

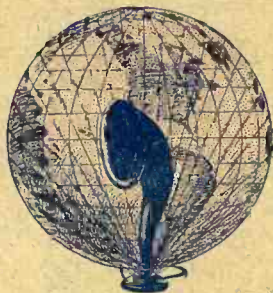
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APRIL, 1926

\$1.00
THE YEAR

Stevenson's
BULLETIN
OF
RADIO
BROADCASTING
STATIONS

*COMPLETE
UP-TO-DATE
LISTING
MONTHLY*



*COVERS
THE
ENTIRE
WORLD*

PUBLISHED MONTHLY BY
NATIONAL PUBLISHING CO., WASHINGTON, D. C.

STEVENSON'S BULLETIN OF RADIO BROADCASTING STATIONS

THOMAS STEVENSON, Editor

W. W. RAPLEY, Treasurer and Business Manager

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COMPLETE LIST OF STATION SLOGANS

Now Available in Book Form for New Subscribers to
STEVENSON'S BULLETIN OF RADIO BROAD-
CASTING STATIONS

For a limited period of time, we will give a complete list of station slogans, including all American and Canadian broadcasters, revised to January 1, 1926, to new subscribers to STEVENSON'S BULLETIN OF RADIO BROADCASTING STATIONS.

STEVENSON'S BULLETIN OF RADIO BROADCASTING STATIONS is absolutely indispensable if maximum enjoyment is to be obtained from the set. With it almost any station in the world picked up can be identified.

The Book of Station Slogans, in convenient form, will also add to your radio pleasure.

Use the blank below to send us your subscription. The Book of Slogans will also be sent to those who renew their subscriptions.

NATIONAL PUBLISHING CO.,
1220-1222 H Street N. W.,
Washington, D. C.

Enclosed find \$1.00 for which please send me the Book of Station Slogans and STEVENSON BULLETIN OF RADIO BROADCASTING STATIONS for one year, commencing with

the _____ issue.

(Name) _____

(Street Address) _____

(City and State) _____

(Please state whether new or renewal)

SENATOR DILL ADVOCATES EXTENSION OF BROADCASTING BAND

BY C. C. DILL

United States Senator from Washington and Author of the Dill Radio Bill Now Pending in Congress.

Radio during the last two years has become a source of real public service. It has gradually passed beyond the experimental stage and reached the point where the people of this great country may rely on it for entertainment and instruction.

It is with the thought of dedicating this great service to the permanent use of the people as a whole that Congress is attempting to frame legislation for its regulation. There seems to be no doubt that regulation is necessary and that a new radio law is needed immediately.

The question has arisen during our consideration of the bill as to whether the regulation should be entrusted to the Secretary of Commerce or to any other one man. It is my belief that at the present stage of development, the details of administration should remain with the Department of Commerce, but a non-partisan commission should be established now with authority to pass finally upon questions which may be referred to it by the Secretary of Commerce or any one else. The decisions of this Commission should, of course, be subject to review in the courts.

A highly important feature connected with the administration of the radio law is a new arrangement of wave lengths. The crowding of 536 stations on 89 wave lengths has practically rendered unserviceable a large portion of the broadcasting band—that is from 200 to 280 meters.

I believe a new band of wave lengths, from 150 to 200 meters, should be opened up, and many of the stations now congesting the band from 200 to 280 meters assigned the new wave lengths. I have been assured that if this new band is opened up, apparatus will soon be on the market to pick up these stations.

To put broadcasting stations in the band between 150 and 200 meters would mean, of course, that the amateurs would be deprived of these channels. I have the greatest admiration for these radio pioneers and predict they would cheerfully give up the 150-200 meter band to the greater service of the public as a whole.

NATIONALLY KNOWN MANUFACTURER INDORSES I. C. S. COURSE IN RADIO

Wonderful opportunity for ambitious men to win success
in this fast-growing profession. Trained men scarce.

Scores of fortunes have been made in radio since broadcasting began in 1921. In that year about 9½ million dollars' worth of radio apparatus was made. In 1925, more than 150 million dollars' worth was turned out by hundreds of factories!

Fact is, the Radio industry is expanding so rapidly that trained men are at a premium. There is a constant, urgent demand for operators — factory superintendents — engineers — service men — designers — salesmen who know radio.

"Give us more trained men," the leaders in the industry say. "Men who know something about Radio. There's no limit to what they can earn if they are equipped to progress with this business."

We tell you frankly that few industries offer such opportunities to ambitious men today as radio. For this new industry has scarcely scratched the surface of its possibilities. Its great future lies ahead.

There is no better way for you to succeed in this fascinating business than to study the Radio Course of the International Correspondence Schools. This course is new, complete, and up-to-the-minute. It was written by practical authorities in this field. It is endorsed by leading radio experts and radio manufacturers.

Quincy J. Workman writes that he has "nearly doubled his salary" since he took up the I. C. S. Radio Course. He is now manager of the Radio Department in a large store.

J. B. McCune writes that the I. C. S. Radio Course enabled him to start a radio business of his own. This same course enabled John M. Paynter to get a position as Radio Operator and Ship's Electrician. Scores of other men in radio factories, laboratories and stores report similar progress.

You, too, can get in on the ground-floor if you act quickly. But don't delay too long. Mark and mail the coupon today and let us tell you all about the I. C. S.

Radio Course and what it can do for you. It will pay you to learn more about this growing industry. Mail the Coupon for Free Booklet.

"It gives me great pleasure to add a word of commendation of the International Correspondence Schools' new Radio Course.

"I was once a student of the International Correspondence Schools myself and I am familiar with your methods and texts. I recommend them to any young man who is sincerely seeking to improve himself in position and salary."

R. E. THOMPSON,

President, R. E. Thompson Manufacturing Co., makers of famous Thompson Neutrodyne Radio Sets.

International Correspondence Schools,
Box 8326, Scranton, Penna.

Without cost or obligation, please
send me all the facts about the new
I. C. S. course in

RADIO

Name -----

Street -----

City ----- State -----

IMPORTANT EVENTS IN RADIO—PEAKS IN THE WAVES OF WIRELESS PROGRESS

1827. Savary found that a steel needle could be magnetized by the discharge from a Leyden jar.

1831. Faraday discovered electromagnetic induction between two entirely separate circuits.

1837. The first patent for an electric telegraph was taken out by Cooke and Wheatstone (London) and by Morse (United States).

