	WQZ	2,474	W3XAU	10,420	XGO	10,420	YD54	3,310	YD54	3,310	ZGV	6,080
KNC	2,804	KOW	2,522	PLF	38,830	VDC	4,438	WEL	1,622	WNEH	1,622	WQZ	2,474	W3XAU	10,420	XGO	10,420	YD55	3,310	YD55	3,310	ZGW	6,080
KND	2,804	KOW	2,522	PLF	38,830	VDC	4,438	WEL	1,622	WNEH	1,622	WQZ	2,474	W3XAU	10,420	XGO	10,420	YD56	3,310	YD56	3,310	ZGX	6,080
KNE	2,804	KOW	2,522	PLF	38,830	VDC	4,438	WEL	1,622	WNEH	1,622	WQZ	2,474	W3XAU	10,420	XGO	10,420	YD57	3,310	YD57	3,310	ZGY	6,080
KNF	2,804	KOW	2,522	PLF	38,830	VDC	4,438	WEL	1,622	WNEH	1,622	WQZ	2,474	W3XAU	10,420	XGO	10,420	YD58	3,310	YD58	3,310	ZGZ	6,080

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THE BROADCASTING STATIONS OF AUSTRALASIA

This completely revised list of Australasian stations is compiled from official information supplied by A. I. Breen of Dunedin, New Zealand, and the Postmaster-General's Department of Melbourne, Australia.

AUSTRALIA		NEW CALEDONIA	
Adelaide	300	2KO	1410 500
5AD	1310	2NC	1230 2000
5CL	730	6AM	980 2000
5DN	960	6AK	1470 500
5KA	1200	2MO	1370 500
2AY	1480	3HA	1010 300
Applecross	500	7HO	860 120
6PR	880	7FL	620 1000
2AD	1080	2LV	820 103
4AY	860	4IP	1440 300
5BA	1320	6CF	720 2000
5BA	1320	6HG	1210 500
2BS	1500	6WV	1070 2000
3BO	970	2KA	1160 100
3MB	1490	7NT	710 7000
4BG	1120	7LA	1100 300
4BH	1380	2LM	900 500
4BK	1290	3GI	830 7000
4QK	800	4LG	1100 300
Broken Hill	100	3LK	1090 2000
2BH	1060	4MK	1080 100
4BU	1480	4XB	1060 100
Burnie	100	3AK	1500 200
7BU	660	3AV	1280 600
4CA	1390	3DB	1630 600
Canberra	500	3KZ	1180 600
2CA	1050	3LU	930 3500
Charleville	50	3NY	1420 600
4YL	1430	3MA	1360 100
4QN	600	6VA	560 10000
4QV	800	6MU	1340 200
2CO	670	2HD	1140 500
Crystal Brook	7500	2JV	920 400
5CK	640	2ZV	570 60000
5PT	1040	2YC	840 250
Denliquin	2000		
2QN	1440		
Dubbo	660		
2DU	100		
Geelong	1350		
3GL	1350		
Goulburn	200		
2GN	1390		

THE BROADCASTING STATIONS OF EUROPE

AUSTRIA		FRANCE		GERMANY		HUNGARY		NETHERLANDS		NORWAY		POLAND		PORTUGAL		ROMANIA		SPAIN		SWITZERLAND		YUGOSLAVIA		
Graz	886	Pietersaari	1500	Agen	832	Berlin	841	Budapest	No. 1	Oslo	1250	Warsaw	1250	Basel	1250	Bucharest	1250	Madrid	1250	Geneva	1250	Belgrade	1250	
Innsbruck	15000	OFD	749	Beziere	979	Bremen	1330	No. 1	Amsterdam	1250	Bratislava	1250	Brno	1250	Cardiff	1250	London	1250	London	1250	London	1250	London	1250
Klagenfurt	5000	Tampere	775	Bordeaux	1068	Breslau	950	No. 2	London	1250	Brno	1250	Brno	1250	Cardiff	1250	London	1250	London	1250	London	1250	London	1250
Linz	838	Turku	1429	Fecamp	1113	Caen	1195	No. 1	London	1250	Brno	1250	Brno	1250	Cardiff	1250	London	1250	London	1250	London	1250	London	1250
Salzburg	1348	Vaasa-Vasa	1429	Grenoble	583	Cologne	658	No. 2	London	1250	Brno	1250	Brno	1250	Cardiff	1250	London	1250	London	1250	London	1250	London	1250
Vienna	592	Vilpuri	1420	Lille	1213	Copenhagen	570	No. 1	London	1250	Brno	1250	Brno	1250	Cardiff	1250	London	1250	London	1250	London	1250	London	1250
Vorarlberg	1294	OFH	527	Limoges	895	Dresden	1285	No. 2	London	1250	Brno	1250	Brno	1250	Cardiff	1250	London	1250	London	1250	London	1250	London	1250
				Lyon	648	Dublin	1465	No. 1	London	1250	Brno	1250	Brno	1250	Cardiff	1250	London	1250	London	1250	London	1250	London	1250
				Montpellier	749	Geneva	1465	No. 2	London	1250	Brno	1250	Brno	1250	Cardiff	1250	London	1250	London	1250	London	1250	London	1250
				Nice	1185	Helsinki	895	No. 1	London	1250	Brno	1250	Brno	1250	Cardiff	1250	London	1250	London	1250	London	1250	London	1250
				Nimes	1492	Helsinki	895	No. 2	London	1250	Brno	1250	Brno	1250	Cardiff	1250	London	1250	London	1250	London	1250	London	1250
				Paris	695	Helsinki	895	No. 1	London	1250	Brno	1250	Brno	1250	Cardiff	1250	London	1250	London	1250	London	1250	London	1250
				Paris	959	Helsinki	895	No. 2	London	1250	Brno	1250	Brno	1250	Cardiff	1250	London	1250	London	1250	London	1250	London	1250
				Paris	1068	Helsinki	895	No. 1	London	1250	Brno	1250	Brno	1250	Cardiff	1250	London	1250	London	1250	London	1250	London	1250
				Paris	1348	Helsinki	895	No. 2	London	1250	Brno	1250	Brno	1250	Cardiff	1250	London	1250	London	1250	London	1250	London	1250
				Paris	1458	Helsinki	895	No. 1	London	1250	Brno	1250	Brno	1250	Cardiff	1250	London	1250	London	1250	London	1250	London	1250
				Paris	1040	Helsinki	895	No. 2	London	1250	Brno	1250	Brno	1250	Cardiff	1250	London	1250	London	1250	London	1250	London	1250
				Paris	1040	Helsinki	895	No. 1	London	1250	Brno	1250	Brno	1250	Cardiff	1250	London	1250	London	1250	London	1250	London	1250
				Paris	1040	Helsinki	895	No. 2	London	1250	Brno	1250	Brno	1250	Cardiff	1250	London	1250	London	1250	London	1250	London	1250
				Paris	1040	Helsinki	895	No. 1	London	1250	Brno	1250	Brno	1250	Cardiff	1250	London	1250	London	1250	London	1250	London	1250
				Paris	1040	Helsinki	895	No. 2	London	1250	Brno	1250	Brno	1250	Cardiff	1250	London	1250	London	1250	London	1250	London	1250
				Paris	1040	Helsinki	895	No. 1	London	1250	Brno	1250	Brno	1250	Cardiff	1250	London	1250	London	1250	London	1250	London	1250
				Paris	1040	Helsinki	895	No. 2	London	1250	Brno	1250	Brno	1250	Cardiff	1250	London	1250	London	1250	London	1250	London	1250
				Paris	1040	Helsinki	895	No. 1	London	1250	Brno	1250	Brno	1250	Cardiff	1250	London	1250	London	1250	London	1250	London	1250
				Paris	1040	Helsinki	895	No. 2	London	1250	Brno	1250	Brno	1250	Cardiff	1250	London	1250	London	1250	London	1250	London	1250
				Paris	1040	Helsinki	895	No. 1	London	1250	Brno	1250	Brno	1250	Cardiff	1250	London	1250	London	1250	London	1250	London	1250
				Paris	1040	Helsinki	895	No. 2	London	1250	Brno	1250	Brno	1250	Cardiff	1250	London	1250	London	1250	London	1250	London	1250
				Paris	1040	Helsinki	895	No. 1	London	1250	Brno	1250	Brno	1250	Cardiff	1250	London	1250	London	1250	London	1250	London	1250
				Paris	1040	Helsinki	895	No. 2	London	1250	Brno	1250	Brno	1250	Cardiff	1250	London	1250	London	1250	London	1250	London	1250
				Paris	1040	Helsinki	895	No. 1	London	1250	Brno	1250	Brno	1250	Cardiff	1250	London	1250	London	1250	London	1250	London	1250
				Paris	1040	Helsinki	895	No. 2	London	1250	Brno	1250	Brno	1250	Cardiff	1250	London	1250	London	1250	London	1250	London	1250
				Paris	1040	Helsinki	895	No. 1	London	1250	Brno	1250	Brno	1250	Cardiff	1250	London	1250	London	1250	London	1250	London	1250
				Paris	1040	Helsinki	895	No. 2	London	1250	Brno	1250	Brno	1250	Cardiff	1250	London	1250	London	1250	London	1250	London	1250
				Paris	1040	Helsinki	895	No. 1	London	1250	Brno	1250	Brno	1250	Cardiff	1250	London	1250	London	1250	London	1250	London	1250
				Paris	1040	Helsinki	895	No. 2	London	1250	Brno	1250	Brno	1250	Cardiff	1250	London	1250	London	1250	London	1250	London	1250
				Paris	1040	Helsinki	895	No. 1	London	1250	Brno	1250	Brno	1250	Cardiff	1250	London	1250	London	1250	London	1250	London	1250
				Paris	1040	Helsinki	895	No. 2	London	1250	Brno	1250	Brno	1250	Cardiff	1250	London	1250	London	1250	London	1250	London	1250
				Paris	1040	Helsinki	895	No. 1	London	1250	Brno	1250	Brno	1250	Cardiff	1250	London	1250	London	1250	London	1250	London	1250
				Paris	1040	Helsinki	895	No. 2	London	1250	Brno	1250	Brno	1250	Cardiff	1250	London	1250	London	1250	London	1250	London	1250
				Paris	1040	Helsinki	895	No. 1	London	1250	Brno	1250	Brno	1250	Cardiff	1250	London	1250	London	1250	London	1250	London	1250
				Paris	1040	Helsinki	895	No. 2	London	1250	Brno	1250	Brno	1250	Cardiff	1250	London	1250	London	1250	London	1250	London	1250
				Paris	1040	Helsinki	895	No. 1	London	1250	Brno	1250	Brno	1250	Cardiff	1250	London	1250	London	1250	London	1250	London	1250
				Paris	1040	Helsinki	895	No. 2	London	1250	Brno	1250	Brno	1250	Cardiff	1250	London	1250	London	1250	London	1250	London	1250
				Paris	1040	Helsinki	895	No. 1	London	1250	Brno	1250	Brno	1250	Cardiff	1250	London	1250	London	1250	London	1250	London	1250
				Paris	1040	Helsinki	895	No. 2	London	1250	Brno	1250	Brno	1250	Cardiff	1250	London	1250	London	1250	London	1250	London	1250
				Paris	1040	Helsinki	895	No. 1	London	1250	Brno	1250	Brno	1250	Cardiff	1250	London	1250	London	1250	London	1250	London	1250
				Paris	1040	Helsinki	895	No. 2	London	1250	Brno	1250	Brno	1250	Cardiff	1250	London	1250	London	1250	London	1250	London	1250
				Paris	1040	Helsinki	895	No. 1	London	1250	Brno	1250	Brno	1250	Cardiff	1250	London	1250	London	1250	London	1250	London	1250
				Paris	1040	Helsinki	895	No. 2	London	1250	Brno	1250	Brno	1250	Cardiff	1250	London	1250	London	1250	London	1250	London	1250
				Paris	1040	Helsinki	895	No. 1	London	1250	Brno	1250	Brno	1250	Cardiff	1250	London	1250	London	1250	London	1250	London	1250
				Paris	1040	Helsinki	895	No. 2	London	1250	Brno	1250	Brno	1250	Cardiff	1250	London	1250	London	1250	London	1250	London	1250
				Paris	1040	Helsinki	895	No. 1	London	1250	Brno	1250	Brno	1250	Cardiff	1250	London	1250	London	1250	London	1250	London	1250
				Paris	1040	Helsinki	895	No. 2	London	1250	Brno	1250	Brno	1250	Cardiff	1250	London	1250	London	1250	London	1250	London	1250
				Paris	1040	Helsinki	895	No. 1	London	1250	Brno	1250	Brno	1250	Cardiff	1250	London	1250	London	1250	London	1250	London	1250
				Paris	1040	Helsinki	895	No. 2	London	1250	Brno	1250	Brno	1250	Cardiff	1250	London	1250	London	1250	London	1250	London	1250
				Paris	1040	Helsinki	895	No. 1	London	1250	Brno	1250	Brno	1250	Cardiff	1250	London	1250	London	1250				

POLICE STATIONS OF NORTH AMERICA

WPIM	Orlando, Fla. (.05)	WASB	Decatur, Ill. (.1)	WQFF	Monessen, Pa.
WQFM	Wilkes-Barre, Pa. (.1)	WPDG	Youngstown, O. (.25)	WQFU	Sharon, Pa. (.05)
WQFQ	Lafayette, Ind. (.05)	WPDV	Charlottesville, N. C. (.25)	KACQ	2.490 Kaiseloch, Wash. (.01)
.....	Anderson, Ind. (.1)	WPF5	Asheville, N. C. (.5)	KADI	Oceanside, Calif. (.0375)
.....	Elwood, Ind. (.05)	WPGD	Rockford, Ill. (.04)	KADQ	Brea, Calif. (.05)
.....	Miami, Fla. (.04)	WPHD	Steuenville, O. (.1)	KGHD	Seattle, Wash. (.05)
.....	York, Pa. (.04)	WRBH	Ottawa, Ill. (.5)	KGHE	Snoqualmie Pass, Wash.
KACF	Chickasha, Okla. (.05)	.....	Clinton, Ohio (.04)	KGHQ	Chinook Pass, Wash.
KACL	Altus, Okla. (.05)	.....	Urbana, Ill. (.04)	KGHX	Santa Ana, Calif. (.4)
KACF	Fonca City, Okla. (.05)	KGOZ	2.466 Cedar Rapids, Iowa (.05)	KGZD	San Diego, Calif. (.05)
KACR	Seminole, Okla. (.05)	KGPD	San Francisco, Calif. (.05)	KGZU	Lincoln, Nebr. (.05)
KADQ	Hilo, Hawaii (.1)	KGPI	Omaha, Nebr. (.4)	KNFC	Fort Angeles, Wash.
KAPB	Cushing, Okla. (.05)	KGPK	Stout City, Iowa (.05)	KNFG	Olympia, Wash. (.05)
KAPC	Prumwright, Okla. (.05)	KGPN	San Jose, Calif. (.05)	KNFK	Bellingham, Wash. (.025)
KAPD	Edorado, Kans. (.05)	KGZG	Davenport, Iowa (.05)	KNFM	Compton, Calif. (.01)
KAPE	Norman, Okla. (.1)	WAKB	Des Moines, Iowa (.05)	KNFX	Ehlenburg, Wash. (.01)
KAFP	Oningee, Okla. (.05)	WAKG	New London, Conn. (.05)	KNQA	Satus Pass Camp, Wash.
KARD	Amore, Okla. (.05)	WPEC	Clearwater, Fla. (.05)	KNOB	Yakima, Wash. (.05)
KGHN	Hutchinson, Kans. (.05)	WPEM	Memphis, Tenn. (.05)	KNOC	Vancouver, Wash. (.05)
KGHP	Lynn, Okla. (.05)	WFFM	Woonsocket, R. I. (.05)	KNOD	Walla Walla, Wash. (.01)
KGPH	Oklahoma City, Okla. (.05)	WFFW	Fairfield, R. I. (.05)	KNQJ	El Centro, Calif. (.05)
KGPO	Okla. (.05)	WPGA	Bay City, Mich. (.05)	KNQN	Neotok, Nebr. (.025)
KGPE	Okla. (.05)	WPHN	Fort Huron, Mich. (.05)	KNQK	Wenatchee, Wash. (.05)
KGPF	Okla. (.05)	WPHP	Worcester, Mass. (.1)	KNR	Shokane, Wash. (.05)
KGZF	Chanute, Kans. (.025)	WQFA	Worcester, Mass. (.1)	KNZ	Ephrata, Wash. (.01)
KGZP	Coffeyville, Kans. (.05)	WQFC	Channah, Fla. (.05)	WAKA	Huntington, Ind. (.05)
KNGM	Duncan, Okla. (.05)	WQFK	Channah, Fla. (.05)	WAKK	Frankfort, Ind. (.05)
KNGT	Rapid City, S. Dak. (.05)	.....	Waterbury, Conn. (.05)	WAMI	Burlington, Ind. (.05)
KNHC	Ada, Okla. (.05)	KNHO	Las Vegas, Nev. (.05)	WAMJ	Natches, Miss. (.1)
KYPB	Huron, S. Dak. (.04)	KGHM	Reno, Nev. (.05)	WAMK	Jackson, Miss. (.05)
KWCM	Shawnee, Okla. (.1)	KNFH	Garden City, Kans. (.05)	WPDT	Kokomo, Ind. (.05)
WPK	Milwaukee, Wis. (.05)	KNGH	Dodge City, Kans. (.05)	WPPF	Fort Wayne, Ind. (.05)
WPEE	Brooklyn, N. Y. (.05)	WAKI	Sandusky, Ohio (.05)	WPGN	South Bend, Ind. (.1)
WPEF	Brooklyn, N. Y. (.05)	WPDF	Philadelphia, Pa. (.05)	WPGO	Huntington, N. Y. (.025)
WPEG	New York, N. Y. (.05)	WPFQ	Knorrville, Tenn. (.05)	WPGS	Minneapolis, Minn. (.05)
WPEP	Kenosha, Wis. (.1)	WPF5	Swartmore, Pa. (.05)	WPHI	Charleston, W. Va. (.05)
WPHF	Richmond, Va. (.15)	WPGZ	Asheville, N. C. (.5)	WPHJ	Fairmont, W. Va. (.1)
WQFG	Roanoke, Va. (.1)	WPHY	Johnson City, Tenn. (.05)	WPHK	Parkersburg, W. Va. (.05)
WQFH	Lynchburg, Va. (.05)	WQFY	Elizabethton, Tenn. (.1)	.....	Bluefield, W. Va. (.05)
WQFI	Petersburg, Va. (.25)	WRDQ	Maunfield, Ohio (.05)	.....	Greenville, Miss. (.05)
KACM	2.458 Big Spring, Texas (.05)	KGZE	Toledo, O. (.4)	.....	Marion, Ind. (.05)
KADR	Abilene, Texas (.04)	WPGT	San Antonio, Tex. (.05)	.....	Portable in Wash. (.05)
KGZI	Wichita Falls, Texas (.2)	WPHZ	New Castle, Pa. (.05)	.....	Oil City, Pa. (.05)
KGZW	Lubbock, Texas (.15)	.....	.....	.....	.....
KNFB	Idaho Falls, Idaho (.5)	.....	.....	.....	.....
KNGW	Brownwood, Texas (.05)	.....	.....	.....	.....
WAMN	Lorain, Ohio (.05)	.....	.....	.....	.....

AIRWAY Weather Broadcasts

• • • By MARTIN J. OLTHOFF

MANY of the new type radio receivers are equipped with the so-called "X" band covering radio frequencies from 200 to 400 kilocycles and it is believed most persons having this band available will be interested in knowing what may be heard.

The long wave band is set aside for airway beacons, weather and ship broadcasts.



The Airway weather reports are broadcast by voice at regular intervals and the listening public will find the schedule which follows convenient when forecasts are desired, or just to build up their logs.

The numbers following the call letters indicate the number of minutes past the hour the station transmits weather. For example, WWAH broadcasts 10, 15 and 27 minutes past every hour.

Albany, 365 kcs, WWAH. 10-15-27, 236 kcs, WWAH. 10-27
 Albuquerque, 230 kcs, KCAF. 0-5-29
 Amarillo, 248 kcs, KCAG. 0-5-15-29
 Atlanta, 236 kcs, WHZ. 0-31, 266 kcs, WHZ. 0-15-31-50-55
 Bellefonte, 224 kcs, WWQ. 5-29-55
 Big Spring, 326 kcs, KCAP. 10-29
 Billings, 242 kcs, KCDK. 5-15-29
 Birmingham, 224 kcs, WWAT. 10-29
 Bismark, 230 kcs, KCDV. 5-29
 Boise, 350 kcs, KCR. 0-29
 Boston, 263 kcs, WSX. 0-15-29
 Buffalo, 236 kcs, WWAB. 15-29
 Butte, 284 kcs, KCAC. 0-15-29
 Chanute Field, 365 kcs, WYJ. 0-30
 Charleston, 329 kcs, WWAW. 29-55

Chattanooga, 341 kcs, WWHS. 29-50
 Cheyenne, 236 kcs, KSG. 29-55, 326 kcs, KSG. 5-10-29-50-55
 Chicago, 236 kcs, KDA. 2-10-33-53
 Cincinnati, 236 kcs, WWAS. 5-15-27-55
 Cleveland, 236 kcs, WWO. 0-10-31-50
 Davenport, 224 kcs, KCCU. 29-55
 Detroit, 230 kcs, WWHU. 29-50
 Elko, 391 kcs, KOJ. 29-50
 Elmira, 385 kcs, WWIF. 15-29
 El Paso, 242 kcs, KCAO. 5-15-29
 Fargo, 365 kcs, KCAN. 0-29-50
 Ft. Worth, 236 kcs, KKKJ. 15-25-55, 365 kcs, KKKJ. 10-15-25-29-55
 Fresno, 344 kcs, KCU. 29-55
 Goshen, 320 kcs, WWIE. 29-50
 Greensboro, 365 kcs, WRW. 29-55
 Hamilton Field, 220 kcs, WYH. 5-35
 Harrisburg, 242 kcs, WWHP. 5-29-50
 Helena, 371 kcs, KCDH. 0-29
 Houston, 236 kcs, KCAU. 10-32, 332 kcs, KCAU. 10-15-29-32
 Idaho Falls, 359 kcs, KCAD. 10-29
 Jackson, 260 kcs, WWAQ. 10-15-29
 Jacksonville, 236 kcs, WWAV. 1-27, 344 kcs, WWAV. 1-27-50-55
 Kansas City, 236 kcs, KRC. 5-29, 359 kcs, KRC. 5-29-50
 Kelly Field, 344 kcs, AFI. 50
 Key West, 236 kcs, WBP. 55, 332 kcs, WBP. 29-55
 Kingman, 350 kcs, KCAH. 5-10-29
 Knoxville, 257 kcs, WWIM. 10-29
 La Crosse, 371 kcs, WSG. 5-29
 Langley Field, 227 kcs, WYC. 0-30
 Little Rock, 272 kcs, KCAJ. 15-29
 Los Angeles, 260 kcs, KCT. 0-5-10-15-29-50
 March Field, 272 kcs, WYM. 5-35
 Maxwell Field, 219 kcs, WYK. 30
 Medford, 263 kcs, KCX. 29-50
 Memphis, 371 kcs, WWAU. 10-15-29
 Miami, 272 kcs, WWAF. 29-55
 Miles City, 320 kcs, KCAZ. 15-29
 Milford, 320 kcs, KCAT. 15-29

Minneapolis, 266 kcs, KCAQ. 0-5-10-29
 St. Louis, 209 kcs, KCQ. 0-5-15-29-31, 236 kcs, KCQ. 15-31
 Salt Lake City, 236 kcs, KGD. 29-55, 338 kcs, KGD. 5-10-15-29-50-55
 San Antonio, 254 kcs, KCAW. 10-15-29
 San Diego, 224 kcs, KEAO. 29-55
 Seattle, 236 kcs, KCZ. 5-29, 260 kcs, KCZ. 5-29-50
 Shreveport, 230 kcs, KCAK. 15-29
 Spartanburg, 236 kcs, WFT. 55, 248 kcs, WFT. 29-50
 Spokane, 365 kcs, KCAS. 0-29-50
 Springfield, Mo. 254 kcs, KCAV. 5-29
 Tusculum, 254 kcs, WWBC. 29-50
 Tucson, 338 kcs, KCAM. 15-29
 Tulsa, 296 kcs, KCAA. 5-29-55
 Waco, 385 kcs, KCDT. 10-29
 Washington, 236 kcs, WWX. 0-10-29-50
 Wichita, 332 kcs, WEX. 5-29-50
 Winslow, 266 kcs, KCAE. 0-29
 Wright Field, 379 kcs, WYYA. 0

THE BROADCASTING STATIONS OF OCEANIA

This completely revised list of Australasian stations is compiled from official information supplied by A. I. Breen of Dunedin, New Zealand, and the Postmaster-General's Department of Melbourne, Australia.

Frequencies are given in first column in kilocycles. Call letters are in second column, and power in watts in third column.

The abbreviations are N. Z. for New Zealand, P. I. for the Philippine Islands, and for the Australian states:

F. C. T., Federal Capital Territory
 N. S. W., New South Wales
 Qsld., Queensland
 S. A., South Australia
 Tas., Tasmania
 Vic., Victoria
 W. A., West Australia

550	2CR	10000	Cummock, N.S.W.	750	KGU	2500	Honolulu, Hawaii
560	6WA	10000	Minding, W. A.	760	2YB	100	New Plymouth, N. Z.
570	2YA	60000	Wellington, N. Z.	770	3LO	3500	Melbourne, Vic.
580	3WV	10000	Horseshoe, Vic.	780	KZEG	1000	Manila, Philippines
600	FJP	500	Noumea, New Caledonia	790	4YA	10000	Dunedin, N. Z.
600	7FL	1000	Hobart, Tas.	800	4CG	2500	Brisbane, Qsld.
610	KZRM	50000	Manila, Philippines	820	2GH	65	Sapler, N. Z.
620	3AR	4500	Sydney, N.S.W.	830	3HJ	7000	Longford, Vic.
630	4QN	7000	Melbourne, Vic.	840	2YC	5000	Wellington, N. Z.
640	5CK	7500	Clevedon, Qsld.	850	5RM	1000	Renmark, S. A.
650	1YA	10000	Auckland, N. Z.	860	4AY	120	Hobart, Tas.
660	2DU	100	Dubbo, N.S.W.	870	2CB	1000	Sydney, N.S.W.
670	2BU	100	Burnie, Tas.	880	1YX	150	Auckland, N. Z.
680	2HR	7500	Corowa, N.S.W.	890	KZIB	1000	Apia, S.S.W.
680	4FP	300	Singleton, N.S.W.	900	2XJ	100	Cooma, N.S.W.
690	6WF	3500	Invercargill, N. Z.	910	2LM	500	Manila, P. I.
700	7NT	7000	Ferris, W. A.	920	2ZP	250	Lismore, N.S.W.
710	7NR	7000	Grafton, N.S.W.	930	7OT	100	Queensland, Tas.
720	8CF	10000	Christchurch, N. Z.	940	4RK	2000	Rockhampton, Qsld.
730	5CL	4000	Kaigoorie, W. A.	950	2ZR	400	Suva, Fiji
740	2BL	3000	Adelaide, S. A.	960	3UZ	600	Nelson, N. Z.
			Sydney, N.S.W.				Melbourne, Vic.

400	3ZR	940	Greymouth, N. Z.	1250	1ZM	175	Manurewa, N. Z.
1000	2UE	950	Sydney, N.S.W.	1260	3SR	2000	Shepparton, Vic.
250	2ZF	960	Palmerston North, N. Z.	1270	2SM	1000	Sydney, N.S.W.
500	3BO	970	Adelaide, S. A.	1280	3AW	600	Melbourne, Vic.
200	3DN	980	Bendigo, Vic.	1290	4BK	20	Cronwell, N. Z.
200	2KM	980	Kempsey, N.S.W.	1300	2TM	2000	Brisbane, Qsld.
2000	6AM	990	Northam, W. A.	1310	1ZJ	65	Tamworth, N.S.W.
2000	2GZ	1000	Orange, N.S.W.	1320	5AD	500	Auckland, N. Z.
500	4GR	1010	Toowoomba, Qsld.	1330	3BA	1000	Adelaide, S. A.
750	3HA	1010	Hamilton, Vic.	1340	4RW	500	Honolulu, Hawaii
42M	4ZD	1020	Dunedin, N. Z.	1350	3GL	100	Ballsarat, Vic.
60	2KY	1020	Dunedin, N. Z.	1360	3MA	100	Swan Hill, Vic.
600	3DB	1030	Melbourne, Vic.	1370	2AO	100	Rockhampton, Qsld.
2000	5PI	1040	Crystal Brook, S. A.	1380	4BH	1000	Warwick, Qsld.
500	2GA	1050	Canberra, P. C. T.	1390	2GN	200	Mount Gambler, S. A.
1000	2BH	1060	Broken Hill, N.S.W.	1400	6PM	100	Geelong, Vic.
1070	6WB	1070	Katanning, W. A.	1410	2KO	200	Mildura, Vic.
1080	2AD	1080	Armidale, N.S.W.	1420	3XY	800	Port Moresby, Papua
43MK	7HT	1090	Nisackay, Qsld.	1430	2WL	300	Gunnedah, N.S.W.
300	4UK	1100	Hobart, Tas.	1440	4VN	50	Brisbane, Qsld.
150	1ZR	1100	Auckland, N. Z.	1450	4ZP	100	Goulburn, N.S.W.
3LK	4LG	1100	Lakeba, Vic.	1460	2UV	300	Calra, Qsld.
500	7LA	1110	Longreach, Qsld.	1470	2MV	100	Fremantle, W. A.
750	2UV	1120	Launceston, Tas.	1480	2AY	100	Hilo, Hawaii
1000	2ZB	1130	Sydney, N.S.W.	1490	2BE	100	Palmerston North, N. Z.
1000	4BC	1140	Wellington, N. Z.	1500	3MB	100	Maryborough, Qsld.
500	6ML	1150	Brisbane, Qsld.	1510	3AK	200	Newcastle, N.S.W.
500	4HD	1160	Perth, W. A.				Meibourne, Vic.
150	4YO	1170	Newcastle, N.S.W.				Wollongong, N.S.W.
2000	2VG	1180	Wagga, N.S.W.				.....
15	2ZM	1190	Gisborne, N. Z.				Charleville, Qsld.
200	2KA	1200	Katoomba, N.S.W.				Deslignin, N.S.W.
200	4TO	1210	Townsville, Qsld.				Ipswich, Qsld.
2000	2NZ	1220	Inverell, N.S.W.				Roma, Qsld.
600	3KZ	1230	Melbourne, Vic.				Murray Bridge, S. A.
1000	2CH	1240	Sydney, N.S.W.				Ulverstone, Tas.
500	3YL	1250	Christchurch, N. Z.				Murwillumbah, N.S.W.
500	5KA	1260	Adelaide, S. A.				Griffith, N.S.W.
100	2GF	1270	Grafton, N.S.W.				Christchurch, N. Z.
3YB	3YB	1280	Warmanbool, Vic.				Abury, N.S.W.
6KQ	4AK	1290	Kaigoorie, W. A.				Bundaberg, Qsld.
2000	4ZB	1300	Oakey, Qsld.				Bega, N.S.W.
2000	2NC	1310	Dunedin, N. Z.				Birehip, Vic.
20	2ZL	1320	Newcastle, N.S.W.				Bathurst, N.S.W.
3TR	6LX	1330	Sale, Vic.				Melbourne, Vic.
500		1340	Perth, W. A.				Tandjongpriok, Java, N.E. I.

South American Broadcasting Stations

570	CB57	5000	Santiago, Chile	1250	1ZM	175	Manurewa, N. Z.
580	CC58	500	Temuco, Chile	1260	3SR	2000	Shepparton, Vic.
PRC5	PRC5	250	Pelota, Brazil	1270	2SM	1000	Sydney, N.S.W.
PRG5	PRG5	950	Santos, Brazil	1280	3AW	600	Melbourne, Vic.
LS10	LS10	6000	Buenos Aires, Argentina	1290	4BK	20	Cronwell, N. Z.
PRG7	PRG7	250	Jahu, Brazil	1300	2TM	2000	Brisbane, Qsld.
600	PRH2	25000	Porto Alegre, Brazil	1310	1ZJ	65	Tamworth, N.S.W.
610	CX4	1000	Montevideo, Uruguay	1320	5AD	500	Auckland, N. Z.
620	CB62	1000	Santiago, Chile	1330	3BA	1000	Adelaide, S. A.
630	LV3	2000	Santiago, Chile	1340	4RW	500	Honolulu, Hawaii
630	CA63	5000	Iquique, Chile	1350	3GL	100	Ballsarat, Vic.
LS3	LS3	250	Buenos Aires, Arg.	1360	3MA	100	Swan Hill, Vic.
PRD6	PRD6	250	Pracitaba, Brazil	1370	2AO	100	Rockhampton, Qsld.
640	CC64	1000	Vina del Mar, Chile	1380	4BH	1000	Warwick, Qsld.
650	CX6	2000	Concepcion, Chile	1390	2GN	200	Mount Gambler, S. A.
670	LS4	7000	Buenos Aires, Arg.	1400	6PM	100	Geelong, Vic.
PRC7	PRC7	2000	Ribeirao Preto, Brazil	1410	2KO	200	Mildura, Vic.
			Belem, Brazil	1420	3XY	800	Port Moresby, Papua
			Radio Club do Para	1430	2WL	300	Gunnedah, N.S.W.
			Radio Cajae, Cavancha	1440	4VN	50	Brisbane, Qsld.
			Radio Club de Piracicaba	1450	4ZP	100	Goulburn, N.S.W.
			La Union de Rectos, Av. Portales 528	1460	2UV	300	Calra, Qsld.
			Hucke y Cia., Ltda., Freire 799	1470	2MV	100	Fremantle, W. A.
			Estacion Oficial, Mercedes 823	1480	2AY	100	Hilo, Hawaii
			Rua Tiberica 26	1490	2BE	100	Palmerston North, N. Z.
				1500	3MB	100	Maryborough, Qsld.
				1510	3AK	200	Newcastle, N.S.W.
					YDA	500	Meibourne, Vic.
							Wollongong, N.S.W.
						
							Charleville, Qsld.
							Deslignin, N.S.W.
							Ipswich, Qsld.
							Roma, Qsld.
							Murray Bridge, S. A.
							Ulverstone, Tas.
							Murwillumbah, N.S.W.
							Griffith, N.S.W.
							Christchurch, N. Z.
							Abury, N.S.W.
							Bundaberg, Qsld.
							Bega, N.S.W.
							Birehip, Vic.
							Bathurst, N.S.W.
							Melbourne, Vic.
							Tandjongpriok, Java, N.E. I.

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The BROADCASTING Stations of the WORLD

All the world's broadcasting stations which use at least 1000 watts of power, are shown in this list. Frequencies are given in the first column, the power in kilowatts in the second column.

153	5	Ankara, Turkey	375	50	Sverdlovsk, U.S.S.R.
155	7	Kaunas, Lithuania	392	30	Banska Bystrica, Czechoslovakia
160	150	Hilversum, Netherlands	401	1 1/4	Geneva, Switzerland
166	220	Brasov, Roumania	415	10	Voronezh, U.S.S.R.
172	500	Lahti, Finland	510	50	Innsbruck, Germany
180	100	Moscow, U.S.S.R.	527	6.3	Ljubljana, Yugoslavia
182	80	Shinkyo, Manchukuo	527	10	Vijuri, Finland
185	5	Paris, France	530	10	Bolzano, Italy
191	60	Istanbul, Turkey	536	50	Wilno, Poland
200	20	Berlin, Germany	546	120	Budapest, Hungary
200	150	Dröitwich, Gt. Britain	550	100	Beromunster, Switzerland
208	35	Irkutsk, C.S.S.R.	560	10	Cumock, Australia
208	16	Minsk, U.S.S.R.	560	10	Shinkyo, Manchukuo
216	150	Motala, Sweden	560	10	Chengtu, China
218	100	Reykjavik, Iceland	560	10	Grahamstown, U. S. Africa
224	120	Novosibirsk, U.S.S.R.	565	100	Minding, Australia
224	120	Warsaw, Poland	565	100	Athlone, Irish Free State
232	150	Luxembourg	570	5	Memel, Lithuania
232	100	Moscow, U.S.S.R.	570	3	Palermo, Italy
240	60	Kalundborg, Denmark	570	60	Santiago, Chile
248	100	Kiev, U.S.S.R.	580	1	Wellington, New Zealand
256	25	Tashkent, U.S.S.R.	580	1	Stuttgart, Germany
260	60	Oslo, Norway	580	1	Taichu, Formosa
260	1	Bergen, Norway	583	20	Taipei, Formosa
260	1	Vigre, Norway	583	20	Horsham, Australia
271	100	Leningrad, U.S.S.R.	583	20	Alpes-Grenobles, France
283	35	Tiflis, U.S.S.R.	590	6	Madona, Latvia
300	100	Moscow, U.S.S.R.	590	6	Buenos Aires, Argentina
340	20	Saratov, U.S.S.R.	590	130	Tokyo, Japan
347	10	Finmark, Norway	592	100	Vienna, Germany
350	20	Archangel, U.S.S.R.	600	25	Rabat, Morocco
355	20	Boston-on-Don, U.S.S.R.	600	25	Porto Alegre, Brazil
360	20	Budapest, Hungary	600	25	PRH2
750	2.5	KGU	750	10	JFAK
750	10	LRA	600	10	SBD
750	1	XGOK	600	10	ZTC
750	1.5	ZTD	601	15	7ZL
750	12	.....	610	1	CX4
750	10	CB76	610	20	IOJK
760	10	JOAK1	610	3	KZRM
760	10	PRAG	610	3.5	ZFC
760	10	XMHD	620	1	CB62
767	60	.....	620	2	LV3
767	70	.....	620	4.5	3AR
770	1	CX12	620	15	.....
770	1	JOHK	620	20	CTIAA
770	3.5	3LO	629	20	LS3
770	10	.....	629	20	4QN
776	120	.....	630	7	.....
780	1	KZEG	630	120	.....
780	5	LT1	638	10	ZTJ
780	120	.....	640	10	CB64
790	7.5	EOJK	640	7.5	5CK
790	11	LR10	648	100	.....
790	10	XGOV	648	100	.....
790	10	4YA	650	2	CX6
800	1.5	PRAG	650	10	1YA
800	2.5	4QG	658	100	XGZ
804	70	.....	668	20	NR
804	5	JOIK	670	7	LS4
810	3	VUC	670	20	PRC5
810	3	CX14	670	7.5	2CO
814	50	.....	674	3	MTFY
820	1	CB82	677	100	.....
820	12	LV7	680	1	CB68
820	12	.....	680	5	PRC2
830	10	JOFK	680	5	4YZ
830	20	LR3	686	20	JOBK1
830	7	3GI	690	3.5	6WF
832	35	.....	695	120	VPB
832	10	.....	700	5	2NR
832	10	.....	700	5	.....
840	1	JOFK	700	55	JODK2
840	5	PRH9	710	5	LS1
840	5	2YC	710	7	7NT
841	100	.....	710	1	XGOS
845	2	ZBW	713	120	.....
850	2	CX16	720	25	JFBK
850	3	EJ13	720	10	3YA
850	10	JBCK	720	10	6GF
850	10	OAX4A	722	1	.....
850	1	5RM	722	17	.....
850	10	.....	722	10	CB73
850	100	.....	730	3	EAI2
855	2.5	HSP1	730	5.5	EAI5
855	3	VUB	730	10	JOCK1
859	100	.....	730	1	LV1
868	50	.....	730	4	5CL
870	26	LR6	730	20	.....
870	1	2GB	740	1	JOJK
877	70	PR13	740	10	PRAG
880	22	.....	740	3	2BL
880	15	.....	740	100	.....
882	20	VUD	740	1	.....
886	15	.....	749	120	HS7P1
890	1	CB89	750	10	JFAK

890	1.5	CX18	Montevideo, Uruguay	1065	1	JQAK2	Dairen, Manchukuo	1230	1	CX36	Montevideo, Uruguay	1348	2	.....	Konigsberg, Germany
890	1.5	MTBY	Hoten, Manchukuo	1068	2	.....	Paris, France	1258	1	.....	Bilbao, Spain	1348	2	.....	Salzburg, Germany
890	1.5	ZFY	Asuncion, Paraguay	1068	10	.....	Tiraspol, U.S.S.R.	1258	15	.....	Riga, Latvia	1350	6	LS6	Buenos Aires, Argentina
895	1.5	.....	Helsinki, Finland	1070	50	LRI	Katanning, Argentina	1258	1	.....	Rome, Italy	1350	2	XGOE	Nanning, China
895	1.5	.....	Limoges, France	1070	2	6WB	Buenos Aires, Argentina	1258	1	.....	Salamanca, Spain	1357	2	.....	Bari, Italy
900	1	CB90	Valparaiso, Chile	1070	13	.....	Rosaria, France	1260	5	PRA5	Sao Paulo, Brazil	1357	5	.....	Genoa, Italy
900	1	KZIB	Manila, P. I.	1077	4.5	LT3	Bordeaux, France	1260	2	3SR	Shepparton, Australia	1357	4	.....	Milan, Italy
900	2	LU2	Bahia Blanca, Arg.	1080	10	SCC	Falun, Sweden	1260	6	LS9	Buenos Aires, Arg.	1357	4	.....	Rome, Italy
900	5	PRB7	Rio de Janeiro, Brazil	1080	10	.....	Poa Posos, Brazil	1270	6	2SM	Buenos Aires, Arg.	1360	5	PRC8	Rio de Janeiro, Brazil
910	12	LRK	Buenos Aires, Arg.	1090	1.05	CX28	Montevideo, Uruguay	1270	27	.....	Sydney, Australia	1360	5	CB138	Watsaw, Poland
910	2	4RK	Rockhampton, Australia	1090	2	3LK	Lubeck, Australia	1276	2	.....	Juan-les-Pins, France	1380	1	4BH	Santiago, Chile
913	60	.....	Shanghai, China	1095	10	PRG9	Vinnitsa, U.S.S.R.	1280	25	PRG3	Rio de Janeiro, Brazil	1380	1	.....	Brisbane, Australia
920	1	.....	Brno, Czechoslovakia	1100	50	.....	Sao Paulo, Brazil	1280	1	.....	Abderden, Gt. Britain	1384	7	.....	Warsaw, Poland
920	32	CB93	Santiago, Chile	1104	25	.....	Kuldiga, Latvia	1294	5	.....	Kiagenfurt, Germany	1390	1	CB139	Warsaw, Poland
930	1	CX20	Montevideo, Uruguay	1110	1	CB111	Napies, Italy	1294	5	.....	Vorabirger, Germany	1390	2.5	.....	Lyons, France
930	15	LS5	Brussels, Belgium	1110	10	LS5	Vina del Mar, Chile	1300	1	CB130	Santiago, Chile	1400	5	PRD5	Rio de Janeiro, Brazil
940	10	JOBK2	Osaka, Japan	1113	100	LS5	Buenos Aires, Arg.	1300	5	CPX	La Paz, Bolivia	1402	2	CW37	Stara-Zagora, Bulgaria
940	10	PRF4	Rio de Janeiro, Brazil	1120	5	LV5	Melnic, Czechoslovakia	1300	3	PRH6	Bello Horizonte, Brazil	1410	5	PRF7	Colonia, Uruguay
940	10	SB8	Goteborg, Sweden	1120	5	PRH8	San Juan, Arg.	1300	2	XQHC	Shanghai, China	1410	15	.....	Sao Paulo, Brazil
940	12	XHHE	Shanghai, China	1120	1	YVIRP	Rio de Janeiro, Brazil	1300	2	2TM	Tamworth, Australia	1420	2	PRB2	Fecamp, France
940	31	LR3	Algiers, Algeria	1120	1	4BC	Maracaiba, Venezuela	1310	10	LS11	La Plata, Arg.	1420	2	.....	Curitiba, Brazil
950	1	2UE	Buenos Aires, Argentina	1122	6	.....	Brisbane, Australia	1312	2.5	.....	Malmo, Sweden	1430	5	PRF2	Kaiserlautern, Germany
950	100	.....	Sydney, Australia	1122	60	.....	Nyregyhazi, Hungary	1320	1	CB132	Valparaiso, Chile	1430	3	PRF2	Rio de Janeiro, Brazil
950	60	.....	Breslau, Germany	1130	1	CX30	Stagshaw, Gt. Britain	1320	1	HAE2	Magyarois, Hungary	1430	1.2	3ZB	Christchurch, New Zealand
950	60	.....	Paris, France	1130	1	ZP1	Montevideo, Uruguay	1320	1	KGMB	Honolulu, Hawaii	1438	1.2	.....	Miskolc, Hungary
960	2	LV2	Cordoba, Arg.	1130	1	2ZB	Asuncion, Paraguay	1320	2	PRD8	Nichteroy, Brazil	1440	10	LS7	Buenos Aires, Arg.
960	5	PRF3	Sao Paulo, Brazil	1131	100	SBH	Wellington, New Zealand	1320	2	PRF9	Fortaleza, Brazil	1440	3	PRF9	Porto Alegre, Brazil
960	5	XHHF	Odessa, U.S.S.R.	1140	5	CB114	Horby, Sweden	1320	2	PRH4	Sao Paulo, Brazil	1450	1	PRB4	Santos, Brazil
960	5	YV3RA	Shanghai, China	1140	10	.....	Santiago, Chile	1330	2	.....	Bremen, Germany	1456	5	.....	Paris, France
968	30	CB97	Bordeaux, France	1140	10	.....	Genoa, Italy	1330	2	.....	Hanover, Germany	1460	5	.....	Dresden, Germany
970	50	JODK1	Keijo, Korea	1140	7	.....	Turin, Italy	1330	2	.....	Kiel, Germany	1465	1.2	.....	Pecs, Hungary
974	1	HCJB	Quito, Ecuador	1149	30	.....	London, Gt. Britain	1339	2	.....	Stettin, Germany	1470	1	PRE6	Nichteroy, Brazil
977	100	PRE8	Belfast, Gt. Britain	1149	20	.....	Cardiff, Gt. Britain	1359	2	.....	Lodz, Poland	1474	1	.....	Bournemouth, Gt. Britain
980	20	YV1RB	Rio de Janeiro, Brazil	1150	1	XGOZ	Manchester, Gt. Britain	1359	5	.....	Montpellier, France	1480	10	PRD3	Petropolis, Brazil
980	24	6AM	San Cristobal, Venez.	1150	2	2WG	Buenos Aires, Arg.	1340	1	CB134	Santiago, Chile	1500	10	CB150	Santiago, Chile
980	24	.....	Northam, Australia	1158	10	CB116	Chinkiang, China	1340	5	PRE4	Sao Paulo, Brazil	1500	2	YUP	Peshawar, India
986	50	IOCK2	Bologna, Italy	1160	5	PRH3	Wagga, Australia	1350	2	.....	.....	.....	.....	.....	.....
990	16	LR4	Nagoya, Japan	1167	15	2NZ	Kosice, Poland	1350	2	.....	.....	.....	.....	.....	.....
990	2	XGOD	Buenos Aires, Arg.	1170	10	.....	Valparaiso, Chile	1359	2	.....	.....	.....	.....	.....	.....
990	2	2GZ	Orange, Australia	1176	10	.....	Sao Paulo, Brazil	1359	2	.....	.....	.....	.....	.....	.....
995	60	.....	Hilversum, Netherlands	1185	60	.....	Monte Ceneri, Switzerland	1359	2	.....	.....	.....	.....	.....	.....
1000	2	HJ3ABH	Bogota, Colombia	1190	30	LS2	Inverell, Australia	1359	2	.....	.....	.....	.....	.....	.....
1000	10	PRB9	Sao Paulo, Brazil	1190	5	CB118	Copenhagen, Denmark	1359	2	.....	.....	.....	.....	.....	.....
1000	14	.....	Bratislava, Czechoslovakia	1190	2	2CH	Santiago, Chile	1359	2	.....	.....	.....	.....	.....	.....
1010	1	CB101	Santiago, Chile	1190	2	.....	Nice-Corse, France	1359	2	.....	.....	.....	.....	.....	.....
1010	1	CX24	Montevideo, Uruguay	1190	2	.....	Buenos Aires, Arg.	1359	2	.....	.....	.....	.....	.....	.....
1010	2	XGOW	Hankow, China	1195	25	.....	Sydney, Australia	1359	2	.....	.....	.....	.....	.....	.....
1013	4	.....	Chernigov, U.S.S.R.	1195	5	.....	Coblenz, Germany	1359	2	.....	.....	.....	.....	.....	.....
1013	70	.....	Davenport, Gt. Britain	1195	5	.....	Frankfurt-am-Main, Germany	1359	2	.....	.....	.....	.....	.....	.....
1020	3	EJ15	Barcelona, Spain	1200	1	CB120	Freiburg-im-Breisgau, Germany	1359	2	.....	.....	.....	.....	.....	.....
1020	2	2KY	Sydney, Australia	1200	1	HJ3ABE	Valparaiso, Chile	1359	2	.....	.....	.....	.....	.....	.....
1020	2	.....	Cracow, Poland	1200	1	PRB6	Bogota, Colombia	1359	2	.....	.....	.....	.....	.....	.....
1030	5	CT1GL	Parade, Portugal	1204	5	.....	Sao Paulo, Brazil	1359	2	.....	.....	.....	.....	.....	.....
1030	5	LR9	Buenos Aires, Arg.	1213	60	.....	Lille, France	1359	2	.....	.....	.....	.....	.....	.....
1030	1	XGOL	Foochow, China	1220	25	PRA9	Rio de Janeiro, Brazil	1359	2	.....	.....	.....	.....	.....	.....
1040	10	CP4	Konigsberg, Germany	1220	1	4AK	Oakey, Australia	1359	2	.....	.....	.....	.....	.....	.....
1040	10	PRG2	La Paz, Bolivia	1220	1	4ZB	Dunedin, New Zealand	1359	2	.....	.....	.....	.....	.....	.....
1040	10	.....	Cystal Broo, Australia	1222	60	.....	Rome, Italy	1359	2	.....	.....	.....	.....	.....	.....
1040	2	3PI	Leningrad, U.S.S.R.	1230	15	LS8	Buenos Aires, Arg.	1359	2	.....	.....	.....	.....	.....	.....
1040	10	.....	Rennes-Bretagne, France	1230	5	.....	Newcastle, Australia	1359	2	.....	.....	.....	.....	.....	.....
1040	1.5	CX26	Montevideo, Uruguay	1231	5	.....	Gleititz, Germany	1359	2	.....	.....	.....	.....	.....	.....
1050	2	2CA	Canberra, Australia	1235	5	.....	Gorlitz, Germany	1359	2	.....	.....	.....	.....	.....	.....
1050	30	.....	Kalkirk, Gt. Britain	1240	1	6CK	Cork, I.F.S.	1359	2	.....	.....	.....	.....	.....	.....
1050	20	.....	Bari, Italy	1240	1	3TR	Sale, Australia	1359	2	.....	.....	.....	.....	.....	.....
1060	3	PRD2	Rio de Janeiro, Brazil	1240	17	CB125	Saarbrucken, Germany	1359	2	.....	.....	.....	.....	.....	.....
1060	3	.....	.....	1250	1	.....	Santiago, Chile	1359	2	.....	.....	.....	.....	.....	.....

THE BROADCASTING STATIONS OF ASIA

Frequencies are given in first column in kilocycles. Call letters are in second column, and power in watts in third column.

540	RW54	.....	Khabarovsk, U.S.S.R.	720	JFBK	1000	Taiwan, Formosa
556	RW52	.....	Tsinta, U.S.S.R.	730	JOCK1	500	Kochi, Japan
560	XGOG	10000	Hsingting, Manchukuo	740	JOSK	10000	Shanghai, China
570	XHJA	45	Chengtu, China	750	XHBB	50	Nagoya, Japan
580	JFCR	1000	Shanghai, China	750	HS7PJ	50	Wuchow, China
590	JOAK1	160000	Hankow, China	760	JQAK	1000	Kokura, Japan
600	XHKB	.....	Tsichu, Formosa	770	JOHK	10000	Shanghai, China
610	JOJK	3000	Shanghai, China	780	XHID	75	Nagasaki, India
620	XHKK	15	Tsushima, China	780	JOPK	500	Shizuoka, Japan
635	JOJK	500	Shanghai, China	790	JOGA	10000	Shanghai, China
640	JODJ	500	Viadivookot, U.S.S.R.	800	JOLJ	500	Cuumamoto, Japan
660	JOJK	3000	Hamamatsu, Japan	805	XHBI	600	Shanghai, China
660	XGOA	75000	Shanghai, China	810	JOJK	10000	Tsinan, China
670	JOJK	500	Miyazaki, Japan	820	JBBK2	2000	Sapporo, Japan
674	MTFY	.....	Shanghai, China	830	JOJK	10000	Yokohama, Japan
680	JOJK	500	Harbin, Manchukuo	840	XMHID	1000	Shanghai, China
690	JOBK1	10000	Hakodate, Japan	.....	.....	.....	.....
700	JOCG	700	Osaka, Japan	.....	.....	.....	.....
710	XMHG	500	Kunming, China	.....	.....	.....	.....
710	JODK2	10000	Aburatsubo, Japan	.....	.....	.....	.....
.....	XGOL	7500	Chungking, China	.....	.....	.....	.....

The SHORTWAVE STATIONS of the WORLD

1938

The word DRIFTS indicates that the station is in the habit of shifting from its assigned frequency.

Abbreviations for identification aids are—Int. (interval signal); s/o (sign-on or sign-off); Ann (announcements); Add (Address); Hrs (Hours).

Du—Dutch
Eng—English
Fr—French
Ger—German
It—Italian
Jap—Japanese
Port—Portuguese
Ru—Russian
Sp—Spanish

Unconfirmed stations, those under construction, and stations operating off their assigned frequencies, are given in *italics>.*

An asterisk indicates that the complete list of stations is given in another index.

In this index of the shortwave stations of the world, only stations which use voice are listed.

Frequencies are given in kilocycles per second. To change to megacycles, place a decimal point three digits to the left.

The studio locations are shown, and the location of the transmitter, when different from the studios, follows in parentheses.

Power is shown in watts, unless kilowatts (kw) is mentioned.

Following the power value, the symbols in parentheses indicate the type of station, as follows:

B—Broadcast F—Emergency
C—Commercial LH—Lighthouse
Phone P—Police
CG—Coast Guard SS—Ship Phone
E—Experimental

845	ZBW	2000	Hong Kong	1090	JBBKI	500	Kello, Korea
850	XLIQ	50	Hankow, China	1100	XHES	25	Shaohing, China
855	HSP1	3500	Bangkok, Siam	1110	XLIG	15	Shanghai, China
860	XHHD	3000	Bombay, India	1120	XLHM	15	Kaoyu, China
870	XOAK2	50	Shanghai, China	1130	XLHN	50	Shanghai, China
880	XHIC	15000Z	Tokyo, Japan	1140	XGOC	200	Shanghai, China
890	XHHV	75	Shanghai, China	1150	XGCH	300	Nanchang, China
895	VUD	1000	Shanghai, China	1160	XHHL	1000	Shanghai, China
900	JOLG	20000	New Delhi, India	1170	XGOZ	1000	Shanghai, China
905	MTBY	1000	Tottori, Japan	1180	XHRU	100	Shanghai, China
910	XGKA	15	Mukden, Manchukuo	1190	XHHZ	150	Shanghai, China
915	XGOI	500	Kashing, China	1200	VUL	100	Lahore, India
920	XJOK	500	Shanghai, China	1210	XHKN	100	Shanghai, China
925	XJLM	50	Kuukooka, Japan	1220	XHXC	100	Tsingtau, China
930	XJQK	500	Ambu, China	1230	XLPH	15	Pinghu, China
935	XHHX	1000	Niigata, Japan	1240	XLTC	15	Wush, China
940	XOAG	500	Shanghai, China	1250	XQHG	250	Shanghai, China
945	XOBK2	10000	Nagasaki, Japan	1260	XLIR	50	Hankow, China
950	XHHE	1000	Osaka, Japan	1270	XHHY	100	Shanghai, China
955	JONK	500	Shanghai, China	1280	MABS	35	Tingshien, China
960	XGHP	1000	Shanghai, China	1290	XLIE	50	Wush, China
965	XHIB	75	Nagano, Japan	1300	XHPH	100	Shanghai, China
970	XOBK1	10000	Peiping, China	1310	XLHJ	15	Wuhu, China
975	XOJK	500	Shanghai, China	1320	XHHQ	500	Shanghai, China
980	XOXB	500	Seoul, Korea	1330	XGOB	2000	Tsinan, China
985	XOHB	500	Tokushima, Japan	1340	XQHC	50	Shanghai, China
990	XOJK2	10000	Shanghai, China	1350	XLIF	50	Suchow, China
995	XGCK	75	Nagoya, China	1360	XLIK	75	Changchow, China
1000	XGOD	2000	Chunging, China	1370	ZHL	...	Singapore, Straits Settlements
1005	XGJK	500	Hankow, China	1380	XHXR	50	Shanghai, China
1010	XGKE	5	Fukui, Japan	1390	XGOE	1000	Nanning, China
1015	XGKM	15	Shanghai, China	1400	XQRA	150	Tientsin, China
1020	XGRI	100	Maebashi, Japan	1410	XQHD	200	Shanghai, China
1025	XGOW	5000	Fuyung, China	1420	XQLD	50	Hankow, China
1030	XHGG	100	Canton, China	1430	XLHE	50	Shanghai, China
1035	XJAK	150	Hankow, China	1440	XLHF	50	Shanghai, China
1040	XJOG	500	Fuku, Japan	1450	XLIN	50	Wush, China
1045	XJHG	500	Fuzun, Korea	1460	FFZ	250	Shanghai, China
1050	XHHE	1000	Foochow, China	1470	XLHO	100	Shanghai, China
1055	XHHA	500	Yamagata, Japan	1480	XLHQ	30	Shanghai, China
1060	XHHE	500	Shanghai, China	1490	XGOM	15	Peiping, China
1065	XHHE	500	Kagoshima, Japan	1500	XLIB	15	Suchow, China
1070	XOIG	500	Wush, China	1510	XQHE	250	Shanghai, China
1075	XOJK	200	Tientsin, China	1520	XGDX	10	Changchow, China
1080	XOJG	500	Toyama, Japan	1530	XGXF	200	Shanghai, China
1085	XOJG	500	Shanghai, China	1540	XL'S	20	Kashing, China
1090	XHHY	100	Shanghai, China	1550	VUP	2000	Peihawar, India
1095	XOJG	500	Kyoko, Japan	1560	XHHT	100	Shanghai, China
1100	XHHY	500	Kaiteng, China	1570	XOOL	7 1/2	Tsinan, China

1588	WFGG	(Temporary Frequency)	Findlay, Ohio, 500 (F)	1634	KRNP	Reno, Nev., 1 kw. (F)
1590	WFGC	Columbus, Ohio, 400 (F)	1635	WPHF	Indianapolis, Ind., 500. (F)	
1595	WPHK	Massillon, Ohio, 400 (F)	1640	WRDH	Chesterton, Ind., 60. (F)	
1600	WPHH	Wilmington, Ohio, 400 (F)	1645	WRDS	Jasper, Ind., 60. (F)	
1605	WVFT	Cambridge, Ohio, 400 (F)	1650	WQFE	Seymour, Ind., 60. (F)	
1610	VFC	Portland in Ohio, 100 (F)	1655	WRSA	Columbia City, Ind., 60. (F)	
1615	KIKP	Midland, Jamaica. (P)	1660	WSP1	Scituate, R. I., 250. (F)	
1620	WQFD	Kingston, Jamaica. (C)	1665	KASP	Little Rock, Ark., 1 kw. (F)	
1625	WQPF	Duquoin, Ill., 1 kw. (F)	1670	WRHP	Houghton Hts., Mich., 1 kw. (F)	
1630	WQFG	Erlingham, Ill., 1 kw. (F)	1675	WRDS	Faw Paw, Mich., 1 kw. (F)	
1635	WQFP	Sterling, Ill., 1 kw. (F)	1680	KALG	E. Lansing, Mich., 1 kw. (F)	
1640	WQFP	Macomb, Ill., 1 kw. (F)	1685	KALH	Squaw Harbor, Alaska. (C)	
1645	WQFX	Springfield, Ill., 1 kw. (F)	1690	KALI	Pt. Moller, Aaa. 100. Pacific American Fisheries, Inc.	
1650	YAC	Portland in Ill., 500. (F)	1695	KALJ	Lazy Bay, Aaa. 100. (C) P.A.F.	
1655	KAMH	Cape Lazo, B. C., Canada, 50. (C)	1700	KALL	King Cove, Aaa. (C)	
1660	KAMI	Chignik, Alaska, 30. (C), Alaska Packers Assn.	1705	KALU	Nelson Lagoon, Aaa. 30. (C). P.A.F.	
1665	KAMJ	Larson Bay, Aaa. 30. (C), A.P.A.	1710	KALU	Petersburg, Aaa. 30. (C), P.A.F.	
1670	KAMK	Chignik, Alaska, 30. (C), A.P.A.	1715	KIDB	Naknek, Aaa. 30. (C)	
1675	KANL	Beharot, Aaa. 30. (C), A.P.A.	1720	WOMW	Kasaan, Aaa. (C), P.A.F.	
1680	KANL	Naknek, Aaa. 30. (C), A.P.A.	1725	WOMX	Motorabip "Minnitahaha".	
1685	KANL	Uyak Bay, Aaa. 30. (C), A.P.A.	1730	WOMY	M/S "Empress"	
1690	KGXU	Red Bluff Bay, Aaa. 50. (C)	1735	WQFE	M/S "Glenwood"	
1695	KJJK	Pt. Barrow, Alaska, 10. (C)	1740	KNHD	M/S "Admiralty"	
1700	KJJO	Buchan & Heinen Packing Co., Kulu Island, Aaa. 10. (C)	1745	KSW	Kensington Park, Calif. 50. (F) (F)	
1705	KOSO	Storford & Grandahl Packing Co., Pt. Herbert, Aaa. 10. (C), Pt. Herbert Packing Co.	1750	WPGC	Redwood Falls, Minn., 400. (F)	
1710	KOSR	Oklahoma City, Okla., 1 kw. (F)	1755	WQFR	Pecos, Texas, 500. (F)	
1715	KOSU	Portland in Okla., 150. (F)	1760	KAJH	Berkeley, Calif., 500. (F)	
1720	KOSW	Portland in Okla., (P)	1765	KAMT	S. Schenectady, N. Y., 1 kw. (F)	
1725	KOSY	Portland in Okla., (P)	1770	KNCE	Portable in N. Y., 250. (F)	
1730	WVWV	Charlestown, W. Va., 1 kw. (F)	1775	KAJH	Contra Costa, Calif., 60. (F)	
1735	WWTVA	St. Albans, Vt., 500. United States Bureau of Customs.	1780	KAJH	Hayward, Calif., 500. (F)	
1740	WEYD	Boston, Mass., 50. (Fire)	1785	KAJH	Port, in Alameda Co., Calif., 100. (F)	
1745	WNYF	Detroit, Mich., 50. (Fire)	1790	KAJH	Anchorage, Alaska, 200. (C)	
1750	WNYF	New York, N. Y., 500. NYC Fire Dept., Municipal Bldg.	1795	KAJH	Libby, McNeill & Libby, Kenal, Aaa. 50. (C), L.M.L.	
1755	WNYF	New York, N. Y., 500. NYC Fire Dept., Municipal Bldg.	1800	KAJH	Ekuk, Bristol Bay, Aaa. 100. (C), L.M.L.	
1760	WNYF	New York, N. Y., 500. NYC Fire Dept., Municipal Bldg.	1805	KAJH	Ekugk, Aaa. 100. (C), L.M.L.	
1765	WNYF	New York, N. Y., 500. NYC Fire Dept., Municipal Bldg.	1810	KAJH	Kogging, Aaa. 70. (C), L.M.L.	
1770	WNYF	New York, N. Y., 500. NYC Fire Dept., Municipal Bldg.	1815	KAJH	Framingham, Mass., 1 kw. (F)	
1775	WNYF	New York, N. Y., 500. NYC Fire Dept., Municipal Bldg.	1820	KAJH	W. Bridgewater, Mass., 1 kw. (F)	
1780	WNYF	New York, N. Y., 500. NYC Fire Dept., Municipal Bldg.	1825	KAJH	Portable in Mass., 50. (F)	
1785	WNYF	New York, N. Y., 500. NYC Fire Dept., Municipal Bldg.	1830	KAJH	Northampton, Mass., 1 kw. (F)	



RADIO ANTENNA TOWERS

Simple, Sturdy, Easy to erect.
Built of galvanized steel. Will last for years. 100 ft. high or less. Fitted to take pipe mast at top. Immediate shipment. Write TODAY for prices.