1838. Steinheil discovered the use of the earth return.

1840. Henry first produced high frequency electric oscillations and pointed out that the discharge of a condenser is oscillatory.

1842. Morse made wireless experiments by electric conduction through water.

1843. Lindsay suggested that if it were possible to provide stations not more than 20 miles apart all the way across the Atlantic there would be no need of laying a cable.

1845. Lindsay made experiments in transmitting messages across the River Tay by means of electricity or magnetism without submerging wires, using the water as a conductor.

1849. Wilkins revived the same suggestions for wireless telegraphy.

Dr. O'Shaughnessy succeeded in passing intelligible signals without metallic conduction across a river 4,200 feet wide.

1862. Heyworth patented a method of conveying electric signals without the intervention of any continuous artificial conductor.

1867. Maxwell read a paper before the Royal Society in which he laid down the theory of electromagnetism, which he developed more fully in 1873 in his great treatise on electricity and magnetism. He predicted the existence of the electric waves that are now used in wireless telegraphy.

1870. Von Bezold discovered that oscillations set up by a condenser discharge in a conductor give rise to interference phenomena.

1872. Highton made various experiments across the River Thames with Morse's method.

1879. Hughes discovered the phenomena on which depend the action of coherer. The coherer was later used practically by Marconi.

1880. Trowbridge found that signaling might be carried on over considerable distances by electric conduction through the earth or water between places not metallically connected.

1882. Bell's experiments with Trowbridge method on the Potomac River resulted in the detection of signals at a distance of $1\frac{1}{2}$ miles.

Professor Dolbear was awarded a United States patent in March, 1882, for wireless apparatus in connection with which he made the

(Continued on page 27)

Earn \$50 to \$200 a Week in RADIO

You can! Hundreds of ambitious men are already earning thousands of dollars in this wonderful new industry—you, too, can get your share. Mail coupon below for Free Book which describes fully the amazing money-making opportunities in Radio and tells you how YOU can earn from \$5,000 to over \$10,000 a year.

THE astounding growth of Radio has created thousands of big money opportunities. Millions of dollars were spent during the past year on Radio, and thousands of young men are needed right now to meet the ever-increasing demand of work.

Men are needed to build, sell and install Radio sets—to design, test, repair—as Radio engineers and executives—as operators at land stations and on ships traveling the world over—as operators at the hundreds of broadcasting stations. And these are just a few of the wonderful opportunities.

Easy to Learn Radio at Home in Spare Time

No matter if you know nothing about Radio now, you can quickly become a Radio expert, by our marvelous new method of practical instruction—instruction which includes all the material for building the latest up-to-date Receiving Sets.

Scores of young men who have taken our course are already earning from \$75 to \$200 a week. Emmet Welch, right after finishing his training, started earning \$300 a month and expenses. Still another graduate, only 16 years old, is averaging \$70 a week in a Radio store.

Wonderful Opportunities

Hardly a day goes by without our receiving urgent calls for our graduates.

Take advantage of our practical training and the unusual conditions in Radio to step into a big paying position in this wonderful new field. Radio offers you more money than you probably ever dreamed possible—fascinating, easy work—a chance to travel and see the world if you care to, or to take any one of the many Radio positions all around you at home. And Radio offers you a glorious future!

SEND FOR FREE RADIO BOOK

Learn more about this tremendous new field and its remarkable opportunities. Learn how you can quickly become a Radio expert and make big money in Radio.

We have just prepared a new 48-page book which gives a thorough outline of the field of Radio—and describes our amazing, practical training in detail. This Free Book, "Rich Rewards in Radio," will be sent to you without the slightest obligation. Mail coupon for it now!

For a short time we are offering a reduced rate to those who enroll at once. Act promptly and save money.

Doubles Salary

I can very easily make double the amount of money now than before I enrolled with you. Your course has benefited me approximately \$3,000 over and above what I would have earned had I not taken it.

T. WINDER,
Grand Junction, Colo.

From \$15 to \$80 a Week

Before I enrolled with you I was making \$15 a week on a farm. Now I earn from \$2,050 to \$4,420 a year, and the work is a hundred times easier than before. Since graduating a little over a year ago, I have earned almost \$4,000, and I believe the course will be worth at least \$100,000 to me.

(Signed) GEO. A. ADAMS,
Tamaqua, Pa.

National
Radio
Institute
Dept. DZ-3
Washington,
D. C.



National Radio Institute,
Dept. DZ-3, Washington, D. C.

Please send me without the slightest obligation your Free Book, "Rich Rewards in Radio," and full details of your special Employment Service. Please write plainly.

NAME _____ AGE _____

ADDRESS _____

CITY _____ STATE _____

BROADCASTING STATION NOTES

According to R. O. Strook, Chief Engineer of WHT, Chicago, "fading and weakened radio signals are not wholly the result of atmospheric conditions as previously supposed." Mr. Strook claims that both can now be attributed largely to the broadcasting station itself.

WBAL, "The Voice of Baltimore" has been picked up in Germany, according to a letter from Robert Blitz, an electrical engineer now residing at Darmstadt, Germany. According to the operators of the station, WBAL has also been heard from the Arctic Circle to the Equator, and has likewise gone to the Catalina Islands, off the Coast of California.

WOR, Newark, attributes its success during the International tests, when its signals were picked up in Moscow, Russia, to the changes recently made in its antenna. In place of the flat top eight-wire antenna formerly accepted as the most efficient type, WOR has installed a six-wire cage aerial.

"Those who criticise the gentlemen of the microphone generally known as announcers, should take into consideration some of the difficulties they meet with," says KFI, Los Angeles. "How, for instance, would you like to announce that 'Martha Van Hoomissen-Chevallier will play Die Tod und die Verklerung by Strauss, and accompany the Versonkene Glocke by Gretchaninoff, sung by Antoinette Konoracharakoff?'"

WGN, Chicago, has received thousands of letters of appreciation for "The Old Music Room," which is broadcast every Sunday night at 9:15 o'clock.

KOA, Denver, is trying out a ten-episode mystery serial entitled "A Step on the Stairs." The installments of the mystery play are at 9:40 o'clock each Monday evening.

Archie Coates, announcer at WEAF, was able to identify himself recently by his voice. Coates had occasion to claim a package for which he had forgotten the check. Asked to identify himself, he found he had left his wallet and cash at home. "Isn't there anyone here who listens in on WEAF who can recognize a voice," asked Coates. He proceeded through the formula of announcing the call letters, the company and studio address. Two nearby clerks came forward and offered to swear that the visitor's voice was that which frequently came forth from their loud speakers. With their support, Coates received the package.