Radio Department
STOVER MFG. & ENGINE CO.
FREEPORT, ILLINOIS

Chicago, Ill. (Downers Grove).
 10 kw. (B). Relays NYC.
 WENTR, s/o: Eng. Hr. Ger. U.
 Jan. Bu. Sp. Swedish. Add:
 Audience Mail Dept., NBC, Inc.
 Merchandise Mart. Hrs: Sat.
 1:35-2 a.m.; 4:5-30 p.m. Sun.
 1:5-45 p.m. Other days 1:05-
 2 a.m.; 4:5-45 p.m.
 YUA
 Belgrade, Jugoslavia. 1 kw.
 "Radio Beograd." Post: Bureau
 teur s Ondes Courtes. Hrs:
 noon-5 p.m.
 6108 HJ6ABB Manizales, Colombia. "Radio
 Manizales." Hrs: 6 p.m.-midnt.
 6110 G8L London, Gt. Britain. (Daytime)
 "L for Liberty." See GSA 6050
 kws for more data. Hrs: 9:20-
 11:20 p.m.
 Otago, Ont. 100 w. Portable
 Calcutta, India. (B).
 XEGW Add: Jose G. Garza Fox, San
 Juan de Lescan 81.
 6115 OLR2C Prague, Czecho. 35 kw. (B).
 XEYZ Mexico City, D. F. Assigned 6130
 6120 W2XE New York, N. Y. (Wayne, N. J.).
 10 kw. (B). Relays CBS-WABC.
 s/o: "Star Spangled Banner."
 Add: Columbia Bldg. 23.
 485 Madison Ave., NYC.
 Bandoeng, Java, N.E.I. 1500 w.
 (B). Add: N. V. Nederlandsche
 Indiache Radio Omroep Maat-
 schappij, Tegallapah 23.
 6122 HJ5AEX Bogota, Colombia. Assigned 6015
 OAX6A Arequipa, Peru. 100 w. (B).
 "Radio Arequipa." Add: Estuado
 L. Caceres, Miras Najar 141.
 Panama City, Panama. (B).
 6125 HF5H Cuzco, Peru. 100 w. Add: Car-
 los Lizarraga Fisher, Montero 43
 Havana, Cuba. 350 w. (B).
 6130 COCD "La Voz del Aire." Relays
 CMCD. Int: 4 chimes. s/o:
 "Goodnight Waltz." Add: Hotel
 Palace, Calle 25 y G, Vedado.
 Hrs: 5 p.m.-1 a.m.
 Oslo, Norway (Jeloy). (B). Hrs:
 11:30 a.m.-5:30 p.m.
 VE9HX Halifax, N.S. 500 w. (B). Relays
 CBC-CHNS. Add: Maritime
 Bldg. Co., Ltd., Box 998.
 Hrs: 5-11 p.m.
 Mexico City, D. F. 100 w. (B).
 XEYZ Add: Paritio Nacional Revo-
 lucionario. Add: 5 de Mayo 21.
 Hrs: 10 a.m.-2 a.m.
 Georgetown, Br. Guiana. (B).
 6132 VP3BG Mexico City, D. F. 100 w. (B).
 6133 XEXA Add: Secretaria de Educacion
 Publica, Argentina y L. G.
 Obregon
 Lourenco Marques, Portug. East
 Africa. (B). Ann: Eng. Post.
 Add: Caixa Postal 594. Hrs: Sun.
 6-9 a.m. Weekdays 5-7 a.m.
 (X) Pittsburgh, Pa. (Saxonsburg).
 40 kw. (B). Relays NRC-KDKA.
 Add: Westinghouse Electric &
 Mfg. Co., Grant Bldg. Hrs:
 11 p.m.-1 a.m.
 6145 HJ4ABE Medellin, Colombia. 1 kw. (B).
 "La Voz de Antioquia." Relays
 HJ4ABK. Int: 3 chimes. Hrs:
 6-10:30 p.m.
 6147 ZEB Buaiwayo, Southern Rhodesia.
 (C). Add: Box 792, G.P.O., Salla-
 buye. Hrs: Sun. 3-5 a.m.
 6150 CJRO Winnipeg, Man. (Middlechurch).
 150 w. (B).
 2 kw. (B). Add: James Richard-
 son & Sons, Ltd., 137 Royal
 Alexandra Hotel. Hrs: 6 p.m.-
 midnt.
 6295 OAX4G Lima, Peru. 400 w. (B). "Radio
 Grelaud." Relays OAX4B. Add:
 Roberto Grelaud y Cia., Sen
 Abancay 915-23. Hrs: 9:30p.m.
 6300 YV4RD Maracaibo, Venez. (B). "La Voz
 de Aragua." Relays YV4RC.
 Owner: Luis y Victor Croquer.
 Hrs: 5-11 p.m.
 6310 HIZ Trujillo, D. R. 100 w. (B). Add:
 Calle Duarte 68. Hrs: Sun. 11:40
 a.m.-2:40 p.m. Weekdays 11:10-
 a.m.-2:10 p.m.; 4:40-9:40 p.m.
 "Radio Cultural." Hrs: 11 a.m.-
 5 p.m.
 Havana, Cuba. (B). Relays
 C.W. "La Voz de las Antillas."
 Add: Paseo de Marti 105. Hrs:
 7 a.m.-midnt.
 6335 OAX1A Chiclayo, Peru. 200 w. (B). "La
 Voz de Chiclayo." s/o: "Good-
 night Waltz." Add: Carlos J.
 Monjoy, Casilla 9. Hrs: Sat.
 8 p.m.-midnt. Daily 8-11 p.m.
 6340 H11X Trujillo, D. R. 900 w. (B). Relays
 H1X. Add: J. R. Saladin. Hrs:
 Tues., Fri., 8-10 p.m.
 San Pedro Sula, Honduras. (C)
 Maracaibo, Venezuela. (La
 Arriaga). 350 w. (B). "Ondas
 del Lago." Relays YV1RF. Int:
 notes from "Jealousy." Add:
 N. Coli Vale Quilon. Apto
 261. Hrs: Sun., 8:30p.m.-2:30
 11 a.m.-1:30 p.m.; 4:15-7:15 a.m.;
 11 p.m. Weekdays, 6:15-7:15 a.m.;
 11 a.m.-1:30 p.m.; 4:15-7:15 a.m.
 Caracas, Venez. (B). "Bosco del
 Caribe." Relays YV5RE. Add:
 Estudios Amerio, Apto 963.
 Hrs: 11:30 p.m.-1:30 a.m. (B)
 Rogers St. Kitz. 500 w. (B)
 Opens: "Ruis Britannia." s/o:
 "God Save The King." Add: P.
 O. Box 88. Hrs: 4-4:45 p.m. daily.
 U. S. Army. (A).
 Mitchell Field, L. I., N. Y. (An-
 das Populares). Relays YV5RG.
 Add: Apto 1931.
 San Jose, Costa Rica. 1 kw. (B).
 "La Voz de la Victor." Ann:
 Eng. Sp. s/o: "Good Night
 Sweetheart." Add: Perry Gir-
 ton, Apto 224. Hrs: 6-10:30 p.m.
 Bolivar, Venezuela. (B). "Radio
 Bolivar."
 Santiago de los Caballeros, D. R.
 20 w. (B). "La Voz de la His-
 panola." Hrs: 6-11 p.m.
 Quezaltenango, Guat. (B). Add:
 Director General of Electrical
 Communications.
 FREE. Hrs: 8-10 p.m.
 Lima, Peru. 200 w. (B). "Radio
 Gotococha." Relays OAX4E. Add:
 Ing. Juan P. Gotococha, Ocaña 158
 Hicksville, N. Y. 5 kw. (B).
 6250 W2XGB Caracas, Venez. 1200 w. (B).
 "La Voz de Pibico." Relays
 YV5RQ. Add: Apto 508. Hrs:
 7 a.m.-1:30 p.m.; 3:30-9:30 p.m.
 Trujillo, D. R. 150 w. (B). "La
 Opinion." s/o: nat'l anthem.
 Add: Andres Cordero Puello.
 Santiago Rodriguez No. 12. Hrs:
 Weekdays 7-9 a.m.; noon-2:30
 p.m.; 4-9 p.m.
 Sancti-Spiritus, Cuba. 150 w. (B).
 6225 YV1RG Valera, Venez. (B). "Radio Val-
 era." Owner: J. L. Febres Jel-
 ambi. Hrs: 5:30-7:30 p.m.
 La Ceiba, Honduras 250 w. (B).
 "La Voz de Atlantida." Hrs:
 8-11 p.m.
 Trujillo, D. R. 740 w. (B).
 "Broadcasting Nacional." s/o:
 nat'l anthem. Add: Frank Hat-
 ton, Dominican Govt., Calle
 Arzobispo Merino 79. Hrs: Week-
 days, noon-2:30 p.m.; 5:45-10
 p.m.
 Caracas, Venez. (B). "La Voz
 de la Esfera." Relays YV6RI.
 Add: Suesgart y Cia., Box 1908.
 Hrs: 10 a.m.-10 p.m.
 Caracas, Venez. 1200 w. (B).
 "La Voz de Pibico." Relays
 YV5RQ. Add: Apto 508. Hrs:
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 7 a.m.-1:30 p.m.; 3:30-9:30 p.m.
 Trujillo, D. R. 150 w. (B). "La
 Opinion." s/o: nat'l anthem.
 Add: Andres Cordero Puello.
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 Weekdays 7-9 a.m.; noon-2:30
 p.m.; 4-9 p.m.
 Sancti-Spiritus, Cuba. 150 w. (B).
 6225 YV1RG Valera, Venez. (B). "Radio Val-
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 ambi. Hrs: 5:30-7:30 p.m.
 La Ceiba, Honduras 250 w. (B).
 "La Voz de Atlantida." Hrs:
 8-11 p.m.
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 La Ceiba, Honduras 250 w

PLY Bandoeng, Java, N.E.I. 80 kw. (C). Add: Governments Radio-dienst.

9425 NAA Arlington, Va. Time signals at 12:55, 1:55, 2:55, 3:55, 7:55, and 11:55 a.m., and 1:55, 3:55, 5:55, 6:55 and 11:55 p.m.

9428 COCH Havana, Cuba. 150 w. (B). Add: General Electric Co. of Cuba, No. 2 'B' St., Vedado.

9445 HC2RA Guayaquil, Ecuador. (B). "La Voz de Alma." Hrs: Sun. 4-10 p.m. Daily 9-10 p.m.

9448 WES (X) Rocky Point, N. Y. (C). Guayaquil, Ecuador. (B). "La Voz del aire." Hrs: 9-10 p.m. Tripoli. 2 kw. (C).

9470 PJCI Willemstad, Curacao. 150 w. (B). "Radio Curon." Add: Curacaoese Radio Vereeniging Hrs: Sun. 10:30 a.m.-12:30 p.m. (X) Rocky Point, N. Y. (C). Madrid, Spain. 20 kw. (B). "La Voz de Espana." Add: Medinaceli 6. Hrs: 7:30-8 p.m.; 8:30-9 p.m.

9490 KES (X) Bolinas, Calif. (C). Canton, China. (C).

9500 HJIABE Cartagena, Colombia. (B). "La Voz de los Laboratorios, Fuentes." Add: Apto 31.

XEWV Mexico City, D. F. 10 kw. (B). "La Voz de la America Latina desde Mexico." Relays XEW. Add: Apto 2516. Hrs: 8:55 a.m.-midnt.

XGWH Shanghai, China

9501 PRF5 Rio de Janeiro, Brazil. 60 kw (B). "A Voz do Brasil." Add: Cia. Internacional do Brasil, Box 709

9504 OLRBB Prague, Czechoslovakia. 35 kw. (B).

9610 CXAS Colonia, Uruguay. 2500 w. (B). "Real de San Carlos." Relays LR3 of Buenos Aires. Add: Real de San Carlos, Colonia. Hrs: 6 a.m.-10 p.m.

GBB London, Gt. Britain. (Daventry). 20 kw. (B). "B for Broadcasting." Int: Bow Bells; Greenwich time signal on even hours; Big Ben strikes hours irregularly, preceded by Westminster Chimes. s/o: "God Save The King." Add: British Brdcastg. Corp., London W1. Hrs: 2-4:15 a.m.; 12:20-4:45:5 p.m.; 6-8:30 p.m.; 9:20-11:20 p.m.

HJU Buenaventura, Colombia. 1 kw. (B). "La Voz del Pacifico." s/o: "Palma March." Add: National Railroads of Colombia, Bangkok, Siam. (B). Opening and interval sigs: 3 ascending chimes. Ann: Eng. Fr. Siamese. Add: Colonel Phrs Aram, Post and Telegraph Dept. Hrs: Mon., Thurs., 8-10 a.m.

ME3ME Melbourne, Australia. (Braybank). 5 kw. (B). Add: Amalgamated Wireless (A/W) Ltd., Box 1272L, Elizabeth St. P. O. Hrs: Weekdays 4-7 a.m.

9620 HJ6ABH Armenia, Colombia. 1 kw. (B). "La Voz de Armenia." Relays HJ6ABN. Add: Hoyos, Gutierrez y Aristizabal. Hrs: 8-11 a.m.; 6-10 p.m.

OAX4J Lima, Peru. 500 w. (B). "La Voz de Lima." Relays OAX4I. Opens: "Broadway Rhythm." Int: 3 chimes. s/o: "Whistler and His Dog." Ann: Eng. Fr. Ger. Sp. Add: Radio Inter-nacional, Inc., Apto 1166. Hrs: noon-3 p.m.; 5-11 p.m. back). 6 kw. (B). Add: Mail and Telegraph Dept., Technical Division, Staatsradiofonien, 32 Bernstorffsgade. Hrs: 2-6:40 p.m.

OZF (X) Rocky Point, N. Y. (C). Guadaluajara, Jal. 500 w. (B). "Habiando a los continentes desde Guadalajara." Relays XED. Int: 4 chimes s/o: "Jarabe Tapatio." Add: Radio Fono-grafica de Guadalajara, S. A., Apto. 197. Hrs: noon-4:30 p.m.; 8 p.m.-midnt. San Salvador, E. S. (B). Relays YSS.

YSH Paris, France. (B). "Radio Liberte." Add: 10 Ave. de la Liberte, Becm, Courbevoie, France

9523 ZRH. Pretoria, Union of So. Africa. (Roberts Heights). 5 kw. (B). Opens: bugle call. Ann: "Johannesburg calling." Add: South African Broadcasting Corp., Box 4559, Johannesburg. Hrs: Sun. 3:30-4:50 a.m. or 4-5 a.m. Daily exc. Sun., 5-7:30 a.m.; 11:45 p.m.-12:45 a.m.

ZBWB Hong Kong Brdcastg. Committee, Box 200.

9530 LKC Jely, Norway. 1 kw. (B). Hrs: 6-8 a.m.

W2XAF Schenectady, N. Y. 40 kw. (B). "The Voice of Electricity." Relays NEC-WGY. Opens: electrical discharge of 10 million volts of man-made lightning. Add: General Electric Co. Hrs: Sat. noon-midnt. Other days 5 p.m.-midnt.

W6XBE General Electric Co. (Nasak). 50 kw. (B). Ann: Chinese, Eng. Fr., Ger, Jap, Port, Sp. s/o: "Kimagayo," natl anthem. Add: Nippon Hoso Kyokai, Overseas Section, Broadcasting Corp. of Japan, Atago-Yama, Tokyo. Hrs: 2:30-4 p.m.; 4:50-5:30 p.m. Suva, Fiji. 2 kw. (B). Add: Amalgamated Wireless (A/W) Ltd. Hrs: 5:30-7 a.m.

9538 VPD2 Berlin, Germany. (Zeelen). 50 kw. (B). Int: music box tune. s/o: "Horst Wessel Lied." Add: "Deutschaendliche." Reichs - Rundfunk - Gesellschaft, Haus des Rundfunks, Masurenallee, Berlin - Charlottenburg 9. Hrs: 4:50-10:45 p.m.

9540 DJN Prague, Czechoslovakia. (Foderbrady). 35 kw. (B). Int: trumpet tune from "New World Symphony." Add: Fochova Tr. 16, Praha XII. Hrs: Mon., Tues., 4:40-5 p.m.

9550 OLR3A Schenectady, N. Y. 50 kw. (B). General Electric Co. Hrs: 7:30 p.m.-midnt.

W2XAD Schenectady, N. Y. 50 kw. (B). General Electric Co. Hrs: 7:30 p.m.-midnt.

XEFT Veracruz, Ver. 20 w. (B). "La Voz de Veracruz." Relays XETF. s/o: "Vals Poetico." Add: Av. Independencia 28. Hrs: 10:30 a.m.-4:30 p.m.; 7:30 p.m.-12:30 a.m.

9560 DJA Paris, France. (Essarts). (B). "Radio Coloniale." Berth, Germany. (Zeelen). 50 kw. (B). See DJN on 9640. Hrs: 12:05-11 a.m.; 4:50-10:45 p.m.

YDB Sourabaya, Java, N.E.I. 1 kw. (B). Lima, Peru. 10 kw. (B). "Radio Nacional." Relays OAX4A. Add: Peruvian Gov't., Av. Pcd. Thouars 447. Hrs: 11:30 a.m.-1:30 p.m.

9562 OAX4T Bombay, India. 4500 w. (B). Add: All India Radio, Irwin House, Sport Road, Ballard Estate, Philippine Isl. Add: Erlanger & Galinger, Inc., Regina Bldg., David St. (X) Boston, Mass. (Mills). 10 kw. (B). Relays NEC-WBZ-WBZA. Add: Westinghouse Elec. & Mfg. Co. Hrs: Sun. 8 a.m.-1 a.m. Other days 6 a.m.-1 a.m.

W8XK (X) Pittsburgh, Pa. Not used now. London, Gt. Britain. (Daventry). 20 kw. (B). C. for Corporation. See GB on 9510 kes. Hrs: 4:15-6 p.m.; 6-8:30 p.m.; 9:20-11:20 p.m.

VLR Melbourne, Australia (Lyndhurst). Hrs: 1-9:45 a.m.

9590 PCJ Huisen, Netherlands. 20 kw. (B). Ann: Du, Eng, Fr, Ger, Malay, Port, Sp. s/o: Natl anthem. Add: Philips Omroep Holland Indie, Emmausangel 9, Eind-hoven. Hrs: Sun. 2 p.m.; 7-9 p.m. Tues., 1:45-3:30 p.m. Wed., 4-9:30 p.m.

VE2ME Sydney, Australia. (Pennant Hills). 20 kw. (B). Int: laughing call of the kookaburra. Add: Amalgamated Wireless (A/W) Ltd., 47 York St. Hrs: Sun., 1-3 a.m.; 5-11 a.m.; 5 kw. (B). Perth, Australia. 5 kw. (B). (Add: Unligamated Wireless, (A/W) Ltd., 47 York St. Hrs: Daily exc Sun., 4-6 p.m.

VUD2 Delhi, India. (B). Heard 9:30 p.m.-midnt.

W8XF New York, N. Y. (Wayne, N. J.) Philadelphia, Pa. (Newtown Square). 10 kw. (B). WCAU CBS-WCAU. Add: WCAU Brdcastg. Co. 1622 Chestnut St. Hrs: noon-9 p.m.; 11 p.m.-midnt.

W8XLL Cheesman, Ohio. (Maum). 10 kw. (B). Geneva, Switzerland. (Fran-cos). 18 kw. (B). "Radio Nations." Add: Information Section, League of Nations, Moscow, U.S.S.R. Hrs: Add: Radio Center, Soltanks 12/ Hrs: 7-9:15 p.m.

9595 HBL Singapore, Straits Settlements, Santiago de Chile. (B). "Radio de la Voz de Chile." s/o: "Rhapsody in Blue." Add: Compania Inter-nacional de Radio, Carillo 16-D. Hrs: 6-7:30 p.m.

9600 CB980

W3XAU Manila, Philippines. (Narciso) 50 kw. (B). Ann: Chinese, Eng. Fr., Ger, Jap, Port, Sp. s/o: "Kimagayo," natl anthem. Add: Nippon Hoso Kyokai, Overseas Section, Broadcasting Corp. of Japan, Atago-Yama, Tokyo. Hrs: 2:30-4 p.m.; 4:50-5:30 p.m. Suva, Fiji. 2 kw. (B). Add: Amalgamated Wireless (A/W) Ltd. Hrs: 5:30-7 a.m.

9635 ZJI Tokyo, Japan. (Nasak). 50 kw. (B). Ann: Chinese, Eng. Fr., Ger, Jap, Port, Sp. s/o: "Kimagayo," natl anthem. Add: Nippon Hoso Kyokai, Overseas Section, Broadcasting Corp. of Japan, Atago-Yama, Tokyo. Hrs: 2:30-4 p.m.; 4:50-5:30 p.m. Suva, Fiji. 2 kw. (B). Add: Amalgamated Wireless (A/W) Ltd. Hrs: 5:30-7 a.m.

9638 VPD2 Berlin, Germany. (Zeelen). 50 kw. (B). Int: music box tune. s/o: "Horst Wessel Lied." Add: "Deutschaendliche." Reichs - Rundfunk - Gesellschaft, Haus des Rundfunks, Masurenallee, Berlin - Charlottenburg 9. Hrs: 4:50-10:45 p.m.

9640 DJN Prague, Czechoslovakia. (Foderbrady). 35 kw. (B). Int: trumpet tune from "New World Symphony." Add: Fochova Tr. 16, Praha XII. Hrs: Mon., Tues., 4:40-5 p.m.

9650 OLR3A Schenectady, N. Y. 50 kw. (B). General Electric Co. Hrs: 7:30 p.m.-midnt.

W2XAD Schenectady, N. Y. 50 kw. (B). General Electric Co. Hrs: 7:30 p.m.-midnt.

9655 ZJI Tokyo, Japan. (Nasak). 50 kw. (B). Ann: Chinese, Eng. Fr., Ger, Jap, Port, Sp. s/o: "Kimagayo," natl anthem. Add: Nippon Hoso Kyokai, Overseas Section, Broadcasting Corp. of Japan, Atago-Yama, Tokyo. Hrs: 2:30-4 p.m.; 4:50-5:30 p.m. Suva, Fiji. 2 kw. (B). Add: Amalgamated Wireless (A/W) Ltd. Hrs: 5:30-7 a.m.

9658 VPD2 Berlin, Germany. (Zeelen). 50 kw. (B). Int: music box tune. s/o: "Horst Wessel Lied." Add: "Deutschaendliche." Reichs - Rundfunk - Gesellschaft, Haus des Rundfunks, Masurenallee, Berlin - Charlottenburg 9. Hrs: 4:50-10:45 p.m.

9659 HBL Geneva, Switzerland. (Fran-cos). 18 kw. (B). "Radio Nations." Add: Information Section, League of Nations, Moscow, U.S.S.R. Hrs: Add: Radio Center, Soltanks 12/ Hrs: 7-9:15 p.m.

9660 CB980

W3XAU Manila, Philippines. (Narciso) 50 kw. (B). Ann: Chinese, Eng. Fr., Ger, Jap, Port, Sp. s/o: "Kimagayo," natl anthem. Add: Nippon Hoso Kyokai, Overseas Section, Broadcasting Corp. of Japan, Atago-Yama, Tokyo. Hrs: 2:30-4 p.m.; 4:50-5:30 p.m. Suva, Fiji. 2 kw. (B). Add: Amalgamated Wireless (A/W) Ltd. Hrs: 5:30-7 a.m.

9675 DZA Berlin, Germany. (Zeelen). (B).

9685 TGWA Guatemala City, Guat. 10 kw. (B). "Radio Nacional." Relays TGW. Add: Ministerio de Fomento, Verifies FREE.

9700

9750 COCQ Havana, Cuba. (B). DRIFTS. "de la RCA-Victor." Relays CMQ. s/o: "Siboney." Add: Calle 25 No. 225 Vedado, (X) Ocean Gate, N. J. 90 kw. (C), (X) Lawrenceville, N. J. (C). Havana, Cuba. (B). DRIFTS. "Radio Columbia." Rome, Italy. (E).

9830 IRF

XEYU Mexico City, D. F. 1500 w. (B). Relays XEXX. Ann: Eng, Fr, Sp. Add: Universidad Nacional de Mexico, Justo Sierra No. 16, Mexico City. Hrs: 3:30-4:30 p.m.; 8 p.m.-midnt. Panama City, Panama. 1 kw. (B). "La Voz de Panama." Add: Manuel-Diaz Doce, Apto 867. Hrs: 8:30-11 p.m. Cape Town, Union of So. Africa. (Kilpheuveld). 5 kw. (B). See ZRH on 9523 kes for details. Hrs: Best time 11:45 p.m.-to 12:45 a.m.

9605 HPSJ Cartagena, Colombia. 750 w. (B). "Radio Cartagena." Add: Apto 37. Hrs: 6-10 p.m.

9606 ZRK Bucaramanga, Colombia. (B). "Radio Bucaramanga." s/o: "La Guabina." Add: Radio Bucaramanga, Inc., Apto 34. Hrs: Sun. 7:30-9:30 p.m. Week-days 11 a.m.-1 p.m.; 6-11 p.m. Rome, Italy. 25 kw. (B). "Radio Roma-Napoli." Ann: usually by a lady. s/o: two natl anthems. "Glovinerza" and "Marcha Reale." Add: Ente Italiano per le Audizioni Radiotelevisive, Via Montello 5. Hrs: 12:20 p.m.-9 p.m.

9635 2R03 Itabashi, Taiwan. (B). Relays JFAK. Add: Kokusai Denwa Kaisha, Chureki Gai, Shinchiku, Taiwan. Hrs: 6-8:30 a.m. Port-au-Prince, Haiti. 30 w. (B). Add: C. Ricardo Widmaler, Box A-117. Hrs: 7-8 p.m.

9636 JFO Lisbon, Portugal. 2 kw. (B). "Radio Coloniale." Int: 3 cuckoos. Add: Senhor Abilio Nunes dos Santos, Jr., Av. Antonio Augusto d'Aguiar 136. Hrs: Tues., Thurs., Sat. 4-7 p.m.

9645 HH3V Lobito, Angola. Port. West Africa. 500 w. (B). Add: Box 103. Hrs: Wed., Sat., 2:45-4:45 p.m.

9650 CS2WA Buenos Aires, Argentina. 5 kw. (B). "Radio El Mundo." Relays LRI. Add: Calle Malpu 555. Hrs: 10:30 a.m.-12:30 a.m.

9660 CR6AA Heredia, Costa Rica. 500 w. (B). "The Voice of Costa Rica." Add: Amando Cespedes Marin, Apto 40. Hrs: Tues, Thurs, Sat., 9-10 p.m. Sun., 7-8 a.m.-Send ten cents for veri.

LRX Berlin, Germany. (Zeelen). (B).

T14NRH Guatemala City, Guat. 10 kw. (B). "Radio Nacional." Relays TGW. Add: Ministerio de Fomento, Verifies FREE.

DZA Berlin, Germany. (Zeelen). (B).

TGWA Guatemala City, Guat. 10 kw. (B). "Radio Nacional." Relays TGW. Add: Ministerio de Fomento, Verifies FREE.

9700

9750 COCQ Havana, Cuba. (B). DRIFTS. "de la RCA-Victor." Relays CMQ. s/o: "Siboney." Add: Calle 25 No. 225 Vedado, (X) Ocean Gate, N. J. 90 kw. (C), (X) Lawrenceville, N. J. (C). Havana, Cuba. (B). DRIFTS. "Radio Columbia." Rome, Italy. (E).

9830 IRF

9870	WUN	(X) Lawrenceville, N. J. 20 kw. (C).	11710	XEWB	Paris, France (Esarts) (H). "Paris Mondial." Add: Mibh-tere des Pontes, Telegraphes et Telephones. Hrs: 1-4 a.m.; 10-15 noon; 5 p.m. to 11 p.m.	JZJ	Tokyo, Japan. (Nuzaki). 50 kw. (B). Ann: Chinese, Png, Fr, Ger, Jap, Port, Sp. s/o: "Kimagayo," nat'l anthem. Add: Nippon Roro Kyokai, Oversea Section, Broadcasting Corp. of Japan, Atago-Yama. Hrs: 12:30-1:30 a.m.; 7-7:30 a.m.; 8-9:30 a.m.; 4:30-5:30 p.m.; 6-6:30 p.m.	
9890	LSN2	Buenos Aires, Argentina. (C). Dairen, Kwantung, 10 kw. (B) and C). Relays JOAK. Add: Manchuria Telephone and Telegraph Co., Shotokugal 3, Dairen. Hrs: 7-8 a.m.	11713	TPA4	Paris, France (Poloise). (B). "Radio Coloniale." Add: Ministere des Postes, des Tele- graphes et des Depêches, 98 bis Blvd. Haussmann. Hrs: 6-15 a.m.-1 p.m.	OZEP	Copenhagen, Denmark (Skamie- baek). (B). Add: Strataadio- fonen, Tordenskjoldsgade 3. Hrs: 6:30-9 p.m.	
9925	JDY	(C). Relays JOAK. Add: Manchuria Telephone and Telegraph Co., Shotokugal 3, Dairen. Hrs: 7-8 a.m.	11718	CR7BH	London, Gt. Britain. (Daven- try). (B). Add: Carlos Balderrama, Aptdo. 68. Hrs: noon-midnt. "Radio Manila." New York, N. Y. (Wayne, N. J.). 10 kw. (B). Relays CBS-WABC. s/o: "Star Spangled Banner." System, 485 Madison Ave., NYC. Hrs: 2:30-5 p.m.; 6:30 p.m.-midnt.	11805	OZF	Rome, Italy. 25 kw. (B). "Radio Roma-Napoli." Ann: usually by lady. s/o: two nat'l anthems, "Glovinazza" and "Marchia Reale." Add: E.I.A.R., Via. Montello 5. Hrs: 5 a.m.-12:20 p.m.
9940	CSW	Lisbon, Portugal. 5 kw. (B). "Emisora Nacional." Add: Rua do Quelhas. Hrs: 1-8 p.m.	11720	CJRX	Winnipeg, Man. (Middlechurch). 2 kw. (B). Add: James Ridard- son & Sons Ltd. 157, Royal Alexandra Hotel. Hrs: 6 p.m.-midnt.	11820	GSN	Hermosillo, Son. 150 w. (B). Add: Carlos Balderrama, Aptdo. 68. Hrs: noon-midnt.
9950	GCU	San Juan, Puerto Rico. 400 w. (C). Radio Corp. of P.R. Rugby, Gt. Britain. 15 kw. (C). For details see GDP on 7920	11730	PHI	Eindhoven, Netherlands. 23600 watts. (B). Ann: Du Eng. Fr; Ger. Vialy, Port, Sp. s/o: Nat'l anthem. Add: Philips Omroep Holland-Indis, Emmasingel 29. Hrs: winter only. (B). Add: Boscon, Viasa. Educational Director, University Club David, Chiriqui, Panama. 350 w. (B). "Las Ondas del Barú." Add: Leo Marchosky. "Mg.", Aptdo 129.	11850	KZRM	Madrid, Portugal. 5 kw. (B). Marilla, P.I. (B). Add: Erlanger & Gallinger, Inc., Regina Blvd., David St.
9990	KAZ	(X) Manila, Philippine Isl. 40 kw. (C). Radio Corp. of the Philippines.	11740	HF5L	London, Gt. Britain. (Daven- try). 20 kw. (B). "D for Daven- try." For details see GSB on 9510. Hrs: 2-4:15 a.m.; 8:55 a.m.-noon; 12:20-4 p.m.; 6-8:30 p.m.; 9:20-11:20 p.m.	11845	OLR44	Paris, France. (Esarts). (B). "Radio Coloniale." London, Gt. Britain. 20 kw. (B). "E for Empire." For more details see GSB on 9510. Soubatsya, Java, N.E.I. 1 kw. (B).
10000	COBC	Havana, Cuba. (B). DRIFTS. Belisville, Md. 1 kw. Standard frequency transmissions on Wed. from 1:15-2:15 p.m.	11750	GSD	Prague, Czechoslovakia. 35 kw. (B). "The Voice of Guat." Add: Ministerio de Fomento, Veriles FRE.	11870	IQX	Rome, Italy. (E). (X) Pittsburgh, Pa. (Saxon- burg). 40 kw. (B). Relays NBC-KDKA. Add: Westing- house Elec. & Mfg. Co., Grant Bldg.
10042	DZB	Berlin, Germany. (Zezen)	11760	OLR4B	Prague, Czechoslovakia. 35 kw. (B). "The Voice of Guat." Add: Ministerio de Fomento, Veriles FRE.	11875	OLR4C	Prague, Czechoslovakia. 35 kw. (B).
10055	SUV	Cairo, Egypt. (Abu Zabal). 10 kw. (C).	11770	DJD	Berlin, Germany. (Zezen). 50 kw. (B). For details see DJN on 9540. Hrs: 16:40 a.m.-4:30 p.m.; 4:50-10:45 p.m.	11885	TPP7	Paris, France (Esarts). (B). Hrs: 8:30-11 p.m.
10066	CQY	(X) Hamilton, Bermuda. (St. George). 1500 w. (C).	11776	XETA	Montreux, N. L. 1 kw. (B). Add: El Pregonero del Norte, S. A., Edificio Reyes, Box 203. Hrs: noon-3:30 p.m.	11885	HP51	Aguadule, Panama. (B). "La Voz del Interior." Int: 3 strokes on Gong. s/o: "El Tambor de la Alegria." Mexico City, D. F. 100 w. (B). See XEXA on 11880 for data.
10080	RIR	Shinkiu, Manchukuo. (C).	11780	OAX6A	Ica, Peru. 100 w. (B). "Radio Universal." Add: J. Antonio Umbers F., Av. San Luis. Hrs: noon-4 p.m.; 7-11:30 p.m.	11900	XEXA	Mexico City, D. F. 100 w. (B). Add: Secretaria de Educacion Publica, Argentina y L. G. Obregon.
10105	TDB	(C). Manchukuo Tele. & Teleg. Co.	11790	WIXAL	Boston, Mass. 20 kw. (B). "Dedicated to Enlightenment." Add: Educational Director, University Club.	11885	EXEX	Mexico City, D. F. 100 w. (B). See XEXA on 11880 for data.
10125	OPM	Leopoldville, Belgian Congo. (C). Phones Belgium at 3 a.m. and 1-4 p.m.	11800	OGGF	Matanzas, Cuba. 1 kw. (B). Relays Cx(GF. Add: Cia. Radio- ficadora de Matanzas, Calle Grad. Betancourt 51. Hrs: 1:30-4 p.m.; 6-10 p.m.	11885	TPP7	Paris, France (Esarts). (B). Hrs: 8:30-11 p.m.
10190	PSH	American Airlines Rio de Janeiro, Brazil. 12 kw. (B). Verifies for IRC or unused stamps of any country. Relays PRF4. Ann: Eng, Fr, It, Ger, Port, Sp. s/o: Nat'l anthem. Add: Cia. Radio Internacional do Brasil, Caixa 709. Hrs: 8-9 p.m.	11810	WYK	Geneva, Switzerland (Prangins). "Radio Nations." Add: In- formation Section, League of Nations. Shanghai, China. (C) Havana, Cuba. (B). DRIFTS. Relays CMA. "Cassa Lavin." Add: Aptdo 32. Hrs: Sun. 6-9 p.m. Weekdays 8 a.m.-midnt. Swatow, China. (C). Bandoeng, Java, N.E.I. (C). Warsaw, Poland. 2 kw. (B). Int: "The Haunted Castle." Add: Polskie Radio, 5 Miazowicka St. Hrs: Daily 6-7 p.m., Sun. until 8 p.m.	11860	GNH	London, Gt. Britain. 20 kw. (B). "E for Empire." For more details see GSB on 9510. Soubatsya, Java, N.E.I. 1 kw. (B).
10220	PSH	American Airlines Rio de Janeiro, Brazil. 12 kw. (B). Verifies for IRC or unused stamps of any country. Relays PRF4. Ann: Eng, Fr, It, Ger, Port, Sp. s/o: Nat'l anthem. Add: Cia. Radio Internacional do Brasil, Caixa 709. Hrs: 8-9 p.m.	11840	CSW	Madrid, Portugal. 5 kw. (B). Marilla, P.I. (B). Add: Erlanger & Gallinger, Inc., Regina Blvd., David St.	11860	GNH	London, Gt. Britain. 20 kw. (B). "E for Empire." For more details see GSB on 9510. Soubatsya, Java, N.E.I. 1 kw. (B).
10230	CED	Antofagasta, Chile. (C). Owner: Cia. de Telefonos de Chile.	11870	W8XK	Guatemala City, Guat. 10 kw. (B). "The Voice of Guat." Add: Ministerio de Fomento, Veriles FRE.	11870	IQX	Rome, Italy. (E). (X) Pittsburgh, Pa. (Saxon- burg). 40 kw. (B). Relays NBC-KDKA. Add: Westing- house Elec. & Mfg. Co., Grant Bldg.
10250	LSK3	Buenos Aires, Argentina. (Hurl- ingham). 5 kw. (C).	11785	DJO	Berlin, Germany. (Zezen). (B). For details see DJN on 9540.	11875	OLR4C	Prague, Czechoslovakia. 35 kw. (B).
10260	PMN	Bandoeng, Java, N.E.I. 1500 w. (C). Owner: Gouvernements Radio-Dienst. Hrs: 5:30-11 a.m.	11796	OAX6A	Ica, Peru. 100 w. (B). "Radio Universal." Add: J. Antonio Umbers F., Av. San Luis. Hrs: noon-4 p.m.; 7-11:30 p.m.	11885	TPP7	Paris, France (Esarts). (B). Hrs: 8:30-11 p.m.
10290	FZC	Berlin, Germany (Zezen). (E).	11800	OGGF	Matanzas, Cuba. 1 kw. (B). Relays Cx(GF. Add: Cia. Radio- ficadora de Matanzas, Calle Grad. Betancourt 51. Hrs: 1:30-4 p.m.; 6-10 p.m.	11885	EXEX	Mexico City, D. F. 100 w. (B). See XEXA on 11880 for data.
10300	LSL2	Buenos Aires, Argentina. (C).	11810	WYK	Geneva, Switzerland (Prangins). "Radio Nations." Add: In- formation Section, League of Nations. Shanghai, China. (C) Havana, Cuba. (B). DRIFTS. Relays CMA. "Cassa Lavin." Add: Aptdo 32. Hrs: Sun. 6-9 p.m. Weekdays 8 a.m.-midnt. Swatow, China. (C). Bandoeng, Java, N.E.I. (C). Warsaw, Poland. 2 kw. (B). Int: "The Haunted Castle." Add: Polskie Radio, 5 Miazowicka St. Hrs: Daily 6-7 p.m., Sun. until 8 p.m.	11860	GNH	London, Gt. Britain. 20 kw. (B). "E for Empire." For more details see GSB on 9510. Soubatsya, Java, N.E.I. 1 kw. (B).
10310	PPM	Rio de Janeiro, Brazil. (Misra- picu). (C).	11870	W8XK	Guatemala City, Guat. 10 kw. (B). "The Voice of Guat." Add: Ministerio de Fomento, Veriles FRE.	11870	IQX	Rome, Italy. (E). (X) Pittsburgh, Pa. (Saxon- burg). 40 kw. (B). Relays NBC-KDKA. Add: Westing- house Elec. & Mfg. Co., Grant Bldg.
10330	ORK	Brussels, Belgium. (Ruyb- selé). 11 kw. (C).	11785	DJO	Berlin, Germany. (Zezen). (B). For details see DJN on 9540.	11875	OLR4C	Prague, Czechoslovakia. 35 kw. (B).
10335	ZFD	(X) Hamilton, Bermuda (St. George). 1500 w. (C).	11796	OAX6A	Ica, Peru. 100 w. (B). "Radio Universal." Add: J. Antonio Umbers F., Av. San Luis. Hrs: noon-4 p.m.; 7-11:30 p.m.	11885	TPP7	Paris, France (Esarts). (B). Hrs: 8:30-11 p.m.
10350	LSX	Buenos Aires, Argentina. (Monte Grande). 20 kw. (B and E). Add: Cia. Radiotelegrafica Arg., S. A., San Martin 329.	11800	OGGF	Matanzas, Cuba. 1 kw. (B). Relays Cx(GF. Add: Cia. Radio- ficadora de Matanzas, Calle Grad. Betancourt 51. Hrs: 1:30-4 p.m.; 6-10 p.m.	11885	EXEX	Mexico City, D. F. 100 w. (B). See XEXA on 11880 for data.
10370	.....	Sakamania, Spain. (B). "Radio Nacional." Add: Box 225. (X) Bolinas, Calif. (C).	11810	WYK	Geneva, Switzerland (Prangins). "Radio Nations." Add: In- formation Section, League of Nations. Shanghai, China. (C) Havana, Cuba. (B). DRIFTS. Relays CMA. "Cassa Lavin." Add: Aptdo 32. Hrs: Sun. 6-9 p.m. Weekdays 8 a.m.-midnt. Swatow, China. (C). Bandoeng, Java, N.E.I. (C). Warsaw, Poland. 2 kw. (B). Int: "The Haunted Castle." Add: Polskie Radio, 5 Miazowicka St. Hrs: Daily 6-7 p.m., Sun. until 8 p.m.	11860	GNH	London, Gt. Britain. 20 kw. (B). "E for Empire." For more details see GSB on 9510. Soubatsya, Java, N.E.I. 1 kw. (B).
10400	KEZ	Santa Cruz de Tenerife, Canary Islands. Add: Box 225.	11870	W8XK	Guatemala City, Guat. 10 kw. (B). "The Voice of Guat." Add: Ministerio de Fomento, Veriles FRE.	11870	IQX	Rome, Italy. (E). (X) Pittsburgh, Pa. (Saxon- burg). 40 kw. (B). Relays NBC-KDKA. Add: Westing- house Elec. & Mfg. Co., Grant Bldg.
10480	XGV	Shanghai, China.	11785	DJO	Berlin, Germany. (Zezen). (B). For details see DJN on 9540.	11875	OLR4C	Prague, Czechoslovakia. 35 kw. (B).
10430	TYE3	Pontolise, France. (C).	11796	OAX6A	Ica, Peru. 100 w. (B). "Radio Universal." Add: J. Antonio Umbers F., Av. San Luis. Hrs: noon-4 p.m.; 7-11:30 p.m.	11885	TPP7	Paris, France (Esarts). (B). Hrs: 8:30-11 p.m.
10535	JIB	Taihou, Taiwan. (Chureki). 6 kw. (B and C). Relays JFAK.	11800	OGGF	Matanzas, Cuba. 1 kw. (B). Relays Cx(GF. Add: Cia. Radio- ficadora de Matanzas, Calle Grad. Betancourt 51. Hrs: 1:30-4 p.m.; 6-10 p.m.	11885	EXEX	Mexico City, D. F. 100 w. (B). See XEXA on 11880 for data.

The WORLD'S Radio Stations

1939

1600 to 2500 kHz 2-Way Public Service Band

Call Letters	Frequency	Class	Location
KOSC	1626	SP	Oklahoma City, Okla. Same.
KOBQ	1630	SP	Portable in Okla. State of Okla., Dept. of Pub. Safety.
KOSP	1630	SP	Portable in Okla. Same.
KOSR	1630	SP	Portable in Okla. Same.
KOSU	1630	SP	Portable in Okla. Same.
KOSW	1630	SP	Portable in Okla. Same.
KOSX	1630	SP	Portable in Okla. Same.
KOSY	1630	SP	Portable in Okla. Same.
WSSP	1630	SP	Charleston, W. Va. Dept. of Pub. Safety.
WVVV	1630	SP	Meanderville, W. Va. Same.
WPWV	1630	SP	Charleston, W. Va. Same.
WVWV	1630	SP	Charleston, W. Va. Same.
WVVA	1630	SP	Shinnston, W. Va. Same.
WVXGM	1630	SP	St. Albans, Vt. U. S. Bureau of Customs.
CJD	1639	F	Dallas, Texas. Magnolia Petroleum Co.
CJE	1639	F	Campbell River, B. C. Minister of Lands for R. C.
VAC	1639	T	Geopcegoe, B. C. Canadian Packing Co.
VAF	1639	T	Aspe Lake, B. C. Dept. of Transport.
VBE	1639	T	Alert Bay, B. C. Dept. of Transport.
VBE	1639	T	Point Edward, Ont.
VBE	1639	T	Toronto, Ont.
VBE	1639	T	Port Arthur, Ont.
VBE	1639	T	Attli Inlet, B. C. Kelley Logging Co., Ltd.
VBE	1639	T	Boston, Mass.
WYD	1634	MF	Detroit, Mich.
WKDT	1634	MF	New York City, N. Y. Fire Dept., Municipal Bldg.
WNYF	1634	MF	Reno, Nevada. State of Nev.
KRNP	1634	SP	Indianapolis, Ind. Dept. of Pub. Safety.
WPHS	1634	SP	Chesteron, Ind. Same.
WPHU	1634	SP	Jasper, Ind. Same.
WQFE	1634	SP	Columbus, Ind. Same.
WQFW	1634	SP	Columbus, Ind. Same.
WQGB	1634	SP	Portsmouth, Ind. Same.
WRSA	1634	SP	Schwartz, Ind. Division of Pub. Safety.
KAMP	1638	FA	Seattle, Wash. Pan-American Airways, Inc.
KAMP	1638	FA	NC-18597. American Express Airlines, Inc.
KHCY	1638	FA	Tanana, T. A. Pacific Alaska Airways, Inc.
VEZ	1642	FA	Burwash Landing, Y. T. Dominion Gov't.
KASP	1642	SP	Little Rock, Ark. State Police.
KHCGP	1642	SP	Airplane NC-18498. Michigan State Police.
KQDO	1642	SP	Mobile in Ark. State Police.
WRDH	1642	SP	Houghton Heights, Mich. (5 kw days). State Police.
WRDP	1642	SP	Paw Paw, Mich. Same.
WRDS	1642	SP	E. Lansing, Mich. (5 kw days). Same.
KAJL	1646	C	Naknek, Bristol Bay, T. A. Pacific American Fisheries, Inc.
KAKL	1646	C	Kasaan, T. A. Same.
KALG	1646	C	Squaw Harbor, T. A. Same.
KALH	1646	C	Port Moller, T. A. Pacific American Fisheries, Inc.
KALI	1646	C	Lazy Bay, T. A. Same.
KALL	1646	C	King Cove, T. A. Same.
KALQ	1646	C	Nain, Lagoon, T. A. Pacific American Fisheries, Inc.
KALU	1646	C	Peterburg, T. A. Same.
KALV	1646	C	Naknek, T. A. Same.
KALW	1646	C	Lea Angeles, Calif. Don Lee.
KAOB	1646	C	Shenandoah, Iowa. May Seed Co.
KAMA	1646	C	Kasaan, T. A. Pacific American Fisheries.
KIDB	1646	C	Squaw Harbor, T. A. Same.
KIDC	1646	C	Tacoma, Wash. Puget Sound Brdctg. Co.
KIDR	1646	C	Sacramento, Calif. McCatchey Brdctg. Co.
KIDB	1646	C	Nashville, Tenn. WSIX.
KIDB	1646	C	Syracuse, N. Y. Onondaga Radio Brdctg. Corp.
KIDB	1646	C	Portable, N. J. Brdctg. Corp.
KIDB	1646	C	"Minnehaha".
KIDB	1646	C	"Empress".
KIDB	1646	C	"Glenwood".
KIDB	1646	C	"Admiralty".
KIDB	1646	C	Los Angeles, Calif. Paramount Communications.

Call Letters	Frequency	Class	Location
WXXGN	1658	SP	Dallas, Texas. Magnolia Petroleum Co.
KKFG	1658	MP	Kensington Park, Calif. Kensington Fire District
KNHD	1658	SP	Redwood Falls, Minn. Bureau of Criminal Apprehension.
KBPT	1660	SP	Pecos, Tex. Dept. of Pub. Safety.
KSW	1660	MP	Berkeley, Calif.
KTSW	1660	SP	Longview, Texas. Dept. of Pub. Safety.
KTST	1660	SP	Tyler, Tex. Same as KTST.
WPGC	1660	SP	S. Schenectady, N. Y. (5 kw days).
WQFR	1660	SP	Portable in N. Y.
KAJH	1660	SP	Anchorage, T. A. Libby, McNeill & Libby.
KAMT	1660	SP	Kenai, T. A. Same.
KNCE	1660	SP	Ekuk, T. A. Same.
KNGF	1660	SP	Egegik, T. A. Same.
KNGS	1660	SP	Koogliung, T. A. Same.
WNP	1660	SP	Framingham, Mass. Commonwealth of Mass.
WPEV	1660	SP	W. Bridgewater, Mass. Same.
WPEW	1660	SP	Portable in Mass. Same.
WBRW	1660	SP	Norhampton, Mass. Same.
WSPH	1660	SP	Portable in Mass. Dept. of Pub. Safety.
WSPD	1660	SP	Nantucket, Mass. Same.
KGHK	1660	MP	Dak Bluffs, Mass. Same.
KGZT	1660	MP	Santa Ana, Calif.
KHPA	1660	SP	Leas Summit, Mo. Highway Patrol.
KHPB	1660	SP	Mason, Mo. Same.
KHFC	1660	SP	Kirkwood, Mo. Same.
KHPD	1660	SP	Springfield, Mo. Same.
KHPE	1660	SP	Poplar Bluff, Mo. Same.
KHPF	1660	SP	Jefferson City, Mo. Same.
KIUK	1660	SP	Jefferson City, Mo. Same.
KQCO	1660	MP	Sallina, Calif. Monterey County Sheriff.
KSPH	1660	MP	Hillsborough, Calif. City of H.
KWCP	1660	MP	Watsonville, Calif. City of W.
WAMF	1660	SP	Portable in Pa. State Police.
WPIB	1660	SP	Mobile on Airplane, Commonwealth of Pa. Motor Police.
WPSB	1682	SP	Harrisburg, Pa. Same.
KACC	1682	SP	Hartfield, Iowa.
KACD	1682	SP	Atterton, Iowa.
KADJ	1682	SP	Sacramento, Calif. (5 kw days). Dept. of Motor Vehicles. Highway Patrol.
KADK	1682	MP	Hilo, Hawaii. County of Hawaii.
KGHI	1682	SP	Des Moines, Iowa. Same as KADJ.
KGNF	1682	SP	Des Moines, Iowa. Bureau of Investigation
KNFO	1682	SP	Cedar Falls, Iowa. Same.
KQDO	1682	SP	Storm Lake, Iowa. Same.
KSCY	1682	SP	San Luis Obispo, Calif. Same as KADJ.
KSPR	1682	SP	Yreka, Calif. Same as KADJ.
KADW	1682	SP	Redding, Calif. Same as above.
CJR	1682	F	Portable in Iowa. Same as KGHQ.
CJR	1682	F	Campbell River, B. C. Minister of Lands for B. C.
VDM	1682	SI	Belleville, Ont. City of B.
VDM	1682	SI	Halifax, N. S.
VDM	1682	SI	Jackson, Miss. (2500 w. days). Commission of Pub. Safety.
WQFT	1682	SP	Portable in Ohio.
CZMG	1686	SP	Bellevue, P. Q. Laurentian Forest Protective Ass'n., Ltd.
WJRG	1686	SP	Phoenix, Ariz. Ariz. State Highway Dept.
WJRS	1686	SP	Duval County, Fla.
WJSE	1686	SP	Pensacola, Fla.
WJSH	1686	SP	Tallahassee, Fla.
WJSL	1686	SP	Fort Myers, Fla.
WJSM	1686	SP	W. Palm Beach, Fla.
WJSP	1686	SP	New Castle, Del.
WJST	1686	SP	Estair, Ind.
WJWN	1686	SP	Waterloo, Ind.
WJWR	1686	SP	Cover, Del. State of Del. Highway Dept.
WJWS	1686	SP	Cumberland, Md.
WJWF	1686	SP	Eastern, Md.
WJWG	1686	SP	Frederick, Md.
WJWH	1686	SP	Conowingo, Md.
WJWI	1686	SP	Randallstown, Md.
WJWJ	1686	SP	Waldorf, Md.
WJWK	1686	MP	St. Louis, Mo. City of S. L.
WJWL	1686	MP	Astoria, Ore.
WJWM	1686	MP	Baker, Ore.
WJWN	1686	MP	Coguille, Ore.
WJWO	1686	MP	The Dalles, Ore. Station 18.
WJWP	1686	MP	Eugene, Ore.
WJWQ	1686	MP	Portland in Ore. State of Ore., Police & Highway Dept.
WJWR	1686	MP	Grant's Pass, Ore. Same as KOHF.
WJWS	1686	MP	Portland in Ore. Same as KOHF.
WJWT	1686	MP	Portland in Ore. Same as KOHF.
WJWU	1686	MP	Portland in Ore. Same as KOHF.
WJWV	1686	MP	Portland in Ore. Same as KOHF.
WJWW	1686	MP	Portland in Ore. Same as KOHF.
WJWX	1686	MP	Portland in Ore. Same as KOHF.
WJWY	1686	MP	Portland in Ore. Same as KOHF.
WJWZ	1686	MP	Portland in Ore. Same as KOHF.

American Broadcast Station Index

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By frequencies - With names of owners
KEY TO SYMBOLS

Frequencies are given in kilocycles per second, and wavelength in meters. Night power is shown in watts in third column and daytime power (when different) is shown in parentheses in kilowatts. Thus (.25) indicates 250 watts. Exact frequencies, when not multiples of ten are shown in the second column.

As soon as possible after a station has been granted a construction permit to change frequency, power, or other facilities, the change will be made in our listing. Until such time as the station is known to commence use of the new facilities, the letter (P) will designate that the station has a construction permit only. This method, it is believed, will eliminate the possibility of a station making a change before we have had the opportunity to list it.

Second Column Symbols P—Has Construction Permit only.
A—Status in doubt.
B—National "Blue" Network.
C—Columbia Network.
D—Daytime only.
E—Minor Network.
F—Canadian Network.
G—Specified Hours.
K—Licensed for facsimile.
L—Limited time.
M—Mutual Network.
N—National "Red" and "Blue" Networks.
O—RHC-Cadena Azul (Cuban Network)

540 kcs. (552.2 m.)
CBK F 50000

550 kcs. (545.1 m.)
CFNB F 1000
CMW 2500
KFYR N 5000
KOAC 1000(5)
KOY C 1000
KSD R 1000(5)
KTS D 1000(5)
WDEV D 1000
WGR M 1000(5)
WKRC M 1000(5)
WSVA D 1000
XEFT P 250
XEPN P 250

560 kcs. (535.4 m.)
CJKL F 1000
CMKM 250
KFDM 1000
KLZ C 5000
KPQ C 1000
KSFO C 1000(5)
KWTO C 1000(5)
WFIL BM 1000
WGAN C 5000
WIND N 5000
WIS C 5000
WQAM C 1000
XEOF 1000

570 kcs. (526 m.)
CMHI O 10000
KGKO N 5000
KMTR 1000
KUTA N 1000(5)
KVI C 5000
T15JM C 1500
WKBN C 5000
WMAM D 250
WMCA C 5000
WNAX CP 5000
WSR C 1000
W-WNC C 1000

580 kcs. (516.9 m.)
CKPR F 1000
CKUA F 1000
KMJ EN 5000
KSMJ 2 500(1)
KSHS C 5000
WCHS C 5000
WDBO C 5000
WIAC C 5000
WIBW C2 5000
WILL D 5000
WTAG R 1000(5)
XEMU 250(5)

590 kcs. (508.2 m.)
XETH 1000
P 1000
Guadalajara, Jalisco

600 kcs. (499.7 m.)
CFCF BF 500
CFCH F 1000
CFQC F 1000
CIOR O 1000
CMKV 609
FON 250
HJFX 1000
KFSD C 500(1)
KROD C 650
TIGPH C 500(1)
WCAO M 500(1)
WICC BM 5000
WMT C 5000
WRFC MN 1000
XEOH 1000
XESF 250
XEXZ 2000

610 kcs. (491.5 m.)
CHNC F 1000
CIAT F 1000
CDAL C 1000
KFAR 1000
KFRC M 5000
WAYS P 1000
WDAF DM 500
WDLF R 500
WIOD N 500
WIP 1000(5)
WMUR 300
XFRX 1000(5)
XERJ 500

620 kcs. (483.6 m.)
CKCK F 1000
CMJL 250
KGW EN 5000
KTAR EN 5000(5)
KWFT CM 1000
TTPG 625
WAGE M 1000
WJAB D 250
WKAO D 5000
WLBZ MN 500(1)
WROL N 500(1)

630 kcs. (475.8 m.)
CKPR F 1000
CKUA F 1000
KMJ EN 5000
KSMJ 2 500(1)
KSHS C 5000
WCHS C 5000
WDBO C 5000
WIAC C 5000
WIBW C2 5000
WILL D 5000
WTAG R 1000(5)
XEMU 250(5)

640 kcs. (468.0 m.)
CKCK F 1000
CMJL 250
KGW EN 5000
KTAR EN 5000(5)
KWFT CM 1000
TTPG 625
WAGE M 1000
WJAB D 250
WKAO D 5000
WLBZ MN 500(1)
WROL N 500(1)

650 kcs. (460.2 m.)
CKPR F 1000
CKUA F 1000
KMJ EN 5000
KSMJ 2 500(1)
KSHS C 5000
WCHS C 5000
WDBO C 5000
WIAC C 5000
WIBW C2 5000
WILL D 5000
WTAG R 1000(5)
XEMU 250(5)

660 kcs. (452.4 m.)
CKPR F 1000
CKUA F 1000
KMJ EN 5000
KSMJ 2 500(1)
KSHS C 5000
WCHS C 5000
WDBO C 5000
WIAC C 5000
WIBW C2 5000
WILL D 5000
WTAG R 1000(5)
XEMU 250(5)

670 kcs. (444.6 m.)
CKPR F 1000
CKUA F 1000
KMJ EN 5000
KSMJ 2 500(1)
KSHS C 5000
WCHS C 5000
WDBO C 5000
WIAC C 5000
WIBW C2 5000
WILL D 5000
WTAG R 1000(5)
XEMU 250(5)

680 kcs. (436.8 m.)
CKPR F 1000
CKUA F 1000
KMJ EN 5000
KSMJ 2 500(1)
KSHS C 5000
WCHS C 5000
WDBO C 5000
WIAC C 5000
WIBW C2 5000
WILL D 5000
WTAG R 1000(5)
XEMU 250(5)

BROADCASTING STATIONS BY FREQUENCIES

580 kcs. (516.9 m.)
a Ontario
b Port Arthur, Ont., Dominion Battery Co., Ltd.
c Edmonton, Alta., Dougal Motor Car Co., Ltd.
d Fresno, Calif., University of Alberta.
e Fresno, Calif., McClatchey Brcdstg. Co.
f Manhattan, Kans., State College of Agriculture
g Charleston, W. Va., Charleston Brcdstg. Co.
h Charlotte, Fla., Orlando Brcdstg. Co.
i Orlando, Fla., Orlando Brcdstg. Co.
j San Juan, P. Rico, Enrique Abarca Sanfeliz.
k Topeka, Kans., Topeka Brcdstg. Assn., Inc.
l Urbana, Ill., University of Illinois.
m Worcester, Mass., Worcester Telegram Pub. Co., Inc.
n Piedras Negras, Coah., Radiodifusora de Piedras Negras.
o Orizaba, V. Cruz
p Guadalajara, Jalisco

590 kcs. (508.2 m.)
a Havana, Cuba, RHC-Cadena Azul.
b Honolulu, T. H., Hawaiian Brcdstg. System, Ltd.
c Spokane, Wash., Liberty Brcdstg. Corp.
d Atlanta, Ga., Liberty Brcdstg. Corp.
e Boston, Mass., CBS, Inc.
f Kalamazoo, Mich., WKZO, Inc.
g Umatilla, Pa., Fayette Brcdstg. Corp.
h Omaha, Nebr., Woodmen of the World.
i Reynosa, Tamps., Carlos V. Rodriguez
j Hermosillo, Son.
k Mexico City, D. F.
l Caracas, Venezuela, Suegart y Cia. "Radio Con-tinente"

600 kcs. (499.7 m.)
a Montreal, P. Q., Canadian Marconi Co.
b North Bay, Ont., R. H. Thompson
c Saskatoon, Sask., A. A. Murphy & Sons, Ltd.
d Vancouver, B. C., CIOR, Ltd.
e Holguin, Cuba, RHC-Cadena Azul
f St. Pierre, Miquelon, "Radio Club St. Pierre's"
g Manizales, Colombia
h San Diego, Calif., Airfan Radio Corp., Ltd.
i El Paso, Tex., Dorrance D. Roderick
j San Jose, Costa Rica, "Radio Alma Rica"
k Baltimore, Md., Monumental Radio Co.
l Bridgeport, Conn., The Yankee Network, Inc.
m Cedar Rapids, Iowa, Iowa Brcdstg. Co.
n Memphis, Tenn., WREC Brcdstg. Service.
o Winston-Salem, N. C., Piedmont Pub. Co.
p Torreón, Coah.
q Morelia, Micho.
r Merida, Yuc., Jorge L. Palomeque.

610 kcs. (491.5 m.)
a New Carlisle, P. O., Gaspeian Radio Co., Ltd.
b Trail, B. C., Kootenay Brcdstg. Co., Ltd.
c Duluth, Minn., Red River Brcdstg. Co., Inc.
d Fairbanks, Alaska, Midnight Sun Brcdstg. Co.
e San Francisco, Calif., Don Lee Brcdstg. System.
f Charlotte, N. C., Inter-City Advertising Co.
g Cleveland, Ohio, United Brcdstg. Co.
h Kansas City, Mo., Kansas City Star Co.
i Miami, Fla., Isle of Dreams Brcdstg. Corp.
j Philadelphia, Pa., Pa. Brcdstg. Co.
k Manchester, N. H., Radio Voice of N. H., Inc.
l Sabina, Ohio, Benito Garza Ortegon.
m Mazatlan, Sinaloa, Oscar Perez E

620 kcs. (483.6 m.)
a Regina, Sask., Leader-Post, Ltd.
b Kamagay, Cuba, Jones, Castrillon y Cia.
c Portland, Ore., Oregonian Pub. Co.
d Wichita, Kan., KTAR Brcdstg. Co.
e Wichita Falls, Tex., Wichita Brcdstg. Co.
f San Jose, Costa Rica, "La Voz de la Victor"
g Syracuse, N. Y., Sentinel Radio Supply House.
h Greensburg, Pa., Pittsburgh Radio Corp.
i San Juan, Puerto Rico, Radio Corp. of Puerto Rico.
j Bangor, Maine, Maine Brcdstg. Co.
k Knoxville, Tenn., Stuart Brcdstg. Corp.

BROADCASTING STATIONS BY FREQUENCIES

WSUN	5000	N	St. Petersburg, Fla., City of S. P.
WTFM	5000	N	Milwaukee, Wis., The Journal Co.
XENK	5000	Z	Mexico City, D. F.
630 kcs. (475.9 m.)			
CFCO	100	F	Chatham, Ont., John Beardall.
CFCY	1000	F	Charlottetown, P. E. I., Island Radio Brdcastg. Co.
CIRC	1000	F	Winnipeg, Man., Transcanada Communications, Ltd.
CKOV	1000	F	Kelowna, B. C., Okanagan Broadcasters, Ltd.
CMZ	5000	Z	Havana, Cuba, Constitutional Army.
KGFX	1200	D	Pierre, S. Dak., Dana McNeil Estate.
KOH	1000	N	Reno, Nev., The Bee, Inc.
KVOD	3000	B	Denver, Colo., Colorado Radio Corp.
KXOK	3000	B	St. Louis, Mo., StarTimes Pub. Co.
KMAL	3000	B	Washington, D. C., NBC, Inc.
WPRO	5000	C	Providence, R. I., Cherry & Webb Brdcastg. Co.
XEFB	500	C	Monterrey, N. L., Jesus Quintanilla.
YSS	100	C	Tapachula, Chiapas
	638	C	San Salvador, El Salvador.
640 kcs. (468.5 m.)			
HOK	250	R	Colon, Panama, La Voz de la Victor.
KFVP	50000	R	Los Angeles, Calif., Earle C. Anthony, Inc.
WHP	12500	L	St. John's Nfld., Brdcastg. Corp of Nfld.
WHKC	500	L	Columbus, Ohio, United Brdcastg. Corp.
WNAD	1000	D	Norman, Okla., University of Okla.
WOL	5000	D	Ames, Iowa, Iowa State College of Agriculture.
650 kcs. (461.3 m.)			
WSM	50000	N	Nashville, Tenn., National Life & Accident Ins. Co.
TIBAS	8000	655	San Juan de Tibas, C. R., "Estacion Tibas"
660 kcs. (454.3 m.)			
KOWH	500	BD	Omaha, Nebr., World Pub. Co.
KSKY	1000	D	Dallas, Texas, Chilote Radio Corp.
WEAF	50000	R	New York, N. Y., NBC.
XENB	500	C	Mexico City, D. F., Religio Esperza Vda.
YNPH	600	C	Managua, Nicaragua.
670 kcs. (447.5 m.)			
WMAQ	50000	R	Chicago, Ill., NBC, Inc.
680 kcs. (440.9 m.)			
KFEQ	500(2.5)	P	St. Joseph, Mo., KFEQ, Inc.
KFO	2000	R	San Francisco, Calif., NBC, Inc.
VAS	5000	R	Glace Bay, N. S., Canadian Marconi Co., Ltd.
WLAW	5000	D	Lawrence, Mass., Hildreth & Rogers Co.
WLSR	250	D	Butler, Pa., Butler Brdcastg. Co.
WPTF	50000	N	Raleigh, N. C., WPTF Radio Co.
XED	1000	C	Guadalajara, Jal., Cia. Radiofonografica.
690 kcs. (434.5 m.)			
CBF	50000	N	Montreal, P. Q., CBC.
CMQ	15000(25)	N	Havana, Cuba, Cambo y Gabriel.
KGF	500(1)	M	Chaffville, Kans., Hite, J. Powell.
TIGH	2000	C	San Jose, Costa Rica, "La V. de America Latina"
XEAC	5000	C	Ijuana, B. C., Jorge Rivera.
XEN	5000	C	Mexico City, D. F., Radio Mundial.
700 kcs. (428.3 m.)			
VOWR	500	KN	St. John's, Nfld., Wesley United Church.
WLW	50000	KN	Cincinnati, Ohio, Crosley Corp.
710 kcs. (422.3 m.)			
KIRO	50000	C	Seattle, Wash., Queen City Brdcastg. Co.
KMPC	10000	C	Beverly Hills, Calif., KMPC Station of the Stars.
WOR	50000	KM	New York, N. Y., Bamberger Brdcastg. Service.
720 kcs. (416.4 m.)			
HJCU	5000	C	Bogota, Colombia, "Radio Cristal"
TIANRH	725	R	Heredia, Costa Rica, "La V. de Comercio"
WGN	50000	KM	Chicago, Ill., WGN, Inc.
YV5RH	1000	C	Caracas, Venezuela, "La V. de la Patria"

BROADCASTING STATIONS BY FREQUENCIES

730 kcs. (410.7 m.)			
CKAC	5000	C	Montreal, P. Q., La Presse Pub Co., Ltd.
TLMC	700	Z	Cartago, Costa Rica, "Radio Caribe"
XEQ	150000	Z	Mexico City, D. F., Depto. de Publicidad y Propaganda.
740 kcs. (405.2 m.)			
CBL	50000	F	Toronto, Ont., CBC.
CMJN	1000	O	Canaguay, Cuba, RHC-Cadena Azul.
CMK	250	C	Havana, Cuba, Radiofusion O'Shea.
KTRH	5000	C	Houston, Texas, KTRH Brdcastg. Corp.
750 kcs. (399.8 m.)			
KMMJ	1000	L	Grand Island, Nebr., KMMJ, Inc.
KXL	10000	P	Portland, Ore., VXL, Rectre
TIVP	500	L	San Jose, Costa Rica, "La Voz del Pueblo."
WHEB	1000	L	Portsmouth, N. H., Granite State Brdcastg. Corp.
WSB	50000	R	Atlanta, Ga., Atlanta Journal Co.
760 kcs. (394.5 m.)			
KGU	2500	LN	Honolulu, Hawaii, Advertiser Pub. Co., Ltd.
WJR	50000	C	Detroit, Mich., WJR, The Goodwill Station.
770 Kcs. (389.4 m.)			
KOB	30000	N	Albuquerque, N. Mex., Albuquerque Brdcastg. Co.
KXA	1000	L	Seattle, Wash., American Radio Telephone Co.
TILJ	775	L	San Jose, Costa Rica, "Radio San Jose"
WCAL	5000	2D	Northfield, Minn., St. Olaf College.
WEW	10000	D	St. Louis, Mo., St. Louis University.
WJZ	50000	S	New York, N. Y., NBC, Inc.
WLB	5000	2D	Minneapolis, Minn., University of Minn.
780 kcs. (384.4 m.)			
KFAB	10000	CS	Lincoln, Nebr., KFAB Brdcastg. Co.
WRBM	50000	CS	Chicago, Ill., Columbia Brdcastg. System.
YSP	115	Z	San Salvador, El Salvador
790 kcs. (379.5 m.)			
CKSO	1000	F	Sudbury, Ont., Sudbury Star.
CMBC	1000(5)	C	Havana, Cuba, El Progreso Cubano.
KFC	5000	C	Los Angeles, Calif., Earle C. Anthony, Inc.
KFO	250	C	Anchorage, Alaska, Anchorage Radio Club, Inc.
KGHI	5000	N	Billing, Mont., Northwestern Auto Sup. Co., Inc.
KVOS	1000	PM	Bellingham, Wash., KVOS, Inc.
WEN	5000	RM	Providence, R. I., The Yankee Network, Incc.
WFAU	250(5)	C	Eau Claire, Wis., Central Brdcastg. Corp.
WMC	5000	R	Memphis, Tenn., Memphis Publishing Co.
WPRC	1000(2.5)	D	Sharon, Pa., Sharon Herald Brdcastg. Co.
WTR	5000	N	Mayaguez, P. R., P. R. Advertising Co., Inc.
XEDF	500	N	Norfolk, Va., WTAR Radio Corp.
XEF	1000	C	Nuevo Laredo, Tams.
VVKB	10000	C	Mexico City, D. F., Carlos Dragome Narro.
ZNS	1000	C	Caracas, Venezuela, Degwitz & Sibltiz.
	1000	d	Nassau Bahamas, Supt. of Telegraphs.
800 kcs. (374.8 m.)			
CHRC	1000	P	Quebec, P. Q., CHRC, Inc. (using only 250 w.)
CKIW	5000	FM	Windsor, Ont., Western Ont. Brdcastg. Co.
CMKI	1000	P	Portland, Me.
TIGH2	3000	(1)	San Jose, Costa Rica, "Nueva Alma Tica"
TIXD	1000	(1)	San Jose, Costa Rica
XESK	150000	P	Juarez, Chih.
810 kcs. (370.2 m.)			
CMHQ	5000	C	Santa Clara, Cuba, T. Rio Leon.
HJCI	2500	C	Bogota, Colombia, "La V. de la Victor"
KGO	7500	R	San Francisco, Calif., NBC.
KOAM	1000	DN	Pittsburg, Kans., Pittsburg Brdcastg. Co., Inc.
WGY	50000	R	Schenectady, N. Y., Gen. Electric Co.
XEFW	50000	C	L'Amico, Tams., Flores y Martinez.
820 kcs. (365.6 m.)			
WAIT	5000	ENa	Chicago, Ill., WCBD, Inc.
WBAP	50000	ENa	Fort Worth, Tex., Carter Publications, Inc.

BROADCASTING STATIONS BY FREQUENCIES

WFAA	ENa	50000	Dallas, Tex.	A. H. Belo Corp.
WOSU	...	5000	Columbus, Ohio	Ohio State Univ.
WTBO	L	250	Cumberland, Md.	Associated Brcdstg. Corp.
830 kcs. (361.2 m.)				
CMAX	D	250	Artemisa, Cuba	
TIEP	835	3000	San Jose, Costa Rica	Eduardo Pinto H.
WCCO	C	5000	Minneapolis, Minn.	Columbia Brcdstg. Sys.
WNYC	L	1000	New York, N. Y.	Municipal Brcdstg. Sys.
XELA	...	1000	Mexico City, D. F.	Radio Metropolitana.
840 kcs. (356.9 m.)				
WHAS	C	50000	Louisville, Ky.	Courier-Journal and Louisville Times
850 kcs. (352.7 m.)				
KFOU	L	5000	Clayton, Mo.	Evangelical Lutheran Synod of Mo.
KOA	R	5000	Denver, Colo.	NBC, Inc.
WEU	DN	1000	Reading, Pa.	Berks Brcdstg. Co.
WHDH	L	1000	Boston, Mass.	Matheson Radio Co., Inc.
WRUF	LM	5000	Gainesville, Fla.	University of Fla.
860 kcs. (348.6 m.)				
CFRB	C	10000	Toronto, Ont.	Rogers Radio Brcdstg. Co., Ltd.
CMBL	...	5000	Havana, Cuba	Radio Cadena Suaritos.
KTRE	D	250	Modesto, Calif.	KTRB Brcdstg. Co., Inc.
WSON	...	250	Henderson, Ky.	
XEMO	...	5000	Tijuana, B. Cia.	Fernando Ferreira.
KEUN	...	500	Mexico City, D. F.	Univ. Nacional de Mexico.
870 kcs. (344.6 m.)				
HJCC	...	5000	Bogota, Colombia	"La V. de Bogota"
KLEV	D	250	Glendale, Calif.	Cannon Sys. Ltd.
WHCU	CL	1000	Ithaca, N. Y.	Cornell University
WKAR	D	5000	E. Lansing, Mich.	Mitch. State College.
WWL	C	50000	New Orleans, La.	Loyola University.
880 kcs. (340.7 m.)				
TILS	...	5000	San Jose, Costa Rica	"Para Ti"
WABC	C	50000	New York, N. Y.	Columbia Brcdstg. Sys.
WHB	DM	1000	Kansas City, Mo.	WHB Brcdstg. Co.
YV5RQ	882	1000	Caracas, Venez.	"Radio Libertador."
890 kcs. (336.9 m.)				
WENR	Ba	50000	Chicago, Ill.	NBC, Inc.
WLS	Ba	50000	Chicago, Ill.	Agricultural Brcdstg. Co.
900 kcs. (333.1 m.)				
CHML	F	1000	Hamilton, Ont.	Maple Leaf Radio Co., Ltd.
CTBR	F	1000	Rimouski, P. Q.	J. A. Brilliant.
CKBI	F	1000	Prince Albert, Sask.	Prince Albert Radio Corp.
CMKS	250	1000	Guantanamo, Cuba	Candido Savon Suarez.
KLCN	PD	1000	Blytheville, Ark.	Fred O. Grimwood
XEW	...	100000	Mexico City, D. F.	Cadena Radiodifusora Mexicana.
910 kcs. (329.6 m.)				
...	P	1000	Antigonish, N. S.	
...	F	1000	Ottawa, Ont.	CBC
...	...	1000	Kamloops, B. C.	Kamloops Sentinel Ltd.
...	...	5000	Havana, Cuba	Cadena Azul
...	M2	1000	Greeley, Colo.	Mid-Western Radio Corp.
...	...	1000	Oakland, Calif.	Tribune Bldg. Co.
...	...	1000	Denver, Colo.	Pillar of Fire
...	M	1000	Sherman, Tex.	Red River Valley Brcdstg. Corp.
...	DP	500	Vancouver, Wash.	Vancouver Radio Corp.
...	B	1000	Meridian, Miss.	Miss. Brcdstg. Co., Inc.
...	C	1000	Flint, Mich.	Flint Brcdstg. Co.
...	...	500(1)	Scranton, Pa.	Scranton Broadcasters, Inc.
...	...	1000	Scranton, Pa.	WHL, Inc.
...	...	500(1)	Scranton, Pa.	Scranton Times
...	DM	5000	Richmond, Va.	Richmond Radio Corp.
...	...	1000(5)	Iowa City, Iowa	State University of Iowa.
...	...	250	Mexicali, B. Cia.	Chavez y Castro Suen.
920 kcs. (325.9 m.)				
CKNX	...	1000	Wingham, Ont.	Wingham Radio Club.
CMJK	...	5000	Camaguey, Cuba	Gaspar Estevez P.

BROADCASTING STATIONS BY FREQUENCIES

HJCS	...	50000	Bogota, Colombia	"Radio Continental"
KARK	N	5000	Little Rock, Ark.	Ark. Radio & Equipment Co.
KFNF	C	5000(1)	Shenandoah, Iowa	KFNF, Inc.
KFPY	2	5000	Spokane, Wash.	Symons Brcdstg. Co.
KFXJ	P	5000(1)	Grand Jct., Colo.	Western Slope Brcdstg. Co.
KUSD	2	300	Vermillion, S. Dak.	University of S. Dak.
TIRS	...	400	San Jose, Costa Rica	"Radio Athenea"
WBAA	...	1000(5)	W. Lafayette, Ind.	Purdue University
WBBB	DM	1000	Burlington, N. C.	Alamance Brcdstg. Co. Inc.
WGST	C	1000(5)	Atlanta, Ga.	Georgia School of Tech.
WJAR	R	5000	Providence, R. I.	Outlet Co.
WMMN	C	5000	Fairmont, W. Va.	Monongahela Valley Brcdstg. Co.
WTMM	P	1000	Trenton, N. J.	Trent Brcst. Co.
XBRH	...	1000	Hermosillo, Son.	Carlos Balderrama.
XEJZ	P	100	Torreon, Coah.	
XFMJ	...	200	Piedras Negras	
YNLG	...	1000	Managua, Nicaragua	Reuben Dario
930 kcs. (322.4 m.)				
CICA	F	1000	Edmonton, Alta.	North Western Publishers, Ltd.
CKKN	O	1000	Santiago de Cuba	RHC-Cadena Azul.
KGIRU	...	500	Ketchikan, Alaska	Radio & Service Co., Inc.
KHI	BMS	5000	Los Angeles, Calif.	Don Lee Brcdstg. Sys.
KSEI	N	250(1)	Pocatello, Idaho	Radio Service Corp.
TLOS	97	500	San Jose, Costa Rica	"Radio Titania"
WREN	R	5000	Buffalo, N. Y.	WREN, Inc.
WFMD	...	500	Frederick, Md.	The Monocacy Brcdstg. Co.
WVAX	N	1000(5)	Jacksonville, Fla.	City of Jacksonville
WKV	N	5000	Oklahoma City, Okla.	WKY Radiophone Co.
WTRI	D	1000	Stevens Point, Wis.	State of Wis.
WPAZ	D	1000	Peterson, N. J.	North Jersey Brcdstg. Co., Inc.
WSPZ	...	1000	Huntington, W. Va.	WSAZ, Inc.
WTAD	C	1000	Omneyc. Ill., Ill.	Brcdstg. Corp.
...	P	1000	Washington, N. C.	Tar Heel Bcstg. Co.
940 kcs. (319 m.)				
CRM	FR	5000	Montreal, P. Q.	CBC.
KTKC	MP	5000	Visalia, Calif.	Tulare-Kings Counties R. A.
WMAZ	...	1000(5)	Macon, Ga.	Southeastern Brcdst. Co., Inc.
XEDF	CL	50000	Mexico City, D. F.	Radio Panamericana.
950 kcs. (315.6 m.)				
CKNB	F	1000	Campbellton, N. B.	Charles Houde
CMZ	...	1000(5)	Havana, Cuba	Radio Salas.
HIX	...	1000	Ciudad Trujillo, D. R.	J.R., Saladin.
KFFL	M	5000	Denver, Colo.	Eugene P. O'Fallon.
KOMO	ER	5000	Seattle, Wash.	Fishers Blend Station, Inc.
KPRC	ER	5000	Houston, Tex.	Houston Printing Corp.
VOAR	...	25	St. Johns, Newfoundland	
WAAF	D	1000	Chicago, Ill.	Drivers Journal Pub. Co.
WORN	D	1000	Boston, Mass.	Brcdstg. Serv. Organization, Inc.
WPFN	...	5000	Philadelphia, Pa.	Wm. Penn Brcdstg. Co.
WSPA	C	5000	Spartanburg, S. C.	Spartanburg Adv. Co.
WWI	R	5000	Detroit, Mich.	Evening News Ass'n.
XEGM	...	1000(2.5)	Tijuana, B. Cia.	
960 kcs. (312.3 m.)				
CFAC	F	1000	Calgary, Alta.	South Western Publishers, Ltd.
CHNS	F	1000	Halifax, N. S.	Maritime Brcdstg. Co., Ltd.
CKWS	P	1000	Kingston, Ont.	Kingston Whig Standard
CMHN	E	1000	Santa Clara, Cuba	Cadena Radio Habana.
KMA	B	1000(5)	Shenandoah, Iowa	May Brcdstg. Co.
KROW	...	5000	Oakland, Calif.	Educational Brcdstg. Corp.
WBRC	R	5000	Birmingham, Ala.	Birmingham Brcdstg. Co., Inc.
WDRY	C	5000	Roanoke, Va.	Times World Corp.
WSRT	...	250(5)	New Haven, Conn.	City Brcdstg. Corp.
XFFF	...	500	South Bend, Ind.	South Bend Tribune.
XFFK	...	250	Nuevo Laredo, Tam.	Rafael T. Carranza.
XEOP	...	500	Hermosillo, Son.	
XEIT	...	500	Veracruz, Ver. C.	Fernando Pazos S.
YV5RA	...	10000	Caracas, Venezuela	"Radio Caracas"
970 kcs. (309.1 m.)				
CMKU	E	5000	Santiago de Cuba	Circuito CMQ
HJCM	...	250	Bogota, Colombia	"Nueva Granada"
KOIN	C	5000	Portland, Ore.	KOIN, Inc.

BROADCASTING STATIONS BY FREQUENCIES

TIRH	500	San Jose, Costa Rica, "Radio El Mundo"
WAAJ	1000	Jersey City, N. J., Bremer Brcdstg. Corp.
WAVE	1000	Portland, Me., WAVE, Inc.
WASH	5000	Portland, Me., Congress Square Hotel Co.
WDAJ	5000	Fargo, N. Dak., WDAJ, Inc.
WFLA	1000(5)	Tampa, Fla., The Tribune Co.
WFLX	5000	Madison, Wis., University of Wis.
WICA	1000	Ashland, Ohio, WICA, Inc.
WUCB	5000	Greenville, S. C., WUCB, Inc.
XEYI	500	Matamoros, Tam.
XEYK	750	
XEO		
980 kcs. (306 m.)		
CBV	1000	Quebec, P. Q., CBC.
CIRM	1000	Regina, Sask., CBC.
CKWX	1000	Vancouver, B. C., Western Brcdstg. Co., Ltd.
CMCK	5000	Havana, Cuba, Casa R. Bros. Brcdstg. Corp.
KFWB	5000	Los Angeles, Calif., Warner Brcdstg. Co.
KMBC	5000	Kansas City, Mo., Midland Brcdstg. Co.
WBCB	1000	Greensboro, N. C., Greensboro Brcstg. Co.
WHAL	500	Saginaw, Mich., Greenwood Shields.
WICR	500	Washington, D. C., WICR, Inc.
WSIX	5000	Troy, N. Y., Troy Brcdstg. Co., Inc.
WTRY	1000	Tampico, Tamps, Nicolas M. Picet
XECA	1000	Cananea, Son., Pedro L. Diaz
XEFO	500	Tepic, Nayar., Gobierno del Estado de Nayarit.
XEYI	1000	Nogales, Son.
XEYJ	500	San Cristobal, "La V. del Tachira"
YV2RB	500	

990 kcs. (302.8 m.)

CKY	15000	Winnipeg, Man., Man. Telephone Sys.
CMHT	250	Trinidad, Cuba, Fernando E. Sato del Valle
WIBG	10000	Philadelphia, Pa., Seaboard Radio Brcdstg. Corp.
WNOX	5000	Knoxville, Tenn., Scripps-Howard Radio, Inc.
XECL	1000	Mexicali, B. Cia., Alfonso A. Lacarra.
XEYI	5000	Monterrey, N. L., El Pregonero del Norte.
1000 kcs. (299.8 m.)		
CMKW	1000	Santiago de Cuba, Claudio Alvarez Soriano.
KIR	50000	Seattle, Wash., Fishers Blend Station, Inc.
TIFA	250	San Jose, Costa Rica, "La V. de Italia"
VOCL	250	St. Johns, Newfoundland.
WCEM	10000	Chicago, Ill., Chicago Federation of Labor.
WTNS	50000	New York, N. Y., Hearst Radio, Inc.
XEOY	10000	Mexico City, D. F.

1010 kcs. (296.9 m.)

CBY	1000	Toronto, Ont., CBC.
CFCN	10000	Calgary, Alta., Voice of the Prairies, Ltd.
CMX	25000	Havana, Cuba, Casa Lavin.
KQW	1000	San Jose, Calif., Pacific Agricult. Found.
XEAW	50000	Reynosa, Tamps.
XEJB	5000	Guadalajara, Jal.
XEQN	5000	Nogales, Son.
YV5RG	1000	Caracas, Ven., "Emisoras Unidas."
1020 kcs. (293.9 m.)		
KDKA	50000	Pittsburgh, Pa., Westinghouse Radio Stations, Inc.
KFVD	1000	Los Angeles, Calif., Standard Brcdstg. Co.

1030 kcs. (291.1 m.)

WBZ	50000	Boston, Mass., Westinghouse Radio Stations, Inc.
WBZA	1000	Springfield, Mass., Westinghouse Radio Sta., Inc.

1040 kcs. (288.3 m.)

HJ CZ	2500	Bogota, Colombia, "La V. de Colombia"
TSMG	1045	San Jose, Costa Rica, "La Voz del Hogar"
WHO	50000	Ives Moines, Iowa, Central Brcdstg. Co.
W9XC	150000	Mitchellville, Iowa, Central Brcstg. Co.

1050 kcs. (285.5 m.)

CMKG	250	Victoria, Cuba, Emilio Grau Medina
WDZ	1000	Tuscola, Ill., WZD Brcdstg. Co.

BROADCASTING STATIONS BY FREQUENCIES

WHN	1000(5)	New York, N. Y., Marcus Loew Booking Agency
XEG	150000	Monterrey, N. L.
YV5RZ	300	La Guaira, Venezuela, "Emisora Vargas."
1060 kcs. (282.8 m.)		
CJOC	PF	Lethbridge, Alta., H. R. Corson, Ltd.
CMCM	250	Havana, Cuba, Itransradio Columbia
CMCA	500	Camaguey, Cuba, Rafael Valdes
FLUG	250	Bogota, Colombia, "Radio Santa Fe"
KMY	R	Philadelphia, Pa., Westinghouse Radio, Inc.
XEST	50000	Mexico City, D. F.
1070 kcs. (280.2 m.)		
CBA	F	Sackville, N. B., Canadian Brcdstg. Corp.
KEBI	1000(5)	Wichita, Kans., Farmers & Bankers Brcdstg. Corp.
KNX	50000	Los Angeles, Calif., Columbia Brcdstg. System, Inc.
TINBC	P	San Jose, Costa Rica
WIBC	1000(5)	Indianapolis, Ind., Ind. Brcdstg. Corp.
1080 kcs. (277.6 m.)		
HHK	25000	Port-au-Prince, Haiti
HIAH	500	Barranquilla, Colombia, "Emisora Atlantico."
KRLD	50000	Dallas, Tex., KRLD Radio Corp.
KWJJ	P	Portland, Ore., KWJJ Broadcast Co., Inc.
KYOS	DM	Merced, Calif., Merced Brcdstg. Co.
WCAZ	D	Carthage, Ill., Superior Brcdstg. Service, Inc.
WTIC	RY	Hartford, Conn., "Ondas del Neveri"
YV6RE	P	Barcelona, Venez., "Ondas del Neveri"
1090 kcs. (275.1 m.)		
CMXX	250	Louisville, Ky., Mid-America Bcstg. Corp.
HIN	150	Havana, Cuba, Oscar Vidal Benitez
HJEE	250	Trujillo, D. R., J. M. Bonetti Burgos.
KEVR	250	Calif., Colombia, "Radio Cali."
KTHS	N	Seattle, Wash., Evergreen Brcstg. Corp.
WBAL	R	Hot Springs, Ark., Chamber of Commerce
WTAG	L	Baltimore, Md., WBAL Brcdstg. Co.
XEHR	250	Norfolk, Nebr., Norfolk Daily News
XERB	50000	Puebla, Pue.
1100 kcs. (272.6 m.)		
HJCB	L	Rosario, B. Cia., (Box 508, San Diego, Calif.)
KJBS	500	Bogota, Colombia, "Nueva Granada."
WTAM	R	San Francisco Calif., Julius Brunton & Sons Co., Cleveland, Ohio, NBC, Inc.
1110 kcs. (270.1 m.)		
CMBY	D	Havana, Cuba, Av. de Menocal 159
WBT	C	Charlotte, N. C., CBS.
WMBI	L2	Chicago, Ill., Moody Bible Institute
XEFO	P	Mexico City, D. F., Partido de la Revolucion Mex.
KPAS	P	Pasadena, Calif.
XELO	P	Tijuana, B. C.
1120 kcs. (267.7 m.)		
KMOX	C	St. Louis, Mo., CBS
YVIRF	350	Maracaibo, Venez., "Ondas del Lago."
1130 kcs. (265.3 m.)		
CBR	F	BARCELONA, B. C., Canadian Brcdstg. Corp.
CMKH	500	Manatimo, Cuba
HJCE	250	Ducaramanga, Colombia "R. Bucaramanga."
KDDE	1000	Stockton, Calif., E. F. Peffer
WCKH	C	Shreveport, La., International Brcdstg. Corp.
WCAW	D	Portiac, Mich., Pontiac Brcdstg. Co.
WDAV	I	Minneapolis, Minn., Dr. Geo. W. Young
WNEW	1000(5)	New York, N. Y., Greater N. Y. Brcdstg. Corp.
1140 kcs. (263 m.)		
HIBI	500	Santa Marta, Colombia, "La V. de S. M."
KSOO	5000	Sioux Falls, S. Dak., S. F. Broadcast Ass'n.
WVFA	50000	Richmond, Va., Larus & Bros. Co., Inc.
XENT		Nuevo Laredo, Tam. Cia., Industrial Universal S. A.

BROADCASTING STATIONS BY FREQUENCIES

1150 kcs. (260.7 m.)

CHSJ	F	1000	St. John, N. B., N. B. Brdstg. Co.,
CKOC	F	500(1)	Hamilton, Ont., Wentworth Radio Brdstg. Co., Ltd.
CKX	F	1000	Brandon, Man., Man. Telephone Sys.
CKXQ	F	1000(5)	Havana, Cuba, Ideas Pazos
HJDT	.....	400	Medellin, Colombia, "Radio Nutibara."
HJEB	.....	500	Calif., Colombia, "La V. de Valle."
KRKD	a	1000(2.5)	Los Angeles, Calif., Echo Park Evangelistic Ass'n
KRSC	E	1000	Seattle, Wash., Radio Sales Corp.
KRAL	.....	1000	Lawton, Okla., W. Carver and B. Ross.
KSAL	.....	1000	Seattle, Wash., KSAL, Inc.
KTBC	DP	250	Austin, Texas, State Capitol Brdstg. Assn.
TIHJ	.....	1000(5)	San Jose, Costa Rica, "Radio Universal"
WAGO	.....	1000(5)	Chattanooga, Tenn., W. A. Patterson
WCOP	.....	500	Boston, Mass., Brdstg. Corp.
WDEL	R	5000	Wilmington, Del.
WISN	B	5000	Milwaukee, Wis., Hearst Radio, Inc.
WJBO	B	5000	Baton Rouge, La., B. R. Brdstg. Co., Inc.
WKPA	D	250	New Kensington, Pa., Alleghany-Kiski Brdstg. Co.
WTAP	G	1000	College Station, Tex., Agricultural & Mech. College
XETP	.....	600	Mexico City, D. F., Salvador Monterrubio
XETJ	.....	100	Tepetitlan, Jalisco
YVIRD	1153	250	Maracaibo, Venez., "Radio Marconi."
YVARD	1153	200	Maracaibo, Venez., "Radiofusora Maracaibo."

1160 kcs. (285.5 m.)

HICO	.....	1000	Bogota, Colombia, "La V. de S. America."
KSU	.....	50000	Salt Lake City, Utah, Radio Serv. Corp.
WTD	L	20000	Chicago, Ill., WJJD, Inc.
YVREL	.....	1000	Caracas, Venez., "Radio Tropical."

1170 kcs. (256.3 m.)

KVOO	.....	25000	Albina, Okla., Southwestern Sales Corp.
WAPI	.....	1000(5)	Birmingham, Ala., Voice of Ala.
WVVA	C	50000	Wheeling, W. Va., W. V. Brdstg. Corp.
XECD	.....	350	Puebla, Pue., Ricardo Vazquez

1180 kcs. (254.1 m.)

WHAM	N	50000	Rochester, N. Y., Stromberg-Carlson Mfg. Co.
WLDS	.....	250	Jacksonville, Ill.

1190 kcs. (252 m.)

CMCU	.....	250	Havana, Cuba, Jorge Garcia Serra
HJAN	.....	1000	Barranquilla, Colombia, "La V. de Victor."
KEX	B	50000	Portland, Ore., Oregonian Pub. Co.
WOWO	P	50000	Fort Wayne, Ind., Westinghouse Radio Stations, Inc.
XELO	.....	50000	Tijuana, B. C., (Will move to 1110 kcs.)

1200 kcs. (249.9 m.)

HJCR	.....	50000	Bogota, Colombia, "Emisora Nacional"
HJRC	.....	500	San Jose, Costa Rica, "Accion Catolica"
WOAI	EN	50000	San Antonio, Tex., Southland Industries, Inc.

1210 kcs. (247.8 m.)

HTAM	.....	250	Monteria, Colombia, "Ondas del Sinu."
KLRA	CP	5000	Little Rock, Ark., Arkansas Brdstg. Corp.
WCAU	C	50000	Philadelphia, Pa., WCAU Brdstg. Co.

1220 kcs. (245.8 m.)

CHAB	F	1000	Moose Jaw, Sask., CHAB, Ltd.
CMKO	.....	250	Holguin, Cuba, Manuel Angula Farran
HJEE	.....	1000	Bogota, Colombia, "Ondas Bogotanas"
TIEP2	1225	1000	San Jose, Costa Rica, "Radio Libertad"
WGNV	.....	1000	Newburg, N. Y., WGNV Brdstg. Co., Inc.
XEB	.....	100000	Mexico City, D. F., El Buen Tono, S. A.

1230 kcs. (243.8 m.)

CHGB	F	250	Ste. Anne de Pocatiere, P. Q., G. Thos. Desjardins
CTCI	F	100	Calgary, Alta., Albertan Pub. Co.
CKVD	.....	100	Val d'Or, P. Q., La Voix d'Abitibi
CMCO	.....	250	Havana, Cuba, Enrique Lasanta
CMCW	.....	250	Havana, Cuba, J. Vilarino y Cia.

BROADCASTING STATIONS BY FREQUENCIES

z	250	.....	z	Camaguey, Cuba, Macco No. 27
a	100	.....	a	Port-au-Prince, Haiti
a	250	EM	a	Ada, Okla., C. C. Morris
a	250	.....	a	Astoria, Ore., Astoria Brdstg. Co.
a	100(.25)	.....	a	Jonesboro, Ark., Regional Brdstg. Co.
a	250	M	a	Sioux Falls, S. Dak., S. F. Broadcast Aas'n., Inc.
a	250	N	a	Amarillo, Tex., Amarillo Brdstg. Corp.
a	250	P	a	Spokane, Wash., Spokane Brdstg. Corp.
a	250	.....	a	Marshalltown Iowa, Marshall Elec. Co.,
a	250	.....	a	Las Vegas, N. Mex., Southwest Brdstg. Inc.
a	250	.....	a	Nampa, Idaho, Frank E. Hurt
a	100(.25)	.....	a	Fergus Falls, Minn., Charles L. Jaren
b	100	G	a	Sterling, Colo., Elmer G. Beehler
a	250	.....	a	Los Angeles, Calif., Ben S. McGlashan
a	250	.....	a	Little Rock, Ark., Ark. Brdstg. Co.
a	250	CM	a	Hastings, Neb., Nebr. Brdstg. Co.
a	250	.....	a	Hilo, Hawaii, Hawaiian Brdstg. Sys., Ltd.
a	100(.25)	.....	a	Monroe, La., Liner's Brdstg. Station, Inc.
a	250	M	a	The Dalles, Ore., Western Radio Corp.
a	250	.....	a	Marshfield, Ore., KOOS, Inc.
a	250	.....	a	Phoenix, Ariz., M. C. Reese
a	250	.....	a	Powell, Wyo., Albert Joseph Meyer
a	250	.....	a	Midland, Texas, Clarence Sharbaur
a	250	F	a	Lowell, Ariz., Copper Elec. Co., Inc.
a	250	M	a	Redding, Calif., Golden Empire Brdstg. Co.
a	250	M	a	San Luis Obispo, Calif., Valley Electric Co.
a	250	.....	a	Logan, Utah, Cache Valley Brdstg. Co.
a	100	B	a	Stockton, Calif., Win. Radio Brdstg. Co.
a	250	E	a	Winona, Minn., Win. Radio Brdstg. Co.
a	250	EN	a	Mankato, Minn., Southern Minn. Supply Co.
a	250	.....	a	Ranger, Me., Community Brdstg. Serv.
a	250	C	a	Anderson, S. C., Anderson College
a	250	.....	a	Worcester, W. Va., W. Va. Va. Radio Corp.
a	250	.....	a	Waverona, Ga., Jack Williams
a	250	.....	a	Ponca City, Okla., Adair, Carrall
a	250	M	a	Huntsville, Ala., Wilton Harvey Pollard
a	250	M	a	Dalton, Ga., Dalton Brdstg. Corp.
a	250	.....	a	Salisbury, Md., Peninsula Brdstg. Co.
a	250	N	a	Terra Haute, Ind., Banks of Wabash, Inc.
a	100	G	a	Rapid City, S. Dak., S. Dak. State School of Mines
a	250	C	a	Burlington, Vt., Bur. Daily News, Inc.
a	250	.....	a	Rossmore, Pa., N. C., J. Winfield Crew, Jr.
a	250	.....	a	DuBois, Pa., Tri-County Brdstg. Co.
a	250	.....	a	Lansville, Wis., WCOL, Printing Co.
a	250	N	a	Columbus, Ohio, Scripps-Herald Radio, Inc.
a	250	.....	a	Panama City, Fla., P. C. Brdstg. Co.
a	100(.25)	.....	a	Superior, Wis., WDSM, Inc.
a	250	N	a	Elmira, N. Y., Elmira Star-Gazette, Inc.
a	250	.....	a	Salem, Mass., North Shore Brdstg. Co.
a	250	.....	a	Kinston, N. C., Jonas Welland
a	250	M	a	Appleton, Wis., WHBY, Inc.
a	250	N	a	Hopkingsville, Ky., Paducah Brdstg. Co., Inc.
a	250	.....	a	Princeton, N. Y., WIBX, Inc.
a	250	N	a	St. Louis, Mo., Mo. Brdstg. Corp.
a	250	.....	a	Asheville, N. C., Station WISE, Inc.
a	250	.....	a	Baltimore, Md., Md. Brdstg. Co.
a	250	.....	a	Bloomington, Ill., Kaskaskia Brdstg. Co.
a	250	.....	a	New Orleans, La., Chas. C. Carlson
a	250	C	a	W. Palm Beach, Fla., WJNO, Inc.
a	100	.....	a	Hammond, Ind., WJOB, Inc.
a	250	E	a	Tuscaloosa, Ala., James R. Doss, Jr.
a	100(.25)	.....	a	Harrisburg, Pa., Keystone Brdstg. Corp.
a	250	P	a	Orlando, Fla., Hazelwood, Inc.
a	100	.....	a	Logan, W. Va., C. H. Frey and R. O. Greever
a	250	.....	a	Lynchburg, Va., Lynchburg Brdstg. Corp.
a	250	P	a	Worcester, Mass., C. T. Sherer Co., Inc.
a	250	.....	a	High Point, N. C., Radio Station WMFR, Inc.
a	250	.....	a	Mobile, Ala., S. B. Quigley
a	250	.....	a	Lapeer, Mich., Liberty St. Gospel Church
a	250	N	a	Florence, S. C., O. Lee Stone
a	250	G	a	Columbus, Ga., Columbus Brdstg. Co., Inc.
a	100(.25)	C	a	Saginaw, Mich., Saginaw Brdstg. Co.
a	250	G	a	McComb, Miss., McComb Brdstg. Corp.
a	100(.25)	.....	a	Sault Ste. Marie, Mich., Hiawathland Brdstg. Co.
a	250	.....	a	Hartford, Conn., Hartford Times, Inc.
a	250	.....	a	Toledo, Ohio, Community Brdstg. Co.
a	800	.....	a	Managua, Nicaragua.

BROADCASTING STATIONS BY FREQUENCIES

1240 kcs. (241.8 m.)

CBJ	F	250	Chicotini, P. O. Canadian Brdcastg. Corp.
CFPR	.....	50	Prince Rupert, B. C., Felix E. Batt
CHLT	.....	250	Sherbrooke, P. Q., La Tribune, Ltd.
LUIS	.....	50	Stratford, Ont., Frank M. Squires
CKCH	F	100	Hull, P. Q., CKCH Radio Brdcastg. Co. of Hull, Ltd.
CKMC	.....	50	Cobalt, Ont., R. L. MacAdam
CKLN	F	250	Nelson, B. C., News Co., Ltd.
CMGF	.....	250	Matanzas, Cuba, Bernabe K. de la Torre
HJAE	.....	525	Alexandria, La., Alex. Brdcastg. Co., Inc.
KALB	N	250	Wichita, Kans., KANS Brdcastg. Co.
KANS	.....	100	Elk City, Okla., E. M. Woody
KASA	.....	250	Carlsbad, N. Mex., J. D. Faivey
KAVE	.....	250	Ottumwa, Iowa, J. D. Faivey
KBIZ	.....	250	Devils Lake, N. Dak., KDLK, Inc.
KDLR	P	250	Monterey, Calif., Monterey Peninsula Brdcastg. Co.
KDON	.....	250	Klamath Falls, Ore., KFJJ Broadcasters, Inc.
KFJJ	EM	100	Lincoln, Neb., Cornbelt Brdcastg. Corp.
KFOR	2M	250	San Bernardino, Calif., Lee Bros. Brdcastg. Co.
KFXM	.....	250	Harlingen, Tex., Harbenito Brdcastg. Co.
KGBS	.....	250	Olympia, Wash., KGY, Inc.
KGY	.....	250	Okmulgee, Okla., Okmulgee Brdcastg. Corp.
KHBB	.....	100	Clovis, New Mexico, Western Broadcasters, Inc.
KICA	.....	100	Garden City, Kans., Garden City Brdcastg. Co.
KIUL	.....	250	San Antonio, Tex., The Wolmac Co.
KMAC	.....	250	Kilgore, Tex., Oil Capital Brdcastg. Ass'n.
KOCA	EM	250	Provo, Utah, Citizens Voice and Air Show.
KOVO	EN	250	Helena, Mont., Peoples Forum of the Air.
KPFA	.....	250	Pasadena, Calif., Pasadena Presb. Church.
KPPC	C	100	Sacramento, Calif., Royal Miller.
KROY	.....	100	Ardmore, Okla., Ardmore Pub. Co., Inc.
KVSO	M	100(,25)	Watertown, S. Dak., Midland National Life Co.
KWAJ	.....	250	Albany, Ore., Central Willamette Brdcastg. Co.
KWIL	.....	250	Globe, Ariz., Sims Brdcastg. Co.
KWJB	D	250	Decorah, Iowa, Luther College.
KWLC	.....	250	Jefferson City, Mo., Tribune Printing Co.
KWOS	P	250	Pendleton, Ore., Western Radio Corp.
KWXX	.....	250	Sweetwater, Tex., Sweetwater Radio, Inc.
KXOX	.....	250	Yuma, Ariz., Yuma Brdcastg. Co.
KYUM	.....	250	Watertown, N. Y., Watertown Brdcastg. Corp.
KWATN	.....	250	Wilkes-Barre, Pa., John I. Stenger, Jr.
WBAL	M	100	Richmond, Va., Grace Covenant Presb. Church.
WBXL	G3	250	Knoxville, Tenn., J. W. Birdwell.
WBRL	.....	250	Red Bank, N. J., Mounmouth Brdcastg. Co.
WBRB	4	100	Lewisiston, Maine, Twin City Brdcastg. Co., Inc.
WCOU	M	250	Montgomery, Ala., Capital Brdcastg. Co., Inc.
WCOV	G3	250	Chicago, Ill., Clinton R. White.
WCRV	.....	250	Harrisburg, Ill., Harrisburg Brdcastg. Co.
WEDQ	G3	250	Chicago, Ill., Emil Denemark, Inc.
WFAS	C	250	White Plains, N. Y., Westchester Brdcastg. Corp.
WFVY	.....	250	St. Augustine, Fla., Fountain of Youth Brdcastg. Co.
WFTM	.....	250	Fort Myers, Fla., Ft. Myers Brdcastg. Co.
WGAC	.....	250	Augusta, Ga., Twin States Brdcastg. Co.
WGBR	.....	100	Freeport, N. Y., Harry H. Carman.
WGMG	.....	250	Gulport, Miss., WGMG, Inc.
WGGG	P	250	Greenville, Ga., Gainsville Broadcasters.
WGRM	M	250	Greenwood, Miss., P. K. Ewing.
WHAI	.....	250	Greenfield, Mass., John W. Haight.
WHBU	N	250	Anderson, Ind., Anderson Brdcastg. Corp.
WHIZ	.....	250	Zanesville, Ohio, Southern Ohio Broadcasters, Inc.
WIBU	.....	250	Poyntette, Wis., Wm. C. Forrest
WVNN	.....	100(,25)	Louisville, Ky., Kentucky Brdcastg. Corp.
WVBY	.....	250	Gadsden, Ala., Gadsden Brdcastg. Co., Inc.
WVTF	.....	250	Hagerstown, Md., Hagerstown Brdcastg. Co.
WVW	.....	250	Lansing, Mich., WJLM, Inc.
WVTS	.....	250	Reckley, W. Va., Joe L. Smith, Jr.
WVTC	.....	250	Rice Lake, Wis., Walter H. Mc Gentry, Inc.
WVTN	.....	250	Jamestown, N. Y., James Brdcastg. Co., Inc.
WVW	M	250	Akron, Ohio, WJW, Inc.
WKOK	.....	250	Sunbury, Pa., Sunbury Brdcastg. Corp.
WLAG	.....	250	La Grange, Ga., La Grange Brdcastg. Co.
WLVV	.....	250	Yima, Ohio, Fort Industry Co.
WVFG	.....	250	Hibbing, Minn., Head of the Lakes Brdcastg. Co.
WOCB	.....	250	Hyannis, Mass., Cape Cod Brdcastg. Co.
WOMT	.....	100	Manitowoc, Wis., Francis M. Kadow.
WPAX	.....	250	Thomasville, Ga., H. Wimpw.
WPID	.....	5	Petersburg, Va., Petersburg Newspaper Corp.

BROADCASTING STATIONS BY FREQUENCIES

1250 kcs. (239.9 m.)

WRAL	M	250	Raleigh, N. C., Capitol Brdcastg. Co.
WSAY	.....	250	Rochester, N. Y., Brown Radio Service.
WSBC	G3	250	Chicago, Ill., W5BC, Inc.
WSNJ	.....	250	Bridgeton, N. J., Eastern States Brdcastg. Corp.
WSOC	MN	250	Charlotte, N. C., Radio Station W5OC, Inc.
WTAX	.....	100	Springfield, Ill., WTAX, Inc.
.....	.....	250	Hollywood, Calif.
XEMQ	.....	250	Merida, Yucatan
XERZ	.....	250	Leon, Gto.
.....	.....	250	Santa Clara, Cuba.
CMHO	.....	250	Santiago de Cuba, Pinar del Rio
CMKC	.....	500	Medellin, Colombia, "La V. de Antioquia."
HJDK	.....	500	Lawrence, Kans., University of Kansas.
KFKU	a	1000(5)	Port Arthur, Tex., Port Arthur College.
KPAC	.....	500	Santa Barbara, Calif., News-Press Pub. Co.
KTMS	BE	1000	Seattle, Wash., First Presb. Church.
KTW	2	1000	Pullman, Wash., State College of Wash.
KWSC	2	5000	Pittsburgh, Pa., WCAE, Inc.
WCAE	M	5000	Tampa, Fla., Tampa Times Co.
WDAE	C	1000(5)	Lawrence, Kans., WREN Brdcastg. Co.
WREN	.....	1000	Charleston, S. C., Atlantic Coast Brdcastg. Co.
WTMA	N	1000	Parral, Chih., Box 90.
XEAT	.....	600	Guadalajara, Jal., Salvador Vasquez T.
XEDK	.....	500	Hermosillo, Jal.,
XEDL	.....	500	Hermosillo, Jal.,
XESJ	.....	1000	Saltillo, Coah.
XETJ	.....	500	Vera Cruz Ver. C., Jose Rodriguez Lopez.
YVIRK	.....	350	Maracabo, Venezuela, "Radio Popular"
.....	.....	1000	Edmonton, Alta., G. R. A. Rice.
CFRN	F	5000	Havana, Cuba, Radio Emisora Nacional.
CMFP	.....	500	Calif., Colombia
HJEL	.....	500	Boone, Iowa, Boone Biblical College.
KGFL	N	5000	Springfield, Mo., Springfield Brdcastg. Co.
KGBQ	.....	1000	Albuquerque, N. Mex., New Mexico Brdcastg. Co.
KGGM	C	1000(5)	San Francisco, Calif., Hearst Radio, Inc.
KGMM	E	5000	Indianapolis, Ind., WFDL, Inc.
WFRM	R	5000	Boston, Mass., The Yankee Network, Inc.
WNAC	M	1000	Washington, D. C., American Brdcastg. Co.
WOL	.....	500	Culiacan, Sinaloa, Ignacio L. Saiz.
YFHH	.....	150	San Luis Potosi, S. L. P., Benjamin Briones.
YFHM	.....	100	Chihuahua, Chih., Feliciano Lopez Islas.
YFIB	.....	250	Laredo, Tams.
YFBU	.....	250	Minatitlan, Ver. C., Hector Silva Cantor.
XELJ	.....	250	Mexico City, D. F.
XEDV	.....	750	.....
XELI	.....	750	.....
.....	.....	1000	Sydney, N. S., Eastern Broadcasters, Ltd.
CJCB	F	1000	Ciego de Avila, Cuba, RHC-Cadena Azul.
CMJM	O	1000	Barranquilla, Col., "Radio Barranquilla."
HJAT	1275	.....	Cucuta, Colombia, "La Voz de Cucuta."
HJBC	.....	440	Fort Worth, Tex., Tarrant Brdcastg. Co.
KFJZ	M	5000	Mandan, N. Dak., Mandan Radio Ass'n.
KGCU	.....	1000	Twin Falls, Idaho, Radio Brdcastg. Corp.
KTFI	N	1000	Rock Island, Ill., Rock Island Brdcastg. Co.
WHRF	M	5000	Springfield, Mass., WSPR, Inc.
WSPR	M	5000	Detroit, Mich., King-Trendle Brdcastg. Corp.
WXVZ	B	5000	Oaxaca, Oax.
XEAX	.....	500	Guzman, Jal., Javier Velasco.
XEBA	.....	250	Navojua, Son.
XEGI	.....	500	Camarago, Chih.
XEDN	.....	150	Leon, Gto.
XEFM	.....	100	Juarez, Chih., Dario Cordoba.
XEFV	.....	250	Moravia, Micho.
XEBC	.....	100	Merida, Yuc., Perfecto Villamil Cisero.
XEME	.....	500	Tehuacan, B. Cfa.
XERT	.....	500(5)	Barquisimeto Venezuela, "Radio America."
YV3RA	.....	1500	.....
.....	.....	250	Sagua la Grande, Cuba, Abelardo Menocal.
CMHA	.....	1000	Long Beach, Calif., Nichols & Wainner, Inc.
KVFA	.....	280	Huerfana, Col., "Radio Santander."
HIGX	.....	1000	Yakima, Wash., Carl E. Haymond.
KIT	M	5000	New Orleans, La., WDSU, Inc.
WDSU	B	5000	Evansville, Ind., Evansville on the Air, Inc.
WGBF	N	1000(5)	.....

BROADCASTING STATIONS BY FREQUENCIES

WHBI	1000(2.5)	2	Newark, N. J., May Radio Brdcastg. Corp.
WKST	1000	...	New Castle, Pa., WKST, Inc.
WMRO	250	...	Aurora, Ill., Martin R. O'Brien.
WVO	5000	2	New York, N. Y., Wodaam Corp.
WTGN	1000(5)	B	Minneapolis, Minn., Minnesota Brdcastg. Corp.
WEAG	250	...	Cordoba, Ver. C., Diodoro Zuniga.
XEBW	600	...	Chihuahua, Chih.
XEE	100	...	Durango, Dgo., Alejandro Stevenson, Jr.
XELK	100	...	Zacatecas, Zac.
XEOL	250	...	Los Mochis, Sin.
XEPL	250	...	Colima, Col. J. Roberto Levy.
XEX	500	...	Monterrey, N. L., El Heraldo del Comercio
XEXJ	100	...	Tuxtla Gutierrez, Chis.
1290 kcs. (232.4 m.)			
CMCH	250	2	Havana, Cuba, Radio Popular.
CMXH	250	2	Havana, Cuba, "La Onda Popular"
CMKD	1000	...	Santiago de Cuba, Radioemisora Oriental.
HJCK	250	...	Bogota, Colombia, "Ecos del Tequendama."
KVSO	1000	C	Missoula, Mont., Mosby's, Inc.
KHSL	1000	M	Chico, Calif., Golden Empire Brdcastg. Co.
KOIL	5000	EMC	Omaha, Nebr., Central States Brdcastg. Co.
KRGV	1000	MN	Weslaco, Tex., KRGV, Inc.
KVOA	5000	D	Siloam Springs, Ark., KUOA, Inc.
WFVA	1000	EN	Tucson, Ariz., Arizona Brdcastg. Co., Inc.
WHIO	250	D	Federicksburg, Va., Fredericksburg Brdcastg. Corp.
WHLD	5000	C	Dayton, Ohio, Miami Valley Brdcastg. Corp.
WKNE	1000	D	Niagara Falls, N. Y., Niagara Falls Gazette Pub. Co.
WBNF	5000	PC	Keene, N. H., WKNE, Inc.
WTOC	5000	PC	Binghamton, N. Y., W. B. Jones Adv. Agency
XEAP	100	...	Savannah, Ga., Savannah Brdcastg. Co.
XEDA	1000	...	Obergon, Son., Emilio Manzanilla.
			Mexico City, D. F., Pedro Ricetra Diaz.
1300 kcs. (230.6 m.)			
CMAN	1000	O	Pinar del Rio, Cuba, RHC-Cadena Azul.
CMIF	250	...	Camaguey, Cuba, John L. Stowers.
HJEC	500	...	Cali, Colombia, La Voz de Colombia.
KGLO	1000	C	Mason City, Iowa, Mason City Globe Gazette Co.
KOL	1000(5)	M	Seattle, Wash., Seattle Brdcastg. Co., Inc.
KVOR	1000	C	Colorado Springs, Colo., Out West Brdcastg. Co.
WASH	500	Na	Grand Rapids, Mich., King-Trendle Brdcastg. Corp.
WBR	5000	MO	Baltimore, Md., Baltimore Radio Show, Inc.
WDX	1000(5)	R	Baltimore, Md., Lamar Life Ins. Co.
WOOD	500	Na	Water Rapids, Mich., King-Trendle Brdcastg. Corp.
WVNY	500	D	Watertown, N. Y., The Brockway Co.
XEGF	100	...	Culiacan, Sin., Estaban Perra.
XES	500	...	Juarez, Chih., Estaban Perra.
XES	250	...	Tampico, Tam., Fernando Sada.
YVIRA	100	...	Maracaibo, Venezuela "Ecos del Zulia"

1310 kcs. (228.9 m.)