STATION CHANGES

WJZ, Boundbrook-New York, is alternating between 1,000 and 50,000 watts power. The station will continue to experiment with this high power for at least sixty days, after which the Department of Commerce will decide whether the resulting interference can be eliminated.

KFON, Long Beach, Calif., is now owned by the Echophone Radio Shop.

KFNF, Shenandoah, Iowa, has transferred from class A to B and increased its power from 500 to 1,000 watts.

The call signal of KFMQ, Fayetteville, Ark., has been changed to KUOA.

The call signal of WHAT, Minneapolis, has been changed to WGWY.

The power of WEBH, Chicago, has been increased from 1,500 to 2,000 watts.

The power of WLWL, New York, has been increased from 1,500 to 3,500 watts.

Six new stations were licensed temporarily. They follow:

KFUM	Colorado Springs, Colo.	WJBU	Lewisburg, Pa.
KSMR	Santa Maria, Calif.	WLB	Minneapolis, Minn.
WJBR	Omro, Wis.	WKAR	Escanaba, Mich.

Five stations were discontinued. They follow:

KFVH	Manhattan, Kans.	WDBC	Lancaster, Pa.
KDZB	Bakersfield, Calif.	WHBK	Ellsworth, Maine.
KUO	San Francisco, Calif.		

It is the aim of the management of STEVENSON'S BULLETIN OF RADIO BROADCASTING STATIONS to make it of real and permanent service to the radio public. The present form or arrangement is not considered by any means to be perfect or of lasting quality. To this end, suggestions and criticisms will be highly appreciated.

Specifically, the management would like to have your views as to the change in STEVENSON'S which was inaugurated with this issue.

CLASS B STATIONS IN THIS LIST ARE
DESIGNATED BY BOLD FACE TYPE

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	246	1220	50	Salt Lake City, Utah Newhouse Hotel
KFAB	340.7	880	1000	Lincoln, Neb. 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	215.7	1390	50	San Diego, Calif. W. K. Azbill
KFBK	248	1210	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	270	1110	500	Laramie, Wyo. Bishop N. S. Thomas
KFCB	238	1260	100	Phoenix, Ariz. Neilson Radio Co.
KFDD	278	1080	50	Boise, Idaho St. Michaels Cathedral
KFDM	315.6	950	500	Beaumont, Texas Magnolia Pet Co.
KFDX	250	1200	100	Shreveport, La. 1st Baptist Church
KFDY	273	1100	100	Brookings, S. D. State College of Agri.
KFDZ	231	1300	10	Minneapolis, Minn. H. O. Iverson
KFEC	248	1210	50	Portland, Oreg. Meier & Frank Co.
KFEL	254	1180	50	Denver, Colo. Winner Radio Corp.
KFEQ	267.7	1120	500	Oak, Nebr. J. L. Scroggin
KFEY	233	1290	10	Kellogg, Idaho Bunker Hill & Sullivan
KFFP	242	1240	50	Moberly, Mo. 1st Baptist Church
KFGQ	226	1330	10	Boone, Iowa Cray 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	468.5	640	4000	Los Angeles, Calif. E. C. Anthony, Inc.
KFIF	248	1210	100	Portland, Oreg. Benson Institute
KFIO	266	1130	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	261	1150	500	Oklahoma City, Okla. National Radio Co.
KFJI	246	1220	10	Astoria, Oreg. Liberty Theatre

Station	Meters	K. C.	Watts	Location and Owner
KFJM	278	1080	100	Grand Forks, N. D.-----University of N. D.
KFJR	263	1140	50	Portland, Oreg.-----Ashley C. Dixon & Son
KFJY	246	1220	50	Ft. Dodge, Iowa-----Tunwall Radio Co.
KFJZ	254	1180	50	Ft. Worth, Tex.---S. W. Bapt. Theo. Seminary
KFKA	273	1100	50	Greeley, Colo.-----State Teachers College
KFKU	275	1090	500	Lawrence, Kans.-----University of Kansas
KFKX	288.3	1040	5000	Hastings, Nebr.---Westinghouse E. & M. Co.
KFKZ	226	1330	10	Kirksville, Mo.-----F. M. Henry
KFLR	254	1180	100	Albuquerque, N. Mex.---University of N. M.
KFLU	236	1270	10	San Benito, Texas---San Benito Radio Club
KFLV	229	1310	100	Rockford, Ill.----Swedish Evangelist Church
KFLX	240	1250	10	Galveston, Texas-----George R. Clough
KFLZ	273	1100	100	Anita, Iowa-----Atlantic Auto Co.
KFMR	261	1150	100	Sioux City, Iowa-----Morningside College
KFMW	263	1140	50	Houghton, Mich.-----M. G. Sataren
KFMX	336.9	890	500	Northfield, Minn.-----Carleton College
KFNF	263	1140	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	233	1290	500	Long Beach, Calif.---Echophone Radio Shop
KFOO	236	1270	250	Salt Lake City, Utah---Latter Day Saints 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	266	1130	100	Spokane, Wash.---Symonds Investment Co.
KFQA	261	1150	100	St. Louis, Mo.-----The Principia
KFQB	263	1140	1000	Ft. Worth, Tex.---Searchlight Publish'g Co.
KFQD	227.1	1320	100	Anchorage, Alaska-----Chovin Sup. Co.
KFQP	224	1340	10	Iowa City, Iowa-----G. S. Carson, Jr.
KFQU	217.3	1380	100	Holy City, Calif.-----W. C. Riker
KFQW	215.7	1390	50	North Bend, Wash.-----C. F. Knierim
KFQZ	226	1330	50	Hollywood, Calif.-----Taft Products Co.
KFRB	248	1210	250	Beeville, Texas-----Hall Bros.
KFRC	268	1120	50	San Francisco, Calif.-----City of Paris
KFRU	499.7	600	500	Columbia, Mo.-----Stephens College
KFRW	218.8	1370	50	Olympia, Wash.-----United Churches
KFSG	275	1090	500	Los Angeles, Calif.---Echo Park Evang. Ass'n.
KFUL	258	1160	50	Galveston, Texas-----T. Gogan & Bro.
KFUM	239.9	1250	100	Colorado Springs, Colo.---W. D. Corley
KFUO	545.1	550	500	St. Louis, Mo.---Concordia Theo. Seminary

Station	Meters	K. C.	Watts	Location and Owner
KFUP	234	1280	50	Denver, Colo.---Fitzsimons General Hospital
KFUR	224	1340	50	Ogden, Utah-----Peery Building Co.
KFUS	256	1170	50	Oakland, Calif-----Louis L. Sherman
KFUT	261	1150	100	Salt Lake City, Utah----University of Utah
KFUU	220.4	1360	50	Oakland, Calif-----Colburn Radio Lab.
KFVD	205.4	1460	50	San Pedro, Calif.---Chas. & W. J. McWhinnie
KFVE	240	1250	500	St. Louis, Mo.-----Film Corporation
KFVG	236.1	1270	15	Independence, Kans.----First M. E. Church
KFVI	240	1250	10	Houston, Texas-----56th Cavalry Brigade
KFVN	227	1320	50	Welcome, Minn.-----Carl E. Bagley
KFVR	244	1230	50	Denver, Colo.---Moonlight Ranch Broadcast- ing Station
KFVS	224	1340	50	Cape Girardeau, Mo.-C. Girardeau Bat. Sta.
KFVW	246	1220	500	San Diego, Calif.-----Airfan Radio Corp.
KFVY	250	1200	10	Albuquerque, N. Mex.----Radio Supply Co.
KFWA	261	1150	500	Ogden, Utah-----Browning Bros. Co.
KFWB	252	1190	500	Hollywood, Calif.---Warner Bros. Pictures, Inc.
KFWC	211.1	1420	50	San Bernardino, Calif.-----L. E. Wall
KFWF	214.2	1400	250	St. Louis, Mo.-----St. Louis Truth Center
KFWH	254	1180	100	Chico, Calif.-----F. Wellington Morse, Jr.
KFWI	226	1330	500	South San Francisco, Calif.---Radio Enter- tainments, Inc.
KFWM	206.8	1450	500	Oakland, Calif.---Oakland Educational Soc.
KFWO	211.1	1420	250	Avalon, Calif.-----Lawrence Mott
KFWU	238	1260	100	Pineville, La.-----Louisiana College
KFWV	212.6	1410	50	Portland, Oreg.-----Wilbur Jerman
KFXB	202.6	1480	500	Big Bear Lake, Calif.---Bertram O. Heller
KFXD	205.4	1460	10	Logan, Utah-----Service Radio Co.
KFXF	249.9	1200	500	Colo. Springs, Colo.---Pikes Peak Brdcast'g Co.
KFXH	242	1240	50	El Paso, Texas-----Bledsoe Radio Co.
KFXJ	215.7	1390	10	(Portable), Colo.---Mountain States Radio
KFXM	227	1320	10	Beaumont, Texas-----Neches Elec. Co.
KFXR	214.2	1400	15	Okla. City, Okla.---Classen Film Finish'g. Co.
KFX Y	205.4	1460	50	Flagstaff, Ariz.-----Mary M. Costigan
KFYF	205.4	1460	10	Oxnard, Calif.-----Carl's Radio Den
KFYJ	238	1260	10	Houston, Tex. (Portable)---Houston Chronicle
KFYO	209.7	1440	10	Texarkana, Texas---Buchanan Vaughn Co.
KFYR	248	1210	10	Bismarck, N. Dak.---Hoskins Meyer, Inc.
KGO	361.2	830	4000	Oakland, Calif.-----General Electric Co.
KGTT	206.8	1450	50	San Francisco, Calif.-----Glad Tidings Tabernacle.
KGU	270	1110	500	Honolulu, Hawaii-----M. A. Mulrony
KGW	491.5	610	500	Portland, Oreg.-----The Oregonian
KG Y	246	1220	50	Lacey, Wash.-----St. Martin's College
KHJ	405.2	740	500	Los Angeles, Calif.-----The Times

Station	Meters	K. C.	Watts	Location and Owner
KHQ	273	1100	500	Spokane, Wash.-----Louis Wasmer
KJBS	220	1360	5	San Francisco, Calif..J. Brunton & Sons Co.
KJR	384.4	780	1000	Seattle, Wash.-----Northwest Radio Co.
KLDS	440.9	680	1000	Independence, Mo....Reorganized Church of Jesus Christ of Latter Day Saints.
KLS	250	1200	250	Oakland, Calif.----Warner Bros. Radio Co.
KLX	508.2	590	500	Oakland, Calif.-----The Tribune
KLZ	266	1130	250	Denver, Colo.-----Reynolds Radio Co.
KMA	252	1190	500	Shenandoah, Iowa...May Seed & Nursery Co.
KMJ	234.2	1280	50	Fresno, Calif.-----Fresno Bee
KMMJ	228.9	1310	1000	Clay Center, Nebr.----M. M. Johnson Co.
KMO	250	1200	100	Tacoma, Wash.-----Love Elec. Co.
KMOX	280.2	1070	1500	St. Louis, Mo.-----Voice of St. Louis
KMTR	238	1260	500	Los Angeles, Calif...Oliver S. Garretson & K. M. Turner.
KNRC	208.2	1440	250	Hollywood, Calif.-----C. B. Juneau
KNX	336.9	890	1000	Los Angeles, Calif.-----The Express
KOA	322.4	930	5000	Denver, Colo.-----General Electric Co.
KOAC	280.2	1070	500	Corvallis, Oreg.-----Oregon Agri. Col.
KOB	348.6	860	1000	State College, N. M....College of Agri. & Mech. Arts.
KOCH	258	1160	250	Omaha, Nebr....Omaha Central High School
KOCW	252	1190	200	Chickasha, Okla....Okla. College for Women
KOIL	278	1080	500	Council Bluffs, Iowa...Monarch Mfg. Co.
KOWW	256.3	1170	500	Walla Walla, Wash...Blue Mt. Radio Ass'n.
KPO	428.3	700	1000	San Francisco, Calif.-----Hale Brothers
KPPC	229	1310	50	Pasadena, Calif.-----Pasadena Pres. Church
KPRC	296.9	1010	750	Houston, Texas.-----Houston Printing Co.
KPSN	315.6	950	1000	Pasadena, Calif.-----Pasadena Star-News
KQP	212.6	1410	500	Portland, Oreg.-----H. B. Read
KQV	275	1090	500	Pittsburgh, Pa.----Doubleday Hill Elec. Co.
KQW	231	1300	500	San Jose, Calif.-----First Baptist Church
KRE	256	1170	100	Berkeley, Calif.-----The Gazette
KSAC	340.7	880	500	Manhattan, Kans....Kans. State Agri. Col.
KSD	545.1	550	500	St. Louis, Mo.-----The Post Dispatch
KSL	299.8	1000	1000	Salt Lake City, Utah...Radio Serv. Corp.
KSMR	209.7	1430	100	Santa Maria, Calif...S. M. Valley R. R. Co.
KSO	242	1240	500	Clarinda, Iowa....A. A. Berry Seed Co.
KTAB	240	1250	1000	Oakland, Calif.----Tenth Ave. Bapt. Church
KTBI	293.9	1020	750	Los Angeles, Calif...Bible Inst., Los Angeles
KTBR	263	1140	50	Portland, Oreg.-----Brown's Radio Shop
KTCL	305.9	980	1000	Seattle, Wash.-----Am. Radio Tel. Co.
KTHS	374.8	800	500	Hot Springs, Ark....New Arlington Hotel
KTNT	256	1170	500	Muscatine, Iowa-----N. Baker
KTW	454.3	660	1000	Seattle, Wash.-----1st Presbyterian Church