CKCO	1000	F	Ottawa, Ont., Dr. G. M. Geldert.
CMGN	1000	O	Iovellanos, Cuba, RHC-Cadena Azul.
HJAK	500	...	Barranquilla, Col., "La V. del la Patria."
KFBB	5000	C	Great Falls, Mont., Buttrely Broadcast. Inc.
KYLS	1000	...	Oakland, Calif., Warner Bros.
TGI	...	...	Guatemala, City, Guat., "Radio Morse."
WCAM	500	2	Camden, N. J., City of Camden.
WCAP	2	2	Asbury Park, N. J., Radio Industries Broadcast Co.
WDOD	5000	N	Chatanooga, Tenn., WDDO Brdcastg. Corp.
WIBA	5000	C	Madison, Wis., Badger Brdcastg. Co., Inc.
WISH	1000(5)	...	Indianapolis, Ind., Captiol Brdcastg. Corp.
WORC	1000	...	Worcester, Mass., Alf. Frank Kleindienst.
WRR	5000	M	Dallas, Tex., City of Dallas.
WTNI	500	2	Trenton, N. J., WOAX, Inc.
XEAD	500	...	Guadalajara, Jal.
XEC	250	...	Tijuana, B. C.
XEHV	1000	...	Veracruz, Ver. C.
XEMG	250	...	Gomez Palacio, Dgo.
1320 kcs. (227.1 m.)			
CMHP	250	...	Placetas, Cuba, Guevara y Gonzalez.
CMKE	250	...	Vanzanillo, Cuba.
HJDO	1800	...	Medellin, Colombia, "Emisora Claridad."
KDYI	5000	R	Salt Lake City, Utah, Intermountain Brdcastg. Corp.
WATR	1000	...	Waterbury, Conn., WATR Co., Inc.

BROADCASTING STATIONS BY FREQUENCIES

WFBC	5000	N	Duluth, Minn., Head of the Lakes Brdcastg. Co.
WJAS	5000	C	Pittsburgh, Pa., Pittsburgh Radio Supply House.
WJH	250	...	Jacksonville, Fla., The Metropolis Co.
WJZ	5000	D	Saranac Lake, N. Y., Up-State Brdcastg. Corp.
WJEL	5000	...	San Juan, P. R., Juan Piza.
XEAL	100	...	Mexico City, D. F., Carmen Gutierrez.
XEBK	200	...	Nuevo Laredo, Tamps., Guajardo y Cortes
XESY	200	...	Cananhen, Son.
1330 kcs. (225.4 m.)			
CMBG	1500	2	Havana, Cuba, John L. Stowers.
CMBS	250	2	Havana, Cuba, Enrique Artalejo.
HJAA	250	...	Barranquilla, Col., "Ecos de la Costa."
KALE	5000	M	Portland, Ore., KALE, Inc.
KFAC	1000	...	Los Angeles, Calif., Los Angeles Brdcastg. Co., Inc.
KFHC	5000	C	Wichita, Kans., Radio Station KFHC Co.
WBBR	1000	2	Brooklyn, N. Y., Watch Tower Bible & Tract Society, Inc.
WEVD	1000	2	New York, N. Y., Debs Memorial Radio Fund, Inc.
WFBC	5000	N	Greenville, S. C., Greenville News-Piedmont Co.
WFIN	1000	PD	Findlay, Ohio, Findlay Brdcastg. Co.
WHAZ	2	2	Troy, N. Y., Rensselaer Polytechnic Institute.
WLWL	250(1)	M	Sheboygan, Wis., Press Pub. Co.
WLOL	1000	N	Minneapolis, Minn., Independent Merchants Brdcastg. Co.
XEBO	600	...	Irapuato, Gto., Alfonso Martinez.
XECF	150	...	Los Mochis, Sin., Francisco Perez H.
XEKS	100	...	Saltillo, Coah.
	250	P	Middletown, N. Y., Community Bcastg. Corp.
1340 kcs. (223.7 m.)			
CFGP	250	P	Pembroke, Ont.
CHCK	250	...	Grande Prairie, Alta., Northern Brdcastg. Corp.
CHLW	250	F	Charlottetown, P. E. I., CHCK Radio Brdcastg. Co.
CHWS	250	F	Chilliwack, B. C., Chilliwack Brdcastg. Co., Ltd.
CKCV	100	F	Yarmouth, N. S., Laurie L. Smith.
CMCI	250	...	Quebec, P. Q., CKCV, Ltd.
KAND	250	...	Camaguey, Cuba, Calle, Ginereros y General Gomez.
HJEF	500	...	Corsicana, Tex., Navarro Brdcastg. Assn.
KHVD	250	...	Cali, Calif., "La V. del Bellein."
KCKN	250	E	Bend, Ore., The Bend Bulletin.
KCKN	250	E	Kansas City, Kans., KCKN Brdcastg. Co.
XEBS	250	f	Terome, Ariz., Central Arizona Brdcastg. Co.
XEPE	100(25)	...	Dublin, Cal.
XEPE	250	P	Fresno, Calif.
KFLO	250	M	Lubbock, Tex., Plains Radio Brdcastg. Co.
KGEW	250	...	Kaispell, Mont., Donald C. Treloar.
KHMO	250	...	Nearney, Nebr., Central Nebraska Brdcastg. Corp.
KHMY	250	...	Hannibal, Mo., Courier-Post Pub. Co.
KMYB	250	...	Watsonville, Calif., John P. Scripps.
KOCY	250	EM	Denver, Colo., F. W. Meyer.
KPDN	250	...	Oklahoma City, Okla., Plaza Court Brdcastg. Co.
KRBA	250	D	Tulsa, Okla., Oil Capital Sales Corp.
KRMD	250	P	Lampa, Tex., R. C. Hoiles.
KROC	250	...	Lufkin, Tex., Red Lands Brdcastg. Assn.
KSUB	250	EN	Shreveport, La., KRMD, Inc.
KVOC	250	...	Clinton, Iowa, Clinton Brdcastg. Corp.
KVOL	250	...	Rockester, La., Southern Minn. Brdcastg. Co.
KVSO	250	...	Cedar City, Utah, Southern Utah Brdcastg. Co.
KVSO	250	...	Grants Pass, Ore., Southern Oregon Brdcastg. Co.
KVWF	250	E	Victoria, Tex., Radio Enterprises, Inc.
KWFC	250	C	Lafayette, La., Evangeline Brdcastg. Co.
KWLM	250	...	Moorehead, Minn., K.O.X. Brdcastg. Co.
KXOC	250	...	Hot Springs, Ark., Hot Springs Brdcastg. Co.
KXOC	250	...	William, Minn., Laeland Brdcastg. Co.
WAIR	250	M	Aphar Bluff, Mo., K.A.R.O. Inc.
WAME	250	DM	Winston-Salem, N. C., Radio Station WAIR.
WBRE	250	N	Wilkes-Barre, Pa., Laure Radio Station, Inc.
WBRW	250	...	Pittsfield, Mass., Monroe B. England.
WCMJ	250	...	Weich, W. Va., Mc Dowel Service Co.
WDAK	250	M	Joliet, Ill., WCLS, Inc.
WDMJ	250	...	Ashland, Ky., Ashland Brdcastg. Co.
WDFR	250	...	West Point, Ga., Valley Brdcastg. Co.
WEIM	250	B	Marquette, Mich., Lake Superior Brdcastg. Co.
	250	ME	Burling, N. Y., WEBR, Inc.
	250	...	Fitchburg, Mass., Ruben E. Aronheim.

BROADCASTING STATIONS BY FREQUENCIES

KONO	250	a	San Antonio, Tex., Mission Bdrdstg. Co.
KORN	250	a	Fremont, Nebr., Nebraska Bdrdstg. Corp.
KRE	250	a	Merkeley, Calif., Central Calif. Broadcasters, Inc.
KRKO	100(25)	a	Everett, Wash., Everett Bdrdstg. Co., Inc.
KRLC	250	a	Lewiston, Idaho, H. E. Studebaker
KRMC	250	a	Jamestown, N. Dak., Jamestown Bdrdstg. Co., Inc.
KRNM	250	a	Temple, Tex., Bell Bdrdstg. Co.
KRNL	250	a	Tucumcari, N. Mex.
KTKO	250	a	Oklahoma City, Okla., Oklahoma Bdrdstg. Co., Inc.
KTSW	250	a	Emporia, Kans., Emporia Bdrdstg. Co., Inc.
KTSS	250	a	Springfield, Mo.
KTUC	250	a	ucson, Ariz., Tucson Bdrdstg. Co., Inc.
KVFD	250	a	Fort Dodge, Iowa, Northwest Bdrdstg. Co.
KVGB	250	a	Great Bend, Kans., Helen Townsley
KVRS	250	a	Rock Springs, Wyo., Wyoming Bdrdstg. Co.
KWLK	250	a	Longview, Wash., Twin City Bdrdstg. Corp.
KWYO	250	a	Sheridan, Wyo., Big Horn Bdrdstg. Co., Inc.
KGX	50	a	Guatemala City, Guatemala
WABY	250	a	Albany, N. Y., Adirondack Bdrdstg. Co., Inc.
WAGF	250	a	Dothan, Ala., Dothan Bdrdstg. Co.
WARM	250	a	Scranton, Pa., Union Bdrdstg. Co.
WATL	250	a	Atlanta, Ga., Atlanta Bdrdstg. Co.
WATW	100	a	Ashland, Wis., WJMS, Inc.
WBLK	250	a	Clarksburg, W. Va., Charleston Bdrdstg. Co.
WBNY	250	a	Buffalo, N. Y., Roy L. Alberrison
WBTH	250	a	Williamson, W. Va., Williamson Bdrdstg. Corp.
WBTM	250	a	Danville, Va., Piedmont Bdrdstg. Corp.
WBRI	250	a	Columbus, Miss., Birney Imes
WCBM	250	a	Baltimore, Md., Baltimore Bdrdstg. Corp.
WCNC	250	a	Elizabeth City, N. C., Albermarle Bdrdstg. Corp.
WCOS	250	a	Columbia, S. C., Carolina Adv. Corp.
WDCS	250	a	Philadelphia, Pa., WDAS, Bdrdstg. Station, Inc.
WDEF	250	a	Chattanooga, Tenn., Joe W. Engel
WDWS	250	a	Champaign, Ill., Champaign News-Gazette, Inc.
WELL	250	a	Eville Creek, Mich., Federated Publications, Inc.
WFOA	250	a	Evansville, Ind., Evansville, on the Air, Inc.
WEST	250	a	Easton, Pa., Associated Broadcasters, Inc.
WFOR	250	a	Haffsburg, Miss., Forrest Bdrdstg. Co., Inc.
WFTL	250	a	Fort Lauderdale, Fla., Tom M. Bryan
WGBR	250	a	Goldsboro, N. C., Eastern Carolina Bdrdstg. Co.
WGIL	250	a	Galesburg, Ill., Galesburg Bdrdstg. Co.
WGRG	250	a	New Albany, Ind., North Side Bdrdstg. Corp.
WHBO	250	a	Memphis, Tenn., WHBQ, Inc.
WHDF	250	a	Calumet, Mich., Upper Mich. Bdrdstg. Co., Inc.
WHKY	250	a	Hickory, N. C., Catawba Valley Bdrdstg. Co., Inc.
WHLB	250	a	Virginia, Minn., Head of the Lakes Bdrdstg. Co.
WHUB	250	a	Cookeville, Tenn., WHUB, Inc.
WHYN	250	a	Holyoke, Mass., Hampden-Hampshire Corp.
WINC	250	a	Winchester, Va., Richard Field Lewis
WIAC	250	a	Johnstown, Pa., WJAC, Inc.
WIHO	250	a	Opelika, Ala., Opelika-Auburn Bdrdstg. Co.
WILB	250	a	Detroit, Mich., John L. Booth Bdrdstg. Co., Inc.
WILD	250	a	Bessemer, Ala.
WIZM	250	a	Clarksville, Tenn., Wm. D. Hudson
WKMO	250	a	Kokomo, Ind., Kokomo Bdrdstg. Corp.
WKPT	250	a	Kingsport, Tenn., Kingsport Bdrdstg. Co., Inc.
WKWK	250	a	Wheeling, W. Va., Wheeling Bdrdstg. Co., Inc.
WLLH	10-100	a	Lawrence, Mass., Merrimack Bdrdstg. Co., Inc.
WLLH	250	a	Lowell, Mass., Merrimack Bdrdstg. Co., Inc.
WMAN	250	a	Mansfield, Ohio, Richmond, Inc.
WMBR	250	a	Jacksonville, Fla., Florida Bdrdstg. Co.
WMBF	250	a	Wilmington, N. C., Richard A. Dunlea
WMGA	250	a	Moultrie, Ga., Frank R. Pidcock, Sr.
WMIN	250	a	St. Paul, Minn., WMIN Bdrdstg. Co.
WMSL	250	a	Decatur, Ala., Tenn. Spartaanburg Advertising Co.
WORS	250	a	Prattsburgh, Pa., Scotio Bdrdstg. Co.
WPAY	250	a	Williamsport, Pa., WRPAK, Inc.
WRAC	250	a	Augusta, Wis., Racine Bdrdstg. Corp.
WRDN	100	a	Warren, Ohio, Nield & Stevens
WRNO	250	a	Warren, Ohio, Northern Bdrdstg. Co., Inc.
WRNU	250	a	Wausau, Wis., N. Y. St. Lawrence Bdrdstg. Corp.
WSRB	250	a	Buffalo, N. Y., Board of Education
WSV	250	a	Buffalo, N. Y., Board of Education
WSVS	250	a	Traverse City, Mich., Midwestern Bdrdstg. Co.
WTOM	250	a	Navajoh, Son.
XEAM	100	a	Tatamoras, Coah.
XEAM	250	a	Tatamoras, Coah.
XEDF	100	a	Torreón, Coah.
XEF	100	a	Inareze, Chih., Gilberto Gil

BROADCASTING STATIONS BY FREQUENCIES

XEJA	250	a	Morelia, Micho., Carlos Gutierrez M.
XEJA	100	a	Jalapa, Ver. C.
XEMH	250	a	Acapulco, Gro.
XEMH	250	a	Merida, Yuc.
XEPF	200	a	Ensenada, B. Cfa.
XETX	100	a	Casas Grandes, Chih.
XEXX	250	a	Guadalajara, Jal.
XEXX	100	a	San Luis Potosi, S.L.P.
YVIRC	500	a	Maracaibo Venez., "La Voz de la Fe."
YV6RA	1000	a	Valencia Venez., "Radio Valencia"
	250	a	Boliviar, Venez., "Ecos del Orinoco."
	250	a	Bartlesville, Okla., Bartlesville Bdrdstg. Co.
	250	a	Brainerd, Minn., Brainerd-Bemidji, Co.
	250	a	
CKMO	1000	a	Vancouver, B. C., B. C. Bdrdstg. Sys., Ltd.
CMAG	1000	a	Pinar del Rio, Cuba, V. E. Weiss y Cia.
CMJH	250	a	Sancti Spiritus, Cuba, V. E. Weiss y Cia.
HJEB	100	a	Buga, Colombia
KERN	BE	a	Bakersfield, Calif., McClatchy Bdrdstg. Co.
KOV	B	a	Pittsburgh, Pa., KQV Bdrdstg. Co.
WALA	1000	a	Mobile, Ala., Pope Bdrdstg. Co.
WING	5000	a	Dayton, Ohio, Great Trails Bdrdstg. Corp.
WKBH	5000	a	La Crosse, Wis., WKBH, Inc.
WNBC	5000	a	New Britain, Conn., State Bdrdstg. Corp.
XELC	750	a	Mexico City, D. F.
XERY	250	a	Laredo, Tam.
	500	a	Agua Prieta, Son.
	250	a	
CMBD	250	a	Havana, Cuba, Luiz Perez Marcia
CMCO	5000	a	Havana, Cuba, Calle Vista Alegre
KABR	1000	a	Aberdeen, S. Dak., Aberdeen Bdrdstg. Co.
KUJ	1000	a	Walla Walla, Wash., KUJ, Inc.
WFCI	1000	a	Pawtucket, R. I., Pawtucket Bdrdstg. Co.
WHK	5000	a	Cleveland, Ohio, United Bdrdstg. Co.
WOC	1000	a	Davenport, Iowa, Tri-City Bdrdstg. Co.
WWSR	1000	a	St. Albans, Vt., Vermont Radio Corp., Inc.
XEDS	500	a	Mazatlan, Sin.
XEF	100	a	Juarez, Chih.
XEON	2000	a	Tijuana, B. Cfa.
XEH	1000	a	Monterrey, N. L., "Radio Tarneva"
XEWE	100	a	Irapuato, Guanajuato
	1000	a	
CHEX	P	a	Peterborough, Ontario
CMKZ	250	a	Tulma Soriano, Cuba, Joaquin Venero Obregon.
HJEK	100	a	Tula, Colombia
KARM	5000	a	Fresno, Calif., The George Harm Station
KLO	BEM	a	Ogden, Utah, Interstate Bdrdstg. Corp.
KTRN	P	a	Tacoma, Wash., Michael J. Ningoe
KTUL	C	a	Tulsa, Okla., Tulsa Bdrdstg. Co., Inc.
KWKW	PD	a	Passadena, Calif., So. Calif. Bdrdstg. Corp.
WBYN	500(1)	a	Brooklyn, N. Y., Unified Bdrdstg. Corp.
WIRE	R	a	Indianapolis, Ind., Indianapolis Bdrdstg., Inc.
XEAQ	100	a	Villa Acuna, Coah.
XENJ	500	a	Navajoh, Son.
XEGZ	1000	a	San Luis Potosi, S. L. P., Zeferino Z. Jiminez.
XEOK	100	a	Progreso, Yuc., Arturo Pina Perez.
YVARE	300	a	Maracay, Venez., "Radio Maracay"
	500	a	
CMGH	500	a	Matanzas, Cuba, "Rialto"
CMIH	250	a	Ciego de Avila, Cuba, Gilberto Gesse Lopez.
HJFL	100	a	Ibague, Colombia, "Ondas de Ibague
HOC	100	a	Panama City, Panama
KFTM	500(1)	a	Grand Forks, N. Dak., University of N. Dak.
KGNC	1000(5)	a	Amarillo, Tex., Plains Radio Bdrdstg. Co.
KILO	500(1)	a	Grand Forks, N. D.
KMED	N	a	Medford, Ore., Mrs. W. J. Virgin.
KPRO	CP	a	Riverside, Calif., Brestg. Corp. of America
WVAB	M	a	Boston, Mass., The Yankee Network, Inc.
WHIS	500(1)	a	Bay City, Mich., Bay Bdrdstg. Co., Inc.
WHIS	500(1)	a	Bluefield, W. Va., Daily Telegram Pig. Co.
WROK	M	a	Rockford, Ill., Rockford Broadcasters, Inc.
WSFA	500(1)	a	Montgomery, Ala., Montgomery Bdrdstg. Co., Inc.

BROADCASTING STATIONS BY FREQUENCIES

Call Letters	Frequency	Power	Location	Station Name
NEFI	1000	.....	Chihuahua, Chih.,	Feliciano Lopez Islas.
XELZ	1000	.....	Mexico City, D. F.,	Maria Gardena de Zetina.
1450 kcs. (206.8 m.)				
CHLN	250	F	Perry Sound, Ont.	
CHLN	100	.....	Irescott, Ont.	Radio Ass'n of Prescott.
CKCA	100(.25)	F	Three Rivers, P.O.,	Three Rivers le Nouvelliste.
CMAB	250	.....	Kenora, Ont.	Kenora BROADCASTING CO., LTD.
CMHM	250	.....	Pinar del Rio, Cuba,	Hotel Ricardo.
HJEG	500	.....	Cienfuegos, Cuba,	
HRN	500	M	Popayan, Colombia,	"La Voz del Alcazar."
KABC	250	.....	Jegualapa, Honduras,	"La Voz de Honduras."
KATE	250	4	Alberlton, Tex.,	Albert Lee Austin Brd. Co. Inc.
KBPS	100	.....	Portland, Ore.,	Benson Polytechnic School.
KCMC	250	M	Texarkana, Tex.,	KCMC, Inc.
KDNT	100	.....	Denton, Tex.,	Harwell V. Shepard
KEUB	250	EM	Pric, Utah,	Eastern Utah BROADCASTING CO.
KFBC	250	EN	St. Cloud, Minn.,	The Times Pub. Co.
KFLZ	250	.....	Fremont, Wyo.,	Frontier BROADCASTING CO.
KFMB	250	.....	Fond du Lac, Wis.,	Reporter-Printing Co.
KGFF	250	EM	San Diego, Calif.,	KGFF BROADCASTING CORP.
KGLW	100	3	Shawnee, Okla.,	KGFP BROADCASTING CO., INC.
KGLU	250	EN	Alamosa, Colo.,	E. I. Allen.
KIDW	250	3	Safford, Ariz.,	Gila BROADCASTING CO.
KLBM	100	.....	Lamar, Colo.,	Lamar BROADCASTING CO.
KMYC	250	.....	La Grande, Ore.,	Ben E. Stone
KNET	100	.....	Marysville, Calif.,	Marysville-Yuba City BROADCASTING CO., INC.
KORF	250	M	Palestine, Tex.,	Eugene BROADCASTING CORP.
KRBC	250	M	Abilene, Tex.,	Reporter BROADCASTING CO.
KRBM	250	EN	Roseman, Mont.,	KRBM BROADCASTERS.
KRIC	250	.....	Sioux City, Iowa,	Sioux City BROADCASTING CO.
KSAN	250	.....	Richison, Kans.,	Carl Latenser.
KTRI	250	M	Wallace, Idaho,	Silver BROADCASTING CO.
KWBW	250	.....	Hutchinson, Kans.,	Nations Center BROADCASTING CO., INC.
TGO	200	.....	Quezaltenango,	Guatemala, Director of Elec. Comm.
WACO	250	M	Waco, Tex.,	Frontier BROADCASTING CO., INC.
WACW	250	G	Vincennes, Ind.,	Vincennes News Papers, Inc.
WASX	250	.....	Vincennes, Ind.,	VFAM, Inc.
WAZL	250	M	Hazelton, Pa.,	Hazelton BROADCASTING SERVICE, INC.
WAZV	250	N	Springfield, Ill.,	WCBS, Inc.
WBSV	250	N	Charlotteville, Va.,	Community BROADCASTING CORP.
WCHV	250	R	Greenwood, S. C.,	Greenco, Inc.
WDED	250	.....	Rocky Mount, N. C.,	Wm. Avera Wynne.
WFMJ	250	.....	Youngstown, Ohio,	Wm. F. Maag, Jr.
WFNC	250	P	Fayetteville, N. C.,	Cumberland BROADCASTING CO.
WFGC	250	.....	Atlantic City, N. J.,	Neptune BROADCASTING CORP.
WGLF	250	N	Fort Wayne, Ind.,	Westinghouse Radio Stations, Inc.
WGVG	250	.....	Gastonia, N. C.,	WGNC, Inc.
WGPC	250	C	Valdosta, Ga.,	Governor E. D. Rivers.
WHDL	250	.....	Albany, Ga.,	Albany BROADCASTING CO., INC.
WHFL	250	.....	Cicero, Ill.,	WHFC, Inc.
WHLN	250	P	Harlan, Ky.,	Bianfox Radio Co., Inc.
WHNS	250	.....	Port Huron, Mich.,	Port Huron BROADCASTING CO.
WHNA	250	.....	Anniston, Ala.,	Harry M. Ayers.
WHNS	250	B	Jackson, Mich.,	WJBM, Inc.
WJLM	250	.....	Wilmington, Del.,	Delaware BROADCASTING CO.
WTSA	250	.....	Ironwood, Mich.,	WTMS, Inc.
WTSA	250	P	Washington, Pa.,	Washington BROADCASTING CO.
WKFU	100	.....	Griffin, Ga.,	Station WKFT.
WKIP	250	.....	Poughkeepsie, N. Y.,	Poughkeepsie BROADCASTING CORP.
WLAP	250	P	Endicott, N. Y.,	Tohmas I. Watson.
WLEU	250	B	Fayetteville, N. C.,	WGNC BROADCASTING CORP.
WTPM	250	.....	Ft. Pa.,	WLEU BROADCASTING CORP.
WVMA	250	.....	Suffolk, Va.,	Suffolk BROADCASTING CORP.
WVRH	250	C	Springfield, Mass.,	WMAAS, Inc.
WVMS	250	N	Toplin, Mo.,	Toplin BROADCASTING CO.
WVMS	250	.....	Daytona Beach, Fla.,	W. Wright Each.
WVMA	250	.....	Muscle Shoals, Ala.,	Muscle Shoals BROADCASTING CORP.
WVAB	100(.25)	.....	Martinsville, Va.,	Martinsville BROADCASTING CO.
WVNO	250	.....	Bridgeport, Conn.,	Harold Thomas
WVNO	250	.....	New Orleans, La.,	WNOF, Inc.
WVPA	250	.....	Paducah, Ky.,	Paducah BROADCASTING CO.
WVPA	250	.....	Parkersburg, W. Va.,	Ohio Valley BROADCASTING CORP.
WVRC	250	.....	Toccoa, Ga.,	R. G. I.e. Tourneau

BROADCASTING STATIONS BY FREQUENCIES

Call Letters	Frequency	Power	Location	Station Name
WSJI	1000	.....	Jackson, Miss.,	Standard Life BROADCASTING CO.
WSJB	250	.....	Sarasota, Fla.,	WSPH, Inc.
WSJDC	250	P	Washington, D. C.,	Capital BROADCASTING CO.
XEBJ	250	.....	Victoria, Tam.,	Fernando Elizalde.
XEBQ	250	.....	Torreón, Coah.,	Maria Refugio Acosta.
XEDK	100	.....	Magdalena, Son.,	
XEFK	100	.....	Merida, Yuc.,	Manuel Zapata Espinosa.
XEGC	100	.....	Zamora, Micho.,	Guillermo Calzada.
XETX	250	.....	Orizaba, Ver.,	
XEPF	250	.....	Queretaro, Que.,	
XERK	100	.....	Tepic, Nay.,	Chia.
XETA	250	P	Tapachula, Chia.,	
XEXE	100	.....	Xecoco, Mex.,	
XEXB	100	.....	Matamoros, Tam.,	
XEXP	250	.....	New Bern, N. C.,	Coastal BCASTG. CO.
1460 kcs. (205.4 m.)				
CMGX	1000	F	Yorkton, Sask.,	Yorkton BROADCASTING CO., LTD.
CMGG	250	.....	Havana, Cuba,	"La Onda", S.A.
CMKO	500	.....	San Luis Oriente, Cuba	
HIBE	100	.....	Blanca, Col.,	"Ondas del Magdalena."
KEVE	500	.....	Everett, Wash.,	Cascade BROADCASTING CO., INC.
KGNE	1000	D	North Platte, Nebr.,	Great Plains BROADCASTING CO.
KINY	500	.....	Juneau, Alaska,	Edwin A. Kraft.
KSO	1000(S)	M	Des Moines, Iowa,	Iowa BROADCASTING CO.
WBNS	1000(S)	C	Columbus, Ohio,	WBNS, Inc.
WHFC	500(1)	C	Harrisburg, Pa.,	WHFP, Inc.
WHP	1000(3)	C	Harrisburg, Pa.,	WHFP, Inc.
WVPS	500(1)	M	Memphis, Tenn.,	Memphis BROADCASTING CO.
WOKJ	500(1)	CK	Albany, N. Y.,	WOKO, Inc.
WVTV	100	.....	Nuevo Laredo, Tam.,	
XEWG	1000	.....	Tampico, Tam.,	
XEWG	1000	.....	Juarez, Chih.,	
1470 kcs. (204 m.)				
CKCB	1000	F	Timmins, Ont.,	R. H. Thomson, North Bay.
CMGE	250	.....	Cardenas, Cuba,	Genaro Sebatier.
CMTO	250	.....	Ciego de Avila, Cuba,	Bonifacio Ildefonso.
H160	250	.....	Trujillo, D. R.,	Julio A. Garcia.
HJFE	250	.....	Pereira, Colombia,	"La V. de Pereira."
KDFN	1000	N	Casper, Wyo.,	Donald Lewis Hathaway.
KFLA	1000	M	Centralia, Wash.,	Central BROADCASTING CORP.
KXYZ	500	M	Houston, Tex.,	Harris County BROADCASTING CO.
WBIG	500	C	Greensboro, N. C.,	N. C. BROADCASTING CO., INC.
WCHA	500	a	Allentown, Pa.,	Lehigh Valley BROADCASTING CO.
WMTD	1000(5)	C	Ironia, Ill.,	Penra BROADCASTING CO.
WSAN	500	N	Allentown, Pa.,	Lehigh Valley BROADCASTING CO.
XEAU	1000(5)	.....	Tiuna, B. C.,	
XESM	1475	.....	Mexico City, D. F.,	Av. Clandin Bernard
YV3RE	1500	.....	Barquisimeto, Venez.,	"Radio Rarnuismeto"
YV3RE	1500	.....	Houston, Tex.,	San Jacinto BCASTG. CO.
1480 kcs. (202.6 m.)				
CHVS	50	F	Summerside, P. E. I.,	R. T. Holman, Ltd.
CHVI	500	.....	Victoria, B. C.,	Victoria BROADCASTING AS'n.
HMIX	250	.....	Cienfuegos, Cuba,	J. Garcia BROADCASTING AS'n.
KCMO	1000(S)	F	Medellin, Col.,	"Ecos del Occidente"
KCFX	1000(S)	S	Kansas City, Mo.,	KCMO BROADCASTING CO.
KTFM	500(1)	M	Wolf Point, Mont.,	E. F. Kretschek
KTRM	1000	N	Eureka, Calif.,	Redwood BROADCASTING CO.
WGAR	1000(S)	C	Shreveport, La.,	Red State BROADCASTING CO.
WJOM	500(1)	CP	Cleveland, Ohio,	WGAR BROADCASTING CO.
WBDW	1000	M	Jordan City, N. I.,	N. I. BROADCASTING CORP.
WESR	1000	.....	Augusta, Ga.,	Augusta BROADCASTING CO.
XEXZ	5000	.....	Fall River, Mass.,	Doughty & Welch Elec. Co., Inc.
XEXZ	5000	.....	Tlaxcala, Tlax.,	
1490 kcs. (201.2 m.)				
CHLP	250	F	Montreal, P. Q.,	La Patrie Pub. Co.
CHTC	250	F	Sault Ste. Marie, Ont.,	Whitby & Hyland.
CHMH	100	P	Medicine Hat, Alta.	
CMCA	250	P	Havana, Cuba,	Testier y Gonzalez.
CMKF	250	.....	Holguin, Cuba,	Manuel De Gongora.
CMOX	250	.....	Havana, Cuba,	Perez y Chisholm.
HJDU	250	.....	Medellin, Colombia	
HJIX	250	EM	Muskogee, Okla.,	Okla. Press Pub. Co.

BROADCASTING STATIONS BY FREQUENCIES

KBKR	250	M	Baker, Ore., Baker Brdcastg. Co.
KBST	100	M	Big Spring, Tex., Big Spring Herald Brdcastg. Co.
KBUR	250	M	Burlington, Iowa, Burlington Brdcastg. Co.
KBDJ	250	EM	Santa Barbara, Calif., Santa Barbara Brdcastrs., Ltd.
KDRO	250	M	Sedalia, Mo., Drolch Bros.
KEYS	250	M	Corpus Christi, Tex., Nueces Brdcastg. Co.
KFFA	250	P	Helena, Ark., Helena Brdcastg. Co.
KEEW	100(.25)	M	Brownsville, Tex., Eagle Brdcastg. Co., Inc.
KGKB	250	M	Tyler, Tex., East Texas Brdcastg. Co.
KKY	250	M	Scottsbluff, Nebr., Hilliard Co.
KVLI	100(.25)	M	Brady, Tex., G. L. Burns
KXOW	250	M	Austin, Tex., Frontier Brdcastg. Co., Inc.
KONB	250	M	Omaha, Nebr., Radio Station KSAM
KOTN	250	M	Pine Bluff, Ark., Universal Brdcastg. Corp.
KOVC	250	M	Valley City, N. Dak., KOVC, Inc.
KPAB	250	M	Laredo, Tex., Mervel M. Valenunc.
KPLC	250	M	Lake Charles, La., Calcasieu Brdcastg. Co.
KPLT	250	M	Paris, Tex., North Texas Brdcastg. Co.
KRNK	250	M	Roseburg, Ore., News-Review Pub. Co.
KSAM	250	M	Huntsville, Tex., Radio Station KSAM
KTBI	250	M	Lincoln, Wash., Tacoma Broadcasters, Inc.
KTOH	250	M	Lihue, Hawaii, Garden Island Pub. Co., Ltd.
KVOE	250	M	Santa Ana, Calif., Voice of the Orange, Empire, Inc.
KVWC	250	M	Vernon, Tex., Northwestern Brdcastg. Co.
KVEW	100	M	Hobbs, N. Mex., W. E. Whitmore.
KXCO	100	M	El Centro, Calif., Valradio Co., Inc.
KYCA	250	M	Prescott, Ariz., Southwest Brdcastg. Co.
WBAB	250	F	Atlantic City, N. J., Press Union Pub. Co.
WBTA	250	F	Batavia, N. Y., Batavia Brdcastg. Corp.
WDAN	250	P	Danville, Ill., Northwestern Pub. Co.
WDBC	250	P	Escanaba, Mich., Delta Brdcastg. Co.
WDNC	250	C	Durham, N. C., Durham Radio Corp.
WERC	100(.25)	C	Erie, Pa., Presque Isle Brdcastg. Co.
WGAL	250	N	Lancaster, Pa., WGAL, Inc.
WGV	100	N	Greenville, N. C., Kanawah Valley Brdcastg. Co.
WGIC	250	N	Selma, Ala., Selma Brdcastg. Co., Inc.
WHBB	250	M	Medford, Wis., Geo. F. Meyer.
WJGM	250	M	Detroit, Mich., J. F. Hopkins, Inc.
WJKB	250	N	Dubuque, Iowa, Sanders Bros.
WKBB	250	N	Richmond, Ind., Knox Radio Corp.
WKBY	250	M	Muskegon, Mich., Ahnacker Radio Corp.
WKY	250	M	Kingston, N. Y., Kingston Brdcastg. Corp.
WKRO	250	P	Cairo, Ill., Oscar C. Hirsch.
WMTS	250	P	Natchez, Miss., Natchez Brdcastg. Co.
WMTM	100(.25)	P	Cordale, Ga., Cordale Dispatch Pub. Co., Inc.
WMOG	100(.25)	M	Brunswick, Ga., Coastal Brdcastg. Co.
WMOF	250	M	Greenville, S. C., Textile Brdcastg. Co.
WMRN	250	P	Lewistown, Pa., Lewistown Brdcastg. Co.
WMRP	250	M	Marion, Ohio, Marion Brdcastg. Co.
WOLF	250	M	New London, Conn., Thames Brdcastg. Corp.
WOMI	250	M	Owensboro, Ky., Owensboro Brdcastg. Co.
WOPH	250	M	Bristol, Tenn., Radiophone Station WOPI.
WOSH	250	P	Oshkosh, Wis., Howard H. Wilson
WRGS	250	M	Rome, Ga., Rome Brdcastg. Corp.
WRSA	250	M	Roanoke, Va., Roanoke Brdcastg. Corp.
WSTP	250	M	Salisbury, N. C., Piedmont Brdcastg. Corp.
WTVM	100	M	Ocala, Fla., Ocala Brdcastg. Co., Inc.
WTVW	250	M	East St. Louis, Ill., Miss. Valley Brdcastg. Co., Inc.
WVSW	250	M	Pittsburgh, Pa., Walker & Downing Radio Corp.
XECH	100	M	Toluca, Mex., Modeste Ortega.
XECP	100	M	Guadalajara, Jal.
XEOT	100	M	Parral, Chih.
XEOB	100	M	Gomez Palacio, Dgo.
XEVA	100	M	Madero, Tam.
XEYU	100	M	Veracruz, Ver. C.
XEYR	750	M	Saltillo, Coah.
XELY	150	M	Puerto Cabello, Venez. "Radio Pto. Cabello".
			Aguascaliente, Ags., Mex.

1500 kcs. (199.9 m.)

KSTP	50000	MR	St. Paul, Minn., KSTP, Inc.
WISY	50000	C	Washington, D. C., CBS, Inc.
XERH	100	M	Mexico City, D. F.
			Fort de France, Martinique, "Radio Fort de Fr."

BROADCASTING STATIONS BY FREQUENCIES

1510 kcs. (198.6 m.)			
HIEM	100	M	Palmira, Colombia "Radio Palmira"
KGA	10000	Z	Spokane, Wash., Louis Wasmer.
WLAC	5000	Ca	Nashville, Tenn., WLAC Brdcastg. Serv.
WMEX	5000	Ca	Boston, Mass., The Northern Corp.
1520 kcs. (197.3 m.)			
HFDM	500	Z	Medellin, Colombia, "Radio Cordoba"
KOMA	50000	C	Oklahoma City, Okla., KOMA, Inc.
TGW	5000	e	Guatemala City, Guat., Radiodifusora Nacional
WHIP	5000	Z	Hammond, Ind., Hammond-Calumet Brdcastg. Corp.
WKBW	50000	Z	Buffalo, N. Y., Buffalo Brdcastg. Corp.
WPRP	1000(5)	a	Ponce, Puerto Rico, Julio M. Conesa
1530 kcs. (196 m.)			
KFBK	10000	a	Sacramento, Calif., McClatchey Brdcastg. Co.
WCKY	50000	a	Cincinnati, Ohio, L. B. Wilson, Inc.
1540 kcs. (194.7 m.)			
CFBH	5000	e	Havana, Cuba, Alberto Alvarez
HFJF	500	Z	Armenia, Colombia, "Pregonos del Quindio"
1550 kcs. (193.4 m.)			
CKTB	1000	a	St. Catharines, Ont., E. T. Sandell
XEBG	1000	Z	Tijuana, B. Cla., Angel B. Fernandez
XEML	1000	Z	Mexico City, D. F.
1560 kcs. (112.2 m.)			
CMHD	250	d	Caibarien, Cuba, Manuel Alvarez M.
WQXR	10000	a	New York, N. Y., Interstate Brdcastg. Co.
1570 kcs. (191.0 m.)			
CFPL	1000	a	London, Ont., London Free Press
XEAW	100000	a	Reynosa Tamps.
1580 kcs. (189.8 m.)			
CBJ	250	a	Chicotimi, P. Q., Canadian Bestg. Corp.
CMCT	2	Z	Havana, Cuba, Radio Emisora Comercial
CMCR	2	Z	Havana, Cuba, Av. de Menocal 115
CMJO	250	Z	Nuevitas, Cuba
1590 kcs. (188.6 m.)			
KUTE	1000	M	Kansas City, Mo., First Natl. Television, Inc.
WAKR	5000	B	Akron, Ohio, Summit Radio Corp.
WALB	1000	M	Albany, Ga., Herald Pub. Co.
WBYF	5000	CM	Waterbury, Conn., American-Republican, Inc.
XEMC	5000	P	Mexico City, D. F.
		Z	Tijuana, B. C.
1600 kcs. (187.4 m.)			
KPMC	1000	M	Bakersfield, Calif., Pioneer Mercantile Co.
WVNL	250	Z	Brookline, N. Y., Arthur Fiske
WVWR	5000	Z	Woodside, N. Y., Long Island Brdcastg. Corp.
XEAB	5000	Z	Villa Acuna, Coah.

BUILD YOUR OWN

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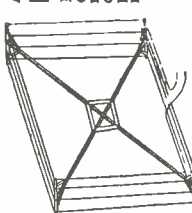
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It's easy, make your own INDOOR COIL AERIAL

Drawing R. F. amplifier circuit, chart for tabulating number of turns to put on coil for any wave length. Complete data covering 0 to 24,000 meters on three large sheets, \$1.00. Stamps not accepted.

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Champaign St., Wash., D. C.



BROADCASTING STATIONS BY CALL LETTERS

For power and network affiliations, see the list of stations by frequencies. The space under the call letters may be used for logging or checking.

CBA	1070	CHGS	1480	CKCO	1310	CMBL	860	CMHM	1450	CMKU	970
CBF	690	CHLN	1450	CKCV	1340	CMBQ	1150	CMHN	960	CMKY	600
CBJ	1240	CHLP	1490	CKCW	1400	CMBS	1330	CMHP	1320	CMHO	1250
CBK	540	CHLT	1240	CKGB	1470	CMBX	1390	CMHQ	810	CMKW	1000
CBL	740	CHML	900	CKLN	1240	CMBY	1110	CMHT	990	CMKX	1090
CBM	940	CHNC	610	CKLW	800	CMBZ	950	CMHX	1480	CMKY	1350
CBO	910	CHNS	960	CKMC	1240	CMC	1360	CMJA	1060	CMKZ	1430
CBR	1130	CHRC	800	CKMO	1410	CMCA	1490	CMJC	1340	CMOA	1360
CBV	980	CHSJ	1150	CKNB	950	CMCB	1390	CMJE	1230	CMOX	1490
CBY	1010	CHWK	1340	CKTB	1550	CMCF	910	CMJF	1300	CMQ	690
CFAC	960	CJAT	610	CKOC	1150	CMCG	1460	CMJH	1370	CMW	550
CFAR	1400	CJBR	900	CKOV	630	CMCH	1290	CMJI	1440	CMX	1010
CFCF	600	CJCA	930	CKPC	1380	CMCJ	1580	CMJK	620	CMZ	630
CFCH	600	CJCB	1270	CKPR	580	CMCK	980	CMJL	920	FQN	609
CFCN	1010	CJCJ	1230	CKRN	1400	CMCM	1060	CMJM	1270	HHK	1080
CFCO	630	CJCS	1240	CKSO	790	CMCO	1230	CMJN	740	HHW	1230
CFCY	630	CJGX	1460	CKTB	1230	CMCQ	1420	CMJO	1470	HIN	1090
CFGP	1340	CJIC	1490	CKUA	580	CMCR	1580	CMJU	1580	HIX	950
CFJC	910	CJKL	560	CKVD	1230	CMCU	1190	CMJW	1400	HIZ	1350
CFLC	1450	CJLS	1340	CKWX	980	CMCW	1230	CMK	740	HISQ	1470
CFNB	550	CJMH	1490	CKX	1150	CMCX	1290	CMKC	1250	HJAA	1330
CFOS	1400	CJOC	1400	CKY	990	CMCY	590	CMKD	1290	HJAE	1240
CFPL	1570	CJOR	600	CMAB	1450	CMGE	1470	CMKE	1320	HJAH	1080
CFPR	1240	CJRC	630	CMAC	1370	CMGF	1240	CMKF	1490	HJAI	1370
CFQC	600	CJRM	980	CMAN	1300	CMGH	1440	CMKG	1050	HJAK	1310
CFRB	860	CJVI	1480	CMAP	1410	CMGN	1310	CMKH	1130	HJAM	1210
CFRC	1490	CKAC	730	CMAX	830	CMHA	1280	CMKM	560	HJAN	1190
CFRN	1260	CKBI	900	CMBC	790	CMHB	1410	CMKN	930	HJAR	1400
CHAB	1220	CKCA	1450	CMBD	1420	CMHD	1560	CMKO	1220	HJAT	1275
CHCK	1340	CKCH	1240	CMBF	1260	CMHI	570	CMKQ	1460	HJBC	1270
CHEX	1430	CKCK	620	CMBG	1330	CMHJ	1350	CMKR	1390	HJBE	1460
CHGB	1230	CKCL	580	CMBH	1540	CMHK	1380	CMKS	900	HJBJ	1140

BROADCASTING STATIONS BY CALL LETTERS

HJCB	1105	HJFI	1540	KDAL	1490	KFEL	950	KFXM	1240	KGNC	1440
HJCC	870	HJFL	1440	KDAL	610	KFEQ	680	KFYO	1340	KGNF	1460
HJCE	1220	HJFX	600	KDB	1490	KFFA	1490	KFYR	550	KGNO	1370
HJCG	1060	HJGK	1280	KDFN	1470	KFGQ	1260	KGA	1510	KGO	810
HJCI	810	HJHA	1350	KDKA	1020	KFH	1330	KGB	1360	KGU	760
HJCJ	1380	HOK	640	KDLR	1240	KFI	640	KGBS	1240	KGVO	1290
HJCK	1290	HRN	1450	KDNT	1450	KFIO	1230	KGBU	930	KGW	620
HJCM	970	KABC	1450	KDON	1240	KFIZ	1450	KGBX	1260	KGY	1240
HJCO	1160	KABR	1420	KDRO	1490	KFJB	1230	KGCU	1270	KHAS	1230
HJCR	1200	KADA	1230	KDTH	1370	KFJI	1240	KGCX	1480	KHBC	1230
HJCS	920	KALB	1240	KDYL	1320	KFJM	1440	KGDE	1230	KHBG	1240
HJCU	720	KALE	1330	KECA	790	KFJZ	1270	KGDM	1130	KHJ	930
HJ CZ	1040	KAND	1340	KEEW	1490	KFKA	910	KGEK	1230	KHMO	1340
HJDC	1350	KANS	1240	KELA	1470	KFKU	1250	KGER	1390	KHQ	590
HJDK	1250	KARK	920	KELD	1400	KFMB	1450	KGEZ	1340	KHSL	1290
HJDL	1480	KARM	1430	KELO	1230	KFNF	920	KGFF	1450	KHUB	1340
HJDM	1520	KASA	1240	KENO	1400	KFOR	1240	KGFJ	1230	KICA	1240
HJDQ	1320	KAST	1230	KERN	1410	KFOX	1280	KGFL	1400	KID	1350
HJDR	1380	KATE	1450	KEUB	1450	KFPL	1340	KGFW	1340	KIDO	1380
HJDT	1150	KA WM	1490	KEVE	1460	KFPW	1400	KGFX	630	KIDW	1450
HJDU	1490	KBIX	1490	KEVR	1090	KFPY	920	KGGF	690	KIEM	1480
HJEB	1150	KBIZ	1240	KEX	1190	KFQD	790	KGGM	1260	KIEV	870
HJEC	1300	KBKR	1490	KEYS	1490	KFRC	610	KGHF	1350	KILO	1440
HJEE	1090	KBND	1340	KFAB	780	KFRO	1370	KGHI	1230	KINY	1460
HJEF	1360	KBPS	1450	KFAC	1330	KFRU	1400	KGHL	790	KIRO	710
HJEG	1450	KBST	1490	KFAM	1450	KFSD	600	KGIR	1370	KIT	1280
HJEL	1410	KBTM	1230	KFAR	610	KFSG	1150	KGIW	1450	KITE	1590
HJEK	1430	KBUR	1490	KFBB	1310	KFUN	1450	KGKB	1490	KIUL	1240
HJEL	1260	KBWD	1380	KFBC	1450	KFUO	850	KGKL	1400	KIUN	1400
HJEM	1510	KCKN	1340	KFBI	1070	KFVD	1020	KGKO	570	KIUP	1400
HJFD	1390	KCMC	1450	KFBK	1530	KFVS	1400	KGKY	1490	KJBS	1100
HJFE	1470	KCMO	1480	KFDA	1230	KFWB	980	KGLO	1300	KJR	1000
HJFF	1350	KCRC	1390	KFDM	560	KFXD	1230	KGLU	1450	KLBM	1450
		KCRJ	1340	KFDY	790	KFXJ	1230	KGMB	590	KLCN	1320

BROADCASTING STATIONS BY CALL LETTERS

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KLO 1430	KOIN 970	KRBA 1340	KSLM 1390	KUTA 570	KWKW 1430	TIRCC 1200	WATR 1320	WBRK 1340	WCLS 1340	WDSM 1230	WFRB 1300
KLPH 1390	KOKO 1400	KRBC 1450	KSO 1460	KVAK 1450	KWLC 1240	T14NRH 725	WATW 1400	WBRW 1340	WCMJ 1340	WDSU 1280	WFDF 910
KLRA 1010	KOL 1300	KRBM 1450	K500 1140	KVAN 910	KWLK 1400	VAS 685	WAVE 970	WBRY 1590	WCNC 1400	WDWS 1400	WFEA 1370
KLS 1310	KOMA 1520	KRE 1400	KSRO 1350	KVCV 1230	KWLM 1340	VOGY 840	WAWZ 1380	WBT 1110	WCNW 1600	WDZ 1050	WFN 1330
KLUF 1400	KOME 1340	KRGY 1290	K5TP 1500	KVEC 1230	KWNO 1230	VONF 640	WAYX 1230	WBTA 1490	WCOA 1370	WEAF 660	WFHR 1340
KLX 910	KOMO 950	KRIC 1450	KSUB 1340	KVFD 1400	KWOC 1340	VOWR 700	WAYS 610	WBTH 1400	WCOC 910	WEAN 790	WFIG 1340
KLZ 560	KONB 1490	KRIS 1360	KSUN 1230	KVGB 1400	KWOS 1240	WAAB 1440	WAZL 1450	WBTM 1400	WCOL 1230	WEAU 790	WFIL 560
KMA 960	KONO 1400	KRIF 1340	K5WO 1150	KVI 570	KWRC 1240	WAAF 950	WBAA 920	WBYN 1430	WCOP 1150	WEBC 1320	WFLA 940
KMAC 1240	KOOS 1230	KRKD 1150	KTAR 620	KVIC 1340	KWSC 1250	WAAT 970	WBAB 1490	WBZ 1030	WCOS 1400	WEBQ 1240	WFMD 930
KMBC 980	KORE 1450	KRKO 1400	KTBC 1150	KVNU 1230	KWTO 560	WABC 880	WBAL 770	WBZA 1030	WCOU 1240	WEBR 1340	WFMJ 1450
KMED 1440	KORN 1400	KRLC 1400	KTBI 1490	KVOA 1290	KWYO 1400	WABI 1230	WBAL 1090	WCAD 1250	WCOV 1240	WEDC 1240	WFNC 1450
KMJ 580	KOTN 1490	KRLD 1080	KTBS 1480	KVOD 630	KXA 770	WABY 1400	WBAP 820	WCAE 1250	WCPO 1230	WEED 1450	WFOR 1400
KMLB 1230	KOVC 1490	KRLH 1230	KTEM 1400	KVOE 1490	KXL 1450	WACO 1450	WBAX 1240	WCAL 770	WCRS 1450	WEEI 590	WFOY 1240
KMMJ 750	KOVO 1240	KRMC 1400	KTFI 1270	KVOL 1340	KXO 1490	WADC 1350	WBBB 920	WCAM 1310	WCRW 1240	WEEU 850	WFPG 1450
KMO 1360	KOWH 660	KRMD 1340	KTHS 1090	KVOO 1170	KXOK 630	WAGA 590	WBBL 1240	WCAO 600	WCSC 1390	WEIM 1340	WFTC 1230
KMOX 1120	KOY 550	KRMR 1490	KTKC 940	KVOR 1300	KXOX 1240	WAGE 620	WBBM 780	WCAP 1310	WCSE 970	WELI 960	WFTL 1400
KMPC 710	KPAB 1490	KRMT 1350	KTMS 1250	KVOS 1230	KXRO 1340	WAGF 1400	WBBR 1330	WCAR 1130	WDAE 1250	WELL 1400	WFTM 1240
KMTR 570	KPAC 1250	KROC 1340	KTOH 1490	KVOX 1340	KXYZ 1470	WAGM 1450	WBBZ 1230	WCAT 1230	WDAF 610	WEMP 1340	WFVA 1290
KMYC 1450	KPAS 1110	KROD 600	KTKO 1400	KVRS 1400	KYA 1260	WAIM 1230	WBCM 1440	WCAU 1210	WDAK 1340	WENR 890	WGAA 1450
KMYR 1340	KPDN 1340	KROS 1340	KTPN 1430	KVSF 1340	KYAN 1400	WAIR 1340	WBEN 930	WCAX 1230	WDAN 1490	WENY 1230	WGAC 1240
KNEL 1490	KPFA 1240	KROW 960	KTRB 860	KVSO 1240	KYCA 1490	WAIT 820	WBHP 1230	WCAX 1080	WDAS 1400	WEOA 1400	WGAL 1490
KNET 1450	KPHO 1230	KROY 1240	KTRH 1320	KVWC 1490	KYOS 1080	WAJR 1230	WBTG 1470	WCBA 1470	WDAY 970	WERC 1490	WGAN 560
KNOW 1490	KPLC 1490	KRRV 910	KTRI 1450	KWAL 1450	KYSM 1230	WAKR 1590	WBIR 1240	WCBI 1400	WDBC 1490	WEST 1400	WGAR 1480
KNX 1070	KPLT 1490	KRSF 1150	KTSA 550	KWAT 1240	KYUM 1240	WALA 1410	WBLJ 1230	WCBM 1400	WDBJ 960	WESX 1230	WGAU 1340
KOA 850	KPMC 1600	KSAC 580	KTSM 1380	KWBW 1450	KYW 1060	WALB 1590	WBLK 1400	WCBS 1450	WDBO 580	WEVD 1330	WGBB 1240
KOAC 550	KPO 680	KSAL 1150	KTSW 1400	KWEW 1490	TGQ 1450	WAML 1340	WBML 1240	WCBT 1230	WDEF 1400	WEW 770	WGBF 1280
KOAM 810	KPOF 910	KSAM 1490	KTTS 1400	KWFC 1340	TGW 1520	WAOV 1450	WBNS 1460	WCCO 830	WDEL 1150	WEXL 1340	WGBG 980
KOB 1030	KPOW 1230	KSAN 1450	KTUC 1400	KWFT 620	TGI 1310	WAPI 1170	WBXN 1380	WCED 1230	WDEV 550	WFAA 820	WGBI 910
KOBH 1400	KPPC 1240	KSCJ 1360	KTUL 1430	KWGW 1230	TIEP 830	WAPO 1150	WBNY 1400	WCFL 1000	WDGY 1130	WFAS 1240	WGBR 1400
KOCA 1240	KPQ 560	KSD 550	KTW 1250	KWIL 1240	TIGH 690	WARM 1400	WBOC 1490	WCHS 580	WDLP 1230	WFBC 1330	WGCM 1240
KOCY 1340	KPRC 950	KSEI 930	KUIN 1340	KWJB 1240	TIGPH 605	WASH 1300	WBOW 1230	WCHV 1450	WDMJ 1340	WFBG 1340	WGES 1390
KODL 1230	KPRO 1440	K5FO 560	KUJ 1420	KWJJ 1080	TIGPH2 1225	WASK 1450	WBRB 1240	WCKY 1530	WDNC 1490	WFBL 1390	WGGA 1240
KOH 630	KQV 1410	KSKY 660	KUOA 1290	KWK 1380	TING 750	WATL 1400	WBRC 960	WCLE 610	WDOD 1310	WFBM 1260	WGH 1340
KOIL 1290	KQW 740	KSL 1160	KUSD 920	KWKH 1130	TIPG 625	WATN 1240	WBRE 1340	WCLO 1230	WDRC 1360	WFCL 1420	WGIL 1400

BROADCASTING STATIONS BY CALL LETTERS

WGKY 1490	WHEB 750	WIL 1230	WJIM 1240	WKPA 1150	WMAQ 670
WGL 1450	WHEC 1460	WILL 580	WJJD 1160	WKPT 1400	WMAS 1450
WGN 720	WHFC 1450	WILM 1450	WJLB 1400	WKRC 550	WMAW 1230
WGNB 1450	WHIO 1290	WINC 1400	WJLS 1240	WKRO 1490	WMAZ 940
WGNV 1220	WHIP 1520	WIND 560	WJMA 1340	WKST 1280	WMBD 1470
WGOV 1450	WHIS 1440	WING 1410	WJMC 1240	WKWK 1400	WMBG 1380
WGPC 1450	WHIZ 1240	WINN 1240	WJMS 1450	WKY 930	WMBH 1450
WGR 550	WHJB 620	WINS 1000	WJNO 1230	WKZO 590	WMBI 1110
WGRC 1400	WHK 1420	WINX 1340	WJOB 1230	WLAC 1510	WMOB 1340
WGRM 1240	WHKC 640	WIOD 610	WJPF 1340	WLAG 1240	WMBR 1400
WGST 920	WHKY 1400	WIP 610	WJPR 1340	WLAJ 1340	WMB 590
WGTC 1490	WHLB 1400	WIRE 1430	WJR 760	WLAN 1450	WMC 790
WGTM 1340	WHLD 1290	WIS 560	WJRD 1230	WLAP 1450	WMCA 570
WGY 810	WHLN 1450	WISE 1230	WJSV 1500	WLAV 1340	WMEX 1510
WHA 970	WHLS 1450	WISH 1310	WJTN 1240	WLAW 680	WMFD 1400
WHA1 1240	WHMA 1450	WISN 1150	WJW 1240	WLB 770	WMFF 1340
WHA2 980	WHN 1050	WISR 680	WJZ 770	WLBC 1340	WMFG 1240
WHAM 1180	WHO 1040	WITH 1230	WJZM 1400	WLBJ 1340	WMFJ 1450
WHAS 840	WHOM 1480	WIZE 1340	WKAQ 620	WLBL 930	WMFR 1230
WHAT 1340	WHOP 1230	WJAC 1400	WKAR 870	WLBZ 620	WMGA 1400
WHAZ 1330	WHP 1460	WJAG 1090	WKAT 1360	WLEU 1450	WMIN 1400
WHB 880	WHUB 1400	WJAR 920	WKBB 1490	WLLH 1400	WMIS 1490
WHBB 1490	WHYN 1400	WJAS 1320	WKBH 1410	WLNH 1340	WMJM 1490
WHBC 1230	WIAC 580	WJAX 930	WKBN 570	WLOF 1230	WMMN 920
WHBF 1270	WIBA 1310	WJBC 1230	WKBO 1230	WLOG 1230	WMOB 1230
WHBI 1280	WIBC 1070	WJBK 1490	WKBY 1490	WLOK 1240	WMOG 1490
WHBL 1330	WIBG 990	WJBO 1150	WKBW 1520	WL0L 1330	WMPC 1230
WHBQ 1400	WIBM 1450	WJBW 1230	WKBZ 1490	WLPM 1450	WMPS 1460
WHBU 1240	WIBU 1240	WJBY 1240	WKEU 1450	WLS 890	WMRC 1490
WHBY 1230	WIBW 580	WJDX 1300	WKIP 1450	WLVA 1230	WMRF 1490
WHCU 870	WIBX 1230	WJEJ 1240	WKMO 1400	WLW 700	WMRN 1490
WHDF 1400	WICA 970	WJHL 910	WKNE 1290	WMAL 630	WMRO 1280
WHDH 850	WICC 600	WJHO 1400	WKNY 1490	WMAM 570	WMSD 1450
WHDL 1450	WIGM 1490	WJHP 1320	WKOK 1240	WMAN 1400	WMISL 1400
WMT 600	WOSH 1490	WRLC 1450	WSOY 1340	WTOC 1290	XEAZ 1390
WMUR 610	WOSU 820	WRNL 910	WSPA 950	WTOL 1230	XEB 1220
WMAA 1450	WOV 1130	WR0K 1440	WSPB 1450	WTRC 1340	XEBA 1270
WNAB 1450	WOW 590	WR0L 620	WIPD 1370	WTRY 980	XEBG 1550
WNAC 1260	WOWO 1190	WRR 1310	WSPR 1270	WTSP 1380	XEBH 920
WNAD 640	WPAB 1370	WRRN 1400	WSRR 1400	WTTM 920	XEBI 1360
WNAX 570	WPAR 1450	WRUF 850	WSTP 1490	WWDG 1450	XEBJ 1450
WNBC 1410	WPAT 930	WRVA 1140	WSTV 1340	WWJ 950	XEBK 1340
WNBF 1290	WPAX 1240	WSAI 1360	WSUI 910	WWL 870	XEBL 1260
WNBH 1340	WPAY 1400	WSAJ 1340	WSUN 620	WWNC 570	XEBM 1260
WNBZ 1320	WPN 950	WSAM 1230	WSVA 550	WWNY 1300	XEBO 1330
WNEL 1320	WPAD 1450	WSAN 1470	WSVS 1400	WWPG 1340	XEBP 1260
WNEW 1280	WPER 1340	WSAR 1480	WSYB 1390	WWRL 1600	XEBQ 1450
WNLC 1490	WPIC 790	WSAU 1400	WSYR 570	WWSR 1420	XEBS 1410
WNOE 1450	WPID 1240	WSAV 1340	WTAD 930	WWSW 1490	XEBU 1260
WNOX 990	WPR 790	WSAY 1240	WTAG 580	WWVA 1170	XEBW 1280
WNYC 830	WPRO 630	WSAZ 930	WTAL 1340	WXYZ 1270	XEBX 610
WOAI 1200	WPRP 1520	WSB 750	WTAM 1100	W9XC 1040	XEBZ 660
WOC 1420	WPTF 680	WSBC 1240	WTAQ 1360	XEA 1370	XEC 1310
WOCB 1240	WQAM 560	WSBT 960	WTAR 790	XEAA 1340	XECA 680
WOI 640	WQAN 910	WSFA 1440	WTAW 1150	XEAB 1600	XECD 1170
WOKO 1460	WQBC 1390	WSGN 1340	WTAX 1240	XEAC 690	XECF 1330
WOL 1260	WQXR 1560	WSIX 980	WTBO 820	XEAD 1310	XECH 1490
WOLF 1490	WRAC 1400	WSJS 600	WTCM 1400	XEAG 1280	XECL 990
WOLS 1230	WRAL 1240	WSKB 1230	WTCN 1280	XEAI 1320	XECW 1340
WOMI 1490	WRAP 1340	WSLB 1400	WTEL 1340	XEAJ 1400	XECZ 1430
WOMT 1240	WRBL 1230	WSLI 1450	WTHT 1230	XEAM 1400	XED 680
WOOD 1300	WRC 980	WSLS 1490	WTIC 1080	XEAO 910	XEDA 1290
WOPI 1490	WRDO 1400	WSM 650	WTJS 1390	XEAP 1290	XEDE 1400
WOR 710	WRDW 1480	WSMB 1350	WTMA 1250	XEAQ 1430	XEDF 1260
WORC 1310	WREC 600	WSNJ 1240	WTMC 1490	XEAT 1250	XEDH 1340
WORD 1400	WREN 1250	WSOC 1240	WTMJ 620	XEAU 1470	XEDJ 1450
WORK 1350	WRGA 1490	WSON 860	WTMY 1490	XEAW 1570	XEDK 1250
WORL 950	WRJN 1400	WSOO 1230	WTNJ 1310	XEAX 1270	XEDN 1270

BROADCASTING STATIONS BY CALL LETTERS

XEDP	730	XEHF	1370	XELZ	1440	XEP	1300	XETM	1350	YSS	640
XEDR	1490	XEHK	960	XEM	1390	XEPF	1400	XETR	1490	YV1RA	1300
XEDS	1420	XEHL	1370	XEMA	1340	XEPH	590	XETU	1460	YV1RC	1400
XEDW	1260	XEHR	1090	XEMC	1590	XEPP	1450	XEXX	860	YV1RD	1153
XEE	1280	XEI	1400	XEME	1270	XEQ	940	XETX	1400	YV1RF	1120
XEF	1420	XEJ	970	XEMG	1310	XEQK	1350	XETZ	980	YV1RK	1250
XEFB	630	XEJA	1400	XEMH	1400	XEQN	1010	XEU	960	YV1RW	1370
XEFC	1340	XEJB	1010	XEMJ	920	XERB	1090	XEW	900	YV2RB	980
XEFE	960	XEJK	1340	XEMO	860	XERC	790	XEWE	1400	YV3RA	1270
XEFI	1440	XEJP	1150	XEMR	1370	XERH	1500	XEWG	1460	YV3RE	1475
XEFK	1450	XEJR	1490	XEMU	580	XERJ	610	XEX	1280	YV4RA	1350
XEFM	1270	XEJX	1450	XEMX	1380	XERK	1450	XEXE	1450	YV4RD	1153
XEFO	1110	XEK	970	XEN	690	XERL	1280	XEXF	1490	YV4RE	1400
XEFQ	980	XEKJ	1400	XENJ	1430	XERT	1270	XEXJ	1280	YV4RL	1430
XEFU	550	XEKN	590	XENK	620	XERY	1410	XEXM	1400	YV4RR	1490
XEKN	590	XEKS	1330	XENT	1140	XERZ	1240	XEXP	1450	YV5RA	960
XEFV	1270	XEL	1260	XEG	970	XES	1300	XEXQ	1400	YV5RB	790
XEPW	810	XELA	830	XEOB	1490	XESA	1360	XEXS	1340	YV5RG	1010
XEFZ	1340	XELC	1410	XEOF	560	XESF	600	XEXT	980	YV5RI	590
XEG	1050	XELF	1380	XEOH	600	XESJ	1420	XEXU	1490	YV5RL	1160
XEGC	1450	XELH	1460	XEOK	1430	XESM	1470	XET	990	YV5RQ	882
XEGF	1300	XELJ	790	XEON	1140	XEST	1060	XEY	980	YV5RZ	1050
XEGL	1270	XELK	1280	XEON	1420	XESY	1320	KEYZ	1480	YV6RA	1400
XEGM	950	XELO	1110	XEOR	580	XETA	1370	XEZ	600	YV6RE	1080
XEGT	1490	XELQ	1270	XEOT	960	XETB	1350	YNOW	1230	ZNS	790
XEH	1250	XELW	1170	XEOX	1280	XETF	1250	YNPH	660		
XEHB	1310	XELY	1490	XEOY	1000	XETL	1390	YVKA	630		



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RADIO PRINTERS, Dept. 3925
 Mendota, Illinois

KFRU 680 Kilocycles
VERIFICATION OF A JUNIOR COLLEGE FOR WOMEN
 COLUMBIA, MO.
 11/24/31
 DAILY SCHEDULE
 Studio Farm Program. 6:30 a.m.
 Mo. College of Agriculture Talk. 6:40 a.m.
 Sunshine Boys. 7:00 a.m.
 Housewife and Health Talks. 8:00 a.m.
 Music—Studio. 8:15 a.m.
 Music Appreciation Hour. 8:30 a.m.
 Convocation Talk. 8:45 a.m.