Station	Meters	K. C.	Watts	Location and Owner
KUOA	299.8	1000	750	Fayetteville, Ark.-----University of Arkansas
KUOM	244	1230	250	Missoula, Mont.-----State Univ. of Montana
KUSD	278	1080	100	Vermilion, S. Dak.-----University of S. Dak.
KUT	231	1300	500	Austin, Texas-----University of Texas
KVOO	374.8	800	500	Bristow, Okla.-----Voice of Oklahoma
KWCR	278	1080	500	Cedar Rapids, Iowa-----H. F. Parr
KWG	248	1210	50	Stockton, Calif.-----Portable Wireless Tel. Co.
KWKC	236	1270	100	Kansas City, Mo.-----Wilson Duncan Studios
KWKH	261	1150	500	Shreveport, La.-----W. K. Henderson I. W. & S. Co.
KWSC	348.6	860	500	Pullman, Wash.-----State College
KWUC	252	1190	50	Lemars, Iowa-----Western Union College
KWWG	278	1080	500	Brownsville, Texas-----City of Brownsville
KYW	535.4	560	3500	Chicago, Ill.-----Westinghouse E. & M. Co.
KZKZ	270	1110	100	Manila, P. I.-----Electric Supply Co.
KZM	240	1250	100	Oakland, Calif.-----P. D. Allen
KZRQ	222	1350	500	Manila, P. I.-----Far Eastern Radio, Inc.
NAA	435	680	1000	Arlington, Va.-----U. S. Navy
WAAD	258	1160	25	Cincinnati, Ohio-----Ohio Mech. Institute
WAAF	278	1080	200	Chicago, Ill.-----Drovers Journal
WAAW	278	1080	500	Omaha, Nebr.-----Omaha Grain Exchange
WABB	204	1470	10	Harrisburg, Pa.-----Harrisburg Radio Co.
WABC	254	1180	20	Asheville, N. C.-----Asheville Battery Co., Inc.
WABI	240	1250	100	Bangor, Maine-----First Universalist Church
WABO	278	1080	100	Rochester, N. Y.-----Lake Ave. Baptist Church
WABQ	261	1150	100	Haverford, Pa.-----Haverford Col. Radio Club
WABR	263	1140	50	Toledo, Ohio-----Scott High School
WABW	206.8	1450	50	Wooster, Ohio-----College of Wooster
WABX	246	1220	500	Mt. Clemens, Mich.-----H. B. Joy
WABY	242	1240	50	Philadelphia, Pa.-----John Magaldi
WABZ	275.1	1090	50	New Orleans, La.-----Coliseum Pl. Baptist Ch.
WADC	258	1160	500	Akron, Ohio-----Allen T. Simmons
WAFD	275	1090	500	Port Huron, Mich.-----Albert B. Parfet Co.
WAGM	225.4	1330	50	Royal Oak, Mich.-----R. L. Miller
WAHG	315.6	950	500	Richmond Hill, N. Y.-----A. H. Grebe Co.
WAIT	229	1310	10	Taunton, Mass.-----A. H. Waite & Co.
WAIU	293.9	1020	500	Columbus, Ohio-----American Ins. Union
WAMD	243.8	1230	500	Minneapolis, Minn.-----Radisson Corp.
WAPI	247.8	1210	1000	Auburn, Ala.-----Alabama Polytechnic Inst.
WARC	261	1150	100	Medford Hillside, Mass.-----Am. Radio Res. Corp.
WATT	243.8	1230	100	(Portable) Mass.-----Edison Elec. Ill. Co.
WBAA	273	1100	250	West Lafayette, Ind.-----Purdue University
WBAK	275	1090	500	Harrisburg, Pa.-----Penna. State Police
WBAL	245.8	1220	1000	Baltimore, Md.-----Gas and Elec. Co.