475.9 Meters
 12/3/31
 EVENING PROGRAMS
 Tuesday—7:00-8:00 p.m. Jim's Old Time String Band. (7) 6
 Wednesday—Midnight Program—12:30-2:30. Hatch Bros. (2) 6
 Thursday—7:00-8:00 p.m. Musical Program by Stephens College Faculty Members. (2) 6
 Cate

WCBX
 COLUMBIA BROADCASTING SYSTEM, INC.
 485 MADISON AVENUE, NEW YORK 22, N. Y.
 U. S. A.

1. 6090 Kc., 49.5 M.
 2. 6170 Kc., 48.6 M.
 3. 7820 Kc., 38.3 M.
 4. 9490 Kc., 31.6 M.
 5. 9590 Kc., 31.3 M.
 6. 9650 Kc., 31.0 M.

7. 11145 Kc., 26.9 M.
 8. 11830 Kc., 25.3 M.
 9. 11870 Kc., 25.3 M.
 10. 15190 Kc., 19.7 M.
 11. 15270 Kc., 19.6 M.
 12. 17830 Kc., 16.8 M.

Thank you for your recent communication. This will verify your reception of Columbia's

WOC
 RADIO STATION
 5000 WATTS
 OWNED and OPERATED BY WODAMM CORP.
 STUDIOS AT 730 FIFTH AVE., NEW YORK 19, N. Y.
 TRANSMITTER AT CARLSTADT, NEW JERSEY

WCD A
WCB N

W O V
 RADIO STATION
 5000 WATTS
 OWNED and OPERATED BY WODAMM CORP.
 STUDIOS AT 730 FIFTH AVE., NEW YORK 19, N. Y.
 TRANSMITTER AT CARLSTADT, NEW JERSEY

To _____ Of N.Y., N.Y.
 This is to verify your reception of WOV on _____ Dec. 9, 1937

THANK YOU!

The Management, Staff and Artists of
RADIO STATION WCB A

Thank You for your recent communication and wish to express their sincere appreciation of your kind comments. We are always glad to hear from you and hope you will continue to be a WCB A Booster.

RECEPTION VERIFIED
J. H. MUSSELMAN,
 MANAGER

BROADCASTING STATIONS BY LOCATIONS

TEXAS	MIDLAND	RUTLAND	PULLMAN	WISCONSIN	CANADA	SUMMERSIDE	ST. ANNE DE LA PERRIERE
Ableene KBBC KNEI	KRLH KNEI	WSYB	KWSC	WBYB	ALBERTA	CHGS	CHGB
Amario KFCN KGD	KPDN	WWSR	KEVR	WATW	QUEBEC		Sherbrooke
Paris KPLT	WATERBURY	WDEV	KIRO	WATW			CHLT
Pecos KLN	VIRGINIA		KJRO	WEAU			Three Rivers
Beaumont KFD KRIC	Charlottesville WCHV		KJRO	WEAU			CHLN
Big Spring KBS	Covington WJMA		KJRO	WEAU			Val d'Or
Brady KNEI	Danville WBTM		KJRO	WEAU			CKVD
Brownsville KEEW	Fredericksburg WFVA		KJRO	WEAU			
Brownwood KBWD	Harrisonburg WSVA		KJRO	WEAU			
College Station WTAW	Lynchburg WLV		KJRO	WEAU			
Corpus Christi KEYS	Martinsville WMA		KJRO	WEAU			
KRIS	Newport News WGH		KJRO	WEAU			
Corcoran KAND	Norfolk WTAR		KJRO	WEAU			
Dallas KSD	Petersburg WPID		KJRO	WEAU			
KSAV	Richmond WBFL		KJRO	WEAU			
WFAA	Roanoke WDBJ		KJRO	WEAU			
WRK	Suffolk WLP		KJRO	WEAU			
Denton KDNT	Winchester WINC		KJRO	WEAU			
Dublin KFPL	Washing- ton		KJRO	WEAU			
El Paso KROD	Aberdeen KXRO		KJRO	WEAU			
KTSM	Bellingham KVOS		KJRO	WEAU			
Fort Worth KFIZ	Centralia KELA		KJRO	WEAU			
KGKO	Everett KEVE		KJRO	WEAU			
WBAP	Keene KRKO		KJRO	WEAU			
Galveston KLVF	Longview KDL		KJRO	WEAU			
Hastings KGBS	Kuta KUTA		KJRO	WEAU			
Houston KPRC	Longview KDL		KJRO	WEAU			
KTRH	Longview KDL		KJRO	WEAU			
KXYZ	Longview KDL		KJRO	WEAU			
Huntsville KSA	Longview KDL		KJRO	WEAU			
KSAM	Longview KDL		KJRO	WEAU			
KOCA	Longview KDL		KJRO	WEAU			
Laredo KPAB	Longview KDL		KJRO	WEAU			
Longview KFRO	Longview KDL		KJRO	WEAU			
Lubbock KFYO	Longview KDL		KJRO	WEAU			
Lufkin KRBA	Longview KDL		KJRO	WEAU			

MEXICO

AGUAS-CALIENTES
 Saltillo XEKS 1330
 XEJI 1420
 XEXU 1490

Aguascalientes
 Torreon XEBP 1260
 XEBQ 1450
 XEDE 920
 XEJZ 600
 XEOH 1350
 XETB 1350

BAJA CALIFORNIA
 Ensenada XEPP 1400
 La Paz XEAB 1600
 Mexicali XEPX 1430
 XEAO 910
 XEAL 990

ROSA RITO
 Beach XERB 1090
 Tijuana XEAC 690
 XEAU 1470
 XEBG 1550
 XEC 1310
 XEGM 950
 XELO 1110
 XFMO 860
 XEON 1420
 XERT 1190

CAMPECHE
 Campeche XEA 1370

CHIAPAS
 Gutierrez XETX 1280
 Tepachula XETA 1450

CHIHUAHUA
 Camargo XEDN 1270
 Casas Grandes XETX 1400
 Chihuahua XEBU 1260
 XEBW 1280
 XEFI 1440
 XEM 1390
 XEF 1420
 XEF 1270
 XEF 1300
 XEP 800
 XEWG 1360
 Parral XEAT 1250
 XEJR 1400

COAHUILA
 Piedras Negras XEMJ 920
 XEMU 580
 Sabinas XEBX 610

DURANGO
 Durango XEE 1280
 Guadalupe XEMG 1310
 XEOB 1490

GUANAJUATO
 Irapuato XEBO 1330
 XEWE 1420
 Leon XEFM 1270
 XERZ 1240

GUERRERO
 Acapulco XEKJ 1400

JALISCO
 Guadalajara XEAD 1310
 XED 680
 XEDK 1250
 XEGT 1490
 XEHL 960
 XEJB 1370
 XELW 1010
 XEXN 1400

Guzman
 Tepatlitan XEFA 1270
 XETJ 1150

MEXICO
 Texcoco XEXE 1450
 Toluca XECH 1490
 XEXS 1340

MICHOACAN
 Morelia XELO 1270
 XELQ 1270
 XEI 1400
 XESF 600

Uruapan
 Zamora XEFU 550
 XEGC 1450

NAYARIT
 Tepic XERK 1450
 XEXI 980

NUevo LEON
 XEAW 1570
 XEPB 630
 XEPI 1050
 XEH 1420
 XEMR 1370
 XEPT 900
 XEH 1420

OAXACA
 Oaxaca XEAX 1270

PUEBLA
 Puebla XEFD 1170
 XEHR 1090
 Tepatlitan XETZ 1360

QUERETARO
 XEJX 1450

SAN LUIS POTOSI
 San Luis XEBM 1260
 XECZ 1430
 XEXO 1400

Potosi
 SINALOIA
 Culiacan XEFL 1260
 XEFG 1300
 XESA 1360

Los Mochis
 XECP 1330
 XEOX 1280

Mazatlan
 XEDS 1420
 XERJ 610

SONORA
 Agua Prieta XERY 1410

Cananea
 XEFO 980
 XESY 1320

Guaymas
 XEDR 1490

Hermosillo
 XEBH 920
 XEHQ 590
 XEDL 1250
 XEOP 960

Magdalena
 XEDJ 1450

Naco
 XETM 1350

Navojoa
 XEAJ 1400
 XEGL 1270
 XENJ 1430

Nogales
 XEHP 1370
 XEON 1010
 XEY 500

Obregon
 XEAP 1290

TAMAULIPAS
 Madero XETR 1490

Matamoros
 XEAM 1400
 XEO 970
 XEXP 1450

Nuevo Laredo
 XEBK 1320
 XEDF 790

VERACRUZ
 Coahuila XEFZ 1340
 XEY 1450

Orizaba
 XETH 580
 XETI 1370
 XEPP 1450

Tuxpan
 XEHL 1090
 XEH 950
 XEZ 1350
 XEU 960
 XEXF 1470

VERACRUZ
 Coahuila XEFZ 1340
 XEY 1450

Costas-coahuila
 XEFZ 1340

Cordoba
 XEY 1280
 XEY 1340

Jalapa
 XEJJA 1400

Minatitlan
 XEDW 1260

Oriaba
 XEY 580
 XETI 1370
 XEPP 1450

Tuxpan
 XEHL 1090
 XEH 950
 XEZ 1350
 XEU 960
 XEXF 1470

YUCATAN
 Merida XEFC 1340
 XEFK 1450
 XEME 1270
 XEMQ 1240
 XEZ 600

Progreso
 XEOK 1430

ZACATECAS
 Zacatecas XEMO 1340
 XELA 1340
 XELK 1280

SOUTH AMERICA

COLOMBIA
 Armenia HJFI 1540
 Barranquilla HJAA 1330
 HJAH 1080
 HJAI 1370
 HJAK 1310
 HJAN 1190
 HJAT 1275

Bogota
 HJCB 1105
 HJCC 870
 HJCE 1220
 HJCG 1060
 HJCI 810
 HJCK 1380
 HJCM 1290
 HJCO 970
 HJCR 1160
 HJCS 920
 HJCU 720
 HJ CZ 1040

Medellin
 HJDC 1350
 HJDK 1250
 HJDL 1480
 HJDM 1520
 HJDO 1380
 HJDR 1380
 HJDU 1490

Monteria
 HJAM 1210

Bucaramanga
 HJGE 1130
 HJGK 1280

Buga
 HJEL 1410

Calli
 HJEB 1150
 HJEC 1300
 HJEE 1090
 HJEL 1260

Cartagena
 HJAE 1240
 HJAR 1400

Palmyra
 HJEM 1510

Papayan
 HJEG 1450

Pereira
 HJFE 1470
 HJFF 1350

Santa Marta
 HJBJ 1140

Tulua
 HJEK 1430

VENEZUELA
 Barcelona YV6RE 1080

Barquisimeto
 YV3RA 1270
 YV3RE 1475

Bolivar
 YV6RA 1400

Caracas
 YV5RA 960
 YV5RB 790
 YV5RG 1010
 YV5RH 720
 YV5RI 590
 YV5RL 1160
 YV5RQ 882

Coro
 YV1RW 1370

La Guaira
 YV3UZ 1050

Maracaibo
 YV1RA 1300
 YV1RC 1409
 YV1RD 1153
 YV1RF 1120
 YV1RK 1250

Maracay
 YVARD 1153
 YVARL 1430

Puerto Cabello
 YVARR 1490

San Cristobal
 YV2RB 980

Valencia
 YV4RA 1350
 YV4RE 1400

NORTH AMERICA

BAHAMAS
 Nassau ZNS 790

COSTA RICA
 Alajuela XECA 575
 Cartago XEFW 735
 Heredia XEAL 1460
 Puntarenas XEPR 710
 San Jose XEJ 835

GUATEMALA
 Guatemala City TGW 1520
 TGX 1400
 TGI 1310

Quezaltenango
 TGO 1450

HAITI
 Port-au-Prince HHK 1080
 HHK 1080
 HHW 1230

HONDURAS
 Tegucigalpa HRN 1450

MARTINI-QUE
 Fort de France 1500

MIQUELON
 St. Pierre FQN 609

NEW FOUNDLAND
 St. John's VOAR 25
 VOCM 1005
 VONF 640
 VOWR 700

NICARAGUA
 Managua YNLG 1000
 YNOW 1230
 YNPH 660

PANAMA
 Colon HOK 640
 Panama City YSS 638
 YSP 780

BAHAMAS
 Nassau ZNS 790

COSTA RICA
 Alajuela XECA 575
 Cartago XEFW 735
 Heredia XEAL 1460
 Puntarenas XEPR 710
 San Jose XEJ 835

GUATEMALA
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 TGX 1400
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SOUTH AMERICA

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 Barranquilla HJAA 1330
 HJAH 1080
 HJAI 1370
 HJAK 1310
 HJAN 1190
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Bogota
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Maracay
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Puerto Cabello
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San Cristobal
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Valencia
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 YVARD 1153
 YVARL 1430

Puerto Cabello
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 YV4RA 1350
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TRIUMPH

No. 1A RADIO RECEIVING SET

This highly sensitive receiver tube set combines high efficiency and scientific construction with greatest simplicity. This set embodies the famous "Triumph" combination Coupler-Meter which accomplishes the result of two instruments in one—also a 43 plate condenser of superior quality—a coupled dial furnished with 1000 scale units. The set is housed in a beautiful cabinet of solid mahogany or oak which will grace the finest surroundings.

List price \$30.00

Distributors wanted in every town.

UNIVERSITY PLACE NEW YORK

SIGNAL RADIO & ELECTRIC CORP.,

Write us for our interesting proposition.



South American Stations

BY COUNTRIES AND FREQUENCIES

Central American as well as Colombian and Venezuelan stations are included in our regular index.

Data is given in order following: Frequency, call, power, slogan (when known), city, and address (if known). Symbols: * means station has s.w. relay, % means station has b.c.b. relay, @ means station under construction.

Argentina—Semi-Official

BROADCAST BAND

580 LV12 5 kw. Radio Aconquija, Tucuman
590 LS10 6 kw. Radio Callao, Buenos Aires
620 LV3 25 kw. Radio Cordoba, Cordoba, San Martin, 74
630 LS3 5 kw. Radio Ultra, Buenos Aires, Cordoba, 633
640L12 Rio Gallegos
670 LS4 7 kw. Radio Portena, Buenos Aires, Belgrano, 1841

680 LU4 Comodoro Rivadavia
690 LV4 1/2 kw. Radio San Rafael, Mendoza
710 LS1 5 kw. Radio Municipal, Buenos Aires, Teatro, Colon
730 LV1 5 kw. Radio Graffigna, San Juan, Mitre, 1115
750 LRA 10 kw. Radio del Estado, Buenos Aires
780 LTI 20 kw. Radio Litoral, Rosario, Cordoba, 1169
790 LR10 19.4 kw. Radio Cultura, Buenos Aires, Florida, 570
820 LV7 1 kw. Tucuman, Mendoza, 437
830 LR5 29 kw. Radio Excelstor, Buenos Aires, Santa Fe, 2043
840 LT8 1/2 kw. Radio Rosario, Rosario, Sarmiento, 958
870 LR6 26 kw. Radio Mitre, Buenos Aires, Santa Fe, 2043
900 LC2 2 kw. Radio Bahia Blanca, Bahia Blanca
910 LR2 12 kw. Radio Argentina, Buenos Aires, Bolivar 1356
950 LR3 50 kw. Radio Belgrano, Buenos Aires, Belgrano, 1841
960 LV2 5 kw. Radio Central, Cordoba, San Lorenzo, 339
970 LV9 Salta
990 LR4 16 kw. Radio Splendid, Buenos Aires, Callao
1030 LR9 5 kw. Radio Fenix, Buenos Aires, Talcahuano, 1186
1070 LR1 30 kw. Radio El Mundo, Buenos Aires, Maipu, 555
1080 LT3 5 kw. Rosario, Puente Boca, 770
1110 LS5 5 kw. Radio Rivadavia, Buenos Aires, Callao, 1526
1120 LV5 6 kw. Radio Los Andes, San Juan, G. Acha, 362
1150 LR8 7 kw. Radio Paris, Buenos Aires, Cangallo, 860
1160 L15 5 kw. Radio Chaco, Resistencia, Av. 9 de Julio

Bolivia—Semi-Official

BROADCAST BAND

*1040 CP14 10 kw. Radio Illimani, La Paz, Casilla, 637
1150 CP10 120 w. Radio La Paz, Casilla, 911
*1150 SP32 1 kw. Radio Bolivia, La Paz, Casilla, 669
*1260 CP4 50 w. Radio La Noche, La Paz
*1390 CP3 5 kw. Radio Nacional, La Paz, Casilla, 596
1450 CP8 250 w. Radio America, La Paz

SHORTWAVE

6000 CP9 1 kw. Radio America, Oruro
6100 CP11 250 w. Oruro
%6110 CP2 5kw. Radio Nacional, La Paz, Casilla 596
6120 CP15 250 w. Radio El Condor, La Paz
6130 CP22 250 w. Radio Internacional, Cochamba
6135 CP30 250 w. Radio El Oriente, Santa Cruz
%6150 CP12 250 w. Radio Fides, La Paz, Casilla 283
%6200 CP5 1 kw. Radio Illimani, La Paz, Casilla 637
9500 CP1 230 w. Radio Cuhquisaca, Sucre
%9480 CP38 5 kw. Radio Nacional, La Paz, Casilla 596
9510 CP24 250 w. Radio Cultura, La Paz
%9520 CP6 1 kw. Radio Illimani, La Paz, Casilla 637
9550 CP23 250 w. Radio Libertad, La Paz
%9590 CP35 500 w. Radio Bolivia, La Paz, Casilla 669
9700 CP25 500 w. Radio El Norte, La Paz
15165 CP47.3 1 1/2 kw. Radio Tupiza, Tupiza, Casilla 13
%15300 CP 1 kw. Radio Illimani, La Paz, Casilla 637

Brazil—Official

BROADCAST BAND

580 PRC3 250 w. Pelotas, Rio Grande de Sul
580 PRC5 750 w. Santos, Sa Paulo
600 PRH2 23 kw. Porto Alegre, Rio Grande de Sul
620 PRH3 5 kw. Sao Paulo, Sao Paulo
640 PR16 kw. Aracaju, Sergipe
640 PRC6 500 w. Cruzeiro, Sao Paulo
640 PRF9 5 kw. Porto Alegre, Rio Grande de Sul
640 PRB8 230 w. Rio Preto, Sao Paulo
640 PRB8 450 w. Rio Preto, Sao Paulo
690 Grande de Sul
*720 GRA8 25 kw. Recife, Pernambuco
730 PRA7 500 w. Ribeirao Preto, Sao Paulo
740 PRA4 10 kw. Sao Salvador, Bahia
800 PRA2 25 kw. Rio de Janeiro, D. F.
820 PRD6 250 w. Piracicaba, Sao Paulo
840 PRH9 5 kw. Sao Paulo, Sao Paulo
860 PRA3 10 kw. Rio de Janeiro, D. F.
880 PR13 25 kw. Belo Horizonte, Minas Gerais
890 PRA6 10 kw. Sao Paulo, Sao Paulo
900 PRB7 5 kw. Rio de Janeiro, D. F.
940 PRF4 10 kw. Rio de Janeiro, D. F.
960 PRF3 5 kw. Sao Paulo, Sao Paulo
970 PR15 250 w. Presidente Prudente, Sao Paulo
970 PRD9 250 w. Sorocaba, Sao Paulo
*980 PRB8 25 kw. Rio de Janeiro, D. F.
1000 PRB9 25 kw. Sao Paulo, Sao Paulo
1010 PRG 250 w. Jau, Sao Paulo
1010 PRB3 500 w. Juiz de Fora, Minas Gerais
1060 PRD2 10 kw. Rio de Janeiro, D. F.
1080 PRD7 500 w. Sorocaba, Sao Paulo
1090 PR12 50 w. Marilia, Sao Paulo
1100 PRG9 25 kw. Sao Paulo, Sao Paulo
1110 PRH4 10 kw. Joao Pessoa, Paraiba
1130 PRH8 5 kw. Rio de Janeiro, Brazil
1160 PRH5 250 w. Pocos de Caldas, Minas Gerais
1170 PRC9 500 w. Campinas, Sao Paulo
1170 PRH7 Ribeirao Preto, Sao Paulo
1180 PRB3 10 kw. Rio de Janeiro, D. F.
1200 PRB6 10 kw. Sao Paulo, Sao Paulo
1210 PRG8 250 w. Berru, Sao Paulo
1240 PRA5 25 kw. Franca, Sao Paulo
1240 PRJ2 250 w. Ponta Grossa, Parana
1260 PRG4 250 w. Jaboticabal, Sao Paulo
1280 PRA5 5 kw. Sao Paulo, Sao Paulo
1280 PRG3 10 kw. Rio de Janeiro, D. F.
*1320 PRB4 5 kw. Sao Paulo, Sao Paulo
*1320 PRB9 2 kw. Fortaleza, Ceara
1320 PRD8 1 kw. Niteroi, Rio de Janeiro
1320 PRH4 500 w. Pelotas, Rio Grande de Sul
1330 PRC4 500 w. Blumenau, Santa Catarina
1330 PRF7 500 w. Campos, Rio de Janeiro
1340 PRH6 3 kw. Belo Horizonte, Minas Gerais
1350 PR19 100 w. Vitoria, Espírito Santo
1360 PRC8 5 kw. Rio de Janeiro, D. F.
1370 PRD4 500 w. Araraquara, Sao Paulo
1390 PRF5 500 w. Uberlândia, Minas Gerais
1400 PRD5 1 kw. Rio de Janeiro, D. F.
1410 PRB7 5 kw. Sao Paulo, Sao Paulo
1440 PRB2 20 kw. Rio de Janeiro, D. F.
1440 PRB5 5 kw. Curitiba, Parana
*1450 PRC5 2 kw. Belém, Para
1450 PRB4 1 kw. Santos, Sao Paulo
1460 PR18 100 w. Aracatuba, Sao Paulo
1460 PRF2 250 w. Rio Claro, Sao Paulo
1470 PRB6 1 kw. Niteroi, Rio de Janeiro
1470 PRJ4 500 w. Paranaíba, Piaui

1180 PRJ3 1 kw. Petropolis, Rio de Janeiro
1190 PRJ9 5 kw. Sao Luiz, Maranhao
1310 PR16 100 w. Sao Paulo
1310 PRC6 100 w. Uberlandia, Minas Gerais
1310 PR18 100 w. Barretos, Sao Paulo
1330 PRF8 100 w. Botucatu, Sao Paulo
1330 PRJ5 100 w. Limeira, Sao Paulo

SPECIAL STATIONS

1170 ZYA2 500 w. Corumbá, Mato Grosso
1510 ZYA4 100 w. Sao Sebastiao de Paraiso, Minas Gerais
1590 ZYA6 100 w. Sao Carlos, Sao Paulo
1630 ZYA5 100 w. Joinville, Santa Catarina

SHORTWAVE

%4865 PRC5 2 kw. Belem, Para
4895 PRF6 100 w. Manaus, Amazonas
6010 PRA8 5 kw. Recife, Pernambuco
6095 PRB3 25 kw. Sao Paulo, Paulo
6105 PRB9 5 kw. Fortaleza, Ceara
6105 PRF5 12 kw. Rio de Janeiro, D. F.
9500 PRF5 12 kw. Rio de Janeiro, D. F.
9505 PRF8 50 kw. Riode Janeiro, D. F.
9600 PRF5 12 kw. Rio de Janeiro, D. F.
10220 PRF5 12 kw. Rio de Janeiro, D. F.
11220 PRF8 50 kw. Rio de Janeiro, D. F.
11765 PRB3 25 kw. Sao Paulo, Sao Paulo
15165 PRB9 5 kw. Fortaleza, Ceara
15390 PRF5 12 kw. Rio de Janeiro, D. F.
17830 PRB8 50 kw. Rio de Janeiro, D. F.
NOTE—No slogans were available on Brazil stations.

CB103 440 w. Valparaiso. Universidad
 Temuco
 CB105 100 w. Radio Magallanes, Magallanes,
 Mexicana, 940
 CB106 1 kw. Radio Sud America, Santiago,
 Casilla 1346
 CB109 100 w. Radio Rancagua, Rancagua,
 Independencia, 483
 CB111 10 kw. Radio Los Castanos, Vina del
 Mar, Av. Los Castanos, 391
 CB112 100 w. Radio Austral, Magallanes,
 Moeuca, 1277
 CB113 1200 w. Radio Osorno, Osorno,
 Hecadano, 733
 CB114 100 w. Orullota, Subida Baron, 91
 CB115 1 kw. Magallanes, Casilla 447
 CB116 1 kw. Radio del Pacifico, Santiago,
 Casilla 359
 CB117 100 w. Radio Valparaiso, Valparaiso,
 Trati, 773
 CB118 100 w. Radio Zenith, Concepcion,
 Colo-Colo, 265
 CB119 1 kw. Radio Nacional, Santiago,
 O'Higgins, 1164
 CB120 1 kw. Diario La Union, Valparaiso,
 Edwards, 383
 CB121 250 w. Radio Espana, Santiago,
 Casilla 2626
 CB122 100 w. Radio Temuco, Temuco,
 Antonio Varas, 828
 CB123 1 kw. Radio Espana, Santiago,
 Casilla 2626
 CB124 100 w. Radio Aliviol, Chillan, Casilla
 418
 CB125 2 1/2 kw. Radio La Americana, Santi-
 ago, Casilla 13155
 CB126 1 kw. Radio Wallace, Valparaiso,
 Blanco, 1116
 CB127 130 w. La Discusion, Chillan, Casilla
 14-D
 CB128 1 kw. Radio Condor, Santiago,
 Moneda, 918
 CB129 100 w. La Voz del Sur, Magallanes,
 Lautaro Navarro, 133
 CB130 5 kw. Radio El Mercurio, Santiago,
 Compania, 1214
 CB131 100 w. Radio Onda Azul, San
 Antonio, 21 de Mayo, 736
 CA131 1 kw. Radio Antofagasta, Antofagasta,
 Casilla 439
 CC141 100 w. Radio Patria, Concepcion,
 Caupulican, 370
 CC143 100 w. Radio Atlantida, Talca, Casino
 Estadio, 4-N57
 CB144 100 w. Radio O'Higgins, Santiago,
 Nueva York, 81
 CB145 100 w. Radio Moraga, Santiago,
 Carvajal, 254-Ovalla
 CC145 100w. Radio La Prensa, Rancagua,
 Estado, 574
 CB147 1 kw. Radio Zenith, Valparaiso, 12 de
 Febrero, 162
 CD147 100 w. Radio Aliviol, Puerto Montt
 @CB150 Santiago

SHORTWAVE

CB960 1.2 kw. Radio La Americana, Santiago,
 Casilla 13155
 CB999 1 kw. Valparaiso, Casilla 37-V
 CB1170 150 w. Radio Otto Becker, Santiago,
 Casilla 77
 CB1174 kw. Radio Huckle, Santiago, Casilla
 6009
 CB1180 1 kw. Santiago, Casilla 40-D
 CB1190 250 w. Radio Sur, Valdivia, Casilla
 642

NOTE.—Call letters of Chilean station in-
 dicate frequency—just add a zero to number
 used in call. i. e. CB57 is 370 kcs.

Ecuador—Semi-Official
 900 HC2R0Z 100 w. Guaquil,
 970 HC1JB 1 kw. Quito, Casilla 691
 1050 HC2AJ 2 1/2 kw. Guayaquil, Casilla 1080
 1100 HC2TJSB 20 w. Guayaquil, Casilla 824
 1150 HC2ET 300 w. Guayaquil, Casilla 824
 1250 HC2RB 100 w. Guayaquil, Quito
 1330 HCQR 300 w. Radio Quito, Quito
 1350 HC2CW 200 w. Guayaquil
 Note:—No slogans are given for Ecuador
 stations in this list.

Paraguay—Official
 BROADCAST BAND
 *730 ZPA Radio Continental, Asuncion,
 C. Martine, 274
 *000 ZP3 Radio Bouquet, Encarnacion
 970 ZP1 1 kw. Radio La Capital, Asuncion,
 Chile, 461
 1200 ZP6 Radio Charita, Asuncion, L.
 Herrera, 134
 1300 ZP6 Radio Livieres, Asuncion, 15
 Agosto y Jujui
 1330 ZP5 100 w. Radio Guarania, Asuncion
 1385 ZP5 100 w. Radio Paraguay, Asuncion,
 Estados Unidos, 70
 1430 ZP13 La Voz del Aire, Asuncion,
 25 de Mayo, 576

SHORTWAVE
 11703 ZP7 Radio Bouquet, Encarnacion
 11850 ZP8 Radio Continental, Asuncion, C.
 Martine, 274

NON-OFFICIAL BUT BELIEVED OPERATING
 *700ZP15 1 1/2 kw. Radio Cultura, Villarica
 890 ZP19 1 1/2 kw. Asuncion
 11721 ZP14 1 kw. Radio Cultura, Villarica

Peru—Semi-Official
 BROADCAST BAND
 *854 OAX4A 12 kw. Radio Nacional,
 Lima, Petit Thouars, 447
 *960 OAX4E 200 w. Radio Goicochea,
 Lima, Jiron Ocona, 158
 *1100 OAX4I 250 w. Radio Internacional,
 Lima, Casilla 1166
 *1200 OAX4B 250 w. Radio Grellaud,
 Lima, Abancay 915
 1250 OAX4L 200 w. Radio Miraflores,
 Lima, Manco Capac, 347
 *1280 OAX5B 200 w. La Ondas de Ica, Ica,
 Av. San Luis, s/n
 1370 OAX6C 350 w. Radio Continental,
 Arequipa

SHORTWAVE
 5940OAX2A 250 w. Trujillo
 5975 OAX4P 250 w. Huancayo
 6035 OAX6B 150 w. Radio Sur, Arequipa,
 Sucre, 409
 6050 OAX6A Radio Arequipa, Are-
 quipa, Munoz Naya, 141
 6175 OAX6E 300 w. Radio Continental,
 Arequipa
 *6082 OAX4Z 15 kw. Radio Nacional, Lima,
 Petit Thouars, 447
 6128 OAX7A 100 w. Radio Cuzco, Cuzco
 6150 OAX1A 200 w. Radio Delcar, Chiclayo,
 Casilla 9
 6190 OAX4G 250 w. Radio Grellaud, Lima,
 Abancay, 915
 6205 OAX3A, 350 w. Radio Huanuco,
 Casilla 27
 *9340 OAX4J 250 w. Radio Internacional,
 O'Higgins, Casilla 1166
 *9425 OAX5C 150 w. La Ondas de Ica, Ica,
 Av. San Luis, s/n

9500 OAX6d Radio Continental, Are-
 quipa
 %9558 OAX4K Radio Cotacocha,
 Lima, Jiron Ocona, 158
 %9562 OAX4J 10 kw. Radio Nacional,
 Lima, Petit Thouars, 447
 %15150 OAX4R 10 kw. Radio Nacional,
 Lima, Petit Thouars, 447

Uruguay—Semi-Official
 BROADCAST BAND
 580 CW2 500 w. Florida, 25 de Mayo, 545
 580 CW2A 50 w. Maldonado
 610 CX4 5 kw., Montevideo, Uruguay, 821
 650 CX6 10 kw., Montevideo, Ardes, 1465
 680 CW27 250 w., Salto
 690 CX8 500 w., Montevideo, Caigua, 3719
 730 CX10 1 kw. Radio Ariel, Montevideo,
 18 de Julio, 1275
 770 CX12 5 kw., Montevideo, Climar, 1364
 810 CX14 5 kw., Montevideo, Climar, 1364
 850 CX16 10 kw. Radio Carve, Montevideo,
 18 de Julio, 928
 890 CX18 10 kw. Radio Sport, Montevideo,
 Olimar, 1364
 930 CX20 2 kw. Radio Montecarlo, Monte-
 video, Humberto, 4033
 970 CX22 1 1/2 kw. Radio Fada, Montevideo
 1010 CX24 5 kw., La Voz del Aire, Monte-
 video, 18 de Julio, 928
 1050 CX26 2 kw. Radio Uruguay, Monte-
 video, Millan, 2370
 1090 CX28 3 kw., Montevideo, Concepcion,
 1379
 1120 CW31 250w., Salto
 1130 CX30 1 kw. Radio Nacional, Monte-
 video, 18 de Julio, 764
 1170 CX32 500 w. Radio A guila, Montevideo,
 Plaza Libertad, 1334
 1200 CW33A 50 w., Paysandu
 1200 CW33B 50 w., Tacuarembó
 1210 CX34 500 w. Radio Artigas, Monte-
 video, Millen, 2370
 1240 CW35 250 w., Paysandu, 18 de Julio, 614
 1250 CX36 250 w., Montevideo, Olimar, 1364
 1290 CX38 5 kw. Radio El Mundo, Monte-
 video, Andes, 1465
 1330 CX40 500 w. Radio Fenix, Montevideo,
 Cuareim, 1331
 1340 CW19 50 w., Rocah, Plaza Independencia
 1360 CW19A 60 w., Rivera, Ituzaingo, 574
 1360 CW41 50 w., San Jose
 1360 CW41A 50 w., Salto
 1370 CW41B 50 w., Melo
 1400 CX42 500 w., Montevideo, Mercedes, 1039
 1410 CX44 250 w., Durazno, Cuareim, 1331
 1430 CW25 500 w., Durazno, Cuareim, 1331
 1450 CX46 1 1/2 kw. Radio America, Monte-
 video, Colonia, 1193
 1470 CW46 100 w., Minas
 1470 CW46A 250 w., Tacuarembó
 1480 CW47A 100 w., San Jose
 1490 CW48 1 1/2 kw. Estacion Feminina,
 Montevideo, Millan, 2370
 1530 CX50 300 w., Montevideo, Ibicuy, 1285



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The Shortwave Stations

from 2000 to 22000 kcs.

Abbreviations used in our shortwave list: Prop. for propaganda, Sta. for station, Mid. for midnight, ex. for except, days of the week are abbreviated by using the first two letters as Su. for Sunday, etc. Whenever known, exact schedules are given, otherwise brief notes are included which are intended to help the listener identify the station.

2000 kcs. band

- 3040 YD, Batavia, N.E.I., 4:30-10:30 a.m., 6-7:30 p. m.
- 3050 YV, Coro, Venezuela, "Radio Farolito", 10:30 to noon
- 3100 YV, Coro, Venezuela, "Radio to Marconi"
- 3310 YV, EX, Maracaibo, Venezuela, "Radio Trujillo"
- 3340 YV, IRO, Trujillo, Venezuela, "Radio Trujillo"
- 3350 YV, IPS, Caracas, Venezuela, "Radio Libertador"
- 3365 YUR-2, Bombay, India, 9 a.m. to 12:15 p.m.
- 3370 YV, IRT, Maracaibo, Venezuela, "La Voz de la Fe"
- 3380 YV, IRT, Caracas, Venezuela, "Radio Continente"
- 3400 YV, 3RW, Caracas, Venezuela, "Radio Tropical"
- 3410 YV, 2RC, Barquisimeto, Ven., "Radio America"
- 3420 YV, 2RC, Merida, Venezuela, "La Voz de la Sierra"
- 3430 YV, 5RX, Caracas, Venezuela, "La Voz de la Patria"
- 3435 YV, 1-2, Madras, India, 8:30 a.m. to noon
- 3440 YV, IRU, Maracaibo, Venezuela, "Radio Maracaibo"
- 3450 YV, 6C, Barcelona, Venezuela, "Ondas del Nevery"
- 3460 YV, 4RO, Valencia, Venezuela, "Radio Valencia"
- 3480 YV, 4RO, Puerto Cabello, Vene., "Radio Puerto Cabello"
- 3490 YV, 7, Rangoon, Burma, 9:00 a.m. to 12:15 p.m.
- 3490 YV, RF, Acarigua, Marques, Mozambique
- 3490 YV, 2, Delhi, India, 8:45 a.m. to 12:15 p.m.
- 3500 YV, 5RV, La Guaira, Venezuela, "Emisora Vargas"
- 3920 Bridgeton, Barbados, 5:15-6 p.m.

4000 kcs. band

- 4002 CT, 2AJ, Ponta Delgada, Azores, 5-7 p.m.
- 4273 KY, 15, Khabarovsk, U.S.S.R., 4:30-6 p.m., 6:30-7:30 a.m.
- 4700 ZQ, Kingston, Jamaica, 5:30-6:30 p.m.
- 4750 HJ, EH, Buenaventura, Colombia, "Ecos del Zulia"
- 4760 YV, IRY, Maracaibo, Venezuela, "La voz del Carobobo"
- 4770 YV, IRO, Valencia, Venezuela, "Radio Coro"
- 4775 HJ, GB, Bucaramanga, Colombia, "Radio Santander"
- 4785 HJ, AB, Barquisimeto, Vene., "Radio Barquisimeto"
- 4790 YV, 6RU, Barranquilla, Colombia, "Focos del Orinoco"
- 4795 HJ, DX, Medellin, Colombia, "La Voz de Cuenca"
- 4800 YV, IRX, Maracaibo, Venezuela, "Ondas del Lago"
- 4805 HJ, DU, Medellin, Colombia, Irreg. evenings
- 4815 HJ, BO, Cucuta, Colombia, "La Voz de Cucuta"
- 4820 YVO, Maracaibo, Venezuela, Government station
- 4825 HJ, ED, Cali, Colombia, 7 a.m. to 1 p.m., 7:10-10:39 p.m.
- 4830 YV, 2RN, San Cristobal, Vene., "La Voz del Tachira"
- 4840 YV, GZ, Calcutta, India, 6:30-10:15 a.m.
- 4840 YV, IRZ, Valera, Venezuela, "Radio Valera"
- 4845 HJ, CD, Bogota, Colombia, 6-11 p.m.
- 4860 YV, 5RU, Caracas, Venezuela, "Ondas Populares"

- 4965 PRC, 5, Ielem, Brazil, until 8 p.m.
- 4985 HJ, F, Armenia, Colombia, 8-11 a.m., 6-10 p.m.
- 4880 YV, B-2, Bombay, India, 6:30-8:45 a.m.
- 4885 HJ, DF, Medellin, Colombia, 8 a.m. to 2 p.m., 6-11 p.m.
- 4895 YV, 5RM, Caracas, Venezuela, "Radiofusora Venezuela"
- 4905 HJ, CH, Bogota, Colombia, 11:30 a.m.-2 p.m., 6-11 p.m.
- 4900 YV, A, Batavia, Java, 5:30 a.m.
- 4920 YV, M-2, Madras, India, 5:30-8:15 a.m.
- YV, 5RN, Caracas, Venezuela, "Radio Caracas", 5-10 p.m.
- ZO, Y, Accra, Gold Coast, rarely heard here
- 4930 HJ, AP, Cartagena, Colombia
- 4845 HJ, CW, Barranquilla, Colombia, 7:30-10 p.m.
- 4950 YV, 2, Caracas, Venezuela, "Radiofusora Nacional"
- 4960 YV, D-2, Delhi, India, 6:30-8:30 a.m.
- YV, D, P, Soerabaya, Java, 10:30 p.m.-2 a.m.
- 4965 HJ, AE, Cartagena, Colombia, 7-10:30 p.m.

5000 kcs. band

- 5045 PMY, Bandoeng, Java, 5:30 a.m. to noon
- 5556 HUB, San Salvador, Salvador, 5:30-11 p.m.
- 5725 HC, IPM, Quito, Ecuador, 2-10 p.m.
- 5750 YN, JAT, Leon, Nicaragua, evenings
- 5875 HRN, Tegucigalpa, Honduras, 6-11 p.m.
- 5900 ZNB, Maleking, British Recruanaland, 6-7 a.m., 1-2:30 p.m.
- 5905 TIX, San Jose, Costa Rica, 7 p.m.-mid.
- 5936 PJC, Willemstad, Curacao, 6:36-8:36 p.m., Sun., 10:30-12:36 p.m.
- 5940 HJ, 2S, Port-au-Prince, Haiti, 9:10-4 p.m.
- OAX, 2A, Trujillo, Peru, Tu, Th, Sa, Su, 7-10 p.m.
- 5950 XGOY, Chungking, China, 5-10 p.m.
- 5970 VONH, St. Johns, Nfld., 5-10 p.m.
- HC, QRX, Quito, Ecuador, "Radio Quito"
- 5975 OAX, 4P, Huancayo, Peru, till midnight
- 5985 XGOA, Chungking, China, 2-4 p.m.
- 5995 T1, 7RV, Guancasta, Costa, Rica, 9:30-10 p.m.* "La V. del Guanacaste"

6000 kcs. band

- 6005 HP, 5K, Colon, Panama, 7-9 a.m., 11:30 a.m.-1 p.m., 6-11 p.m.
- XEBT, Mexico City, D.F., 10 a.m.-1:45 a.m.
- Moscow, U.S.S.R., 3:30-4 p.m.
- 6007 XYZ, Rangoon, Burma, 6:30-10 a.m., 9-11 p.m., Su. 9:30-11:30 p.m.
- ZRH, Capetown, U. of So. Africa, 10:45 a.m.-3 p.m.
- 6010 CJ, CX, Montreal, P. C., 7:45 a.m.-1 a.m., Su. 9 a.m.-11:15 p.m.
- CJ, CX, Sydney, Nova Scotia, 7 a.m.-1:30 p.m., 4 p.m.-mid.
- CK, WX, Vancouver, B. C., 10:15-11:30 p.m.
- PRA, 8, Recife, Brazil, 4-9 p.m.
- OQ, 2A, Leopoldville, Bel. Con., 5:55-7:45 a.m., 1:55-2:45 p.m.
- 6015 JLR, Tokyo, Japan, "Japanese propaganda sta."
- 6017 HI, 3U, Santiago, Dominican Rep., 7:10-8:05 a.m., 11:40 a.m.-1:40 p.m., 4:40-6:40 p.m., Su. 12:30-2 p.m., 5-6 p.m.
- HJ, CX, Bogota, Colombia, 9-11:30 p.m.
- XEUW, Vera Cruz, Mexico, 7 a.m. to 1 a.m.
- 6025 HJ, IJ, San Pedro, Domin. Rep., 11:40 a.m., 1:40 p.m., 6-8:30 p.m.
- 6030 CF, VP, Calgary, Alberta, 10 a.m.-2 p.m.
- RV, 96, Moscow, U.S.S.R., 1-7 p.m., 8:30-9 p.m.
- CR, 7AA, Lourenzo Marques, Mozambique, 4:50-7:30 p.m., 8-11 p.m.
- DX, P, Berlin, Germany, 11:05 p.m.-1 a.m.
- XEKW, Mexico City, Mexico, late evenings
- MTCY, Hsingking, Manchukuo, "Japanese propaganda station"
- 6033 HP, 5B, Panama City, Panama, 10:30 a.m.-2 p.m., 6-10 p.m.
- 6040 WR, UL, Boston, Mass., 5-6:45 p.m., Sun. 1-4:45 p.m.
- 6045 XE, TW, Tampico, Mexico, 7 p.m.-1 a.m.
- 6050 GSA, London, Gt. Britain, 10:55 p.m.-5 a.m., 5:40-10:40 a.m., 11-5:45 p.m., 6:19-7:15 p.m.

- HP, 5F, Colon, Panama, 7-9 p.m.
- OAX, 6A, Arequipa, Peru, 9:45-10:30 p.m., "Radio Arequipa"
- 6055 HJ, FA, Pereira, Colombia, 9 a.m.-noon, 6:30-10 p.m.
- 6060 WC, AB, Philadelphia, Pa., 6:15 p.m.-1 a.m.
- KZ, IB, Manila, P. I.
- WC, RX, New York, N. Y., not in use yet
- WC, RC, New York, N. Y., New Station
- YDD, Bandoeng, Java, at 5:30 a.m.
- 6065 SBO, Stockholm, Sweden, 4:20-4:35 p.m.
- 6070 CFR, X, Toronto, Ont. 7 a.m.-12:30 a.m., Su. 10 a.m.-11 p.m.
- T1, W, S, Puntarenas, Costa Rica, 5-11 p.m., "Ecos del Pacifico"
- 6075 GR, C, London, Gt. Britain, 11:45 p.m.-mid., 12:30-12:45 p.m.
- HJ, CF, Bogota, Colombia, 7 p.m. to mid.
- 6080 CK, FX, Vancouver, B. C., 6-8 p.m.
- CK, FX, Macao (pr. China coast), Mo., at 7 a.m.
- ZFY, Georgetown, Br. Guiana, 6-6:30 a.m., 3:40-7:57 p.m.
- 6082 OAX, 4Z, Lima, Peru, 6 p.m. to midnight, "Radio Nacional"

6085 VUD3 Delhi, India, 11:15-11:45 a.m.
 XEBF Jalapa, Mexico, 8:30-9:30 p.m.
 ZBA7 Hong Kong
 ZNS2 Nassau, Bahamas, 8-8:15 a.m., 1-1:15 p.m., 6-9 p.m.
 6090 CBNV Montreal, P. Q., 7 a.m.-11 p.m.
 6094 ZHI Peking, St. Settlement, 5:10-9:10 a.m.
 6095 ZHI Tokyo, Japan, 4:30 a.m., Africa 3:7 a.m.
 6097 ZHI Johannesburg, U. of So. Africa, 3:7 a.m.
 ZRY Capetown, So. Africa, 11:45 p.m.-1 a.m.
 HJFK Pereira, Colombia, 6:10-30 p.m.
 6100 KZKC Cebu City, Philippines, 7-8 a.m.
 6101 XOFD Hankow, China
 6100 CP2 La Paz, Bolivia, 8-10 a.m., 6 p.m.-mid., "Radio Nacional"
 6110 GSL, London, Gt. Britain, 9:30-11:35 p.m.
 XEGW Mexico City, Mexico, 11 p.m.-1 a.m.
 6112 H16H Trujillo, Domin. Rep., 5-8:30 p.m.
 6115 Khabarovsk*, U.S.S.R., 6:30-7:30 a.m., 4:30-6 p.m.
 6117 XEUZ Mexico City, Mexico, 9 a.m.-p.m., 7 p.m.-2 a.m.
 6120 WCRC New York, N. Y., not in use.
 6122 HPSH Panama City, Panama, 6-10:30 p.m.
 6125 MTCY Hsinking, aMenchukuo, 7:30-9:30 a.m., "Japanese propaganda station"
 CAA14 Montevideo, Uruguay, 6-11 p.m.
 6130 CHNX Halifax, N. S., 6:45 a.m.-11:15 p.m., Sa. 7 a.m.-11:15 p.m., Su. noon-11 p.m.
 HSAPJ Bangkok, Thailand, 8-10 a.m.
 VLW Perth, Australia
 6135 FK8AA Noumes, New Caledonia, 1-1:45 a.m.
 -6140 OQAA Leopoldville, Belgian Congo, Sl. 5:30-7 a.m.
 KZRF Manila, Philippines, 5 p.m.-10:30 a.m.
 6145 GRV London, Gt. Britain, BBC Home Service at 8:15 p.m.
 6148 ZRD Durban, U. of So. Africa, 12:45-2:45 a.m.
 HIDE Medellin, Colombia, 9:30 a.m.-1 p.m., 5-11:30 p.m.
 6152 H15N Moca, Dominican Rep., 6:40-9:10 p.m.
 6150 URO Winnipeg, Manitoba, 3:30 p.m.-1:30 p.m.
 TIRH San Jose, Costa Rica, 8-11:30 p.m., "Radio El Mundo"
 6155 EOB Tcheran, Iran
 6160 HCD Nueva Granada, Colombia, until 11:30 p.m.
 6165 HZRC Cebu, Philippines, 5-7 p.m., 11 p.m.-12:30 a.m., 4-10 a.m.
 H1LS San Jose, Costa Rica, "Para Ti", 11:35-1:40 a.m., 4-4:30 p.m.
 6170 WUBX New York, N. Y., not in use
 WCRC New York, N. Y., new
 ZHP2 Singapore, St. Settlements, 6:30-9:30 a.m., Sa., 7-9 p.m.
 LRA-1 Buenos Aires, Argentina, 6:9 p.m., Sa., Su., 7-9 p.m.
 XEO London, Great Britain, mornings
 XEX Mexico City, Mexico, 8-11 a.m., 2:30-4 p.m., 7:30 p.m.-12:45 a.m.
 TIRCC San Jose, Costa Rica, Tu., Th., Sa. 6-7 p.m., Su. 8-10 p.m., "Accion Catolica"
 6190 H1IA Santiago, Domin. Rep., 10-40 a.m.-1:10 p.m., 6:40-9:40 p.m.
 HVJ Vatican City, Su. 8:30-9 a.m. Su., We., 9-10:30 p.m.
 JLT Tokyo, Japan, "Japanese propaganda sta."
 OAX4G, Lima, Peru 6 p.m.-mid. "Radio Grelland"
 WGEA Schenectady, N. Y., 8:30-9:30 p.m.
 Saigon, Fr. Indo China, "Radio Saigon", 6:7-30 a.m.
 6193 IG2 Guatemala City, Guat., 7:30-9 a.m., 6-11:30 p.m.
 6195 H12D Trujillo, Domin. Rep., 5:10-7:10 p.m.
 GRN London, Great Britain, afternoons
 CP5 La Paz, Bolivia, 6:30-11 p.m., "Radio Illimani"
 6200 CSWD Lisbon, Portugal, 3-6 p.m.
 H180 Trujillo, Domin. Rep.
 6205 OAX3A Huanuco, Peru, after 11 p.m., "Radio Huanuco"
 6233 HRD La Ceiba, Honduras, 8-11 p.m., Sa. 8 p.m.-1 a.m., Su. 4-6 p.m.
 6245 H1IN Trujillo, Domin. Rep., 5:10-10:10 a.m.
 6255 CP12 La Paz, Bolivia, 7-9 p.m.
 6270 YSR San Salvador, Salvador, evenings.
 6285 FIG Yaconde, Cameroon, at 3:30 a.m.
 6310 H1IZ Trujillo, Domin. Rep., 11:40 a.m.-12:40 p.m., 5:10-7:40 p.m., ex. Su.
 6340 H1IG Trujillo, Domin. Rep., 8:10-10:10 p.m., Su. 7:40-9:40 a.m.
 6350 HRP-1 San Pedro Sula, Honduras, 7:30-10 p.m.
 6370 COCQ Havana, Cuba, evenings
 6384 ZIZ Basseterre, St. Kitts, 4-4:45 p.m., We. 7-7:30 p.m.
 6395 H19B Santiago, Domin. Rep., 7:40-8:40 p.m., Fr. 8-11 p.m., Sa. 8 p.m.-1 a.m., Su. 7:30 a.m.-3 p.m.
 6396 COX-7 Havana, Cuba, 2-3, 6-10:30 p.m., Fr. 8-11 p.m., Sa. 8 p.m.-1 a.m., Su. 7:30 a.m.-3 p.m.
 6400 TGOA Quetzaltenango, Guat., Mo. only
 6430 H1IS Santiago, Domin. Rep., 5:40-9:10 p.m., ex. Su.
 6435 DAKR, Fr. W. Africa, at 8:15 a.m. and 3:15 p.m.
 6455 COHI Santa Clara, Cuba, 6:42 a.m.-12:15 a.m.
 6480 TGWR Guatemala City, Guat., 7:45-9 a.m., 12:45-3:45 p.m., and 5:30 p.m.-12:15 a.m.

6500 H1IL Santiago, Domin. Rep., 5:30-9:30 p.m., ex. Su.
 6540 YN1GG Managua, Nicaragua, 1-2:30, 8-10 p.m.
 6555 H19T Puerto Plata, Dom. Rep., 10:40 a.m.-2:10 p.m., 4:40-10:40 p.m.
 6558 H14D Trujillo, Dominican Rep., 12:30-2, 6-8 p.m.
 6575 YSPB San Salvador, El Salvador, 5:40-7:40, 9:40-11:40 p.m.
 6610 YN1G Managua, Nicaragua, 1:30-2:30, 6-10:15 p.m.
 6630 HIT Trujillo, Dominican Rep., 12:40-1:40 p.m., 4:40-8:40 p.m., Sa. 10:40 p.m.-12:40 a.m.
 6635 HC2RL Guayaquil, Ecuador, Su. 5:45-7:45 p.m., Tu. 9:15-11:15 p.m.
 6675 HRQ Geneva, Switzerland, Su. 1:45-2:45 p.m.
 6700 TIEP San Jose, Costa Rica, 7 p.m.-mid., "La oz dey Pacifico"
 6720 PMH Bandoeng, Java, 4:30-11 a.m., Su. 8:30 p.m.-1 a.m., 4:30-11 a.m.
 6730 H13C La Romana, Domin. Rep., 4:55-8 p.m.
 6790 PZH Paramaribo, Suriname, Mo. & Th. 6:30-7:30 p.m.
 6810 H1H San Pedro, Domin. Rep., 7-9:40 p.m., Su. 5:20-6:40 p.m.
 6850 YNOW Managua, Nicaragua, 8-10 p.m.
 6985 VQF Kuching, Sarawak, Fri. at 7:40 p.m.
7000 kcs. band
 7035 "Voz Espana," Valencia, Spain, 5-6 p.m.
 7065 GRS London, Gt. Britain, BBC Home Service, heard 1 a.m.
 7080 Y15KG Bagdad, Iraq, 9 a.m.-2 p.m.
 7090 Tangiers, Africa, "Radio Falange" at 1 p.m.
 7100 FO8AA Papeete, Tahiti, Tu. & Fr. 11 p.m.-mid.
 7140 EAJ22 Oviedo, Spain, 3-5 p.m.
 7120 CR7RB Namputa, Mozambique, until 3 p.m.
 7150 GRT London, Gt. Britain, 12:45-1 a.m., 1:15-3 a.m.
 7170 CR6AA Lobito, Angola, Mo., We. & Sat. 2:45-4:30 p.m.
 7210 VUC2 Calcutta, India, 9:30-11 p.m.
 7220 YDX Medan, Sumatra, 10:30 p.m.-2 a.m.
 12RO-11 Rome, Italy afternoons, "Facist propaganda sta."
 7230 GSW London, Gt. Britain, 12:45-1:15 a.m., 3-5 a.m., 6:10-30 a.m., 10:55 a.m.-5:45 p.m.
 7240 VUB2 Bombay, India, 9:30-11:30 p.m.
 7240 DUBJ Berlin, Germany, Almost continuous operation. "Nazi propaganda sta."
 7250 ZHP3 Singapore, St. Settlements, 6:30-9:40 a.m.
 YDA Batavia, Java, 10:30 p.m.-2 a.m., Sa. 7 p.m. to 2 a.m.
 7258 IVW Tokyo, Japan, 2-4 p.m., "Japanese propaganda sta."
 7260 GSV8 Lisbon, Portugal, Tu., Th., Sa., 5-6 p.m.
 7270 DXM Berlin, Germany, mornings, "Nazi propaganda sta."
 7285 ILG Tokyo, Japan, "Japanese propaganda sta."
 7290 DJJ Berlin, Germany, 5-5:15 a.m., "Nazi propaganda sta."
 7295 JIE Taiwan, 9-10:30 a.m.
 7300 Pontia, Delgada, Azores, 3-4 p.m.
 7310 12RO19 Rome, Italy, 8-10:30 p.m.
 7440 GRI London, Great Britain, afternoons
 7440 FG8AA Pointe-a-Pitre, Guade, 6-7 p.m., Su. 9:30-11 a.m.
 7450 VZRS San Jose, Costa Rica, 7-11 p.m.
 7470 KZFT Granada, Nicaragua, 8-10 p.m.
 7320 KNT Kanuku, Hawaii, Sa., Su. 8:30-9 p.m.
 7820 YNDAT Grande, Nicaragua, 8-10:15 p.m.
 7854 HCD Leon, Nicaragua, 8:30-9:30 p.m.
 7854 HCD Leon, Nicaragua, 8:30-9:30 p.m., 4-11 p.m.
 7865 VSK Cairo, Egypt, 12:30-1:30 p.m., also at 7 p.m.
 7894 PSD San Salvador, El Salvador, 7:10-30 p.m.
 7930 PSL Rio de Janeiro, Brazil, 6:7-05 p.m.
 7968 HSP6 Bangkok, Thailand, 7-11 a.m.
8000 kcs. band
 8000 FIA-6 Douala, Fr. Camerons, 1:15 p.m. "Radio Camerons"
 8030 CNR Rabat, Morocco, "Radio Maroc" around 3 p.m.
 8030 FXE Beirut, Lebanon, "Radio Levant" 12-12:30 a.m.
 8200 PSK Rio de Janeiro, Brazil, 5:45-7 p.m.
 8275 COCX Havana, Cuba, 8 a.m.-mid.
 8480 XPSA Kweiyang, China, at 4:00 a.m.*
 8500 Brazzeville, Fr. W. Africa, "Radio Club" 5:30 a.m. and 1 p.m.
 8585 YNRS Managua, Nicaragua, until 10:45 p.m.
 8700 COCO Havana, Cuba, 7:50 a.m.-12:5 a.m.
 8700 KZND Manila, P. I., "Voice of the Commonwealth"
 8960 TPZ2 Algiers, Algeria, 1:30-2:3 p.m., 4-6 p.m.
 COKG Santiago, Cuba, 5-9:50 p.m.
9000 kcs. band
 9030 COBZ Havana, Cuba, 7:45 a.m.-mid., Su. 7:45 a.m.-1 a.m.
 9045 Syria, "France Libre d'Orient" at 9:30 a.m.
 9125 HAT4 Budapest, Hungary, 7-8:00 p.m., Sa. 6-7:30 p.m.
 9190 HC2ET Guayaquil, Ecuador, 8-10 p.m., Su. 8:30-10:30 p.m.

9295 HI2G Trujillo, Dominican Rep. 6:40-8:40 a.m., 11:40 a.m.-2:10 p.m., 3:40-4:40 p.m.

9320 FHK Libreville, Gabon, 4:5-15 p.m.

9340 OAX-J Lima, Peru, Noon-3 p.m.; 5 p.m.-mid., "Radio Internacional"

9343 HBL Geneva, Switz., Ve., 7:45-9:15 p.m.

9353 COB Havana, Cuba, 7 a.m.-mid. Su., 7 a.m.-10:30 p.m.

9375 Zanzibar, 2:30 and 5 p.m. "Zanzibar Calling."

9380 HCJR Quito, Ecuador, Sa. 8-11 p.m. (hd. on 9435 kes.)

9395 FGA Dakar, Fr. West Africa, 3:15-4 p.m., "Nazi Propaganda Station"

COCH Havana, Cuba, 6-40 a.m.-mid.

9445 HC0DA Guyaquil, Ecuador, 8:15-10:15 p.m., ex. Su.

9450 GRU London, Gt. Britain, 8:45-11:30 a.m.

9455 OAX6D Arequipa, Peru, evenings, "Radio Continental"

9465 TAP Ankara, Turkey, 9-10 a.m., also reported 2 p.m.

9470 CR6RA Luanda, Angola, Tu., We., Sa., 2:30-4 p.m.

9475 VONG St. Johns, Nfld., 9 a.m.-2 p.m.

9480 CP38 La Paz, Bolivia, 8-10 a.m., 6 p.m.-mid.

9485 KZ1B Manila, Philippines, 10 a.m. and 6-11 p.m.

9492 OFD Helsinki, Finland, 1:15 p.m.

9500 XEWV Mexico City, Mexico, 7:45 a.m.-12:45 a.m.

XGOY Chungking, China, 3-5:30 a.m.

9505 Belgrade, Roumania, 1:45-4:15 p.m.

9510 CP1 Sucre, Bolivia, 7-9 p.m., "Radio Cucuquoca"

9515 GSB London, Gt. Britain, 9:45-11:35 p.m., mid.-3:15 a.m.*

9517 XEDQ Guadalajara, Mexico, 1 p.m.-mid.

9520 RV96 Moscow, U.S.S.R., evenings

9525 ZRH Capetown, So. Africa, 11:45-1:45 a.m.

9525 DXY Berlin, Germany, daytime*, "Axis propaganda sta."

9530 HMV Hongkong, China, 5-10 a.m., 11:30 p.m.-1:15 a.m., Su. 5-9:30 a.m.

9535 WGE0 Schenectady, N. Y., 3 p.m. to mid.

9535 IZ1 Tokyo, Japan, 7:30-8:30 p.m., "Japanese propaganda sta."

9535 NBT Stockholm, Sweden, 4:20-4:35 p.m.

9540 HPR2 Bern, Switzerland, evenings to 9:10 p.m.

9543 XEFT Mexico City, Mex.

9545 MTCY Hsingking, Manchukuo, at 10 a.m.*

9548 VDB Leopoldville, Belg. Con., 5:55-7:45 a.m. & 1:55-2:45 p.m.

9550 OQ2AA Bombay India, 2-3:55 a.m.

9550 WGEA Schenectady, N. Y., 6:15-9:15 p.m.

VDB Soerabaya, Java, 10:30 p.m.-2 a.m., Su. 7 p.m.-2 a.m.

HVJ Vatican City, Su. 5-5:30 p.m., 8:30-9:45 p.m., We. 2:30-3 p.m., Th. 8:30-9:45 p.m.

9540 VLG-2 Sydney, Australia, 7:20-8:05 a.m.

9550 MTCV Lima, Peru, 7-8, 11:30 a.m.-1:30 p.m., "Radio Nacional"

VFTT Vera Cruz, Mexico, 7:30 p.m.-mid.

VFTT Vera Cruz, Mexico, 7:30 p.m.-mid.

9560 DIA Berlin, Germany, mornings, "Nazi propaganda sta."

9560 VFA Monterey, Mexico, 10 a.m.-mid.

9565 RV13 Khabarovsk, U.S.S.R., 8:10-9:45 a.m., 1-1:45 p.m.

9570 YOSCOU U. S. S. R., 6:30-7:30 p.m., "Radio Center"

CXN Montevideo, Uruguay, 11 a.m.-4 p.m., 4:30-9:30 p.m.

DZA Warsaw, Poland, 4:50 p.m. to 1 a.m., "Nazi propaganda sta."

VFA Manila, Philippines, 4:30-7 p.m., 11 p.m.-1 a.m., and 4:10-1:15 a.m.

VFA Madras, India, 3-4:30 a.m.

WBOS Boston, Mass.

9580 GSC London, Gt. Britain, 12:45-1 a.m., 1:25-2:15 p.m., 3-3:45 p.m., 4:15-11 p.m., 5:10-11:35 p.m.

9590 WLV Melbourne, Australia, 2:30-9, 9-9:30 a.m.

WLV Cincinnati, Ohio, 6-9 p.m.

VUD2 Delhi, India, 1-3:30 a.m.

VUD2 Delhi, India, 6:30-11 a.m.

9595 CB960 Athlone, Ireland, 12:30-4:30 p.m., 5-6 p.m.

9600 CB960 Santiago Chile, 8-11:30 p.m., "Radio la Americana"

RK London, Gt. Britain, 5-7 a.m., 8:30-9 p.m.

9605 RAN Moscow, U.S.S.R., 3-7 a.m., 8:30-9 p.m.

9605 HJF Tokyo, Japan, "Japanese propaganda sta."

9607 HX3 Panama City, Panama, 7-8 a.m., noon-1:30 p.m., 6:30-10:30 p.m.

9610 DWB Berlin, Germany, 4:50-10:45 p.m. (Span.) "Nazi propaganda sta."

9615 RW99 Inakutsu, U.S.S.R., until 11 a.m.

9615 VLO Sydney, Australia, 2:30 a.m., 3:25-4:25 a.m., 10:30 a.m., 2-3:03 p.m.

ZRL Capetown, U. of So. Africa, 12-2, 6-11:30 p.m., "La Voz de la Victor"

9620 IFC San Jose, Costa Rica, 9-9:30 a.m., 12-2, 6-11:30 p.m., "La Voz de la Victor"

9625 CXA6 Montevideo, Uruguay, 10:30 a.m.-1:30 p.m., 3:30-9:30 p.m.

IZR03 Rome, Italy, 1-2 a.m., 12:07-2:35 p.m., 4:15-4:45 and 6-9 p.m.

9630 HJCT Bogota, Colombia, 6-11 p.m.

JFO Taihoku, Taiwan, 4:10-30 a.m., "Japanese propaganda sta."

VV3RN Caracas, Venezuela, evenings, "Radio Caracas"

9635 KZRH Manila, Philippines, 5 p.m.-11 a.m.

9636 VPD-2 Suva, Fiji Islands, 12:12-30 a.m., 3:30-8 a.m.

9640 CXA8 Colonia, Uruguay, 5 a.m.-10:45 p.m., Sa. to 1 a.m.

9645 LLH Oslo, Norway, 9-10 p.m.

XGOY Szechwan, China, 1-3, 8-9:30 a.m.

JLT-2 Tokyo, Japan, "Japanese propaganda sta."

9650 European Revolution Station, 2-4:6:7 and 12 p.m.

DIW Berlin, Germany, 3:15-4:30 a.m., 8:30-9:45 p.m., Th. 8:30-9:45 p.m.

HVI Vatican City, Su. 5:30 a.m., 8:30-9:45 p.m., Th. 8:30-9:45 p.m.

VLW-2 Perth, Australia, 9 a.m.

WCBX New York, N. Y., not in use.

WRCC New York, N. Y., New xmitter

9660 LRX Buenos Aires, Argentina, 5:30-6:45 a.m., 10:15 a.m.-11 p.m.

HHBM Port-au-Prince, Haiti, 7-8:30 a.m.

9665 Rome, Italy, 1-6:30 and 7-9:30 p.m.

9670 WRCA New York, N. Y., 4 p.m.-1 a.m.

IZR0-9 Rome, Italy, 8-11 p.m., "Facist propaganda sta."

KGFI San Francisco, Cal., 7-18 a.m.

9675 DFX Vienna, Germany, 10:40 a.m.-4:25 p.m., "Nazi propaganda sta."

Saigon, Fr. Indochina, 7:30-9:40 a.m.

9680 VLO5 Sydney, Australia, 7:15-8:05 a.m.

XEO Mexico City, Mexico, 5 p.m.-1:45 a.m.

9685 TQWA Guatemala City, Guat., 10:30 a.m.-1 p.m., 2:30-3:30 p.m.

9690 LRA-1 Buenos Aires, Argentina, 10:30 a.m.-1 p.m., 2:30-3:30 p.m.

GRX London, Gt. Britain, 5:40-9:40 p.m., 2-5 a.m., 11 a.m.-1:45 p.m., 2-5:45

9695 JHPI Singapore, St. Settlements, till 9:40 a.m.*

9705 JIE3 Tyureki, Taiwan, at 9:30 a.m., "Japanese propaganda sta."

9703 Fort de France, Martinique, 5:40-8 p.m.

9715 TL4NRH Heredia, Costa Rica, Tu., Th., Sa. 9-10 p.m., Su. 7-8 p.m.

9720 XGOA Chungking, China, 7-9 a.m.-11:30 p.m.

9730 CR970 Valparaiso, Chile, 7-9 a.m.-11:30 p.m.

9740 CSW7 Lisbon Portugal, 4:5-30 p.m., 5:45-8 p.m.

9750 "Radio Inconnu", France, 2:30 p.m., Anti-Vichi Sta. "

12R018 Rome, Italy, 9-10:30 p.m., "Facist propaganda station."

9775 ZRO "Radio", Iraq, 9 a.m. to 2 p.m.

9780 HNF Baghdad, Iraq, 9 a.m. to 2 p.m.

9800 OAX5C Peru, 7-11:30 a.m.

9810 HJG Barranquilla, Colombia, evenings

9815 "F. Rome, Italy, 2:20-5:40 a.m., noon-12:25 p.m., 1:50-2:30 p.m., 6-7:25 p.m., 8:25

9825 CPCM Havana, Cuba, 8 a.m.-mid.

9830 CR7BE Lourenco Marques, Mo-Zambique, 2-4 p.m.

9855 EAQ Madrid, Spain, 5-7:30 p.m., 7:45-8:50 p.m., 8:50-11 p.m.

9890 LSN-2 Buenos Aires, Argentina, occasionally 10-10:15 p.m.

9935 SVM Athens, Greece, Not heard since German occupation

10000 kcs. band

10110 XBHU Hermosillo, Mexico, till 6:40 p.m.

10035 DZB Prague, Bohemia, at 2:45 p.m.* "Nazi propaganda sta."

10040 XOZS "China", 6-9:30 a.m.

10050 SUV Cairo, Egypt, 12:30-1:30 p.m.

10055 XBHX Mexico City, Mexico, 6:10 a.m.

10135 HH3W Port-au-Prince, Haiti, 1-2, 7-9 p.m.

10140 OFM Leopoldville, Belg. Con., 1:40-2:45 p.m.

10170 FIA Douala, Fr. Cameroons, 5:45 a.m., "Radio Cameroons"

10220 PSH Rio de Janeiro, Brazil, 6-7 p.m., Fri. 7:7:30 p.m., Mo., Wed., Fri. 8-8:

10260 PMN Bandoeng, Java, 1:30 p.m.-2 a.m., 4:30-10:30 a.m., 6-7:30 p.m.

XGAP China, 7:30-9:30 a.m.

10290 DZC Berlin, Germany, 4:50-8:50 (Port.) 9:15-10:45 (Span.) "Nazi propaganda station."

10300 ORK Brussels, Belgium, 7:30-8:30 p.m. (Ger.)

10350 LSK Buenos Aires, Argentina

10400 YSPA San Salvador, El Salvador, 6:30-11 p.m.

10545 DZD Berlin, Germany, 4:50 p.m.-1 a.m.

10660 JIK2 Belize, Br. Honduras, Tu., Th., Sa. 1:30-2, 8:30-9 p.m.

10710 Youndou, Fr. Cameroons, 5:45 a.m.-3:30 p.m.

10950 FIOA Tananarive, Madagascar, 12:30-12:45 a.m., 10-11 a.m., 2:30-4 p.m.

10953 CR6RR Benguela, Angola, 2:30-3:30 p.m., "Radio Club Benguela"

10660 JVN Tokyo, Japan, 1:50-7:40 a.m., "Japanese propaganda sta."

11000 kcs. band

11000 PJP Bandoeng, Java, 10:30 p.m.-2 a.m., 4:30-10:3 a.m., 6-7:3 p.m.

11040 CSW6 Lisbon, Portugal, 12:3-30 p.m., Su. 10 a.m.-5:30 p.m.

11290 FTB Vanrae, Comeroon, at 3:10 a.m.

11402 HBO Geneva, Switzerland, 7:45-9:15 p.m.
 11460 COCY Havana, Cuba, noon-mid.
 11500 CLB-11 Havana, Cuba, evenings*
 11505 "Radio Libertad", Italy
 11515 PZX Paramaribo, Suriname, 6:30-7:30 p.m. on Mon. & Th.
 11560 RV - ? U.S.S.R.* 3-4 p.m.
 11600 PLN Bandoeng, Java, at 7 a.m.
 11610 IZRO-4 Rome, Italy
 11616 COK Havana, Cuba, noon to midnight
 11650 XGOK Canton, China, 7-9 a.m.
 11670 Andorra, "Radio Andorra", 6:30 a.m.
 RV - ? U.S.S.R.* 10-11:30 p.m.
 11690 RV - ? U.S.S.R.* 10-11:30 p.m.
 11700 CB1170 Santiago, Chile, 10 a.m.-2 p.m., "Radio Otto Becker"
 HF5A Panama City, Panama, 7:10-40 a.m., 5:10-45 p.m., Su. 6:10-45 p.m.
 IQY Rome, Italy, 5:20-5:40 a.m., 1:50-2:30 p.m., "Facist propaganda sta."
 CFA-19 Colonia, Uruguay, evenings
 CBFY Montreal, Quebec, 6 a.m.-mid.
 11705 SLP Stockholm, Sweden, 1:45-2:15 a.m., 1:4-15 p.m., 8-9 p.m.
 JLG-3 Tokyo, Japan, "Japanese propaganda sta."
 RV - ? U.S.S.R.* 3-3:20 p.m.
 W.LWO Cincinnati, Ohio, 8:30p.m.-mid.
 11710 VLG3 Melbourne, Australia 12:56-1:40 a.m.
 11715 HSP5 Bangkok, Thailand, 8:58-10 a.m.
 11718 CR7BH Lourenco Marques, Mozambique, 12-1 a.m., 4:30-6:30, 9:30-11 a.m., 12-4 p.m., Su. 4:7 a.m., 10 a.m.-2 p.m.
 11720 ZPAJ Asuncion, Paraguay, 6:45-7:45 p.m., "Radio Difusora del Telefono"
 11725 JWS Tokyo, Japan, 9:19:30 a.m., "Japanese propaganda sta."
 117300 OQ2AA Leopoldville, Belgian Congo, 5:55-7:15 a.m. & 1:55-2:45 p.m.
 WRUW Boston, Mass., 6-7:45 p.m., 8-10:15 p.m.
 11737 DX-C-2 Lambeter, Norway, until 4:30 p.m., "Nazi propaganda sta."
 11740 HVT Vatican City, Su. & Th. 8-9:30p.m.
 CB1174 Santiago, Chile, 6-11 p.m., Su. 6:10-30 p.m., "Radio Huccke"
 CR6RC Loanda, Angola, 6:30:7:45 a.m., Tu., We., Sat. at 3:30 p.m., Su. 12:30-1 p.m.
 11750 GSD London, Gt. Britain, 6-7 a.m., 4:15-11:45 p.m.
 11760 IZRO15 Rome, Italy, 11:40 a.m.-2:40 p.m., 3-3:30 p.m., 5:30-6 p.m.
 VLR8 Melbourne, Australia, at 3:30 a.m.
 RV - ? U.S.S.R.* 10:30 a.m. to noon
 XCDN Shanghai, China, 6-10 a.m.
 11765 "Radio Kizora" Sao Paulo Brazil, 7:30-10:15 p.m.
 11770 DJD Berlin, Germany, 10:30 a.m.-4:30 p.m., 4:50-11 p.m., "Nazi propaganda station."
 ZTE Durban, So. Africa, mornings
 11775 MTCY Hsingking, Manchukuo, 16:30-2:20 a.m., 9:50-10:55 a.m., 4:4-50 p.m.
 11780 RV Sagro Fr. Indo China, 6-9:30 a.m., 10:30-11 a.m., 7:7:20 a.m., "Axits propaganda station."
 HP5G Panama City, Panama, Noon-1 p.m., 6-10 p.m.
 11845 Vichy, France
 11790 OFE Helsinki, Finland, 1:15 p.m. to 8 p.m.
 WROL Boston, Mass., 3-5:45 p.m.
 COCF Matanzoo, Cuba, evenings
 11800 JZI Tokyo, Japan, 6:30-9:30 a.m., 6:16:30 p.m., "Japanese propaganda station"
 DJZ, Berlin, Germany, 3:30-4 p.m., "Nazi propaganda stat."
 11810 IZRO4 Rome, Italy, 4:30-9 a.m., 10 a.m.-2 p.m., 6:7:25 p.m., 7:30-9 p.m., "Facist station."
 11815 JYZ Tokyo, Japan, 6:30-9:30 a.m.
 11820 GSN London, Gt. Britain, 6-10:30 a.m., 12:15-1:15 p.m.
 RV - ? U.S.S.R.* 10-11:30 p.m.
 11825 CFA14 Colonia, Uruguay, 3:30-9:20 p.m.
 11826 YBB Buenos Aires, Argentina, 4-4:30 p.m.
 11830 WCBY Hermosillo, Mexico, 10 a.m.-4 p.m., 8-10:30 p.m.
 WCBX New York, N. Y., not in use.
 WUV4 Delhi, India, 9:05 p.m.-mid., 1-4:25 a.m., 6:30 a.m.-12:15 p.m.
 WCBZ Perth, W. Africa, 1-5 a.m.
 WCRN New York, N. Y., 1-3:50 p.m., 6:30-10:45 p.m.
 WCRN New York, N. Y.
 11840 VLR7 Melbourne, Australia, at midnight and early morning.
 GSW Lisbon, Portugal, 11:30 a.m.-1:30 p.m.
 11845 Vichy, France, at 11:15-11:30 p.m.
 11850 VLR3 Melbourne, Australia, 3:30 p.m.-2:15 a.m., 6:55-7 a.m.
 11855 XMHA Shanghai, China, 11 p.m.-1 a.m., 5-11 a.m.
 DJP Berlin, Germany, 12:05-2 a.m., 4:50-10:50 p.m., "Nazi propaganda sta."
 11860 GSE London, Gt. Britain, 5:40-10:30 a.m., 10:55 a.m.-1 p.m.
 11865 HERS Berne, Switzerland, 8-8:30 a.m.
 11870 WBOS Boston, Mass., 2 p.m.-mid.

V.L.G.-5 Sydney, Australia, 7-7:30 p.m.
 11880 JZJ Tokyo, Japan, 12-1:30 a.m., 7-9:30 a.m., 2-4 p.m., "Japanese propaganda COGF Matanzas, Cuba, 9 a.m.-11:30 p.m.
 VLG-5 Sydney, Australia, 12:55 a.m.-1:45 p.m., 10:25-11:10 a.m., 2-2:30 p.m.
 Berlin, Germany, afternoons, "Nazi propaganda sta."
 11890 WNB1 New York, N. Y., 8:15 p.m. to 1 a.m.
 11895 XEA-10 Montevideo, Uruguay, Mo., We., Fr., 3-4 p.m., 9 p.m.-mid.
 11900 CD-1190 Valdivia, China, 1 a.m.-1 p.m., 5:10:30 p.m., "Radio Sur"
 11900 CD-1190 Valdivia, China, 1 a.m.-1 p.m., 5-10:30 p.m.
 11920 Italy, "Radio Italia" 2:2-50 p.m., 4-4:30 p.m., 6-6:28 p.m., "Anti-Axis station."
 11930 XCDN Shanghai, China, 5:45-6 p.m., 9 p.m.
 11945 FZI Brazzeville, Fr. W. Africa, "Radio Brazzeville" 2:30-4 p.m., 10-11 p.m.
 11960 New, U.S.S.R. 3-4 p.m.
 11975 OB1180 Santiago, Chile, 7-8 a.m., 4:50-11 p.m.
 ? U. S. S. R. 10-11:30 p.m.
 11980 IRS, Shanghai, China, 5-7:45 a.m., "Facist propaganda sta."
12000 kes. band
 RNE Moscow, U.S.S.R., 6-8 p.m.
 Brazzeville, Fr. W. Africa "Radio Club" 15 min. periods 1 a.m., 3:40 p.m.
 12030 XGRS Shanghai, China, 5:45-10 a.m.
 12040 GRV London, Gt. Britain, 7:15-8:15 a.m., 4-4:15 p.m., 4:30-5 p.m., also Noon:1:15 p.m.
 XGRS Shanghai, China, 5:45-10 a.m.
 12115 ZNR Aden, Arabia, 11:45 a.m.-12:45 p.m.
 12120 TPZ Algiers, Algeria, "Radio Algiers", 4-6 p.m.
 12210 RV - ? U.S.S.R. until 11 p.m.
 12235 TFI Reikiavik, Iceland, Sun. afternoons
 12450 HCJB Quito, Ecuador, 5:10-30 p.m.
 12480 "Radio Club", Brazzeville, Fr. Eq. Africa, 1, 2, 3, 5:30, 7:30, 8:30
 12490 HI-1N San Pedro, D. R. till 9:10 p.m.
 Radio Levant, Beirut, Syria, 6-7 p.m.
13000 kes. band
 13066 Reval, Estonia, "Radio Reval", at 3 p.m.
 13355 Dakar, Fr. W. Africa, at 8:15 a.m., 2-4 p.m., "Nazi propaganda station"
 13900 YNDG Leon, Nicaragua, Su. 2:50 p.m.*
14000 kes. band
 14400 Ponta Degada, Azores, not in use.
 14460 DZH Berlin, Germany, 4-8 a.m., "Nazi propaganda sta."
 14600 JVH Tokyo, Japan, 7-8 a.m., "Japanese propaganda sta."
 14630 PLJ Bandoeng, Java, We. 6:45-8:15 p.m., 8:40-10:15 p.m.
 14635 HBJ Geneva, Switzerland, 7:10-50 p.m.
 14680 CMB-4 Havana, Cuba, 6-7:05 p.m.
 14690 PSF Rio de Janeiro, Brazil, 4:30-5 a.m.
 14795 IQA Rome, Italy, "Japanese propaganda sta."
 14920 KQH Kahoku, Hawaii, Sa. 8:30-9 p.m., Su. 9:30 p.m.*
 14940 PSE Rio de Janeiro, Brazil, 6-7 p.m., Th. 3-3:30 p.m.
15000 kes. band
 15040 RKL Moscow
 15105 JLG-4 Tokyo, Japan, 6-6:30 p.m., "Japanese propaganda station"
 15110 DJL Berlin, Germany, 12-2 a.m., 10:40 a.m.-4:25 p.m., "Nazi propaganda station."
 15120 CSW-4 Lisbon, Portugal, 7-9 a.m.
 HVJ Vatican City, Tu. 8:30-9 a.m., 10-10:30 a.m., Su. 1-1:30 p.m., We. 8:30-9 p.m.
 Athlone, Ireland, "Radio Eitran" 12:30-1 p.m. & 6:30 a.m.
 DXH-2 Berlin, Germany, 6-11 a.m., "Nazi propaganda sta."
 WRUL Boston, Mass., 7:15-11 p.m.
 RV - ? U.S.S.R., 6-11 p.m.
 15135 JLU-3 Tokyo, Japan, 8-9:30 a.m., "Japanese propaganda sta."
 15140 GSF London, Gt. Britain, 7:15-11:30 a.m.
 15150 WNB1 New York, N. Y.
 15150 EAJ-43 Canary Islands, around 5:30 p.m.
 YDC Bandoeng, Java, 10:30 p.m.-2 a.m., 4:30-10:30 a.m., 6-7:30 p.m.
 15155 SBT Motala, Sweden, 6-7 a.m., 1-1:45 p.m., 8-9 p.m.
 15160 DXS Berlin, Germany, till 10:45 a.m., "Nazi propaganda sta."
 15165 CP43 Tupiza, Bolivia, 6-9:30 p.m., "Radio Tupiza"
 PRE9 Fortaleza, Brazil, 8:40-11 a.m.
 15170 TCUA Guatemala City, Guat., 12:45-2 p.m.
 15175 OQ2AA Leopoldville, Bel. Con., 1:55-2:15 p.m., 5:55-7:15 a.m.

AM Station List

HIGH FIDELITY STATIONLESS STATIONS

Beneath the frequency in kilocycles are given the call, location, coverage (or power), owner, type of station, and schedule if known. (CP) Construction permits granted for commercial station; (E) Educational broadcasting station; and (X) Experimental broadcasting station.

- 42100 kcs.**
WYNE, New York, N. Y. —, Board of Education (E)
- 42300 kcs.**
System (E), San Diego, Calif. —, Unified School
- 42500 kcs.**
WBEZ, Chicago, Ill., Board of Education (E)
- 42600 kcs.**
W1XX, Hull, Mass., 100 watts, Westinghouse Electric Co. (X)
- 42700 kcs.**
W1ASN, E. Springfield, Mass., 1000 w., Westinghouse Electric Co. (X)
- 42800 kcs.**
W3XMC, Washington, D. C., 1000 w., Mc Nary & Chambers (X)
- 42900 kcs.**
W8XAD, Rochester, N. Y., 250 w. WHEC, Inc. (X)
- 43000 kcs.**
W2XMN, Alpine, N. J., 1000 w., Maj. Armstrong (X)
- 43100 kcs.**
W1UC, Urbana, Ill., —, Univ. of Illinois (E)
- 43200 kcs.**
W2XQR, Long Island City, N. Y., 1000 w. J. V. L. Hogan (X)
- 43300 kcs.**
W3XO, Washington, D. C., 1000 w., Jansky & Bailey (X)
- 43400 kcs.**
W8XFM, Cincinnati, Ohio, 1000 w., Crosley Radio Corp. (X)
- 43500 kcs.**
W1XTC, Worcester, Mass., 1000 w., Worcester Telegram (X)
- 43700 kcs.**
K37LA, Los Angeles, Calif., 38000 sq. mi., Earle C. Anthony (CP)
- 43900 kcs.**
W2XWC, New York, N. Y., 1000 watts, National Brest. Co. (X) Wed. to Sun. 3-11 p.m.
- 44100 kcs.**
W41MM, Winston Salem, N. C., 69400 sq. mi., Gordon Gray (CP)
- 44300 kcs.**
W43B, Boston, Mass., 19230 sq. mi., Yankee Network. (C) 8 am.-mid.
- 44500 kcs.**
K45LA, Los Angeles, Calif., 6944 sq. mi., Don Lee System (CP) 3 pm.-3 am.
- 44700 kcs.**
K45SF, San Francisco, Calif., 10800 sq. mi., Hughes Tool Co.
- 44900 kcs.**
W3XEZ, Camden, N. J., 1000 watts, RCA Mfg. Co., Inc. (X)
- 45100 kcs.**
K51L, St. Louis, Mo., 1300 sq. mi., St. Louis University. (CP)
- 45300 kcs.**
Baton R. Brest. Corp. 10:30 am.-12:30 pm., W53D, Detroit, Mich., 6800 sq. mi., Groov will Station (CP)

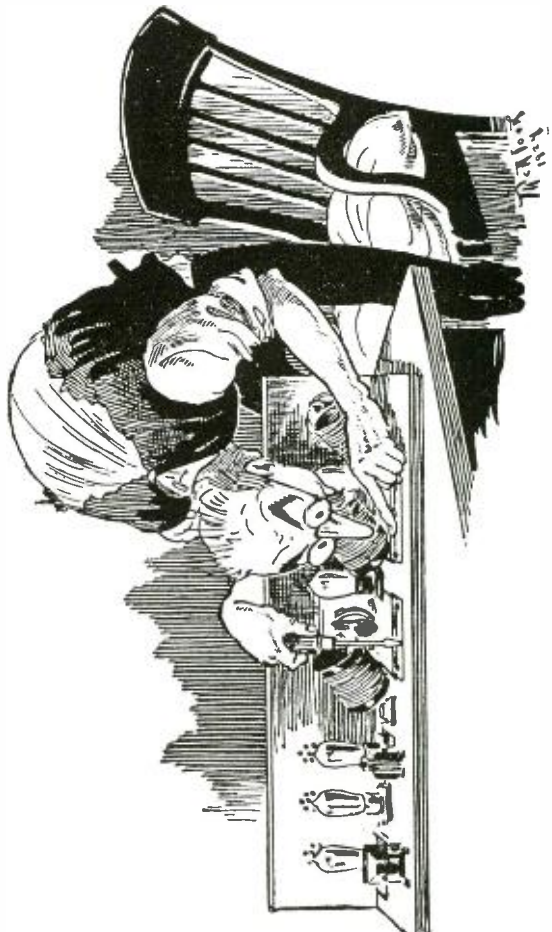
- 15180 RV96 Moscow, U.S.S.R., 10-10:50 a.m., 7:30-8 p.m., 9-10 p.m.
- GSO London, Gt. Britain, 7:15-8:15 a.m.
- DJO Berlin, Germany, 21:30-2:45 p.m., "Nazi propaganda."
- 15190 OIE Helsinki, Finland, 1-15 p.m. to 9 p.m.
- XGOX Szechwan, China, 8:30-9:30 p.m., 10-11:05 p.m.
- 15195 TAO Ankara, Turkey, 6-6:30 a.m.
- 15200 DJB Berlin, Germany, 6-8:45 a.m., 11:30, 11:45 a.m., 12:30-12:45 p.m., 4:50-11:30 p.m., "Nazi propaganda."
- 15210 RV96 Moscow, U.S.S.R., 6-8 p.m.
- 15220 PCF-2 Amsterdam, Netherlands, 6:30-10:45 a.m., 3-10:45 p.m.
- 15225 JLT-3 Tokyo, Japan, 10-11 p.m., "Japanese propaganda sta."
- 15230 L2RO-14 Rome, Italy, at noon "Facist propaganda sta."
- 15230 VLG-6 Sydney, Australia, hrd. after midnight
- New, U.S.S.R., 6-7 p.m.
- 15240 Vichy, France, 8:30-9 a.m., 9:15-9:45 a.m., "Pro-Axis station"
- 15242 RV. - New, U.S.S.R. until 3 p.m.
- 15250 CR7BD Lourenzo Marques, Mozambique, 4:30-6:30 a.m., 9:30-11 a.m. Noon-4 p.m.
- DXT Berlin, Germany, "Nazi propaganda sta."
- W1WO Cincinnati, 8-11 a.m.
- WRUL Boston, Mass., 10 a.m.-6 p.m.
- 15260 GSI London, Gt. Britain, 10:30-10:45 a.m. Sun.
- 15265 RV. - New, U.S.S.R. until 3 p.m.
- 15270 WCAP Philadelphia, Pa., 1-6 p.m.
- WCBX New York, N. Y., not in use
- RV. - New, U.S.S.R. until 3 p.m.
- 15280 DJO Berlin, Germany, 12:05-11:10 a.m., "Nazi propaganda sta."
- 15287 RV. - New, U.S.S.R. until 3 p.m.
- 15290 VUD3 Delhi, India, 9-05 p.m.-mid., 1-4:25 a.m.
- 15290 LRU Buenos Aires, Argentina, 8-10 a.m.
- 15295 RV. - New, U.S.S.R. Sunday morning
- 15300 L2RO-6 Rome, Italy, Noon-1:15 p.m., "Facist propaganda sta."
- CXA-13 Montevideo, Uruguay
- MTCY Hainking, Manchukuo, 3:3-50 p.m., "Japanese propaganda sta."
- 15315 WLO3 Sydney, Australia,
- 15320 WRUL Boston, Mass.,
- YDB Soerabaja, Java, 4:30-10:30 a.m., 6-7:30 p.m.
- WRUV Boston, Mass., afternoons
- 15325 JLT3 Tokyo Japan, 9:10-10 p.m., "Japanese propaganda sta."
- 15330 WGEA Schenectady, N. Y., till 3 p.m.
- KGEI San Francisco, Calif., 8 p.m.-1 a.m.
- 15427 ?, U.S.S.R. until 3 p.m.
- 15590 L2RO-17 Rome, Italy, at 7:45 a.m., "Facist propaganda sta."
- 16200 RV. - Moscow, U.S.S.R., Su. 10-11 a.m.
- 16300 DJO Berlin Germany, 12:05-11:10 a.m., 4:50-8:59 p.m. (Port.) "Nazi prop."
- 15300 L2RO-6 Rome, Italy, Noon-1:15 p.m., 8-11 p.m., "Facist prop. sta."
- 15330 WGEA Schenectady, N. Y., 11:15 a.m.-6 p.m.
- 17000 kcs. band**
- 17750 WRUL Boston, Mass., Noon-2:45 p.m., ex. Sa. 10:30 a.m.-1:30 p.m. & Su.
- 17760 DJE Berlin, Germany, "Nazi propaganda sta."
- 17780 WRCA New York, N. Y., 9 a.m.-6:15 p.m.
- 17790 GSG London, Great Britain
- 17795 JLU-4 Tokyo, Japan, "Japanese propaganda station."
- 17800 OIH Helsinki, Finland, not in use
- TGWA Guatemala City, Guatemala, not in use
- W1WO Cincinnati, Ohio
- 17810 GSV London, Great Britain, mornings
- 17820 L2RO-8 Rome, Italy, "Facist propaganda sta."
- 17830 LRA-5 Buenos Aires, Argentina Fr. at 4 p.m.
- 17840 WCBX New York, N. Y., 3-6 p.m., 6:30 p.m.-mid.
- HVI Vatican City
- 17840 Athlone, Eire, 12:30-1:15 p.m.
- 17890 GRP London, Great Britain, 6-11:30 a.m. (Sp.)
- 19590 L2RO-17 Rome, Italy, "Facist propaganda sta."
- 21000 kcs. band**
- 21470 GSH London, Great Britain, mornings
- 21500 WGEA Schenectady, N. Y., 8-11 a.m.
- WCBX New York, N. Y., 3-6 p.m., 6:30 p.m.-mid.
- WCRC, New York, N. Y., not in use
- 21530 GSJ London, Great Britain
- 21540 WBOB Boston, Mass.
- 21550 OII Helsinki, Finland, not in use
- 21565 DJJ Berlin, Germany, "Nazi propaganda sta."
- 21570 WCBX New York, N. Y., 7 a.m.; 2:30 p.m.
- WCRG New York, N. Y., not in use
- 21570 WCRG New York, N. Y., not in use
- 21570 WRCA New York, N. Y.
- 21570 GSP London, Gr. Britain, 10-10:55 a.m., 2:30-5 p.m.
- RV97 Novosibirsk, U.S.S.R. until 4 p.m.
- HAD Budapest, Hungary, "Nazi propaganda sta."

VISUAL BROADCASTING STATIONS, ALPHABETICALLY BY NAMES OF STATIONS (1931)

Location of transmitter	Call signal	Frequency in kilocycles, wave length (meters) in parentheses	Power (watts in antenna)	Licenses and address
California: Carndena (near)	W6XS	2,100 (142.9) to 2,200 (136.4)	500	Don Lee (Inc.), 1078 West Seventh Street, Los Angeles, Calif.
Illinois: Chicago	W9XAA	2,000 (150) to 2,100 (142.9), 2,750 (109.1) to 2,850 (105.3)	1,000	Chicago Federation of Labor.
Do	W9XAO	2,000 (150) to 2,100 (142.9)	500	Western Television Corporation, 6512 Broadway.
Do	W9XAP	2,100 (142.9) to 2,200 (136.4)	2,500	Chicago Daily News.
Downers Grove	W9XKR	2,850 (105.3) to 2,950 (101.7)	5,000	Great Lakes Broadcasting Co., 72 West Adams Street, Chicago, Ill.
Indiana: West Lafayette	W9XG	2,750 (109.1) to 2,850 (105.3)	1,500	Purdue University, 406 Nichols Laboratories, 1919 Washington, D. C.
Maryland: Silver Spring	W3XK	2,000 (150) to 2,100 (142.9)	5,000	Jenkins Laboratories, 1919 Washington, D. C.
Massachusetts: Boston	W1XAV	2,850 (105.3) to 2,950 (101.7)	1,000	Shortwave & Television Laboratory (Inc.).
New Jersey: Allwood	W2XCP	2,000 (150) to 2,100 (142.9), 2,850 (105.3) to 2,950 (101.7)	2,000	Freed-Eisenmann Radio Corporation, 4444 Street and Liberty, New York, New York, N. Y.
Camden	W3XAD	2,100 (142.9) to 2,200 (136.4), 43,000 (6.97) to 46,000 (6.52), 48,500 (6.18) to 50,300 (5.96), 60,000 (5) to 80,000 (3.75)	500	K. V. A. Victor Co. (Inc.).
Passaic	W2XCD	2,000 (150) to 2,100 (142.9)	5,000	De Forest Radio Co.
New York: Beacon Island	W2XBU	do	100	Harold F. Smith.
Long City	W2XBO	2,750 (109.1) to 2,850 (105.3)	500	United Research Corporation, 39 Van Pelt Avenue, Radio Pictures (Inc.), 304 Northern Boulevard.
Do	W2XR	2,100 (142.9) to 2,200 (136.4), 2,850 (105.3) to 2,950 (101.69), 43,000 (6.98) to 46,000 (6.52), 48,500 (6.19) to 50,300 (5.96), 60,000 (5) to 80,000 (3.75)	500	Atlantic Broadcasting Corporation, 485 Madison Avenue.
New York	W2XAB	2,750 (109.1) to 2,850 (105.3)	500	National Broadcasting Co. (Inc.), 711 Fifth Avenue.
Do	W2XBS	2,100 (142.9) to 2,200 (136.4)	5,000	Jenkins Television Corporation, 346 Claremont Avenue.
Do	W2XCR	2,000 (150) to 2,100 (142.9)	20,000	General Electric Co.
Schenectady	W2XCW	2,100 (142.9) to 2,200 (136.4)	20,000	Westinghouse Electric & Manufacturing Co.
Pennsylvania: East Pittsburg	W8XAV	do	25,000	Do.
Do	W8XT	660 (455)	43,000 (6.97) to 46,000 (6.52)	Do.
Wisconsin: Milwaukee	W9XD	48,500 (6.18) to 50,300 (5.96), 60,000 (5) to 80,000 (3.75)	500, 500	The Journal Co. (Milwaukee Journal).
PORTABLE				
Massachusetts: Boston	W1XG	43,000 (6.97) to 46,000 (6.52), 48,500 (6.18) to 50,300 (5.96), 60,000 (5) to 80,000 (3.75)	30	Shortwave & Television Corporation, 70 Brookline Avenue.
New Jersey: Passaic	W2XAP	2,000 (150) to 2,100 (142.9)	250	Jenkins Television Corporation.
Bound Brook	W3XAK	2,100 (142.9) to 2,200 (136.4)	5,000	National Broadcasting Co. (Inc.).
New York State	W2XBT	43,000 (6.98) to 46,000 (6.52), 48,500 (6.18) to 50,300 (5.96), 60,000 (5) to 80,000 (3.75)	750	Do.
United States (throughout)	W10XG	do	500	De Forest Radio Co.

W67C, Chicago, Ill., 10800 sq. mi., Columbia Broadcasting System (C) 4-10 pm.
W67NY, New York, N. Y., 8500 sq. mi., Columbia Broadcasting System (C) testing.
46900 kcs.
W69PH, Philadelphia, Pa., 9300 sq. mi., WCAU, Inc. (C)
47100 kcs.
W71NY, New York, N. Y., 8500 sq. mi., Bamberger Brst. Corp. 8 am.-11:30 pm.
W71RF, Rockford, Ill., 3900 sq. mi., Rockford Broadcasters (CP)
W71SB, South Bend, Ind., 4300 sq. mi., So. Bend Tribune (CP)
47300 kcs.
W73D, Detroit, Mich., King-Trendall Co., 688 sq. mi. (CP)
47500 kcs.
W75C, Chicago, Ill., 10800 sq. mi., Moody Bible Institute (CP)
W75NY, New York, N. Y., 8500 sq. mi., Metropolitan Telev. Co. (CP)
W75P, Pittsburgh, Pa., 8400 sq. mi., Westinghouse Electric Co. (CP)
47700 kcs.
W77XL, Lansing, Mich., 3800 sq. mi., WJIM, Inc. (CP)
47900 kcs.
W59C, Chicago, Ill., 1080 sq. mi., Metro Goldwyn Meyer (CP)
48100 kcs.
W81PH, Philadelphia, Pa., 9300 sq. mi., Seaboard Radio Co. (CP)
W81SP, Springfield, Mass., 2500 sq. mi., Westinghouse Electric Co. (CP)
49100 kcs.
W3XPY, Whippany, N. J., Bell Telephone Labs. (X)
49900 kcs.
W99NY, New York, N. Y., 8500 sq. mi., Frequency Brst. Co. (CP)

W53HI, Hartford, Conn., 6100 sq. mi., Travelers Brst. Service (CP)
W53PH, Philadelphia, Pa., 9300 sq. mi., WFIL, Inc. (C)
Indianapolis, Ind., 13640 sq. mi., Indianapolis Brst. Corp. (C)
45500 kcs.
W55M, Milwaukee, Wis., 8540 sq. mi., The Journal Co. (C)
W55NY, New York, N. Y., 8500 sq. mi., Wm. G. N. Finch (CP)
W2XOY, New Scotland, N. Y., until 10 pm. (X)
W57A, Albany, N. Y., 6589 sq. mi., General Electric Co. (C)
45700 kcs.
W57PH, Philadelphia, Pa., 9300 sq. mi., Westinghouse Electric Co. (CP)
45900 kcs.
K59L, St. Louis, Mo., 1300 sq. mi., CBS, Inc. (CP)
W59C, Chicago, Ill., 10800 sq. mi., WGN, Inc. (C) 7 am.-1 am.
W59NY, New York, N. Y., 8500 sq. mi., Interstate Brst. Corp. (CP)
46100 kcs.
K61LA, Los Angeles, Calif., 7000 sq. mi., Metro Goldwyn Mayer (CP)
46300 kcs.
W63C, Chicago, Ill., 10800 sq. mi., National Broadcasting Co. (C)
W63NY, New York, N. Y., 8500 sq. mi., Marcus Lowe Agency (CP)
W63SY, Syracuse, N. Y., 6800 sq. mi., Central N. Y. Brst. Co. (CP)
46500 kcs.
W65H, Hartford, Conn., 6100 sq. mi., WDRG, Inc. (C) 2-11 pm., 1500 watts, (X)
46700 kcs.
W67B, Boston, Mass., 6700 sq. mi., Westinghouse Electric Co. (CP)



Standard Stations Of The United States 1946

Key to Abbreviations: C.P.—Construction Permit; d—daytime; n—night.

Call Letters	City	Frequency in Kilocycles	Power in Watts
KABC	San Antonio, Texas	1450	250
KABR	Aberdeen, S. D.	1420	5000
KADA	Ada, Okla.	1230	250
KALB	Alexandria, La.	580	1000
KALE	Portland, Ore.	1330	5000
KALL	Salt Lake City, Utah	910	1000
KAMD	Camden, Ark.	1450	250 C.P.
KAND	Corsicana, Texas	1340	250
KANS	Wichita, Kans.	1240	250
KAPT	North Little Rock, Ark.	1450	250 C.P.
KARK	Little Rock, Ark.	920	5000
KARM	Fresno, Calif.	1430	5000
KASA	Elk City, Okla.	1240	100
KAST	Astoria, Ore.	1230	250
KATE	Albert Lea, Minn.	1450	250
KAVE	Carlsbad, N. M.	1240	250
KBIX	Muskogee, Okla.	1490	250
KBIZ	Ottumwa, Iowa	1240	250
KBKR	Baker, Ore.	1490	250
KBND	Bend, Ore.	1340	250
KBNE	Boulder City, Nev.	1450	250
KBON	Omaha, Neb.	1490	250
KBFS	Portland, Ore.	1450	100
KBST	Big Spring, Texas	1490	100
KBTM	Jonesboro, Ark.	1230	250
KBUR	Burlington, Iowa	1490	250
KBWD	Brownwood, Texas	1380	1000 d., 500 n.
KCKN	Kansas City, Kans.	1340	250
KCMC	Texasarkans, Texas	1230	250
KCMJ	Palm Springs, Calif.	1340	250
KCMO	Kansas City, Mo.	1480	1000
KCOK	Tulare, Calif.	1240	250
KCOR	San Antonio, Texas	1350	1000 C.P.
KCOW	Ellensburg, Wash.	1240	250
KCRA	Sacramento, Calif.	1340	250 C.P.
KCRC	Enid, Okla.	1390	1000
KCRS	Midland, Texas	1230	250
KDAL	Duluth, Minn.	610	1000
KDB	Santa Barbara, Calif.	1490	250
KDFN	Casper, Wyo.	1470	1000
KDKA	Pittsburgh, Pa.	1020	50000
KDLR	Devils Lake, N. D.	1240	250
KDNT	Denton, Texas	1450	250
KDON	Monterey, Calif.	1240	250
KDRD	Sedalia, Mo.	1490	250
KDTH	Dubuque, Iowa	1370	1000
KDYL	Salt Lake City, Utah	1320	5000
KECA	Los Angeles, Calif.	790	5000
KELA	Centralia-Chehalis, Wash.	1470	1000
KELD	El Dorado, Ark.	1400	250
KELO	Sioux Falls, S. D.	1230	250
KENO	Las Vegas, Nev.	1400	250
KERN	Bakersfield, Calif.	1410	1000
KEVR	Seattle, Wash.	1090	250
KEX	Portland, Ore.	1190	5000
KEYS	Corpus Christi, Texas	1490	250
KFAB	Lincoln, Neb.	1110	10000
KFAC	Los Angeles, Calif.	1330	1000
KFAM	St. Cloud, Minn.	1450	250
KFAR	Fairbanks, Alaska	610	10000
KFBB	Great Falls, Mont.	1310	5000
KFBC	Cheyenne, Wyo.	1240	250
KFBI	Wichita, Kans.	1070	3000 d., 1000 n.
KFBK	Sacramento, Calif.	1530	10000
KFDA	Amarillo, Texas	1230	250
KFDM	Beaumont, Texas	560	1000
KFEL	DeVet, Colo.	950	5000
KFEQ	St. Joseph, Mo.	680	5000
KFFA	Helena, Ark.	1490	250
KFGG	Boone, Iowa	1260	250
KFH	Wichita, Kans.	1330	5000
KFI	Los Angeles, Calif.	610	30000
KFIO	Spokane, Wash.	1230	250
KFIZ	Fond-Du-Lac, Wis.	1450	250
KFJB	Marshalltown, Iowa	1230	250
KFJI	Klamath Falls, Ore.	1210	100
KFJM	Grand Forks, N. D.	1440	1000
KFJZ	Fort Worth, Texas	1270	5000
KFKA	Greeley, Colo.	010	1000
KFKU	Lawrence, Kans.	1250	5000 d., 1000 n.
KFLW	Klamath Falls, Ore.	1450	250
KFNF	San Diego, Calif.	1450	250
KFOR	Shenandoah, Iowa	920	1000 d., 500 n.
KFOX	Lincoln, Neb.	1210	250
KFPW	Long Beach, Calif.	1280	1000
KEPY	Fort Smith, Ark.	1400	250
KFQD	Spokane, Wash.	920	5000
KFRG	Anchorage, Alaska	790	1000
KFRE	San Francisco, Calif.	610	5000
KFRS	Fresno, Calif.	1340	250
KFRU	Longview, Texas	1370	1000
KFRU	Columbia, Mo.	1400	250
KFSD	San Diego, Calif.	600	1000
KFSG	Los Angeles, Calif.	1150	2500 d., 1000 n.
KFUN	Las Vegas, N. M.	1230	250
KFUO	St. Louis, Mo.	850	5000
KFVD	Los Angeles, Calif.	1020	1000
KFVS	Cape Girardeau, Mo.	1400	250
KFWB	Los Angeles, Calif.	980	5000
KFXD	Nampa, Idaho	1230	250
KFXJ	Grand Junction, Colo.	920	1000 d., 500 n.
KFXM	San Bernardino, Calif.	1240	250

KFYO	Lubbock, Texas	1340	250	KIUN	Pecos, Texas	1400	100
KFYR	Bismarck, N. D.	550	5000	KIUP	Durango, Colo.	1400	250
KGA	Spokane, Wash.	1310	10000	KJBS	San Francisco, Calif.	1100	500
KGAK	Gallup, N. M.	1230	250	KJR	Seattle, Wash.	950	5000
KGB	San Diego, Calif.	1360	1000	KLAC	Los Angeles, Calif.	570	1000
KGBS	Harlingen, Texas	1240	250	KLEB	La Grande, Ore.	1450	250
KGBX	Springfield, Mo.	1260	5000	KLCN	Blytheville, Ark.	900	1000
KGCU	Mandan, N. D.	1270	250	KLIZ	Brainerd, Minn.	1400	250 C.P.
KGCX	Sidney, Mont.	1480	1000	KLO	Ogden, Utah	1430	5000
KGDE	Fergus Falls, Minn.	1230	250 d., 100 n.	KLPM	Minot, N. D.	1390	1000
KGDM	Stockton, Calif.	1140	5000	KLEA	Little Rock, Ark.	1010	10000 d., 5000 n.
KGDK	Sterling, Colo.	1230	250	KLUF	Galveston, Texas	1400	250
KGER	Long Beach, Calif.	1390	5000	KLX	Oakland, Calif.	910	1000
KGEZ	Kalispell, Mont.	1340	100	KLZ	Denver, Colo.	560	5000
KGFF	Shawnee, Okla.	1450	250	KMA	Sitka, Alaska	960	5000
KGFJ	Los Angeles, Calif.	1230	100	KMAC	San Antonio, Texas	1240	250
KGFL	Rosewell, N. M.	1400	100	KMBC	Kansas City, Mo.	980	5000
KGFV	Kearney, Neb.	1340	250	KMED	Medford, Ore.	1440	1000
KGFZ	Pierre, S. D.	630	200	KMJ	Fresno, Calif.	580	5000
KGGF	Coffeyville, Kans.	690	1000 d., 500 n.	KMLB	Monroe, La.	1230	250
KGGM	Albuquerque, N. M.	1260	1000	KMMJ	Grand Island, Neb.	750	1000
KGHF	Pueblo, Colo.	1350	1000 d., 500 n.	KMO	Tacoma, Wash.	1360	5000
KGHI	Little Rock, Ark.	1230	250	KMOX	St. Louis, Mo.	1120	50000
KGHL	Billings, Mont.	790	5000	KMPC	Los Angeles, Calif.	710	10000
KGIB	Butte, Mont.	1370	5000	KMYC	Marysville, Calif.	1450	250
KGIW	Alamosa, Colo.	1450	250	KMYR	Denver, Colo.	1340	250
KGKB	Tyler, Texas	1490	250	KNAK	Salt Lake City, Utah	1400	250
KGKL	San Angelo, Texas	1400	250	KNEL	Brady, Texas	1490	250 d., 100 n.
KGKY	Fort Worth, Texas	570	5000	KNET	Palestine, Texas	1450	100
KGLO	Scottsbluff, Neb.	1490	250	KNOE	Monroe, La.	1450	250
KGLU	Mason City, Iowa	1300	5000	KNOW	Austin, Texas	1400	250
KGMB	Honolulu, Hawaii	590	5000	KNX	Los Angeles, Calif.	1070	50000
KGNC	Amardillo, Texas	1440	5000 d., 1000 n.	KOAC	Corvallis, Ore.	550	5000 d., 1000 n.
KGNO	Dodge City, Kans.	1370	1000 d., 250 n.	KOAL	Price, Utah	1450	250
KGO	San Francisco, Calif.	810	7500	KOAM	Pittsburgh, Kans.	810	1000
KGRH	Fayetteville, Ark.	1450	250 C.P.	KOBA	Albuquerque, N. M.	770	5000
KGU	Honolulu, Hawaii	760	2500	KOCA	Kilgore, Texas	1210	250
KGVO	Misoula, Mont.	1290	5000 d., 1000 n.	KOCY	Oklahoma City, Okla.	1310	250
KGW	Portland, Ore.	620	5000	KODL	The Dalles, Ore.	1230	250 d., 100 n.
KGY	Olympia, Wash.	1240	250	KODY	North Platte, Neb.	1240	250
KHAS	Hastings, Neb.	1230	250	KOH	Reno, Nev.	630	1000
KHBC	Hilo, Hawaii	1230	250	KOIL	Omaha, Neb.	1290	5000
KHBB	Okmulgee, Okla.	1240	250	KOIN	Portland, Ore.	970	5000
KHJ	Los Angeles, Calif.	930	5000	KOKO	La Junta, Colo.	1400	250
KHMO	Hannibal, Mo.	1340	250	KOL	Seattle, Wash.	1300	5000
KHON	Honolulu, Hawaii	1400	250 C.P.	KOMA	Oklahoma City, Okla.	1520	5000
KHQ	Spokane, Wash.	590	5000	KOME	Tulsa, Okla.	1340	250
KHSL	Chico, Calif.	1290	1000	KOMO	Seattle, Wash.	1000	5000
KHUB	Watsonville, Calif.	1340	250	KONO	San Antonio, Texas	1400	250
KICA	Clovis, N. M.	1240	250	KONP	Port Angeles, Wash.	1450	250
KID	Spencer, Iowa	1240	250	KOOS	Coos Bay, Ore.	1230	250
KIDO	Boise, Idaho	1350	5000 d., 500 n.	KORE	Eugene, Ore.	1450	250
KIEM	Eureka, Calif.	1380	2500 d., 1000 n.	KOHN	Fremont, Neb.	1400	250
KIEN	Glendale, Calif.	1480	1000	KOTA	Rapid City, S. D.	1380	5000
KILO	Grand Forks, N. D.	870	250	KOTN	Pine Bluff, Ark.	1490	250
KINY	Juneau, Alaska	1440	1000 d., 500 n.	KOVC	Valley City, N. D.	1490	250
KIRO	Seattle, Wash.	1460	5000	KOVO	Provo, Utah	1210	250
KIT	Yakima, Wash.	710	50000	KOWH	Omaha, Neb.	660	500
KIUL	Garden City, Kans.	1280	1000	KOY	Phoenix, Ariz.	550	1000
		1240	250	KPAB	Laredo, Texas	1490	250