Station	Meters	K. C.	Watts	Location and Owner
WBAO	270.1	1110	100	Decatur, Ill.-----James Millikin University
WBAP	475.9	630	1500	Fort Worth, Texas-----Star Telegram
WBAX	256	1170	100	Wilkes-Barre, Pa.-----J. H. Stenger, Jr.
WBBL	228.9	1310	100	Richmond, Va.-----Grace Covenant Pres. Ch.
WBBM	226	1330	1500	Chicago, Ill.-----Atlas Investment Co.
WBBP	238	1260	200	Petoskey, Mich.-----Petoskey High School
WBBR	273	1100	500	Rossville, N. Y.-----Peoples Pulpit Ass'n.
WBBS	252	1190	50	New Orleans, La.-----1st Baptist Church
WBBW	222	1350	50	Norfolk, Va.-----Ruffner City High School
WBBY	268	1120	10	Charleston, S. C.-----Washington Light Inf.
WBBZ	215.7	1390	50	(Portable), Ill.-----C. L. Carrell
WBCN	266	1130	500	Chicago, Ill.-----Foster & McDonnell
WBDC	256.3	1170	500	Grand Rapids, Mich.-----Baxter Laundry Co.
WBES	222	1350	100	Takoma Park, Md.-----Bliss Electrical School
WBNY	209.7	1430	500	New York, N. Y.-----Miss Shirley Katz
WBOQ	236	1270	100	Richmond Hill, N. Y.-----A. H. Grebe & Co.
WBPI	263	1140	500	Newark, N. J.-----I. R. Nelson Co.
WBRC	248	1210	50	Birmingham, Ala.-----Bell Radio Corp.
WBRE	231	1300	100	Wilkes-Barre, Pa.-----Baltimore Radio Ex.
WBT	275	1090	250	Charlotte, N. C.-----Charlotte Cham. of Com.
WBZ	333.1	900	2000	Springfield, Mass.-----Westinghouse E. & M. Co.
WBZA	242	1240	250	Boston, Mass.-----Westinghouse E. & M. Co.
WCAC	275	1090	500	Mansfield, Conn.-----Agricultural College
WCAD	263	1140	250	Canton, N. Y.-----St. Lawrence University
WCAE	461.3	650	500	Pittsburgh, Pa.-----Kaufman & Baer
WCAJ	254	1180	500	Univ. Place, Nebr.-----Nebr. Wesleyan Univ.
WCAL	336.9	890	500	Northfield, Minn.-----St. Olaf College
WCAO	275	1090	100	Baltimore, Md.-----Brager of Baltimore
WCAP	468.5	640	500	Washington, D. C.-----C. & P. Tel. Co.
WCAR	263	1140	500	San Antonio, Texas-----Southern Radio Corp.
WCAT	240	1250	50	Rapid City, S. D.-----School of Mines
WCAU	278	1080	500	Phila., Pa.-----Universal Broadcasting Co.
WCAX	250	1200	100	Burlington, Vt.-----University of Vermont
WCBA	254	1180	15	Allentown, Pa.-----C. W. Heimbach
WCBBD	344.6	870	5000	Zion, Ill.-----W. G. Voliva
WCBE	263	1140	5	New Orleans, La.-----Uhalt Radio Co.
WCBH	242	1240	50	Oxford, Miss.-----University of Mississippi
WCBM	229	1310	50	Baltimore, Md.-----Hotel Chateau
WCBQ	236	1270	100	Nashville, Tenn.-----1st Baptist Church
WCBR	209.7	1430	100	(Portable)-----C. H. Messter
WCCO	416.4	720	5000	Minneapolis-St. Paul, Minn.-----Gold Medal Sta.
WCLO	231	1300	50	*Camp Lake, Wis.-----C. E. Whitmore
WCLS	214.2	1400	150	Joliet, Ill.-----H. M. Couch
WCOA	222.1	1350	250	Pensacola, Fla.-----Municipal Station
WCSH	256	1170	500	Portland, Maine.-----H. P. Rines

Station	Meters	K. C.	Watts	Location and Owner
WCSSO	248	1210	100	Springfield, Ohio.....Wittenberg College
WCWS	209.7	1430	100	(Portable), Mass.....C. W. Selen
WCX	516.9	580	5000	Pontiac, Mich....Detroit Free Press and Jewett Radio and Phonograph Co.
WDAD	226	1330	150	Nashville, Tenn...Dad's Auto Accessories Inc.
WDAE	273	1100	250	Tampa, Fla.....Tampa Daily Times
WDAF	365.6	820	500	Kansas City, Mo.....Kansas City Star
WDAG	263	1140	100	Amarillo, Texas.....J. L. Martin
WDAH	267.7	1120	50	El Paso, Texas....Trinity Methodist Church
WDAY	260.7	1150	50	Fargo, N. Dak....Radio Equipment Corp.
WDBE	270	1110	100	Atlanta, Ga.....Gilham-Schoen Elec. Co.
WDBJ	228.9	1310	50	Roanoke, Va....Richardson Wayland El. Co.
WDBK	227	1320	100	Cleveland, Ohio.....M. F. Broz
WDBO	240	1250	500	Winter Park, Fla.....Rollins College
WDBZ	233	1290	10	Kingston, N. Y....Boy Scouts of America
WDOD	256	1170	500	Chattanooga, Tenn. Chattanooga Radio Co.
WDRC	268	1120	100	New Haven, Conn....Doolittle Radio Corp.
WDWF	440.9	680	500	Cranston, R. I.....D. W. Flint
WDZ	278	1080	100	Tuscola, Ill.....J. L. Bush
WEAF	491.5	610	5000	New York, N. Y.....A. T. & T. Co.
WEAI	254	1180	500	Ithaca, N. Y.....Cornell University
WEAM	261	1150	250	N. Plainfield, N. J. Borough of N. Plainfield
WEAN	270	1110	500	Providence, R. I.....Shepard Co.
WEAO	293.9	1020	500	Columbus, Ohio....Ohio State University
WEAR	389.4	770	750	Cleveland, Ohio....Goodyear T. and R. Co.
WEAU	275	1090	100	Sioux City, Iowa....Davidson Bros. Co.
WEBC	242	1240	100	Superior, Wis....W. C. Bridges
WEBD	246	1220	15	Anderson, Ind....Elec. Equip & Service Co.
WEBE	234	1280	10	Cambridge, Ohio....Roy W. Waller
WEBH	370.2	810	2000	Chicago, Ill.....Edgewater Beach Hotel
WEBJ	273	1100	500	New York, N. Y....Third Avenue R. R. Co.
WEBL	226	1330	100	(Portable).....Radio Corp. of America
WEBQ	226	1330	10	Harrisburg, Ill.....Tate Radio Co.
WEBR	244	1230	100	Buffalo, N. Y....H. H. Howell
WEBW	268	1120	500	Beloit, Wis.....Beloit College
WEBZ	263	1140	50	Savannah, Ga....Savannah Radio Corp.
WEEI	348.6	860	500	Boston, Mass....Edison Elec. Illuminating Co.
WEHS	202.6	1480	10	Evanston, Ill.....Robert E. Hughes