KPAC	1250	1000	KSWO	1150	250
KPDN	1340	250	KTAR	620	5000
KPFA	1240	250	KTBC	580	1000 d., 250 n.
KPHO	1230	250	KTEB	1490	250
KPKW	1340	250	KTES	1480	1000
KPLC	1490	250	KTEM	1400	250
KPLT	1490	250	KTFI	1270	1000
KPMC	1560	1000	KTHS	1090	10000 d., 1000 n.
KPO	680	50000	KTHT	1230	250
KPOF	910	1000	KTKC	910	5000
KPOW	1230	250	KTKN	930	1000
KPPC	1240	100	KTMC	1400	250 C.F.
KPQ	560	1000	KTMS	1250	1000
KPRC	950	5000	KTNM	1400	250
KPRD	1440	1000	KTOE	1490	250
KQV	1410	1000	KTOK	1400	250
KQW	740	5000	KTRB	860	1000
KRBA	1340	250	KTRH	740	50000
KRBC	1460	250	KTRI	1450	250
KREB	1450	250	KTSA	550	5000 d., 1000 n.
KREB	1400	250	KTSM	1380	1000 d., 500 n.
KRE	1400	1000	KTSW	1400	250
KRGV	1290	250	KTTS	1400	250
KRIC	1450	250	KTUC	1400	250
KRIS	1360	1000	KTUL	1430	5000
KRJE	1340	250	KTW	1250	1000
KRKA	1150	2500 d., 1000 n.	KTYW	1460	250
KRKO	1400	250	KUIN	1340	250
KRLC	1400	250	KUJA	1420	1000
KRLD	1080	250	KUOA	1290	5000
KRMD	1340	250	KUOM	770	5000
KRNR	1490	250	KUSD	920	500
KREB	1350	5000	KUTA	570	5000
KREB	1340	250	KVCV	1230	250
KROC	600	1000 d., 500 n.	KVEC	1230	250
KROD	1300	1000 d., 500 n., C.F.	KVET	1490	250 C.F.
KROP	1340	250	KVFD	1400	250
KROS	910	1000	KVGB	1400	250
KROW	1240	250	KVIC	570	5000
KROY	1150	1000 d., 500 n.	KVIA	1340	250
KREY	580	250	KVNU	1230	250
KRSC	1150	250	KVOA	1290	1000
KRSC	580	5000 d., 1000 n.	KVOD	630	5000
KRSC	1490	5000 d., 1000 n.	KVOE	1490	250
KSAL	1150	1000	KVOL	1340	250
KSAM	1490	250	KV00	1170	50000
KSAN	1450	250	KVOP	1400	250
KSCJ	1360	5000	KVOR	1300	1000
KSD	550	5000 d., 250 n.	KVOS	790	250
KSEI	930	5000 d., 250 n.	KVOX	1340	250
KSFO	560	1000	KVRS	1400	250
KSIL	1340	250 C.F.	KVSF	1240	100
KSJB	600	250, 5000 C.F.	KVSO	1490	250
KSKY	660	1000	KVVO	1490	250
KSL	1160	50000	KWAL	1450	250
KSLM	1390	1000	KWAT	1240	250
KSMA	1450	250	KWBR	1310	1000
KSO	1460	5000	KWBU	1010	50000
KS00	1140	5000			
KSRO	1350	1000			
KSRY	1450	250 C.F.			
KSTP	1500	50000			
KSUB	1340	250			
KSUN	1230	250			

KWBW	Hutchinson, Kans.	1450	250	WAML	Laurel, Miss.	1340	250
KWEW	Hobbs, N. M.	1490	100	WAOV	Vincennes, Ind.	1450	250
KWFC	Hot Springs, Ark.	1340	250	WAPI	Birmingham, Ala.	1070	5000
KWFT	Wichita Falls, Texas	620	5000 d., 1000 n.	WAPO	Chattanooga, Tenn.	1150	5000 d., 1000 n.
KWG	Stockton, Calif.	1230	250	WARD	Johnstown, Pa.	1400	250 C.P.
KWIL	Albany, Ore.	1240	250	WARM	Scranton, Pa.	1400	250
KWJB	Globe, Ariz.	1240	250	WASK	Lafayette, Ind.	1450	250
KWJJ	Portland, Ore.	1080	1000	WATL	Atlanta, Ga.	1450	250
KWKH	St. Louis, Mo.	1380	5000 d., 1000 n.	WATN	Watertown, N. Y.	1400	250
KWKH	Shreveport, La.	1130	50000	WATE	Waterbury, Conn.	1320	250
KWKW	Pasadena, Calif.	1430	1000	WATT	Cadillac, Mich.	1240	1000
KWLO	Decorah, Iowa	1240	250	WATW	Ashland, Wisc.	1400	250
KWLK	Longview, Wash.	1400	250	WAYE	Louisville, Ky.	970	5000
KWLM	Willmar, Minn.	1340	250	WAYZ	Zarepath, N. J.	1380	5000 d., 1000 n.
KWNO	Winona, Minn.	1230	250	WAYS	Charlotte, N. C.	610	1000
KWOC	Poplar Bluff, Mo.	1340	250	WAYX	Waycross, Ga.	1230	250
KWON	Bartlesville, Okla.	1400	250	WAZL	Hazleton, Pa.	1450	250
KWOR	Worland, Wyo.	1490	250 C.P.	WBAA	West Lafayette, Ind.	920	5000 d., 1000 n.
KWOS	Jefferson City, Mo.	1240	250	WBAB	Atlantic City, N. J.	1490	250
KWRC	Pendleton, Ore.	1240	250	WBAC	Cleveland, Tenn.	1310	250
KWSC	Pullman, Wash.	1250	5000	WBAL	Baltimore, Md.	1090	250
KWTO	Springfield, Mo.	560	5000 d., 1000 n.	WBAP	Fort Worth, Texas	820	50000
KWTX	Waco, Texas	1230	250 C.P.	WBAX	Wilkes-Barre, Pa.	1240	50000
KWYO	Sheridan, Wyo.	1400	250	WBBB	Burlington, N. C.	920	250
KXA	Seattle, Wash.	770	1000	WBBL	Richmond, Va.	1450	250
KXEL	Waterloo, Iowa	1540	50000	WBDM	Chicago, Ill.	780	30000
KXL	Portland, Ore.	750	10000	WBDR	Brooklyn, N. Y.	1330	1000
KXLA	Pasadena, Calif.	1110	10000	WBEG	Ponca City, Okla.	1440	1000 d., 500 n.
KXO	El Centro, Calif.	1230	250	WBEN	Buffalo, N. Y.	930	250 C.P.
KXOA	Sacramento, Calif.	1490	250	WBHD	Petersburg, Va.	1240	250
KXOK	St. Louis, Mo.	630	5000	WBHP	Huntsville, Ala.	1230	250
KXOX	Sweetwater, Texas	1240	250	WBIG	Greensboro, N. C.	1470	5000
KXRO	Aberdeen, Wash.	1340	250	WBIR	Knoxville, Tenn.	1240	250
KXYZ	Houston, Texas	1320	5000	WBLJ	Dalton, Ga.	1230	250
KYA	San Francisco, Calif.	1260	5000 d., 1000 n.	WBLK	Clarksburg, W. Va.	1400	250
KYCA	Prescott, Ariz.	1490	250	WBML	Macon, Ga.	1240	250
KYOS	Merced, Calif.	1490	250	WBNS	Columbus, O.	1460	5000 d., 1000 n.
KYSM	Mankato, Minn.	1490	250	WBNS	New York, N. Y.	1380	5000
KYUM	Philadelphia, Pa.	1240	250	WBNY	Buffalo, N. Y.	1400	250
KYW	Worcester, Mass.	1440	50000	WBOC	Salisbury, Md.	1230	250
WAAB	Chicago, Ill.	950	1000	WBOW	Terre Haute, Ind.	1230	250
WAAF	Chicago, Ill.	970	1000	WBRE	Red Bank, N. J.	1240	250
WAAT	Newark, N. J.	880	50000	WBRE	Birmingham, Ala.	960	5000
WABC	New York, N. Y.	880	10000	WBRE	Wilkes-Barre, Pa.	1340	250
WABI	Bangor, Me.	1230	1000, 5000 C.P.	WBRE	Wilkes-Barre, Pa.	1340	250
WABY	Albany, N. Y.	1400	250	WBRE	Wilkes-Barre, Pa.	1340	250
WACY	Waco, Texas	1450	250	WBRE	Wilkes-Barre, Pa.	1340	250
WADC	Akron, O.	1350	5000	WBRE	Wilkes-Barre, Pa.	1340	250
WAGA	Atlanta, Ga.	590	5000	WBRE	Wilkes-Barre, Pa.	1340	250
WAGC	Chattanooga, Tenn.	1450	250 C.P.	WBRE	Wilkes-Barre, Pa.	1340	250
WAGE	Syracuse, N. Y.	620	1000	WBRE	Wilkes-Barre, Pa.	1340	250
WAGF	Dothan, Ala.	1400	250	WBRE	Wilkes-Barre, Pa.	1340	250
WAGM	Presque Isle, Me.	1450	100	WBRE	Wilkes-Barre, Pa.	1340	250
WAIM	Anderson, S. C.	1230	250	WBRE	Wilkes-Barre, Pa.	1340	250
WAIR	Winston-Salem, N. C.	1430	250	WBRE	Wilkes-Barre, Pa.	1340	250
WAIT	Chicago, Ill.	820	5000	WBRE	Wilkes-Barre, Pa.	1340	250
WAJR	Morgantown, W. Va.	1230	5000	WBRE	Wilkes-Barre, Pa.	1340	250
WAKE	Akron, O.	1590	5000	WBRE	Wilkes-Barre, Pa.	1340	250
WALA	Mobile, Ala.	1410	5000	WBRE	Wilkes-Barre, Pa.	1340	250
WALB	Albany, Ga.	1500	1000	WBRE	Wilkes-Barre, Pa.	1340	250
WALL	Middletown, N. Y.	1340	250	WBRE	Wilkes-Barre, Pa.	1340	250

WCAR	1130	1000	WEDC	Chicago, Ill.	1240	250
WCAT	1230	100	WEED	Rocky Mount, N. C.	1450	250
WCAU	1210	50000	WEED	Boston, Mass.	1450	5000
WCAX	620	1000	WEU	Reading, Pa.	850	1000
WCAX	1080	250	WEGO	Concord, N. C.	1410	1000
WCBI	1310	250	WEM	Fitchburg, Mass.	1340	250
WCBI	1400	250	WELI	New Haven, Conn.	960	1000 d., 500 n.
WCBM	1450	250	WELL	Battle Creek, Mich.	1400	250
WCBS	1230	250	WELO	Tupelo, Miss.	1490	250
WCBS	830	50000	WEMP	Milwaukee, Wis.	1340	250
WCBO	1230	250	WENR	Chicago, Ill.	890	50000
WCFL	1000	10000	WENT	Gloversville, N. Y.	1340	250
WCHS	580	5000	WENT	Elmira, N. Y.	1230	250
WCHV	1450	250	WEOA	Evansville, Ind.	1400	250
WCKY	1530	50000	WERC	Er's, Pa.	1230	250
WCLO	1230	250	WEST	Easton, Pa.	1400	250
WCMA	1310	250	WESX	Salem, Mass.	1230	250
WCMI	1400	250	WEVD	New York, N. Y.	1330	5000
WCNC	1490	250	WEXL	St. Louis, Mo.	770	1000
WCNH	1370	250 C.F.	WEXL	Royal Oak, Mich.	1340	250
WCOA	910	1000 d., 500 n.	WFAS	Dallas, Texas	820	50000
WCOC	1230	1000	WFBC	White Plains, N. Y.	1230	250
WCOL	1150	500	WFBG	Greenville, S. C.	1330	5000
WCOP	1400	250	WFBG	Altoona, Pa.	1340	250
WCOS	1240	250	WFBL	Syracuse, N. Y.	1390	5000
WCOU	1240	250	WFBL	Indianapolis, Ind.	1200	5000
WCOV	1230	250	WFEM	Baltimore, Md.	1300	5000
WCPO	1450	250	WFBR	Pawtucket, R. I.	1420	1000
WCRS	1240	100	WFCI	Flint, Mich.	910	1000
WCRW	1390	1000 d., 500 n.	WFEA	Manchester, N. H.	1370	5000
WCSC	970	5000	WFEA	Sylacauga, Ala.	1340	250
WCSD	1450	250	WFHR	Wisconsin Rapids, Wis.	1340	250
WDAD	1250	5000	WFIL	Sumter, S. C.	1310	250
WDAE	610	5000	WFIL	Philadelphia, Pa.	560	1000
WDAF	1340	250	WFIL	Philadelphia, Pa.	560	1000
WDAK	1490	250	WFIN	Findlay, O.	1330	1000
WDAN	1400	250	WFKY	Frankfort, Ky.	1400	250 C.F.
WDAY	970	5000	WFMD	Tampa, Fla.	970	5000
WDBJ	960	5000	WFMD	Frederick, Md.	930	500
WDBR	580	5000	WFMJ	Youngstown, O.	1450	250
WDBO	1100	250	WFNC	Fayetteville, N. C.	1450	250
WDEF	1150	5000	WFOR	Hattiesburg, Miss.	1400	250
WDEL	550	1000	WFOY	St. Augustine, Fla.	1240	250
WDEY	1130	5000 d., 500 n.	WFPG	Atlantic City, N. J.	1450	250
WDGY	1230	250	WFTC	Kinston, N. C.	1230	250
WDLF	1310	5000	WFWA	Fredericksburg, Va.	1290	250
WDMJ	1490	250	WGAA	Augusta, Ga.	1240	250
WDNC	1310	5000	WGAC	Cedartown, Ga.	1340	250
WDOD	1360	5000	WGAL	Lancaster, Pa.	1490	250
WDRC	1230	250	WGAN	Portland, Me.	560	5000
WDSM	1280	5000	WGAP	Maryville, Tenn.	1400	250 C.F.
WDSU	1400	250	WGAR	Cleveland, O.	1220	5000
WDVS	1050	1000	WGAU	Athens, Ga.	1340	250
WDZ	600	50000	WGBB	Freeport, N. Y.	1240	100
WEAF	790	5000	WGBF	Evansville, Ind.	1280	5000 d., 1000 n.
WEAN	790	5000 d., 1000 n.	WGBG	Greensboro, N. C.	980	1000
WEAU	1320	5000	WGBI	Scranton, Pa.	940	1000 d., 500 n.
WEBC	1240	250	WGBR	Goldboro, N. C.	1400	250
WEBQ	1340	250	WGBS	Miami, Fla.	710	10000
WEBR	1340	250	WGCM	Gulfport, Miss.	1240	250

WGES	Chicago, Ill.	1390	5000	WHOP	Hopkinsville, Ky.	1230	250
WGGA	Gainesville, Ga.	1240	250	WHOT	South Bend, Ind.	1490	250
WGH	Newport News, Va.	1340	250	WHTB	Harrisburg, Pa.	1460	5000 d., 1000 n.
WGIL	Galesburg, Ill.	1400	250	WHTD	Tallegaha, Ala.	1230	250
WGKV	Charleston, W. Va.	1490	100	WHUB	Hartford, Conn.	1410	5000
WGL	Fort Wayne, Ind.	1450	250	WHYN	Cookeville, Tenn.	1400	250
WGN	Chicago, Ill.	720	50000	WZAC	Holyoke, Mass.	1400	250
WGNB	Gastonia, N. C.	1450	250	WZAB	Hato Rey-San Juan, Puerto Rico.	580	5000
WGNM	Newburgh, N. Y.	1220	1000	WZAD	Madison, Wis.	1310	5000
WGNP	Yaldosta, Ga.	1450	250	WZAE	Indianapolis, Ind.	1070	5000
WGNQ	Albany, Ga.	1450	250	WZAF	Philadelphia, Pa.	990	10000
WGNR	Buffalo, N. Y.	550	5000 d., 1000 n.	WZAG	Jackson, Mich.	1450	250
WGNB	Louisville, Ky.	1400	250	WZAH	Foyette, Wisc.	1240	250
WGNM	Greenwood, Miss.	1240	250	WZAI	Topeka, Kans.	580	5000
WGNP	Atlanta, Ga.	920	5000 d., 1000 n.	WZAJ	Utica, N. Y.	1230	250
WGNQ	Greenville, N. C.	1490	250	WZAK	Ashabula, O.	970	1000
WGNR	Wilson, N. C.	1340	250	WZAL	Bridgeport, Conn.	600	5000 d., 500 n.
WGNB	Schenectady, N. Y.	810	50000	WZAM	Medford, Wisc.	1490	250
WGNM	Madison, Wisc.	970	5000	WZAN	St. Louis, Mo.	1230	250
WGNP	Greenfield, Mass.	1240	250	WZAO	Urbana, Ill.	580	5000
WGNQ	Rochester, N. Y.	1180	50000	WZAP	Wilmington, Del.	1450	250
WGNR	Louisville, Ky.	840	50000	WZAQ	Winchester, Va.	1400	250
WGNB	Philadelphia, Pa.	1340	100	WZAR	Chicago, Ill.	560	5000
WGNM	Troy, N. Y.	1330	1000	WZAS	Fort Myers, Fla.	1240	250
WGNP	Kansas City, Mo.	880	1000	WZAT	Louisville, Ky.	1240	250
WGNB	Selma, Ala.	1490	100	WZAU	New York, N. Y.	1010	10000
WGNM	Canton, O.	1480	1000	WZAV	Washington, D. C.	1340	50000 C. P.
WGNP	Rock Island, Ill.	1270	5000	WZAW	Miami, Fla.	610	5000
WGNQ	Newark, N. J.	1280	2500 d., 1000 n.	WZAX	Philadelphia, Pa.	610	5000
WGNR	Sheboygan, Wisc.	1330	1000 d., 250 n.	WZAY	Indianapolis, Ind.	1430	5000
WGNB	Memphis, Tenn.	1400	250	WZAZ	Columbia, S. C.	560	5000
WGNM	Anderson, Ind.	1240	250	WZBA	Asheville, N. C.	1230	250
WGNP	Appleton, Wisc.	1230	250	WZBB	Indianapolis, Ind.	1310	5000 d., 1000 n.
WGNQ	Ithaca, N. Y.	370	1000	WZBC	Milwaukee, Wisc.	1150	5000
WGNR	Calumet, Mich.	1400	250	WZBD	Butler, Pa.	680	250
WGNB	Boston, Mass.	850	5000	WZBE	Baltimore, Md.	1230	250
WGNM	Olean, N. Y.	1450	250	WZBF	Springfield, O.	1340	250
WGNP	Portsmouth, N. H.	750	1000	WZBG	Johnstown, Pa.	1400	1000
WGNQ	Rochester, N. Y.	1460	1000 d., 500 n.	WZBH	Norfolk, Neb.	780	5000
WGNB	Cleero, Ill.	1450	250	WZBI	Providence, R. I.	920	5000
WGNM	Harrisburg, Pa.	1400	250	WZBJ	Pittsburgh, Pa.	1320	5000
WGNP	Dayton, O.	1290	5000	WZBK	Jacksonville, Fla.	930	5000 d., 1000 n.
WGNQ	Bluefield, W. Va.	1440	1000 d., 500 n.	WZBL	Bloomington, Ill.	1230	250
WGNR	New Bern, N. C.	1450	250	WZBM	Detroit, Mich.	1190	250
WGNB	Zanesville, O.	1240	250	WZBN	Baton Rouge, La.	1150	5000
WGNM	Greensburg, Pa.	620	250	WZBO	New Orleans, La.	1230	250
WGNP	Cleveland, O.	1420	5000	WZBP	Gadsden, Ala.	1240	250
WGNQ	Columbus, O.	610	1000	WZBQ	Jackson, Miss.	1300	5000 d., 1000 n.
WGNB	Akron, O.	640	1000.	WZBR	Grand Rapids, Mich.	1230	250 C. P.
WGNM	Hickory, N. C.	1290	5000 d., 1000 n.	WZBS	Hagerstown, Md.	1240	250
WGNP	Virginia, Minn.	1400	250	WZBT	Johnson City, Tenn.	910	1000
WGNQ	Nagara Falls, N. Y.	1290	1000	WZBU	Opelika, Ala.	1400	250 d., 100 n.
WGNR	Farlan, Ky.	1230	250	WZBV	Jacksonville, Fla.	1320	250
WGNB	Fort Ktron, Mich.	1450	250	WZBW	Lansing, Mich.	1240	250
WGNM	Anniston, Ala.	1450	250	WZBX	Chicago, Ill.	1160	20000
WGNP	New York, N. Y.	1050	50000	WZBY	Detroit, Mich.	1400	250
WGNQ	Henderson, N. C.	890	250	WZBZ	Bessemer, Ala.	1400	250
WGNB	Des Moines, Iowa	1040	50000	WZCA	Beckley, W. Va.	560	250
WGNM	Jersey City, N. J.	1480	1000 d., 500 n.	WZCB			

WJMC	1240	Rice Lake, Wisc.	WLAW	5000	Lawrence, Mass.	680
WJMS	1450	Ironwood, Mich.	WLAY	250	Muscle Shoals City, Ala.	1450
WJNC	1240	Jacksonville, N. C.	WLBC	250	Muncie, Ind.	1340
WJNO	1230	West Palm Beach, Fla.	WLEJ	250	Bowling Green, Ky.	1340
WJOB	1230	Hammond, Ind.	WLBL	250	Stevens Point, Wisc.	830
WJOI	1340	Florence, Ala.	WLBZ	250	Bangor, Me.	620
WJOL	1340	Joliet, Ill.	WLDJ	250	Jacksonville, Ill.	1180
WJPA	1450	Washington, Pa.	WLEE	250	Richmond, Va.	1450
WJPF	1340	Herrin, Ill.	WLEU	250	Erie, Pa.	1450
WJPR	1340	Greenville, Miss.	WLIB	250	Brooklyn, N. Y.	1190
WJR	760	Detroit, Mich.	WLLH	50000	Lowell-Lawrence, Mass.	1400
WJRD	1230	Tuscaloosa, Ala.	WLNH	250	Laconia, N. H.	1340
WJTN	1240	Jamesstown, N. Y.	WLOF	250	Orlando, Fla.	1230
WJW	850	Cleveland, O.	WLOG	5000	Logan, W. Va.	1230
WJXX	1490	Jackson, Miss.	WLOK	250	Lima, O.	1240
WJZ	770	New York, N. Y.	WLOL	50000	Minneapolis, Minn.	1330
WJZM	1400	Clarksville, Tenn.	WLPM	250	Suffolk, Va.	1450
WKAQ	620	San Juan, Puerto Rico	WLS	5000	Chicago, Ill.	800
WKAR	870	East Lansing, Mich.	WLVA	5000	Lynchburg, Va.	1230
WKAT	1300	Miami, Fla.	WLW	1000	Cincinnati, O.	700
WKAY	1490	Glasgow, Ky.	WMAJ	250	State College, Pa.	1450
WKBB	1490	Dubuque, Iowa	WMAL	250	Washington, D. C.	630
WKBH	1410	Ia Crosse, Wisc.	WMAM	570	Marinette, Wisc.	570
WKBN	570	Youngstown, O.	WMAN	1000	Mansfield, O.	1400
WKBO	1230	Harrisburg, Pa.	WMAQ	250	Chicago, Ill.	670
WKBY	1490	Richmond, Ind.	WMAS	250	Springfield, Mass.	1450
WKBW	1520	Buffalo, N. Y.	WMAZ	50000	Macon, Ga.	940
WKBZ	1490	Muskegon, Mich.	WMBC	250	Macon, Miss.	1400
WKEU	1450	Griffin, Ga.	WMBD	250	Peoria, Ill.	1470
WKEY	1340	Covington, Va.	WMBG	250	Richmond, Va.	1380
WKIP	1450	Poughkeepsie, N. Y.	WMBH	250	Joplin, Mo.	1450
WKIX	1490	Columbia, S. C.	WMBI	250	Chicago, Ill.	1110
WKLA	1450	Ludington, Mich.	WMBO	250	Auburn, N. Y.	1340
WKMO	1400	Kokomo, Ind.	WMBR	250	Jacksonville, Fla.	1400
WKNE	1290	Keene, N. H.	WMBS	5000	Uniontown, Pa.	500
WKNY	1490	Kingston, N. Y.	WMC	250	Memphis, Tenn.	790
WKOK	1240	Sunbury, Pa.	WMCA	250	New York, N. Y.	570
WKPA	1150	New Kensington, Pa.	WMEX	250	Boston, Mass.	1510
WKPT	1400	Kingsport, Tenn.	WMFD	250	Wilmington, N. C.	1400
WKRC	550	Cincinnati, O.	WMFF	5000	Plattsburgh, N. Y.	1340
WKRM	1340	Columbia, Tenn.	WMFG	250	Hibbing, Minn.	1240
WKRO	1490	Calro, Ill.	WMFJ	250	Daytona Beach, Fla.	1450
WKRR	1340	Oil City, Pa.	WMFR	250	High Point, N. C.	1230
WKST	1280	New Castle, Pa.	WMFT	1000	Florence, Ala.	1240
WKVM	1230	Arcibo, Puerto Rico	WMGA	250	Moultrie, Ga.	1400
WKWF	1600	Key West, Fla.	WMGR	500	Bainbridge, Ga.	1490
WKWK	1400	Wheeling, W. Va.	WMIN	250	St. Paul, Minn.	1400
WKXL	1450	Concord, N. H.	WMIS	250	Natchez, Miss.	1490
WKY	930	Oklahoma City, Okla.	WMJM	5000	Cordet, Ga.	1490
WKZO	590	Kalamazoo, Mich.	WMLT	5000	Dublin, Ga.	1340
WLAC	1510	Nashville, Tenn.	WMMN	50000	Fairmont, W. Va.	920
WLAG	1240	La Grange, Ga.	WMOB	250	Mobile, Ala.	1230
WLAK	1340	Lakeland, Fla.	WMOG	250	Brunswick, Ga.	1490
WLAP	1450	Lexington, Ky.	WMOH	250	Hamilton, O.	1450
WLAT	1400	Conway, S. C.	WMOX	250	Meridian, Miss.	1240
WLAR	1450	Athens, Tenn.	WMPO	250	Lapeer, Mich.	1230
WLAY	1340	Grand Rapids, Mich.	WMPS	250	Memphis, Tenn.	1460

WMRC	Greenville, S. C.	1490	250	WPEN	Philadelphia, Pa.	950	5000
WMRF	Lewiston, Pa.	1490	250	WPIC	Sharon, Pa.	790	1000
WMRN	Marion, O.	1490	250	WPIK	Alexandria, Va.	730	250
WMRO	Aurora, Ill.	1280	250	WPOR	Portland, Me.	1450	250
WMSA	Massena, N. Y.	1340	250	WREA	Mayaguez, Puerto Rico	990	5000 d., 1000 n.
WMSL	Decatur, Ala.	1400	250	WPRO	Providence, R. I.	630	5000
WMT	Cedar Rapids, Iowa	600	5000	WPRP	Ponce, Puerto Rico	1420	250
WMUR	Manchester, N. H.	610	5000 d., 1000 n.	WPTF	Raleigh, N. C.	680	50000
WMVA	Martinsville, Va.	1450	250	WQAM	Miami, Fla.	1230	250 C.P.
WMVG	Milledgeville, Ga.	1450	250 C.P.	WQAN	Scranton, Pa.	560	5000 d., 1000 n.
WNAB	Bridgeport, Conn.	1450	250	WQBC	Vicksburg, Miss.	1420	1000 d., 500 n.
WNAC	Boston, Mass.	1200	5000	WQXR	New York, N. Y.	1500	10000
WNAD	Norman, Okla.	640	1000	WRAC	Williamsport, Pa.	1400	250
WNAX	Yankton, S. D.	570	5000	WRAL	Raleigh, N. C.	1240	250
WNBF	Richampton, N. Y.	1290	5000	WRBW	Reading, Pa.	1340	250
WNBH	New Bedford, Mass.	1340	250	WRBL	Columbus, Ga.	1230	250
WNEL	Saranac Lake, N. Y.	1320	100	WRDO	Washington, D. C.	980	5000
WNEP	San Juan, Puerto Rico	1320	5000	WRDW	Augusta, Me.	1400	5000
WNEW	New York, N. Y.	1130	10000	WRFC	Augusta, Ga.	1480	5000
WNEX	Macon, Ga.	1400	250	WRGA	Memphis, Tenn.	600	5000
WNHC	New Haven, Conn.	1340	250	WRHI	Lawrence, Kans.	1250	5000 d., 1000 n.
WNLC	New London, Conn.	1490	250	WRIN	Rome, Ga.	1490	250
WNOE	New Orleans, La.	1450	250	WRJN	Rock Hill, S. C.	1340	250
WNOX	Knoxville, Tenn.	990	10000	WRJC	Racine, Wis.	1400	250
WNYA	Norton, Va.	1450	250 C.P.	WRLD	Tooea, Ga.	1450	250
WNYC	New York, N. Y.	830	1000	WRNL	West Point, Ga.	1400	250
WOAI	San Antonio, Texas	1200	5000	WRNK	Richmond, Va.	910	5000
WOC	Davenport, Iowa	1420	5000	WROL	Rockford, Ill.	1140	1000 d., 500 n.
WOCB	W. Yarmouth, Mass.	1240	250	WROW	Knoxville, Tenn.	630	1000 d., 500 n.
WOI	Ames, Iowa	640	5000	WROX	Athens, Tenn.	1190	250
WOKO	Albany, N. Y.	1460	1000 d., 500 n.	WRR	Clarksdale, Miss.	1450	250
WOLF	Washington, D. C.	1260	1000	WRRF	Dallas, Texas	1310	5000
WOLF	Syracuse, N. Y.	1490	250	WREN	Washington, N. C.	930	1000
WOLS	Florence, S. C.	1230	250	WRUF	Warren, O.	1400	250
WOMI	Owensboro, Ky.	1490	250	WRVA	Gainesville, Fla.	850	5000
WOMT	Manitowoc, Wisc.	1240	100	WSAI	Richmond, Va.	1140	50000
WOOD	Grand Rapids, Mich.	1300	5000	WSAJ	Cincinnati, O.	1360	5000
WOPI	Bristol, Tenn.	1490	250	WSAM	Grove City, Pa.	1340	100
WOR	New York, N. Y.	710	50000	WSAN	Saginaw, Mich.	1400	250
WORC	Worcester, Mass.	1310	1000	WSAP	Allentown, Pa.	1470	500
WORD	Spartanburg, S. C.	1400	250	WSAR	Portsmouth, Va.	1490	250
WORK	York, Pa.	1350	1000	WSAU	Fall River, Mass.	1480	1000
WORL	Boston, Mass.	950	1000	WSAV	Wausau, Wisc.	1400	250
WOSH	Oshkosh, Wisc.	1490	250	WSAY	Savannah, Ga.	1340	250
WOSU	Columbus, O.	820	5000	WSAZ	Rochester, N. Y.	1370	1000
WOV	New York, N. Y.	1280	5000	WSB	Huntington, W. Va.	930	1000
WOW	Omaha, Neb.	590	5000	WSB	Atlanta, Ga.	750	50000
WOVO	Fort Wayne, Ind.	1190	10000	WSRA	York, Pa.	900	1000
WPAB	Ponce, Puerto Rico	1370	1000	WSRC	Chicago, Ill.	1240	250
WPAD	Paducah, Ky.	1450	250	WSRT	South Bend, Ind.	960	1000
WPAG	Ann Arbor, Mich.	1050	250	WSFA	Montgomery, Ala.	1440	1000 d., 500 n.
WPAB	Parkerburg, W. Va.	1450	250	WSGN	Birmingham, Ala.	610	5000 d., 1000 n.
WPAT	Paterson, N. J.	930	1000	WSIX	Nashville, Tenn.	980	5000
WPAX	Thomasville, Ga.	1240	250	WSJS	Winston-Salem, N. C.	600	5000
WPAY	Portsmouth, O.	1400	250	WSKB	McComb, Miss.	1230	250
WPDQ	Jacksonville, Fla.	1270	5000	WSLB	Ogdensburg, N. Y.	1400	250
				WSLI	Jackson, Miss.	1450	250
				WSLS	Roanoke, Va.	1240	250
				WSM	Nashville, Tenn.	650	50000

Call Letters	City	Power	Frequency	Class	Notes
WSMB	New Orleans, La.	5000	1350		
WSNJ	Bridgeton, N. J.	250	1240		
WSNY	Schenectady, N. Y.	250	1240		
WSOC	Charlotte, N. C.	250	1240		
WSOH	Henderson, Ky.	860	1240		
WSOO	Sault Ste. Marie, Mich.	250 d., 100 n.	1230		
WSOY	Decatur, Ill.	250	1340		
WSPA	Spartanburg, S. C.	5000 d., 1000 n.	950		
WSPB	Sarasota, Fla.	1450	1450		
WSPD	Toledo, O.	5000	1370		
WSPR	Springfield, Mass.	1000	1270		
WSTC	Stamford, Conn. (Formerly WSRB)	250	1400		
WSSV	Petersburg, Va.	250	1240		
WSTP	Sallabury, N. C.	1490	1490		
WSTV	Steubenville, O.	250	1340		
WSUI	Iowa City, Iowa	5000	910		
WSUN	St. Petersburg, Fla.	5000	620		
WSVA	Harrisonburg, Va.	1000	550		
WSYB	Rutland, Vt.	1000	1380		
WSYE	Syracuse, N. Y.	5000	570		
WTAD	Quincy, Ill.	1000	930		
WTAG	Worcester, Mass.	5000	580		
WTAL	Tallahassee, Fla.	250	1340		
WTAM	Cleveland, O.	5000	1100		
WTAQ	Green Bay, Wis.	5000	1360		
WTAR	Norfolk, Va.	790	1080		
WTAW	College Station, Texas	1000	1150		
WTAX	Springfield, Ill.	100	1240		
WTBO	Cumberland, Md.	250	1450		
WTOM	Traverse City, Mich.	250	1400		
WTON	Minneapolis, Minn.	5000 d., 1000 n.	1280		
WTEL	Philadelphia, Pa.	250	1340		
WTHT	Hartford, Conn.	250	1250		
WTIC	Hartford, Conn.	5000	1080		
WTJS	Jackson, Tenn.	1000	1390		
WTMA	Charleston, S. C.	1000	1250		
WTMC	Ocala, Fla.	250	1490		
WTMJ	Milwaukee, Wis.	5000	620		
WTMV	East St. Louis, Ill.	250	1490		
WTNJ	Trenton, N. J.	500	1310		
WTOC	Savannah, Ga.	5000	1290		
WTOL	Toledo, O.	250	1250		
WTON	Staunton, Va.	250	1490		
WTOP	Washington, D. C.	5000	1500		
WTRO	Elkhart, Ind.	250	1340		
WTRY	Troy, N. Y.	1000	980		
WTSP	St. Petersburg, Fla.	1000 d., 500 n.	1380		
WTFM	Trenton, N. J.	1000	920		
WVCX	Sitka, Alaska	15 (Amer. Expeditionary Station)	1220		
WVDC	Washington, D. C.	250	1450		
WVJ	Detroit, Mich.	5000	950		
WVW	New Orleans, La.	3000	870		
WVNC	Ashville, N. C.	1000; 5000 C.R.	570		
WVNY	Watertown, N. Y.	1000	790		
WVPG	Palm Beach, Fla.	250	1340		
WVRL	Woodside, N. Y.	250	1600		
WVSR	St. Albans, Vt.	1000	1420		
WVSW	Pittsburgh, Pa.	250	1490		
WVVA	Wheeling, W. Va.	5000	1170		
WVYZ	Detroit, Mich.	5000	1270		

1946 FM Broadcasting Stations

Call Letters	City	Power	Frequency	Class	Notes
WFMN	Alpine NJ	WGYN	98.9 MHz		New York NY
WBRF-FM	Baton Rouge LA	KMGF	96.1		Los Angeles
WBZ-FM	Boston MA	WHNF	96.3		New York NY
WBBM-FM	Chicago IL	WNYC-FM	100.7		New York NY
WEHS	Chicago IL	WBAM-FM	99.3		New York NY
WGNB	Chicago IL	WABC-FM	99.7		New York NY
WELD	Chicago IL	WEAF-FM	100.1		New York NY
WENA	Columbus OH	KYW-FM	98.0		Philadelphia PA
WLOU	Detroit MI	WCAU-FM	94.5		Philadelphia PA
WMLL	Evansville IN	WFIL-FM	96.9		Philadelphia PA
WOWO-FM	Fort Wayne IN	WIBG-FM	96.5		Philadelphia PA
WDRG-FM	Hartford CT	WPEN-FM	94.7		Philadelphia PA
WTIC-FM	Hartford CT	KDKA-FM	95.9		Pittsburgh PA
WABW	Indianapolis IN	WHEF	94.3		Pittsburgh PA
WAAW	Jersey City NJ	WHFM	94.9		Rochester NY
KOZY	Kansas City MO	WGFM	94.1		Rochester NY
KHJ-FM	Kansas City MO	WBCA	99.9		Salt Lk City UT
WMFM	Los Angeles CA	WSBF	97.9		Schenectady NY
WMTW	Milwaukee WI	WBZA-FM	99.7		Schenectady NY
WMTW	Mt. Washington NH	WDUL	92.3		So. Bend IN
WQXQ	Nashville TN	WINX-FM	98.1		Springfield MA
WABF	New York NY	WTAG-FM	100.1		Superior WI
WMGM	New York NY	WMIT	97.7		Washington DC
		WGTR	98.5		Worcester MA
			99.3		Winston-Salem
					Worcester MA

Non-Commercial Educational FM Stations

Call Letters	City	Power	Frequency	Class	Notes
WATX	Ann Arbor MI	KICR	42.1 MHz		Kansas City MO
WLSU	Baton Rouge LA	KUSC			Los Angeles CA
WBKY	Beattyville KY		42.9		Madison WI
WCAH	Buffalo NY	WBGO			Newark NJ
WNYE	Brooklyn NY		42.1		New York NY
WBEZ	Chicago IL	KOKU	42.5		Norman OK
		KALW	CP		San Francisco CA
					Stillwater OK
					Urbana IL

Official U.S. Navy Callsigns Issued To

Call Letters	Vessel	Notes
NBDB	T-35 (German Destroyer)	
NBDE	T-39 (German Destroyer)	
NCHV	U-1105 (German U-boat)	
NCHW	Prinz Eugen (German Heavy Cruiser, 655 ft. long, commissioned 8/1/40; surrendered 5/7/45 at Copenhagen. Classified as ship #IX-300 by the USN, in 1/46 sailed with crew consisting of combined German & American sailors to Boston, thence to Philadelphia, through the Panama Canal, & on to the Pacific for an atomic bomb test 7/25/46.)	
NCIL	HIJMS Nagato (Japanese Battleship)	
NCKX	HIJMS Sakawa (Japanese Heavy Cruiser)	
NDEJ	U-530 (German U-boat)	
NDEP	UB-977 (German U-boat)	
NDFL	U-234 (German U-boat)	
NDFF	U-873 (German U-boat)	
NDWB	U-2513 (German U-boat)	
NDWC	U-3008 (German U-boat)	
NEQP	UC-97 (German U-boat)	
NERD	UB-148 (German U-boat)	
NESD	UB-88 (German U-boat)	
NEVG	U-111 (German U-boat)	
NEXK	U-117 (German U-boat)	
NGUT	HIJMS Tachibana Maru (Japanese Hospital Ship)	
NGWT	U-505 (German U-boat)	
NGWU	U-858 (German U-boat)	
NUKE	Dithmarschen (German Oiler, became USN #IX-301)	

INTERNATIONAL BROADCAST STATIONS IN THE UNITED STATES

Licensee and Location	Call Letters	Frequency (Kc)	Power
The Associated Broadcasters, Inc. San Francisco, Calif.	KWID	6060, 7230, 9570, 11870, 15290, 17760, 1610	100 kw
The Associated Broadcasters, Inc. San Francisco, Calif.	KWIX	6060, 7230, 9570, 11870, 15290, 17760, 21610	50 kw
Columbia Broadcasting System, Inc. Brentwood, L. I.	WCBC	6060, 6120, 6170, 9650, 11830, 15270, 17830, 21520, 21570, S.A. 9490, S.A. 9590, SSA 11145 and 9750	50 kw
Columbia Broadcasting System, Inc. Brentwood, L. I.	WCRC	6060, 6120, 6170, 9650, 11830, 15270, 17830, 21520, 21570, S.A. 9490, S.A. 9590, SSA 11145 and 9750	50 kw
Columbia Broadcasting System, Inc. Brentwood, L. I.	WCEN	6060, 6120, 6170, 9650, 11830, 15270, 17830, 21520, 21570, S.A. 15287 in lieu of 15,270, S.A. 9490, S.A. 9590, SSA 11145 and 9750	10 kw
Columbia Broadcasting System, Inc. Brentwood, L. I.	WCEN	6120, 6170, 9650, 11830, 15270, 17830, 21520, 21570	50 kw
Columbia Broadcasting System, Inc. Wayne, N. J.	WOOC	6120, 6170, 9650, 11830, 15270, 17830, 21520, 21570	50 kw
Columbia Broadcasting System, Inc. Wayne, N. J.	WOOW	6120, 6170, 9650, 11830, 15270, 17830, 21520, 21570, 6170, 7575, 9750, 11145, Freq. To Be Determined	50 kw
Columbia Broadcasting System, Inc. Delano, Calif.	KCBR	6120, 6170, 9650, 11830, 15270, 17830, 21520, 21570	200 kw
Columbia Broadcasting System, Inc. Delano, Calif.	KCBA	6120, 6170, 9650, 11830, 15270, 17830, 21520, 21570	50 kw
Columbia Broadcasting System, Inc. Delano, Calif.	KCBF	6120, 6170, 9650, 11830, 15270, 17830, 21520, 21570	50 kw
The Crosley Corp. Mason, Ohio	WLWO	6080, 9590, 11710, 15250, 17800, 21650 SSA 9785	75 kw
The Crosley Corp. Mason, Ohio	WLWK	6080, 9590, 11710, 15250, 17800, 21650	50 kw
The Crosley Corp. Mason, Ohio	WLWL	6080, 9590, 11710, 15250, 17800, 21650	200 kw
The Crosley Corp. Mason, Ohio	WLWS	6080, 9590, 11710, 15250, 17800, 21650	200 kw CP only
The Crosley Corp. Mason, Ohio	WLWR	6080, 9590, 11710, 15250, 17800, 21650	200 kw
General Electric Company South Schenectady, N. Y.	WGEA	6190, 7000, 9530, 9550, 11847.5, 15330, 21500, 21,590, SSA 17,880, SA 9530	50 kw

INTERNATIONAL BROADCAST STATIONS IN THE U. S.

General Electric Company South Schenectady, N. Y.	WGEO	6190, 7000, 9530, 9650, 11847.5, 15330, SSA 9550 and 17880	100 kw
General Electric Company near Belmont, Calif.	KGEI	6190, 7250, 9530, 9550, 11730, 15210, 15330, SSA 11790, 15130 and 17880	50 kw
General Electric Company Schenectady, N. Y.	WVEX	Freq. To Be Assigned	25 kw
National Broadcasting Co., Inc. Bound Brook, N. J.	WRCA	6100, 9670, 11890, 15150, 15090, 17780, 21630, SSA 11870 Kc and SA 11893 (50 to 100 kw on 9670)	50 kw
National Broadcasting Co., Inc. Bound Brook, N. J.	WNBI	Same as WRCA	Same as WRCA
National Broadcasting Co., Inc. Bound Brook, N. J.	WNRA	6100, 9670, 11890, 15150, 15090, 21630	50 kw
National Broadcasting Co., Inc. Bound Brook, N. J.	WNRE	Same as above	50 kw
National Broadcasting Co., Inc. Bound Brook, N. J.	WNRI	Same as above	50 kw
National Broadcasting Co., Inc. Bound Brook, N. J.	WNRX	Same as above	50 kw
National Broadcasting Co., Inc. Dixon, Calif.	KNBC	Freq. To Be Assigned	50 kw
National Broadcasting Co., Inc. Dixon, Calif.	KNBI	Same as above	50 kw
National Broadcasting Co., Inc. Dixon, Calif.	KNBX	Same as above	50 kw
National Broadcasting Co., Inc. Dixon, Calif.	KNBA	Same as above	50 kw
Westinghouse Radio Stations, Inc. Hull, Mass.	WBOS	6140, 9570, 11870, 15210, 17780, 21540, SSO 7250, 78525	50 kw
World Wide Broadcasting Corp. Scituate, Mass.	WRUL	6040, 11730, 11790, 15130, 15350, 17750, 21460, 592, 7805	50 kw
World Wide Broadcasting Corp. Scituate, Mass.	WRUS	6040, 9700, 11730, 15350, 17750, 2146, SSA 6140 7575, 8590, 9750, 11145, 11,700, 15130	50 kw
World Wide Broadcasting Corp. Scituate, Mass.	WRUW	11730, 15130, 25600, 11790, 15350, 17750, 9700, SSA 6040, 7805	20 kw
World Wide Broadcasting Corp. Scituate, Mass.	WRUA	6040, 9700, 11730, 15350, 17750, 21460	50 kw
World Wide Broadcasting Corp. Scituate, Mass.	WRUX	SSA 7575, 7805, 5290	7 kw
General Electric Co. Belmont, Calif.	WBOS	Freq. To Be Assigned	100 kw

STATIONS OF CANADA

Call Letters	City	Frequency in Kilocycles	Power in Watts
CBA	Sackville, N. B.	1070	50000
CBF	Montreal, Que.	690	50000
CBH	Hull, N. S.	1240	100
CBI	Chicoutimi, Que.	1580	1000
CBK	Wainous, Sask.	540	50000
CBL	Toronto, Ont.	740	50000
CBM	Montreal, Que.	940	5000
CBO	Ottawa, Ont.	910	1000
CBR	Vancouver, B. C.	1130	5000
CBV	Quebec, Que.	980	1000
CFAB	Windsor, N. S.	1450	1000
CFAC	Calgary, Alta.	960	1000
CFAR	Flin Flon, Man.	1230	250
CFBR	Brockville, Ont.	1450	250
CFCF	Montreal, Que.	600	500
CFCH	North Bay, Ont.	600	100
CFCN	Calgary, Alta.	1010	10000
CFCO	Chatham, Ont.	630	100
CFCY	Charlottetown, P. E. I.	1050	5000 D, 1000 N.
CFGP	Grande Prairie, Alta.	1050	1000
CFIC	Kamloops, B. C.	910	1000
CFNB	Fredericton, N. B.	550	1000
CFOR	Orillia, Ont.	1450	250
CFOS	Owen Sound, Ont.	1400	250
CFPA	Port Arthur, Ont.	1230	250
CFPL	London, Ont.	1570	5000
CFPR	Prince Rupert, B. C.	1240	50
CFQC	Saskatoon, Sask.	600	5000
CFRB	Toronto, Ont.	860	10000
CFRC	Kingsion, Ont.	1490	100
CFRN	Edmonton, Alta.	1260	1000
CHAB	Moose Jaw, Sask.	800	1000
CHAD	Amos, Que.	1340	250
CHAT	Medicine Hat, Alta.	1270	1000
CHEF	Granby, Que.	1450	250
CHEX	Petersborough, Ont.	1430	1000
CHGB	St. Anne de la Pocatiere, Que.	1230	250
CHGS	Summerside, P. E. I.	1480	100
CHLN	Three Rivers, Que.	1450	250
CHLP	Montreal, Que.	1490	250
CHLT	Sherbrooke, Que.	1240	5000
CHML	Hamilton, Ont.	900	1000
CHNC	New Carlisle, Que.	610	5000
CHNS	Hull, N. S.	960	5000
CHOK	Sarnia, Ont.	1070	5000 D, 1000 N.
CHOV	Pembroke, Ont.	1340	250
CHRC	Quebec, Que.	800	1000
CHSJ	Saint John, N. B.	1150	1000
CHUM	Toronto, Ont.	1050	1000
CHWK	Chilliwack, B. C.	1340	100
CIAD	Montreal, Que.	800	1000
CIAT	Trail, B. C.	610	1000
CJAV	Port Alberni, B. C.	1240	250
CJBC	Toronto, Ont.	1010	5000
CJBQ	Belleville, Ont.	1230	250
CJBR	Rimouski, Que.	900	5000
CJCA	Edmonton, Alta.	930	1000
CJCB	Sydney, N. S.	1270	5000
CJCH	Halifax, N. S.	1320	100
CJCI	Calgary, Alta.	1230	100
CJCS	Stratford, Ont.	1240	100
CJEM	Edmundston, N. B.	1240	250
CJFX	Anigonish, N. S.	580	1000
CJGX	Yorktown, Sask.	940	1000
CJIC	Sault Ste. Marie, Ont.	1490	250
CJKL	Kirkland Lake, Ont.	560	1000
CJLS	Yarmouth, N. S.	1340	100
CJOB	Winnipeg, Man.	1230	250
CJOC	Lethbridge, Alta.	1060	1000
CJOR	Vancouver, B. C.	600	1000
CJSO	Sorel, Que.	1400	100
CJVI	Victoria, B. C.	1480	1000
CJVL	Kenora, Ont.	1220	1000
CKAC	Montreal, Que.	730	5000
CKBI	Prince Albert, Sask.	900	5000
CKCH	Hull, Que.	1240	250
CKCK	Regina, Sask.	620	5000
CKCO	Ottawa, Ont.	1310	1000
CKCR	Kitchener, Ont. (Waterloo)	1490	250
CKCV	Quebec, Que.	1340	5000
CKEY	Toronto, Ont.	580	5000
CKCW	Moncton, N. B.	1220	5000
CKFI	Fort Frances, Ont.	1340	250
CKGB	Timmins, Ont.	1470	1000
CKLN	Nelson, B. C.	1240	250
CKLW	Windsor, Ont.	800	5000
CKMO	Vancouver, B. C.	1410	100
CKNB	Campbellton, N. B.	950	1000
CKNX	Wingham, Ont.	920	1000
CKNW	New Westminster, B. C.	1230	250
CKOC	Hamilton, Ont.	1150	5000
CKOV	Kelowna, B. C.	630	1000
CKPC	Brantford, Ont.	1380	1000
CKPG	Prince George, B. C.	1230	250
CKPR	Fort William, Ont.	580	1000
CKRC	Winnipeg, Man.	630	1000
CKRM	Regina, Sask.	980	1000
CKRN	Rouyn-Noranda, Que.	1400	250
CKSB	St. Boniface, Man.	1250	1000
CKSF	Cornwall, Ont.	1230	250
CKSO	Sudbury, Ont.	790	1000
CKTB	St. Catharines, Ont.	1550	1000
CKTS	Sherbrooke, Que.	1240	250
CKUA	Edmonton, Alta.	580	1000
CKVD	Val D'Or, Que.	1230	1000
CKWS	Kingston, Ont.	960	1000
CKWX	Vancouver, B. C.	980	1000
CKX	Brandon, Man.	1150	1000
CKY	Winnipeg, Man.	990	15000

STATIONS OF CENTRAL AND SOUTH AMERICA

ARGENTINA

Location	Call Letters	Frequency Kcs.	Power Kws.	Operating Agency
Bahia Blanca	LU2	900	5.0	
Bahia Blanca	LU3	1150	10.0	
Bahia Blanca	LU7	1240	2.5	
Buenos Aires (Banfield)	LS2	1190	15.0	
Buenos Aires (Ciudadela)	LS4	870	12.0	
Buenos Aires	LRA-1	750	10.0	
	LRA-5	9690 sw.		
		17720 sw.		
Buenos Aires (Florida)	LS2	910	6.0	
Buenos Aires (Florida)	LS10	590	6.0	
Buenos Aires (Florida)	LR9	1030	5.0	
Buenos Aires (Hurlingham)	LR6	870	25.0	
Buenos Aires (Hurlingham)	LR7 sw.	9640	5.0	
	LR3	950	90.0	
	LRV1 sw.			
Buenos Aires (Monte Grande)	LS1	710	50.0	Municipalidad de la Capital
Buenos Aires (Monte Grande)	LR5	830	25.0	Alfred B. Dougall
Buenos Aires (Rivadavia)	LR4	990	50.0	Antonio C. Devoto
	LR5			
Buenos Aires (Rivadavia)	LR51			
Buenos Aires (Vicente Lopez)	LS5	1110	5.0	Enrique Caride
Buenos Aires (San Fernando)	LS9	1270	6.0	S. A. La Voz Del Aire
	LR1			
	LRU*			
	LRX			
Catamarca	LW7	1070	50.0	Empresa Editorial
Catamarca	LW15	15290 sw.	7.0	Haynes Ltda., S. A.
Chubut	LW4	9660 sw.	7.0	
	LW7	730	1.5	Hector Tavella, Rivadavia 751
	LW15	1360	0.5	
	LU4	640	1.5	Cia Broadcasting de la Patagonia
Cordoba	LV3	620	15.0	Alberto P. Brouard (Station suppressed by Argentine Gov't.)
	LV3			Luis Maunier
Cordoba	LV2	960	5.0	Gobierno Prov. Corrientes
Cordoba	LV8	1330	1.0	
Cordoba	LW1	790	15.0	
Corrientes	LW7	1340	1.0	
Jujuy	LW8	1130	1.5	
San Luis	LV13	1250	1.0	
La Plata	LR11	1390	0.5	Universidad Nacional de la Plata
La Plata	LR11	1390	1.5	Gobierno Prov. B.A. Pasaje Dardo Roche
La Plata	LS11	1310	30.0	

Location	Call Letters	Frequency Kcs.	Power Kws.	Owner or Operating Agency
Mar del Plata	LU6	1300	1.5	Jose Zaccagnini
Mendoza (Cuyo)	LV10	1210	2.5	Marcelino Aparicio
Mendoza (San Rafael)	LV4	690	1.0	Julio Silva
Mendoza	LV6	630	10.0	
Mendoza	LW2			
Necochea	LU9	1440	0.5	
Neuquen	LU5	1130	1.5	
Neuquen	LU11	1370	0.5	
Neuquen	LU11	1470	0.5	
Parana	LU11	1010	1.5	
Posadas	LV4	1010	1.5	
Posadas (Misiones)	LV8	1460	0.5	
Resistencia (Chaco)	LV5	1080	1.5	Jose M. Noveri
Santa Cruz	LU12	680	1.5	Cia. Broadcasting de la Patagonia
Rosario	LV2	1230	15.0	
Rosario (Santa Fe)	LV1	780	10.0	Fernando Mialandi
Rosario (Santa Fe)	LV3	1180	5.1	Soc. Rural Cerealistas
Rosario (Santa Fe)	LV8	840	3.0	Alfredo B. Dougall
Salta	LV9	970	1.0	Gobierno Prov. Salta
San Juan	LV5	970	1.0	S. A. Grafigna, Ltda.
San Juan	LV5	1090	1.5	Soc. C. Rodriguez Vila y Cia
Santa Fe	LV9	1320	0.5	Roca Hermanos y Cia.
Santa Fe	LV12	1200	1.0	
Santa Fe	LV12	1260	1.0	
Santa Rosa (Pampa Central)	LV8	1250	0.5	
Santiago	LV11	1170	2.0	S. A. El Liberal
Tucuman	LV12	580	5.0	Soc. Reps. Lda. Radio Aconquija
Tucuman	LV7			
La Rioja	LV14	820	2.5	Gonzalez Acha y Munoz
Buenos Aires	LS6	1350	6.0	Ricardo A. Bernotti

BOLIVIA

Cochabamba	CP28	1360	0.150	Gottret y Cia.
	CP40	9570 sw.		
Cochabamba	CP44	580	0.05	Victor Veltze
Cochabamba	CP45	1090	0.05	Raul Montecinos
Cochabamba	CP39	6160 sw.	0.25	Costas Hermanos
La Paz	CP3	1390	5.00	
	CP38	9490 sw.	5.00	
La Paz	CP4	1040	10.00	Dept. of Communications of Bolivian Govt.
La Paz	CP5	6200 sw.	1.00	Sejas and Co.
La Paz	CP8	1450	0.05	C. Munoz
La Paz	CP10	1090	0.05	Owned and operated by Catholic priests.
La Paz (Colegio San Calixto)	CP12	8150 sw.	0.25	
La Paz	CP29	1350	0.1	
La Paz	CP16	1230	0.02	
Oruro (Colegio San Calixto)	CP18		0.25	
Oruro	CP14	1250	0.05	Javier Romero (Sociedad Anonima-Radio La Noche)
Oruro	CP26	1510	0.05	
Oruro	CP31	975	0.05	
Oruro	CP46	770	0.05	Augustin Aspiazu
La Paz	CP19	990	0.05	Romon Pelaez
La Paz	CP20	930	1.0	
La Paz	CP15 sw.	6120 sw.	0.25	Cia. Internacional de Radio Bolivia (Juan C. Salinas)
La Paz	CP32	620	0.05	

Location	Call Letters	Frequency Kcs.	Power Kws.	Owner or Operating Agency
La Paz	CP24	680	.15	Buillermo Teran
	CP25	9700 sw.	.25	
Ouro	CP36	1420	.05	Enrique Wanting
	CP11	6100 sw.	.25	
	CP37	6170 sw.	.25	
	CP22	6130 sw.	.25	
Potosi	CP17	1600 sw.	.05	L. Camacho
	CP13	1250	.05	Alfredo Ossio L.
Santa Cruz	CP13	1250	.05	L. Canedo Reyes
	CP30	6135 sw.	.25	
Sacre	CP27	1420	.05	C. Torres
	CP41	1325	100.	Jose Comacho B.
Sacre	CP1	9500	800.	
Tarija	CP23	6190 sw.	175	

Location	Call Letters	Frequency Kcs.	Power Kws.	Owner or Operating Agency
Aracaju (Sergipe)	PRJ6	630	1.	Jose Nunes Rebello
Aracatuba (Sao Paulo)	PR18	1460	0.5	Joao Ferraz S. br.
Araguari (Minas Gerais)	PR13	970	0.25	Dr. Arcino Santos
Araquara (Sao Paulo)	PRD4	1370	0.5	Romulo Lupo
Assis (Sao Paulo)	ZYA8	1550	0.1	
Barreros (Sao Paulo)	PRJ8	1530	0.1	
Bauru (Sao Paulo)	PRG8	1210	0.5	Joao Simonetti
Belem (Para)	PRC5	1450	2.	Roberto Cameller
	PRC5	4865 sw.		
Belo Horizonte (Minas Gerais)	PRC7	690	3.	Dr. Alberto Deodato
Belo Horizonte (Minas Gerais)	PRH6	1340	3.	Lauro Souza Barros
Belo Horizonte (Minas Gerais)	PR13	880	25.	Luis Bessa
Blumenau (Santa Catarina)	PRC4	1330	0.25	Joao Medeiros, Jr.
Botucatu (Sao Paulo)	PRF6	1530	0.1	Emilio Pedute
Cambara (Parana)	ZYA3	1390	0.1	
Campinas (Sao Paulo)	PRC9	1170	1.	Antonio Tepedino Paghno
Campos (Rio de Janeiro)	PRF7	1330	0.5	Dr. Marro Ferraz Sampaio
Campo Grande (Mato Grosso)	PR17	1510	0.1	Dr. Antonio A. Campos
Caxambu (Minas Gerais)	ZYC2	1550	0.1	
Corumba (Mato Grosso)	ZYA2	1470	0.5	Teodomiro Serra
Cruzeiro (Sao Paulo)	PRG6	640	0.5	Romualdo Canevari
Curityba (Parana)	PRE2	1440	5.	Epaminondas Santos
Formiga (Minas Gerais)	ZYB6	1530	0.1	
Fortaleza (Ceara)	PRE9	1320	2.	Waldemar Cartolano
	PRE9	6105 sw.		
	PRE9	15165 sw.		
	PRE9	1240	0.25	
Franca (Sao Paulo)	PRB5	970	0.25	Oswaldo Fernandes
Golania (Golas)	ZYJ3	1550	0.1	Dr. Absalardo Juruema
Itapetininga (Sao Paulo)	PRD9	1250	0.25	Pedro Goncalves de Oliveira
Igarare (Sao Paulo)	ZYA7	1110	10.	Ulisses Newton Ferreira
Jaboticabal (Sao Paulo)	PRG4	1600	0.1	Ary Levy Pereira
Joao Pessoa (Parahyba)	PR1A	1010	0.5	
Joinville (Santa Catarina)	ZYA5	1010	0.5	Dr. V. Pareto Neto
Juiz de Fora (Minas G.)	PRE3	1010	0.25	Jose Augusto Mendes
Lahn (Sao Paulo)	PRG7	1010	0.1	Tte. Custodio Fontes
Limeira (Sao Paulo)	PRJ5	1550	0.1	Dr. Joao Tavares de Carvalho
Lins (Sao Paulo)	PRJ5	1550	0.1	
Manaos (Amazonas)	ZXB3	4885 sw.	0.1	
Natal (Rio Grande de Norte)	ZYB5	1270	1.	
Niteroiy (R. J.)	PRD8	1320	1.	
Paranahyba (Pianu)	PRE6	1470	1.	
Patos (Minas G.)	PRJ4	1470	0.5	
	ZYB4	1530	0.1	

Location	Call Letters	Frequency Kcs.	Power Kws.	Owner or Operating Agency
Pelotas (Rio Grande de Sul)	PRC3	580	0.25	Carlos G. Sica
Petropolis, L. (R. J.)	PRH4	1320	0.5	Atakualpa Dias
Piticaba (Sao Paulo)	PRH4	1460	1	Carlos Rodrigues Viana
Pocos de Caldas (Minas G.)	PRD6	820	0.25	Joao Sampaio Goes
Ponta Grossa (Parana)	PRH5	1160	0.25	Benedito Meira Borges
Porto Alegre (Rio Grande de Sul)	PRJ2	1250	.5	Manoel Machuca
Porto Alegre (Rio Grande de Sul)	PRH2	600	25.	Dearios Associados
Porto Alegre (Rio Grande de Sul)	PRF9	640	5.	Arthur Pizoli
Porto Alegre (Rio Grande de Sul)	PRC2	680	5.	Dr. Lelis Espartel
Pouso Alegre (Minas Gerais)	PRJ7	1530	0.1	Jose Nunes Rebello
Marilia (Sao Paulo)	PR12	1690	0.5	Oscar de Moraes Barros
Prudente (Sao Paulo)	PR15	970	0.25	Manoel Bussacos
Recife (Pernambuco)	PRH8	720	25.	Oscar Moreira Pinto
	PRH8	6012 sw.	5.	
Ribeirao Preto (Sao Paulo)	PRA7	730	0.5	Jose da Silva Bueno
Ribeirao Preto (Sao Paulo)	PRH7	1170		Lonzado Bueno
Rio Claro (Sao Paulo)	PRF2	1460	0.25	Waldemar Cartolano
Rio de Janeiro	PRA2	800	25	Ministerio Educacao Saude
	PRA3	860	10.	Dr. Rolpho Estevan de Siqueira
Rio de Janeiro	PRA9	1220	25.	Edmar Machado
Districto Fed.	PRB7	900	5.	Alceu Mario de Sa Freire
Districto Fed.	PRB7	6200 sw.	25.	
Districto Fed.	PRB7	9610 sw.	25.	
Districto Fed.	PRB7	15370 sw.	25.	
Rio de Janeiro	PRC8	1360	5.	Gulherme Manes
Districto Fed.	PRD2	1060	10.	Mario Villaca Meyer
Rio de Janeiro	PRD5	1400	1.	Francisco Gomes-Maciel Pinheiro
Districto Fed.	PRE2	1430	5.	Dr. Placido de Melo
Rio de Janeiro	PRE3	1180	7.5	Dr. Elisio Dantas
Districto Fed.	PRE3	980	25.	Dr. Gilberto de Andrade
Rio de Janeiro	PRF4	940	10.	Ernesto Ferreira Carneiro
Districto Fed.	PRF5	9500 sw.	12.	Dr. J. V. Pareto Neto
Districto Fed.	PRF5	9600 sw.		
Districto Fed.	PRF5	10220 sw.		
Districto Fed.	PRF5	15100 sw.		
Rio de Janeiro	PRG3	1280	10.	Dr. Teofilo de Barros
Districto Fed.	PRL9	9505		Brazilian Govt.
Rio de Janeiro	PRL8	11720		
Districto Fed.	PRL7	17850		
Rio de Janeiro	PRH8	1130	0.5	Francisco Xavier Filho

BRAZIL

Location	Call Letters	Frequency Kcs.	Power K.w.	Owner or Operating Agency	Location	Call Letters	Frequency Kcs.	Power K.w.	Owner or Operating Agency
Rio Grande (Rio Grande de Sul)	ZYC3	1510	0.1	Andrassy Ribeiro	Puerto Mont	CD101	1010	1.	Chilena de Comunicaciones
Rio Brejo (Sao Paulo)	PRB8	640	0.25	Hermenegildo da Rocha Brito	Puerto Mont	CD147	1470	0.1	Ernesto Riedel
Santos (Sao Paulo)	PRC5	1450	1.	Carlos Baccarat	Punta Arenas	CD103	1030	0.1	Ramon Verde Ramos
Sao Carlos (Sao Paulo)	ZYA6	580	0.1		(CD103 cancelled—moved without authorization and reported ship movements)	CD111	1110	0.1	Emilio Turina
Sao Carlos (Sao Paulo)	ZYA6	1500	0.1		Punta Arenas	CD113	1130	1.	Chilena de Comunicaciones
San Luiz (Maranhao)	PRJ9	1490	5.	Jose Ribamar Pinheiro	Punta Arenas	CD136	1360	0.45	Victoria Iglesias de Bianchella
Sao Manuel (Sao Paulo)	PR16	1510	0.1	Vitorino Ribeiro	Quilota	CB113	1130	0.1	Leopoldo Cirando G.
Sao Paulo (Sao Paulo)	PRE9	1000	25.	Dr. Joao Machado de Carvalho	Rancagua	CC63	630	0.6	Manuel Massoni
Sao Paulo (Sao Paulo)	PRE7	1410	5.	Dr. Joao Ferreira Fontes	Rancagua	CC109	1090	0.1	Jorge Romero Ramirez
Sao Paulo (Sao Paulo)	PRE7	960	5.	Dr. Ubratan Silveira Pamplona	Rancagua	CC145	1450	0.1	Alan Rojas
Sao Paulo (Sao Paulo)	PRG2	1040	25.	Dr. Antonio Herman Dias Menezes	S. Antonio (Puerto Viejo)	CB140	1400	0.1	Soc. Radiodifusora Onda Azul Ltda.
Sao Paulo (Sao Paulo)	PRG9	1100	25.	Mons. Dr. Francisco Bastos	Santiago de Chile	CB866	620	1.	International Machinery Co.
Sao Paulo (Sao Paulo)	PRH3	620	5.	Pedro de Camargo	Santiago de Chile	CB57	570	7.5	Soc. Nacional de Agricultura
Sao Paulo (Sao Paulo)	PRH9	840	5.	Jose Niccolini	Santiago de Chile	CB78	760	14.	Cia. Chilena de Comunicaciones S. A.
Sao Paulo (Sao Paulo)	PRAS	1260	5.	Joao Baptista de Amaral	Santiago de Chile	CB82	820	1.	Carlos Briceño, owner.
Sao Paulo (Sao Paulo)	PRAS	880	10.	Dr. Oswaldo Costa, Director	Santiago de Chile	CB89	890	1.	Rented for five years to Antonio Zarate Andreat
Sao Paulo (Sao Paulo)	PRB6	1200	5.	Oscar P. Seckler	Santiago de Chile	CB97	970	1.	Soc. Chilena de Radiodifusion y Propaganda
Sao Paulo (Sao Paulo)	PRE4	1300	5.	Olavo C. Fontoura	Santiago de Chile	CB101	1010	1.	Chilena de Comunicaciones
Sao Paulo (Sao Paulo)	ZYB7	6095 sw.	25.		Santiago de Chile	CB106	1060	5.	Manuel Casablanca Latorre
Sao Sebastiao Paraíso (Minas G.)	ZYA4	1510	0.1		Santiago de Chile	CB114	1140	50.	Corp. Chilena de Radio
Soracaba (Sao Paulo)	PRD7	1080	0.5	Orlando da Silva Reitas	Santiago de Chile	CB126	1260	10.	Soc. Chilena Radiodifusora S. A.
Taubate (Sao Paulo)	ZYA8	1580	0.1		Santiago de Chile	CD960	9600 sw.	2.0	Horacio Hevia Labbe
Uberaba (Minas G.)	PRE5	1390	0.5	Quintiliano Jardim	Santiago de Chile	CB130	1300	2.	German Holtheuer Valdivia
Uberlandia (Minas G.)	PRC6	1510	0.1	Aristides Figueiredo	Santiago de Chile	CB134	1340	2.	Empresa Periodistica "El Mercurio"
Varginha (Minas G.)	ZYB2	1590 sw.	0.1		Santiago de Chile	CB138	1380	5.	Jiles Y Cia.
Vitoria (Espirito Santo)	PR19	1350	0.1	Dr. Ciro Vieira da Cunha	Santiago de Chile	CB142	1440	2.	Clark Hnos.
Georgetown	VP3BG	6130	0.065	British Guiana Broadcasting Co., Ltda.	Santiago de Chile	CB144C	1440	0.2	Oscar Moraga Fuenzalida
Belize	ZIK-2	10600	0.2	Government	Santiago de Chile	CB150	1500	1.	Soc. Nacional de Agricultura
Antofagasta	CA141	1410	1.	Angel Garcia y Cia. Ltda.	Santiago de Chile	CB170	11700 sw.	0.3	Otto Becker, Ltda.
Antofagasta	CA177	1270	0.25	Horus Predreney Palma	Santiago de Chile	CB93	930	8.	Orlandini y Raggio Ltda.
Chillan	CC138	1380	0.15	Adriana Paguey de Logos	Talca	CC96	960	25	Alberto Guerra Cruzatt
Chillan	CC127	1270	0.1	Rafael Barrios	Talca	CC84	840	0.1	Francisco Morales Castillo
Concepcion	CC141	1410	0.1	Chilena de Comunicaciones (rented for 1 year to Rafael Arjona N.)	Temuco	CC97	670	0.1	Ramon Abasolo
Concepcion	CC117	1170	1.0	Federico Sanchez	Temuco	CC90	700	1.2	De Mayo Hnos.
Concepcion	CC64	640	0.3	Mario Saez Lagoa	Temuco	CD69	680	1.2	Daniel De Mayo Levi
Coquimbo	CA98	980	0.1	Cesar Nieme Abey	Temuco	CD125	1250	1.5	Soc. Radio Emisoras Sur de Chile
Curico	CC96	960	0.1	Alberto Guerra	Tocopilla	CA90	900	0.1	Hilda Cuellar
Iquique	CA83	630	0.25	Antonio Cajiao	Valdivia	CD64	640	1.0	Chilean Communications Co.
La Serena	CA108	1080	1.0	Ed. Encina Arancibia	Valdivia	CD59	590	1.0	Carlos Cockbaine
Osorno	CD84	840	1.5	Soc. Agricola y Granadera de Osorno	Valparaiso	CD132	1320	1.0	Soc. Coop. Vifa.
					Valparaiso	CB378	780	6.0	
					Valparaiso	CB970	9700 sw.	10.0	
					Valparaiso	CB90	900	.4	Emp. Periodistica "El Mercurio"
					Valparaiso	CB103	1030	0.75	Cia. Chilena de Comunicaciones S. A., Radio la Cooperativa Vitalicia Valparaíso, Chile
					Valparaiso	CB116	1160	1.	Patricio Edwards Linares
					Valparaiso	CB120	1200	1.	Angel I. Prieto Andreas

Location	Call Letters	Frequency Kcs.	Power Kw.	Operating Agency	Owner or Agency
Valparaiso	.....CB124	1240	0.25	Ramon Y Fernando Garcia y Cia.	Eduardo Cordoba
Valparaiso	.....CB132	1320	1.	Sociedad Wallace y Cia.	Rafael Angulo
Valparaiso (Vina del Mar)	.....CB84	640	3.0	Adriano Iz.	Jose T. Calderon N.
Valparaiso (Vina del Mar)	.....CB83	680	.5	Renard y Garcia Tello	Hernando Bueno Delgado, owner
Valparaiso (Vina del Mar)	.....CB111	1110	0.75	Joaquin Venegas	Cesar Mendoza Mazuera
Aguadas	.....HJFJ	1500	.025	Roberto Florez	Dirreccion de Educacion del V.
Armenia	.....HJFI	1540	1.	Bernardo Sanabacoloma and D. Julio Rondon E.	Alfonso Mesa Vargas
Armenia	.....HJFH	4875 sw.	.6	Botero y Cia. (Braulio Botero Londono)	Laboratories Fuentes, Rafael Fuentes, owner
Barranquilla	.....HJAA	1330	0.5	Alfonso Rosales Navarro	Lequerka Hermanos
Barranquilla	.....HJAG	4905 sw.	.45	Emisora Atlantic S. A., Angel M. Ruiz, owner	Saniel Dozman
Barranquilla	.....HJAH	1050	.4	Julian Melendez	Eivira de Pereira
Barranquilla	.....HJAI	1370	0.25	Vassallo Hinos y Mendez (Clemente Vassallo Gomez, owner)	Pomplillo Sanchez
Barranquilla	.....HJAK	1310	0.35	Eliecer Velasco	Carlos J. Sanchez G., Maria Teresa Ramirez R.
Barranquilla	.....HJAB	4785	1.	Miguel A. Ruiz	Vicente Vaitan Rondon
Barranquilla	.....HJAN	1190 sw.	1.	Colombia Broadcasting S. A. (Robt. Ramirez, Enrique Ramirez & Jorge Alford)	Luis E. Martinez
Barranquilla	.....HJAS	1275	.5	Gustavo Uribe Th.	Mario Cadavid
Bogota	.....HJAT	1105	.8	Manuel J. Gaitan	Hector Enrique Giraldo
Bogota	.....HJCB	6160	8.0	Manuel J. Gaitan	Manuel Agustin Varela
Bogota	.....HJCD	810	.5	Julio Bernal	Cia. Radio Manizales
Bogota	.....HJCC	870	5.	Manuel J. Gaitan	Alberto Hoyos A., Dlr.
Bogota	.....HJCE	1220	1.	Anez & Tobon Sierra	Antonio Pinzon H.
Bogota	.....HJCF	6073 sw.	0.75	Roberto Laignelet	Humberto Restrepo A., Francisco Cuatras
Bogota	.....HJCG	1060	0.5	Jesus M. Garcia	Cia. Colombia de Radiodifusion—Luis Ramos, owner
Bogota	.....HJCI	4895 sw.	0.75	Ministerio de Economia Nacional	Jaime Tobon R. (leased to Hernando Gomez)
Bogota	.....HJCH	810	.5	Manuel J. Gaitan	Prospero Aguirre
Bogota	.....HJCJ	1380	0.2	Manuel J. Gaitan	Cia. Antiquena de Radiodifusion (Fernando Restrepo Alvarez, owner)
Bogota	.....HJCK	1290	0.5	Anez & Tobon Sierra	Alfonso Jaramillo, Hernando Tellez, Jaime Garcia
Bogota	.....HJCN	1335	0.5	Roberto Laignelet	Universidad de Antioquia
Bogota	.....HJCO	1160	1.	Jesus M. Garcia	Hernando Teller B.
Bogota	.....HJCV	4945 sw.	.75	Manuel J. Gaitan	Julio Cesar Patho
Bogota	.....HJCW	4955 sw.	0.15	Manuel J. Gaitan	Teodulo Camacho, G.
Bogota	.....HJCQ	4955 sw.	0.15	Manuel J. Gaitan	Luis Linero
Bogota	.....HJCR	1200	3.0	Colombian Govt.	Rafael Angulo
Bogota	.....HJCT	6260 sw.	2.5	Colombian Govt.	Regulo Benitez
Bogota	.....HJCU	720	5.	Cristobal Paez G. y Cia. Ltd.	Gonzalo Vargas
Bogota	.....HJCA	4855 sw.	1.	Cristobal Paez G. y Cia. Ltd.	Sociedad Radio Narino—Sra. Elisa de Pesantes, owner
Bogota	.....HJCY	1460	.35	Cipriano Rios Hoyos	Bernardo Bueno Delgado
Bogota	.....HJCK	6018 sw.	0.75	Cia. Radiodifusion Colombiana—Jose V. Arias, owner	Cesar and Mario Arango M.
Bogota	.....HJ CZ	1040	1.0	Francisco A. Bueno	
Bogota	.....HJCS	920	50.	Heriberto Quintero	
Bucaramanga	.....HJGE	1130	.5	Jorge E. Berrío	
Bucaramanga	.....HJGB	4775 sw.	1.5	Bernardo Buena Delgado	
Bucaramanga	.....HJGK	1280	0.25	Sociedad Voces de Occidente	
Buenaventura	.....HJES	1525	0.05	Hernando Azcarate M., owner	
Buenaventura	.....HJEW	1355	0.22		
Buga	.....HJEI	1410	0.1		
Buga	.....HJEP	1485	0.5		
Call	.....HJEB	1150	1.0		
Call	.....HJED	4825 sw.	1.0		
Call	.....HJEC	1300	0.3		
Call	.....HJEE	1080	0.2		
Call	.....HJEL	1340	0.5		
Call	.....HJEF	1260	0.3		
Call	.....HJEX	1395	0.3		
Call	.....HJET	4865 sw.	2.3		
Call	.....HJEN	1370	0.5		
Cartagena	.....HJAE	4965 sw.	.48		
Cartagena	.....HJAF	1240	0.252		
Cartagena	.....HJAP	4925 sw.	0.5		
Cartagena	.....HJAR	1400	0.3		
Cartago	.....HJEO	1230	0.5		
Cienega	.....HJEE	1460	.25		
Cucuta	.....HJEB	4815 sw.	0.75		
Girardot	.....HJEC	1270	0.5		
Girardot	.....HJCL	1460	0.25		
Girardot	.....HJCV	1420	0.1		
Ibaque	.....HJFC	1500	0.1		
Ibaque	.....HJFL	1440	0.1		
Ibaque	.....HJFP	1550	.075		
Libano (Tolima)	.....HJFO	1520	.05		
Magangué	.....HJAC	1420	0.1		
Manizales	.....HJFB	6105 sw.	1.00		
Manizales	.....HJFD	1390	0.75		
Manizales	.....HJFX	600	1.		
Medellin	.....HJDA	1285	0.42		
Medellin	.....HJDC	1360	0.6		
Medellin	.....HJDX	4795	.6		
Medellin	.....HJDE	6145 sw.	5.		
Medellin	.....HJDK	1250	.5		
Medellin	.....HJDL	1480	0.5		
Medellin	.....HJDM	1520	0.5		
Medellin	.....HJDQ	1320	0.75		
Medellin	.....HJDP	4885 sw.	.6		
Medellin	.....HJDR	1380	0.3		
Medellin	.....HJDT	1150	0.25		
Medellin	.....HJDZ	1490	0.25		
Medellin	.....HJDU	4805 sw.	.75		
Medellin	.....HJCB	1465	0.5		
Medellin	.....HJAL	1420	0.1		
Medellin	.....HJFN	1520	.1		
Medellin	.....HJFP	1520	.1		
Medellin	.....HJBF	1525	0.1		
Medellin	.....HJEJ	1460	0.3		
Medellin	.....HJEQ	1180	0.5		
Medellin	.....HJBA	1400	0.1		
Medellin	.....HJHA	1350	0.35		
Medellin	.....HJHB	1170	0.5		
Medellin	.....HJFA	6054 sw.	.75		
Medellin	.....HJFE	1470	0.499		
Medellin	.....HJFQ	1120	.5		

COLOMBIA

Location	Call Letters	Frequency Kcs.	Power Kws.	Owner or Operating Agency	Location	Call Letters	Frequency Kcs.	Power Kws.	Owner or Operating Agency
Pereda	HJFK	6097 sw.	2.5	Sociedad "La Voz Amiga"	Camaguey	CMJA	1060	0.25	Rafael Valdes
Popayan	HJFA	1350	1	Antonio Giraldo C. & Son	Camaguey	CMJE	1230	0.25	Primo A. Casares
Popayan	HJEA	1300	.5	Jesus Hernando Hornaza	Camaguey	CMJF	1300	0.25	Gertrudis de la Cruz Perez
Quibedo	HJEG	1450	0.3	Mercedes M. De Valencia	Camaguey	CMJW	1400	0.25	Andres M. Cisneros
	HJEG	4805 sw.	.5	Indendencia del Choco Cultural	Cardenas	CMJC	1340	0.25	Fernando Terron Bolanos
Santa Maria	HJBH	1410	0.5	Manuel C. Conde	Cerro	CMGE	1470	0.25	Gerardo Sabater
Santa Maria	HBJJ	1140	0.5	Julio A. Sanchez		CMCB	1330	0.25	Metropolitan Radio de Cuba S. A.
Santander	HJEH	1550	0.25	Escuela Rafael Tello	Cienfuegos	CMHM	1450	0.25	Jose Ramon Remenias, Jr.
Sevilla	HJET	1510	0.25	Daniel Benitez	Cienfuegos	CMHJ	1350	0.25	Romauldo Ugalde Cordero
Tocaima	HJCP	1530	0.082	Ruperto Aguilera Leon (Catholic station)	Ciego de Avila	CMJI	1440	0.25	Luis Maraury Mendoza
Tunda	HJEK	1420	.1	Hernando Bueno Delgado	Ciego de Avila	CMJM	1270	1	G. Gessa Lopez
Tunja	HUGA	1425	.25	Pedro Martinez	Ciego de Avila	CMJO	1470	0.25	Benifacio Villdefonso
					Cruces, L. V.	CMHK	1380	0.25	Virgilio Villanueva
					Guanabacoa	CMBH	1540	5.0	Vicente Espinosa
					Guanabacoa	CMCF	910	3.5	Radio Internacional
					Guantanamo, Orte	CMKS	900	0.25	Candido Savon Suarez & Martinoli
Alajuela	T15JJM	575	.8	Emilio E. Martinez	Guantanamo	CMKH	1130	0.25	Virgilio Arciero Maffei
Cartago	T1M	735	0.75	J. Mario Cardos	Havana	CMCI*	1580	0.25	Rafael Rodriguez
	T14NRH	710	0.75	Amanda Cespedes M.	Havana	CMCR**	1580	0.25	Juan Gonzalez y Seneriz
		9632 sw.	0.75		Havana	CMCA**	1490	0.25	Augusto Testar y J. M. Gonzalez
Heredia	TIWS	6065 sw.	0.3	Manuel Campos J.	Havana	CMCG**	1460	0.25	Dr. Miguel Angel Campos
Puntarenas	TIJMP	680	1.0	Jose Maria Pinaud	Havana	CMCQ	1420	.25	Havna Martinez
San Jose	TIGPH	605	6.5	Gonzalo Pinto H.	Havana	CMBX**	1390	0.25	Vicente Espinosa
San Jose	TIGPH2	800	3.	Gonzalo Pinto H.	Havana	CMOA**	1360	0.25	Juan Fernandez Duran
San Jose	TIPG	625	5.0	Perry Girtton	Havana	CMC**	1360	0.25	Rafael Valdes
San Jose	TIGH	9815 sw.	2.5		Havana	CMBG**	1390	.25	John L. Stowers
San Jose	TIVP	680	2.	Jose Maria Pinaud	Havana	CMCX-	1290	.25	Jose Custodio Millagro
San Jose	TILJ	775	0.5	Narciso Garcia	Havana	CMCH	1230	.25	Rumbaut y Lenza
San Jose	TIEP	6700 sw.	1.	Lola Monje M. de Jimene	Havana	CMCW	11616	1.0	Jose Vilarino
		830	3.	Eduardo Pinto H.	Havana	COK	1190	0.5	Cuban Natl. Sports Department
		1225	3.		Havana	CMCU	7190	0.5	Jorge Garcia Serra
San Jose	TIRS	920	.4	Rogelio Sotela B.	Havana	CMZI	1150	5.	Govt. of Cuba—Ministry of Natl. Defense
San Jose	TIOS	940	0.5	Rafael Sotela	Havana	CMBQ	1110	.25	Jose Castro Velga
San Jose	TIRH	970	1.0	Rafael Hine Chavarria	Havana	CMBY	1060	.25	Pages y Cia.
San Jose	TIFA	6150 sw.	0.25		Havana	CMCM	9833	1.0	Cia. Transradio Columbia
San Jose	TISMG	1000	0.25	Francisco Arie	Havana	COCM	1010	10.	Francisco A. Lavín
San Jose	TINBC	1045	0.5	Guillermo Zniga	Havana	COCX	11650 sw.	1.0	Manuel y Guillermo Sales
San Jose	TIRZ	1070	2.0	Perry Girtton	Havana	COBZ	950	1.0	Manuel y Guillermo Sales
San Jose	TIRRC	1150	1.	Heli Zuniga	Havana	CMK	9030 sw.	.25	Fausto Montiel
San Jose	TIRRC	1200	0.5	Carlos Borge	Havana	CMQ	830	25.0	Circuito CMQ
San Jose	TIBAS	6180 sw.	0.3		Havana	CMCY	590	15.	RRC Cadena Azul S. A.
San Jose	TILS	880	5.	Gonzalo Pinto H.	Havana	COY	11740 sw.	2.5	Adolfo Gil y Miguel Troncoso
San Jose	TIMACHO	6165 tw.	2.	Luis Saenz Mata	Havana	COV	6325	0.1	
		1100	.5	Maximo Chaves Arias	Havana	COVW	600	1.	
					Holquin	CMKV	1490	.25	Manuel J. de Gongora
Artemisa	CMAX	660	.25	Juan de Dios Careno y Valdes	Holquin	CMKF	1490	1.0	Circuito CMQ
Bayamo	CMXX	1090	.25	Oscar Vidal Benitez	Holquin	CMKJ	970	.25	Manuel Angulo Farran
Caibarien	CMHD	1560	5.	Manuel Alvarez	Holquin	CMKO	1220	.25	
			0.2*	*Present authorized power	Jovellanos	CMGN	1310	1.	
Camaguey	CMJL	920	10.0	Circuito CMQ	Marianao	CMBF	730	1.2	Cia. Radio Universal S. A.
Camaguey	CMJN	740	1.	Cadena Azul, S. A.	Marianao	CMZ	1260	1.2	Ministry of Education, Govt. of Cuba
Camaguey	CMJK	620	0.25	Jones Castrillon y Cia.		COX	9640	1.2	
	COJK	8665 sw.	1.0			CMZI	7190	.3	

COSTA RICA

CUBA

Location	Call Letters	Frequency Kcs.	Power Kw.	Operating Agency	Owner or Operating Agency
Matanzas	CMGH	1440	0.6	Garcia Alvarez and heirs	
Matanzas	CMGF	1240	0.25	Bernabe R. de la Torre	
Manzanillo	CMKE	11800 sw.	0.25	Cia. Radioemisora Manzanillo	
Manzanillo	CMKM	560	0.25	Raimundo Comas Doler, Merchan y P. Figueredo	
Neuvas	CMJQ	1580	.25	Caspar Estevez	
Palma Soriano, Orte	CMKZ	1430	.25	Joaquin Venero Obregon	
Piner del Rio	CMAB	1450	.25	Francisco Martinez	
Piner del Rio	CMQA	810	1.0	Circuito CMQ	
Piner del Rio	CMAN	1300	1.0	RHC	
Placetaz, L. V.	CMHP	1320	.25	Candido de Los Angeles, Guayara Pedome	
Puerto Padre	CMKY	1350	0.1	Pedro Zacca Checa	
Rancho Boyeros	CMCK	980	5.0	Luis y Ernesto	
	COCO	870	2.0	Casas Rodriguez	
Rancho Boyeros	COCK	790	1.0	Domingo Fernandez Cruz	
	COBC	9363 sw.	1.0	La Voz del Aire S. A.	
Regia	COCD	630	5.0	Obelardo Menocal	
	COCD	6130	1.0	V. E. Weiss y O. Ramirez Isla	
Sagua La Grande	CMHA	1280	.25	RHC	
Sancti Spiritus	CMHB	1310	.25	Circuito CMQ	
Santa Clara	CMHI	570	15-D	RHC	
Santa Clara	COHU	6453	1.0	RHC	
Santa Clara	CMHQ	800	10.0	Circuito CMQ	
Santa Clara	CMHW	950	1.	RHC	
	CMHN	960	1.	Enrique Lasanta	
Santa Clara	CMHO	1250	.25	Francisco Chavarry Fuster	
Santa Clara	CMHX	1460	.25	RHC	
Santiago de Cuba	CMKN	930	1.	Circuito CMQ	
Santiago de Cuba	CMKU	640	1.0	Ricardo Miranda, Cortes y Raul Solariy Exchevarria	
Santiago de Cuba	CMKW	1000	1.0	Raul Solariy Exchevarria	
Santiago de Cuba	CMKC	1250	.25	Roberto Miguel Gonzalez	
Santiago de Cuba	CMKR	1390	.25	Jaime Nadal	
Santiago de Cuba	CMKD	1290	1.	Otto Juan Vinas Gimeno	
San Luis, Oriente	CMKQ	1460	0.5	Angela Viedelo Quintero	
Trinidad	CMHT	990	.25	F. E. Solo del Valle	
Vedado	CMOX	1490	.25	Perez y Chisholm	
Vedado	CMCO	1230	.25	Enrique Lasanta Oliver	
Vedado	CMBD	1460	.25	Luis Perez Garcia	
Vedado	CMBS	1090	.25	Enrique Artaleso Fernandez	
Victoria de las Tunas	CMKG	1050	.25	Emilio Gran Medina	
Oriente	COKG	7058	1.2		

** Share time.

DOMINICAN REPUBLIC

Location	Call Letters	Frequency Kcs.	Power Kw.	Operating Agency	Owner or Operating Agency
Ciudad Trujillo	HIZ	1350	0.2	Frank Hutton	
Ciudad Trujillo	HIZ	6318 sw.	0.1	Frank Hutton	
Ciudad Trujillo	HIJ	1180	.075		
Ciudad Trujillo	HIAM	1150	.02	Jorge L. Rodriguez	
Ciudad Trujillo	HITP	1300	.25	J. M. Roques Roman	
Ciudad Trujillo	HIN	1090	0.15	Partido Dominicano	
Ciudad Trujillo	HIIN	6243	0.07	Dominican Govt.	
Ciudad Trujillo	HIX	950	0.25	Dominican Govt.	
	HIXX	11960 sw.	0.25		
	HILX	6340 sw.	0.25		
Ciudad Trujillo	HIG	900	0.05	A. Cordero Puello	
Ciudad Trujillo	HIG	6280 sw.	0.04	A. Cordero Puello	
Ciudad Trujillo	HIG	6120 sw.	0.25	A. Cordero Puello	
Ciudad Trujillo	HIZG	9140 sw.	0.25	J. C. Pellicer	
Ciudad Trujillo	HIL	6175 sw.	.08	J. C. Pellicer	

ECUADOR

Location	Call Letters	Frequency Kcs.	Power Kw.	Operating Agency	Owner or Operating Agency
Ambato	HCIVT	6550 sw.	0.1	Municipio de Ambato	
Cuenca	HCIAO	4200 sw.	.0015	Humberto Espinosa	
Cuenca	HCIC	7461 sw.	.004	Comunidad Salesiana	
Guayaquil	HC2CW*	900 sw.	.0025	Alfonso Sijmout	
Guayaquil	HC2OAD	8400 sw.	0.2	Odalia Aruz de Garcia	
Guayaquil	HC2AJ	900	0.1	Cia. Radiodifusora del Ecuador	
Guayaquil	HC2JBS	1050	1.0	Juan S. Beher	
Guayaquil	HC2RB	1250	0.2	Eric Williams	
Guayaquil	HC2CM	1250 sw.	0.1	Jose Santiago Castillo	
Guayaquil	HC2FT	9200 sw.	0.2	Jose Santiago Castillo	
Guayaquil	HC2GI	1165	0.1	Augusto Alvarado Oica	
Guayaquil	HC2DC	1350	0.2	Augusto Alvarado Oica	
Guayaquil	HC2AU	6647 sw.	0.2	Municipio de Ibarra	
Ibarra	HC2RL	4020 sw.	0.3	Clarence W. Jones	
Portoviejo	HC1DM	3645 sw.	.008	Clarence W. Jones	
Portoviejo	HC1B4	974	.7	Clarence W. Jones	
Quito	HC2JB	4108 sw.	0.150		
		12455 sw.	7.0		
		9958 sw.	.7		
		28040 sw.	.025		
		7285 sw.	.14		
		27850	1.0		
		14200	1.0		
		7068	1.0		

† It is reported that this station is being operated by the Govt. on 4500 kc. as a communications station.

Location	Call Letters	Frequency Kcs.	Power Kw.	Owner or Operating Agency
Quito	HCIPM	5725 sw.	0.15	Leonardo Ponce
Quito	HCQR	1330	0.3	Carlos Mantilla O.
Quito	HCQRX	3970 sw.	0.3	Carlos Mantilla O.
Quito	HCBT	1304	0.25	Cesar Mantilla
Quito	HCBS	9350 sw.	0.25	
Quito	HCK*	5885 sw.	0.3	Miguel Olugel Gonzales, owner; Padre Elias Brito, Dir.
Quito	HCIGP	7874 sw.	0.2	
Quito	HCIAD	1410	.25	Operated by Cia. Anterandina de Broadcasting—Vicente Ordonez Pellares, Enrique Arrengui R.
Quito	HCIAB			Adriano Jaramillo
Quito	HC2ROZ	7265	.3	
Quito	HCI BF	1111	.2	
Riobamba	PRADO	6618 sw.	0.5	

EL SALVADOR

San Salvador	YSR	6520 sw.	0.8	Alberto Cevallos
San Salvador	YSS	990	2.5	
San Salvador	YSS	640	0.5	Direccion General de Comunicaciones, Govt. of El Salvador
San Salvador	HUB	4795 sw.	0.3	
San Salvador	YSD	7894	0.5	
San Salvador	YSM	11710	0.4	
San Salvador	YSP-1	780	.115	Fernando Alvaieros Sosa
San Salvador	YSP-A*	1560 sw.		
San Salvador	YSP-B	780		
San Salvador	YSO	10400 sw.		
San Salvador	YSO	6150 sw.		

* Reported off the air by FBIS.

GUATEMALA

Guatemala City	TG1	1310	0.3	Govt.
Guatemala City	TG2	6220 sw.	1.	Department of Communications
Guatemala City	TG3	2320	.015	Guatemala Govt.
Guatemala City	TGW	640	10.0	
Guatemala City	TGWA	15170 sw.	10.	
Guatemala City	TGWB	6480 sw.	1.	
Guatemala City	TGWC	1520 sw.	1.	
Guatemala City	TGX	1415	.05	Miguel Angel Mexicano Novales
Quezaltenango	TGQ	1450	1.	Govt.
Quezaltenango	TGQA	6400 sw.	0.2	

HAITI

Port-au-Prince	HHWB	9550		
Leogane	HHK*	6200	25.	Haitian Govt.
		9620 sw.		
		1820 sw.		
		17850 sw.		
		21670 sw.		
Port-au-Prince	HH3W	920		
	HHW	10135 sw.	0.5	Ricardo C. Widmaier, Jr.
	HH2W*	1230	0.25	
		6135 sw.	.03	

Location	Call Letters	Frequency Kcs.	Power Kw.	Owner or Operating Agency
Port-au-Prince	HH2S	5945	0.4	
Port-au-Prince	HHBM	6167 sw.	0.1	Frank C. Magliore

* Reported off the air by FBIS.

HONDURAS

Ceiba	HRD2	6235 sw.	0.2	Ing. M. R. Moncada
San Pedro Sula	HRPI	6351 sw.	0.15	Filberto Diaz Zelaya
Regucigaipa	HRN	6875 sw.	.2	Rafael Ferrari

NICARAGUA

Granada	YNBT	7500 sw.	0.1	Jose F. Tercero Z.
Granada	YNLAT	7625 sw.	0.1	Leonidas A. Tenorio
Leon	YNWW			
Leon	YNJAT	5758 sw.	0.6	Jose Agustin Tjjerino
Managua	YNDG	6850 sw.	0.8	Dionisio E. Gallo
Managua	YNLG	1530		
Managua	YNDS	6610 sw.*	1.	
Managua	YNFS	8590 sw.*	0.8	
Managua	YNOW	1230*		
Boaco	YNBO	6760 sw.	1.0	La Voz de Nicaragua (Govt.)
Managua	YNQC	6850 sw.*	0.8	Mendoza y Hermanos

* Reported off the air by FBIS.

PANAMA

Colon	HP5K	6005 sw	0.2	Jose Jaen y Jaen
	HOK	640	0.25	
Panama	HP5G	11780 sw.	.6	Radio Panamericana
Panama	HOA	1000	.4	
Panama	HOC	1440	.025	Jose Jaen y Jaen
Panama	HP5A	11700 sw.	.3	Jose Jaen y Jaen
Panama	HOQ	1250	0.25	Fernandez Jose Herrera, Jr.
Panama	HP5B	6030 sw.	0.15	Ernesto de la Guardia, Jr.
Panama	HP5C	730	.4	
Panama	HP5H	6122 sw.	0.15	M. Lombardo Vega
Panama	HP5J	9600 sw.	0.2	Servicio Publica de Radio,
Panama	HP6J	1358 sw.	0.1	Manuel Doce

PARAGUAY

Asuncion	ZPA1	6010	2.5	Official Govt. Station
Asuncion	ZP1	970	0.1	Atilio C. Bajac
Asuncion	ZP4	730	0.1	Iseru and Scarello
Asuncion	ZP8	11850 sw.*	0.1	
Asuncion	ZP6	1300	0.1	Emilio Jordan Livieres
Asuncion	ZP9	970	1.2	A. C. Bajac
Asuncion	ZP10	1330	0.1	Victor Noriega
Asuncion	ZP11	1200	0.1	Juventus Antoniana
Asuncion	ZP13	1430	0.1	Julio Picosi Villagra
Asuncion	ZP17	1030	0.1	Jose Hanemann
Asuncion	ZP3	700	.5	Teleco Paraguaya S. A.
Asuncion	ZPA3			

Location	Call Letters	Frequency Kcs.	Power Kws.	Operating Agency	Owner or Agency
Asuncion	ZPA2	11721 sw.*	5.	Teleco Paraguaya S. A.	
	ZPA6	7890 sw.*	5.		
	ZPA7	15780 sw.*	5.		
	ZP03	13333 sw.*	5.		
Encarnacion	ZP5	920	5.0	Philips Argentina, S. A.— operator: Jaime Yankelevich vitch—owner	
Encarnacion	ZP7	900	0.1	Julio Cormillot	
Villarrica	ZP15	700			
Villarrica	ZP6	1300	0.1	Emilio Jordan Livieres	
* Reported off the air by FBIS.					

URUGUAY

Canelones	CW47	1470	0.3	Julio J. Rabassa
Canelones	CW3	580	0.3	Diario Rural S. A.
Cerro Largo-Melo	CW53	1580	0.25	Ruben D. Lucas
Colonia	CW1	550	4.5	R. Berotti & R. Montellano
Colonia	CXA8	11840	3.0	Jaime Yankelevich
Colonia	CXA14	6055	1.0	Jaime Yankelevich
Durazno	CW25	1430	0.5	Artola, Evangelisti y Cia.
Florida	CW33	1200	0.075	Omar F. Barreiro
Lavalleja-Minas	CW43	1420	0.5	Juan R. Volante
Maldonado	CW51	1560	0.5	Hector Lamaison
Montevideo	CX4	610	5.0	Direccion Agronomia (Ministry of Agriculture)
Montevideo	CX6	650	20.0	Servicio Oficial D. R. F. (Ministry P. E.)
Montevideo	CX8	690	0.5	Ramon Puyal
Montevideo	CX10	730	1.0	Baile y Gestoso
Montevideo	CX12	770	20.0	Luis A. Artola
Montevideo	CX14	810	15.0	Difusoras del Uruguay
Montevideo	CX16	850	50.0	SADREP Ltda.
Montevideo	CX18	890	5.0	Difusoras El Espectador Ltda.
Montevideo	CX20	930	2.0	Carlos L. Romay
Montevideo	CX24	1010	2.5	SADREP Ltda.
Montevideo	CX28	1090	5.0	Walfrido Figuiera Moran
Montevideo	CX30	1130	2.0	Silva y Larrea
Montevideo	CX32	1170	0.5	Comp. Uruguaya de Publicidad
Montevideo	CX36	1250	1.0	Vazquez y Walder
Montevideo	CX38	1290	5.0	Servicio Oficial D.R.E. (Ministry P. E.)
Montevideo	CX40	1330	0.5	Julio J. Rabassa
Montevideo	CX42	1370	1.0	Hector Vernazza
Montevideo	CX44	1410	0.25	Julio J. Rabassa
Montevideo	CX46	1450	1.5	Guzman Bertachi
Montevideo	CXA3	6075	2.5	Leon y Landeira
Montevideo	CXA4	6125	5.0	Radio Electrica
Montevideo	CXA6	9620	20.0	(Ministry of P. E.—Uruguayan Govt.)
Montevideo	CXA10	11900	20.0	
Montevideo	CXA18	15300	20.0	
Montevideo	CXA19	11705	4.0	Difusoras El Espectador Ltda.
Montevideo	CXA21	6170	1.0	Julio J. Rabassa
Montevideo	CXA30	6035	1.0	Silva y Larrea
Paysandu	CW35	1240	0.25	Alfonso M. Ordoqui
Paysandu	CW39	1220	0.1	Miguel Penna
Rivera	CW43B	1480	0.75	Walfrido Figuiera Moran
Rivera	CW49	1340	0.06	Jorge Dowton Garcia
Rocha	CW19	1340	0.05	Abel Machado
Salto	CW23	820	0.25	Domingo Giordano
Salto	CW27	660	0.25	Luis Batlle Berres
Salto	CW31	1120	0.25	Salvador E. Pera
San Jose	CW41	1360	0.05	Pedro Bruccoli
San Jose	CW47A	1510	0.1	Fasola Rios y Tibori
Soriano-Mercedes	CX52	1570	0.5	Anibal Frabaside, Juan Orlandi Kelly, Jose Pedro Irigaray, y Florencio Donato Montero
Soriano-Mercedes	CW40B	1460	0.05	Roberto Tarucell
Tacuarembó	CW46A	1400	2.0	Luis S. Dini
Treina y Tres	CW45	1390	0.25	Marroche y Lacurcia

PERU

Arequipa	OAXGB	6035 sw.	0.15	Maximo J. Landa
Arequipa	OAX9C	1370	0.25	J. Antonio Umbert F.
	OAX8E	6055 sw.	0.3	
	OAX6D	9500 sw.	0.25	
Arequipa	OAX6A	6050 sw.	0.1	Jorge E. Olazabal Benavides
Callao	OAX4C	1160	0.3	Alvarada & Urteaga
Chichayo	OAX1A	6150 sw.	0.2	J. Carlos Montoy D'
Cuzco	OAX7A	6128 sw.	0.1	Carlos Lizarraga Fisher-Montero
Huancayo	OAX4P	6200 sw.	0.25	Alfredo Elejalde Granados
Huanuco	OAX3A	6116 sw.	0.4	Victor Priano Storace-Castilla
Ica	OAX5B	1460	0.2	Luis de los Heros y de los Rios
Lima	OAX5C	9590 sw.	0.2	
Lima	OAX4H	6095 sw.	1.	Armando Ortiz Lambert
	OAX4F	1080	0.25	
Lima	OAX4B	1200	0.25	
	OAX4G	6190 sw.	0.25	
Lima	OAX4Z	6082 sw.	15.	Gobierno del Peru
	OAX4A	854	10.	
	OAX4T	9562 sw.	10.	
	OAX4R			
Lima	OAX4E	960	0.2	Ing. Juan P. Golcochea
	OAX4K	9545 sw.	0.25	
Lima	OAX4J	1320	0.25	
	OAX4I	9520	0.2	Dladeras Samanez
Lima	OAX4X			
	OAX4Q			
Lima	OAX4L	1250	0.2	
Lima	OAX4U	1080	5.	
	OAX4V	6010	2.	
	OAX4W	9510	0.5	
Trujillo	OAX2A	6000.57 sw.	0.25	Rafael Larco Hoyle
	OAX2B	1400	0.25	

SURINAM (DUTCH GULIANA)

Paramaribo	ZPH	5865	0.150	J. C. Herrenberg, Chairman, of private radio club "AVROS." Tech. equip. owned by Surinam Govt.
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VENEZUELA

Acarigua	YV3RF	3490 sw.	.104	Pausides Sigala
Barcelona	YV6RC	3450 sw.	1.5	L. J. Arreaza
	YV6RE	1080	.25	
Barquisimeto	YV3RE	1475	.775	Amilcar Segura
	YV3RN	4990 sw.	.300	
Barquisimeto	YV3RS	3490	.65	Rafael A. Segura
Caracas	YV5RN	4920 sw.	5.0	Ricardo Espina, Dir.
	YV5RA	960	10.0	Almascen Americano
Caracas	YV5RM	780	4.72	Dogowitzke Sidlitz
	YV5RH	6150	2.3	H. Deewitz, Dir.
Caracas	YV5RX	720	1.0	Pbro. J. M. Fallin
	YV5RZ	3430 sw.	.75	(Catholic Church)
Caracas	YV5RG	1010	.96	Compania Anonima
	YV5RU	4860 sw.	5.0	C. E. Riskel, Dir.
Caracas	YV5RI	580	1.138	Oscar Vincentelli, Director
	YV5RY	3380 sw.	1.98	
Caracas	YV5RL	1160	1.0	Ponce & Benzo Scs.
	YV5RW	3400 sw.	1.15	
Caracas	YV5RQ	882	1.182	Cia. Anonima
	YV5RS	3360 sw.	2.1	H. Deewitz, Dir.
Caracas	YV5KA	680	.88	National Govt.
	YV5KB	4890 sw.	5.	National Govt.
	YV5KC	6172 sw.	2.2	National Govt.
	YV5KD	9640 sw.	2.2	National Govt.
	YV5KE	11725 sw.	2.2	National Govt.
	YV5KF	15315 sw.	2.2	National Govt.
Ciudad Bolivar	YV6RA	1400	.68	E. Torres Valencia Sucs.
	YV6RB	4790 sw.	.96	
Coro	YV1RT	3300 sw.	1.75	J. Romero
	YV1RY	4770 sw.	.30	Roger Leyba
Coro	YV1RW	1370	.193	Roger Leyba
Cumana	YV7RA	1200		L. J. Arreaza
	YV7RB	3470 sw.		L. J. Arreaza
	YV7RC	1050	.75	Carlos L. Perez
La Guaira	YV5RV	4760 sw.	1.05	Carlos L. Perez
	YV5RW	1300	.09	Luis Garcia N.
Maracaibo	YV1RA	4750 sw.	.30	Pedro Bermudez
	YV1RV	1400	.52	
Maracaibo	YV1RC	3370 sw.	.455	L. G. Govea
	YV1RD	1150	.2	L. G. Govea
Maracaibo	YV1RU	3440 sw.	1.0	N. Vale Quintero
	YV1RF	1120	.55	
Maracaibo	YV1RX	4800 sw.	2.0	J. A. Higuera
	YV1RL	4810 sw.	.300	J. A. Higuera
Maracaibo	YV1RK	1250	.437	Attilo Ormezzano
	YV4RK	3390 sw.	.465	
Maracaibo	YV4RL	1430	.193	Luis Croquer
	YV4RX	3310 sw.	.1	
Merida	YV4RD	1150	.1	A. M. Quintero
Pt. Cabello	YV2RC	3420 sw.	.60	Rafael A. Segura
	YV4RR	1490	.520	
San Cristobal	YV4RQ	3480 sw.	.885	J. Diaz Gonzalez
	YV2EN	4820 sw.	2.0	
Trujillo	YV2RB	980	.325	Pedro J. Torres
	YV2RE	3310 sw.	2.0	Jorge L. Forbes, owner;
Valera	YV1RO	4840 sw.	.30	Pedro Flores I., Dir.
	YV1RZ			H. & G. Degwitz
Valencia	YV4RO	4780 sw.	.30	
	YV4RA	1350	.83	
Valencia	YV4RE	3460 sw.	1.0	Miguel Ache
	YV4RP	1400	1.138	

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Some Contemporary Radio Clubs

The Association of North American Radio Clubs, 1500 Bunbury Drive, Whittier CA 90601.
 All Ohio Scanner Club, P.O. Box 148, Vandalia OH 45377.
 American Short Wave Listeners Club, 16182 Ballad Lane, Huntington Beach CA 92649.
 Association of Clandestine Enthusiasts, P.O. Box 452, Moorhead MN 56560.
 Association of DX Reporters, 7008 Plymouth Rd., Baltimore MD 21208.
 Great Circle Shortwave Society, P.O. Box 874, Kankakee IL 60901.
 International Radio Club of America, P.O. Box 26254, San Francisco CA 94126.
 Longwave Club of America, 45 Wildflower Rd., Levittown PA 19057.
 National Radio Club, P.O. Box 118, Poquonock CT 06064.
 North American Shortwave Association, 45 Wildflower Rd., Levittown PA 19057.
 Scanner Association of North America, 240 Fencil Lane, Hillside IL 60102.
 SPEEDX, 7738 East Hampton St., Tucson AZ 85715.
 Canadian International DX Club, 6815 12th Avenue, Edmonton, Alberta, Canada T6X 3J6.
 Ontario DX Association, O.O. Box 211 Station Z, Toronto, Ontario, Canada M5N 2Z5.

These represent the best of the organizations dedicated to broadcast and communications monitoring enthusiasts. There are, of course, many other fine organizations in the field of communications, but directed towards different specialties. Those interested in ham radio communications are invited to contact the American Radio Relay League, 225 Main Street, Newington CT 06111. The ARRL's monthly publication "QST," and the independent monthly publication, "CQ," are the two leading ham periodicals.

Monthly publications of interest to radio monitoring enthusiasts include Popular Communications, 76 North Broadway, Hicksville NY 11801-- this is also the address of the ham's CQ magazine. Also check out Monitoring Times, 140 Dog Branch Rd., Brasstown NC 28902, and The Shortwave Guide, P.O. Box 691, Thorndale PA 19372-- two worthwhile periodicals available by direct subscription.

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SPECIAL!!
For a Limited Time Longer!

The sensational "Ace Dace" Two Tube receiver for only \$2.25! Thousands sold at regular \$3.00 price. **THIS MONTH ONLY**—for \$2.25 we send you, postpaid, the complete kit containing an attractive metal chassis, panel, and every part needed to build this powerful all electric short and long wave receiver, unwired, less tubes and phones. No batteries needed! Just plug into any house current socket. **AMAZING VALUE!** Can actually bring in foreign stations from all parts of the world, police calls, airplanes, amateurs, etc., as well as your local stations! Ace radios give **GUARANTEED RESULTS!** Our clear diagrams make it simple to hook-up. Free Circular.

ONE TUBE Battery operated receiver. Complete kit of parts, unwired, less tubes, batteries, and phones. **\$1.25**

TWO TUBE Battery receiver. For most excellent beginner's receiver! Complete kit—less tubes, batteries, phones. **\$2.00**

Any kit laboratory wired and tested 75c extra. First grade tubes—75c each. Double headphones—\$1.15. **REMEMBER!** We pay the postage. Saves you up to 50c. **ENJOY NEW THRILLS!! SEND FOR YOUR ACE RADIO TODAY!**

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Barclay St. Dept. C-5 New York City

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This new receiver has everything you have ever looked for in a short-wave set. It is newly designed, is compact—a great distance getter—regularly brings in Italy, Spain, Germany, England and many other countries. Know the THRILL of distance—listen in on police calls, aircraft communication. Can be installed in your car or motor boat.



The LEOTONE A.C. Receiver uses the following Arcturus tubes: 58-R.F., 57-detector, 56-1st. A.F., 2A5-2nd. A.F., and 80 Rectifier. Complete Kit with 2 sets of coils (8 coils) and Arcturus Tubes \$18.95
Completely wired kit—with Arcturus Tubes \$21.95
Foundation Kit—including 1 metal case, 1 chassis and 1 shielded compartment..... \$ 2.45

Special Shielded S. W. Battery Set

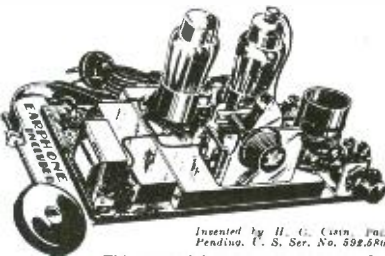
Perfect performance assured—this set has a "KICK". Uses the following tubes, 1-30, 1-32, 1-33, 1-34 low current drain tubes. Complete kit of parts with two sets of coils (8 coils) and Arcturus Tubes, \$11.95. Kit completely wired, including Arcturus Tubes, \$14.45.

LEOTONE RADIO CO.

DEY STREET NEW YORK, N. Y.

ALL ELECTRIC ALL-WAVE AIR SCOUT

ONLY SET OF ITS KIND IN THE WORLD



Invented by H. C. Cain, Pat. Pending, U. S. Ser. No. 592,576

This powerful little set operates directly from any house lighting circuit, either a.c. or d.c. It brings in all standard broadcast stations and also police calls, foreign stations, code and trans-Atlantic phone conversations. Uses five plug-in coils to cover band from 10 to 550 meters. Compact and light—makes an ideal portable. Will operate several headsets simultaneously and will work on a short indoor aerial.

COMPLETE SET, with two tubes, earphone, two coils covering band from 70 to 550 meters, ready to plug in and use.....Postpaid \$8.50
Same as above, less earphone.....Postpaid \$8.00
Three extra plug-in coils to cover band from 10 to 70 meters—50c each.

Battery-Operated All-Wave Air Scout complete with tube, earphone, two coils ready to use (less inexpensive batteries).....\$5.95 postpaid
SPECIAL OFFER: Valuable data on All-Wave Receiver sent upon receipt of 10c to cover handling costs. Free circulars also available.

ALLIED ENGINEERING INSTITUTE

Est. 1921
Park Place - Dept. CF New York, N. Y.

WORLD-WIDE SHORT WAVE RECEIVER

ONLY \$6.45

Span the World with this Set!

A new radio thrill for you! Listen in DIRECT to London, Paris, Berlin, Buenos Aires, and other broadcasting stations throughout the world via short waves. Enjoy unique foreign programs from strange lands. Your ordinary receiver cannot tune in these low wave stations. **WORLD-WIDE RECEIVER** gets 14 to 550 meter stations with surprising clarity. **SEND NO MONEY!** Just write your name and address on a postcard and ask us to send you this wonderful guaranteed short wave set. Pay postman \$6.45 plus a small delivery charge. All orders West of the Rockies must be accompanied by \$1.00 deposit. Foreign countries must remit in full. Write today!

NEW RADIO BARGAINS

- Low Power Transmitter adaptable for phone or code. With plug-in coils \$14.75
- Auto Radio**—Uses 3—224, 2—227 tubes and 1—245 power tube, single dial, tremendous volume. Compact. Fits any car. We guarantee this set to perform better than sets selling up to \$150..... 20.00
- B Eliminator**, Bone Dry with 280 tube, 180 volts, will operate up to ten tube set, fully guaranteed.. 6.75
- AC—A B C Power Packs**, completely assembled..... 8.75
- Tubes:** 1X type, 30-day replacement guarantee. No. 210, \$2.25; No. 250, \$2.45; No. 281, \$1.85; No. 245, \$1.25; No. 224, \$1.25; No. 227, 75c; No. 226, 65c; No. 171, 75c.
- International Microphone**, two button for public address system and transmitters, speech or music.....\$9.75

CHAS. HOODWIN CO.

Lincoln Ave., Dept. B-15, CHICAGO

GET POLICE CALLS

on your Present Radio by attaching a **BUD POLICE THRILLER** to it.



You can listen to Police Calls, Riot Calls, Naval Stations, and Amateur Stations. Fits any Electric Radio. Easy to Install.

Only \$3.50

BUD POLICE THRILLER when connected to broadcast receiver changes the tuning from 80 to 200 meters on the broadcast receiver. This will enable you to bring in short wave reception in addition to your regular broadcast programs. Guaranteed to work on your Radio Set or money will be refunded.

BUD RADIO INC.

E. 55th St. Cleveland, Ohio

FOR REAL "DX" RECEPTION!

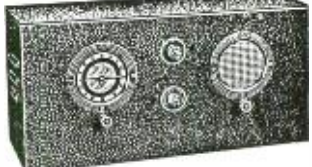
THE WORLD TROTTER SW4

Sensational design! Uses one 78, one 628 - a & 12A7 dual tube!

- COMPLETE kit** including all necessary parts, Continuous Band-Spread AC-DC power pack, high ratio aeroplane dial, 4 precision spare wound coils covering from 12 to 200 Meters and fool-proof instructions..... \$9.40
- Neat metal cabinet, as illustrated—12x7x7..... \$1.75
- Special speaker to match..... 1.35
- Set of matched Arcturus tubes..... 2.15
- Set of two Broadcast coils..... 1.10
- Set of coils for the 2000 Meter time signals and aerofline beacon..... 2.45
- Laboratory charge for custom building & testing.. 1.65
- SPECIAL COMBINATION OFFER:** complete kit, cabinet, tubes, speaker and the SW Broadcast coils..... \$14.30

The Professional DXSAC Communications Band Spread

INCORPORATES one 628, one 78 Dual tube, one 88 with 2.5 watts power output and one 50 rectifier.



- COMPLETE kit** includes: built-in dynamic speaker AC power supply, continuous band-spread, coils from 12 to 200 Meters and complete instructions Metal cabinet, size 21x10x8..... \$14.95
- Matched Arcturus tubes..... 3.10
- Set of two Broadcast coils..... 1.10
- If you prefer it custom built add..... 2.25
- SPECIAL COMBINATION OFFER:** complete kit, cabinet, tubes, dynamic speaker and the two broadcast coils..... \$21.40

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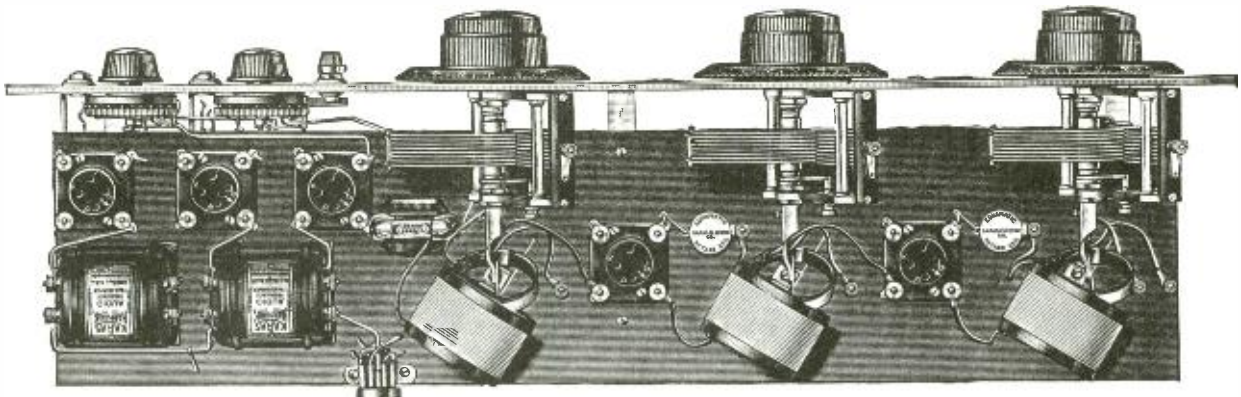
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About The Author

Tom Kneitel first got interested in radio as a teenager in 1947. Since 1956 his byline has appeared on many electronics books, scanner frequency directories, and on hundreds of features and columns in periodicals such as Popular Electronics, Electronics Illustrated, TV Guide, Modern Electronics, CQ Magazine, Science & Mechanics, Communications World, and Space Age, to name a few. He wrote a major portion of the section about communications in the Encyclopedia Americana. In Tom's credits are a long string of training films written for the U.S. Army Signal Corps.

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