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Station	Meters	K. C.	Watts	Location and Owner
WEMC	285.5	1050	500	Berrien Spgs., Mich.—Emm. Missionary Col.
WENR	266	1130	1000	Chicago, Ill.-----All-American Radio Corp.
WEW	247.8	1210	1000	St. Louis, Mo.-----St. Louis University
WFAA	475.9	630	500	Dallas, Texas-----Dallas News & Journal
WFAM	273	1100	10	St. Cloud, Minn.-----The Times
WFAV	275	1090	500	Lincoln, Nebr.-----University of Nebr.
WFBC	250	1200	50	Knoxville, Tenn.-----1st Baptist Church
WFBD	234	1280	5	Philadelphia, Pa.---Gethsemane Baptist Ch.
WFBE	226	1330	10	Seymour, Ind.-----J. V. De Walle
WFBG	278	1080	100	Altoona, Pa.-----W. F. Gable Co.
WFBH	273	1100	500	New York, N. Y.----Concourse Radio Corp.
WFBI	236	1270	250	Camden, N. J.-----Galvin Radio Supply Co.
WFBJ	236	1270	100	Collegeville, Minn.---St. John's University
WFBL	252	1190	100	Syracuse, N. Y.-----Onondaga Hotel
WFBM	268	1120	250	Indianapolis, Ind.---Merchants Lighting Co.
WFBR	254	1180	100	Baltimore, Md.-----Maryland Nat'l Guard
WFBZ	254	1180	20	Galesburg, Ill.-----Knox College
WFDF	234	1280	100	Flint, Mich.-----F. D. Fallain
WFI	394.5	760	500	Philadelphia, Pa.---Strawbridge & Clothier
WFKB	217.3	1380	500	Chicago, Ill.-----F. K. Bridgman
WFRL	205.4	1460	100	Brooklyn, N. Y.-----R. M. Lacey
WGAL	248	1210	10	Lancaster, Pa.---Lancaster Elec. Supply Co.
WGBB	243.8	1230	100	Freeport, N. Y.-----H. H. Carman
WGBC	278	1080	10	Memphis, Tenn.-----1st Baptist Church
WGBF	236.1	1270	500	Evansville, Ind.---The Finke Furniture Co.
WGBI	239.9	1250	10	Scranton, Pa.-----Frank S. Megargee
WGBM	234	1280	30	Providence, R. I.-----T. N. Saaty
WGBR	229	1310	10	Marshfield, Wis.---Marshfield Broadcasting Ass'n.
WGBS	315.6	950	500	New York, N. Y.-----Gimble Bros.
WGBU	278	1080	500	Fulford-By-The-Sea, Fla.---Florida Cities
WGBX	252	1190	100	Orono, Maine.-----University of Maine
WGCP	252	1190	500	Newark, N. J.-----D. W. May, Inc.
WGES	250	1200	500	Oak Park, Ill.-----Coyne Elec'l. School
WGHB	266	1130	500	Clearwater, Fla.---G. H. Bowles Developments
WGHP	270	1110	1500	Detroit, Mich.-----G. H. Phelps, Inc.
WGMU	236	1270	100	Richmond Hill, N. Y.---A. H. Grebe & Co.
WGN	302.8	990	1000	Chicago, Ill.-----The Tribune
WGR	319	940	750	Buffalo, N. Y.-----Federal Tel. Mfg. Co.
WGST	270	1110	500	Atlanta, Ga.-----Ga. School of Tech.
WGWY	263	1140	500	Minneapolis, Minn.---Dr. Geo. W. Young
WGY	379.5	790	5000	Schenectady, N. Y.---General Elec. Co.
WHA	535.4	560	750	Madison, Wis.-----University of Wisconsin
WHAD	275	1090	500	Milwaukee, Wis.---Marquette University

Station	Meters	K. C.	Watts	Location and Owner
WHAM	278	1080	100	Rochester, N. Y. Eastman School of Music
WHAP	240	1250	500	New York Wm. H. Taylor Fin. Corp.
WHAR	275	1090	500	Atlantic City, N. J. F. P. Cook's Sons
WHAS	399.8	750	500	Louisville, Ky. The Courier Journal-Times
WHAV	266	1130	100	Wilmington, Del. Wilmington Elec. Spec Co.
WHAZ	379.5	790	1000	Troy, N. Y. Rensselaer Polytechnic Inst.
WHB	365.6	820	500	Kansas City, Mo. Sweeney School Co.
WHBA	250	1200	10	Oil City, Pa. Shaffer Music House
WHBC	254	1180	10	Canton, Ohio Rev. E. P. Graham
WHBD	222.1	1350	20	Bellefontaine, Ohio Charles W. Howard
WHBF	222.1	1350	100	Rock Island, Ill. Beardsley Specialty Co.
WHBG	231	1300	20	Harrisburg, Pa. John S. Skane
WHBH	222.1	1350	100	Culver, Ind. Culver Military Academy
WHBJ	234	1280	50	Ft. Wayne, Ind. Lauer Auto Co.
WHBL	215.7	1390	50	(Portable), Ill. C. L. Carroll
WHBM	215.7	1390	20	Chicago, Ill. (Portable), C. L. Carroll
WHBN	238	1260	10	St. Petersburg, Fla. 1st Ave. Meth. Ch.
WHBP	256	1170	100	Johnstown, Pa. Johnstown Auto Co.
WHBQ	233	1290	50	Memphis, Tenn. St. John's M. E. Church
WHBU	218.8	1370	10	Anderson, Ind. Riviera Theatre
WHBW	215.7	1390	100	Philadelphia, Pa. D. R. Kienzle
WHBY	249.9	1200	50	West De Pere, Wis. St. Norbert's College
WHDI	278	1080	500	Minneapolis, Minn. Wm. Hood Dunwoody Ind. Inst.
WHEC	258	1160	100	Rochester, N. Y. Hickson Elec. Co.
WHK	272.6	1100	1000	Cleveland, Ohio Radio Air Service Corp.
WHN	361.2	830	500	New York, N. Y. George Schubel
WHO	526	570	5000	Des Moines, Iowa Bankers Life Co.
WHT	399.8	750	3500	Deerfield, Ill. Radiophone Broadcast'g Corp.
WIAD	250	1200	100	Philadelphia, Pa. H. R. Miller
WIAS	254	1180	100	Burlington, Iowa Home Elec. Co.
WIBA	236	1270	100	Madison Wis. Capital Times
WIBG	222	1350	50	Elkins Park, Pa. St. Paul's P. E. Church
WIBH	209.7	1430	30	New Bedford, Mass. Elite Radio Stores
WIBI	218.8	1370	50	Flushing, L. I. F. B. Gittell, Jr.
WIBJ	215.7	1390	50	Chicago, Ill. C. L. Carrell
WIBM	215.7	1390	10	Chicago, Ill. Billy Maine
WIBO	226	1330	1000	Chicago, Ill. Nelson Brothers
WIBR	246	1220	50	Weirton, W. Va. Thurman A. Owings
WIBS	202.6	1480	10	Elizabeth, N. J. N. J. Nat'l Guard, 57th Infantry Brigade.
WIBU	222	1350	20	Poynette, Wis. The Elec. Farm
WIBW	220	1360	100	Logansport, Ind. Dr. L. L. Dill
WIBX	205.4	1460	150	Utica, N. Y. Grid Leak, Inc.

Station	Meters	K. C.	Watts	Location and Owner	
WIBZ	230.6	1300	10	Montgomery, Ala.	A. D. Trum
WIL	273	1100	250	St. Louis, Mo.	Benson Radio Co.
WIOD	247.8	1210	1000	Miami, Fla.	Carl G. Fisher Co.
WIP	508.2	590	500	Philadelphia, Pa.	Gimble Bros.
WJAD	352.7	850	500	Waco, Texas	Jackson's Radio Elec. Co.
WJAG	270	1110	200	Norfolk, Nebr.	Norfolk Daily News
WJAK	254.1	1180	50	Kokomo, Ind.	Rev. C. L. White
WJAM	268	1120	100	Cedar Rapids, Iowa	D. M. Perham
WJAR	305.9	980	500	Providence, R. I.	The Outlet Co.
WJAS	275	1090	500	Pittsburgh, Pa.	Pittsburgh Radio Sup. House
WJAX	336.9	890	1000	Jacksonville, Fla.	City of Jacksonville
WJAZ	322.4	930	1500	Mt. Prospect, Ill.	Zenith Radio Corp.
WJBA	206.8	1450	50	Joliet, Ill.	D. H. Lentz, Jr.
WJBB	254.1	1180	10	St. Petersburg, Fla.	Financial Journal
WJBC	234	1280	100	La Salle, Ill.	Hummer Furn. Co.
WJBG	224	1340	40	Charlotte, N. C.	Interstate Radio
WJBI	218.8	1370	250	Red Bank, N. J.	Robert S. Johnson
WJBK	233	1290	10	Ypsilanti, Mich.	Ernest F. Goodwin
WJBL	270	1110	500	Decatur, Ill.	Wm. Grishard Dry Goods Co.
WJBO	267.7	1120	100	New Orleans, La.	V. Jensen
WJBR	227.1	1320	50	Omro, Wis.	Omro Drug Store
WJBU	211.1	1420	100	Lewisburg, Pa.	Bucknell University
WJJD	370.2	810	500	Mooseheart, Ill.	Loyal Order of Moose
WJR	516.9	580	5000	Pontiac, Mich.	Detroit Free Press and Jewett Radio and Phonograph Co.
WJY	405.2	740	1000	New York, N. Y.	Radio Corp. of America
WJZ	454.3	660	50000	New York-Boundbrook	Radio Corp. of Am.
WKAF	261	1150	500	Milwaukee, Wis.	WKAF Broadcasting Co.
WKAQ	340.7	880	500	San Juan, P. R.	Radio Corp. of Porto Rico
WKAR	285.5	1050	1000	Lansing, Mich.	Mich. Agri. College
WKAV	224	1340	50	Laconia, N. H.	Laconia Radio Club
WKBB	214.2	1400	100	Joliet, Ill.	Sanders Bros.
WKBE	231	1300	100	Webster, Mass.	K. & B. Electric Co.,
WKBG	215.7	1390	100	Chicago, Ill.	C. L. Carrell
WKRC	326-422.3	710	1000	Cincinnati, Ohio	Kodel Radio Corp.
WKY	275	1090	100	Oklahoma City, Okla.	E. C. Hull & H. S. Richards.
WLAL	250	1200	100	Tulsa, Okla.	1st Christian Church
WLAP	275	1090	20	Louisville, Ky.	W. V. Jordan
WLB	278	1080	500	Minneapolis, Minn.	University of Minn.
WLBL	278	1080	500	Stevens Pt. Wis.	Wis. Dept. of Markets
WLIB	302.8	990	4000	Elgin-Chicago, Ill.	Liberty Weekly, Inc.
WLIT	394.5	760	500	Philadelphia, Pa.	Lit Brothers

Station	Meters	K. C.	Watts	Location and Owner
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	288.3	1040	3500	New York, N. Y.-----Paulist Fathers
WMAC	275	1090	100	Cazenovia, N. Y.-----C. E. Meredith
WMAF	440.9	680	1000	Dartmouth, Mass. Round Hills Radio Corp.
WMAK	266	1130	500	Lockport, N. Y.-----Norton Laboratory
WMAL	212.6	1410	100	Washington, D. C.-----Leese Optical Co.
WMAN	278	1080	50	Columbus, Ohio.-----Heskitt Radio Station
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.
WMBC	256	1170	100	Detroit, Mich.-----Michigan Broadcasting Co.
WMBF	384.4	780	500	Miami Beach, Fla.-----Fleetwood Hotel
WMC	499.7	600	500	Memphis, Tenn.-----The Commercial Appeal
WMCA	340.7	880	500	Hoboken, N. J.-----Hotel McAlpine
WNAB	250	1200	100	Boston, Mass.-----Shepard Stores
WNAC	280.2	1070	500	Boston, Mass.-----Shepard Stores
WNAD	254	1180	500	Norman, Okla.-----University of Oklahoma
WNAL	258	1160	50	Omaha, Nebr.-----Omaha Central 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	252	1190	150	Newark, N. J.-----Radio Shop
WNOX	267.7	1120	100	Knoxville, Tenn.-----Peoples Tel. and Tel. Co.
WNYC	526	570	1000	New York, N. Y.-----Municipal Station
WOAI	394.5	760	2000	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
WOC	483.6	620	5000	Davenport, Iowa.-----Palmer School of Chiro.
WOCL	275.1	1090	15	Jamestown, N. Y.-----Hotel Jamestown
WODA	224	1340	250	Paterson, N. J.-----O'Dea Radio & Vietrola 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
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 Christianity
WOR	405.2	740	500	Newark, N. J.-----L. Bamberger and Co.
WORD	275	1090	5000	Batavia, Ill.-----People's Pulpit Ass'n.

Station	Meters	K. C.	Watts	Location and Owner
WOS	440.9	680	500	Jefferson City, Mo. Mo. State Market'g Bur.
WOWL	270	1110	10	New Orleans, La. Owl Battery Co.
WOWO	227	1320	500	Ft. Wayne, Ind. Main Auto Supply Co.
WPAK	275	1090	50	Agri. College, N. D. N. D. Agri. College
WPCC	258	1160	500	Chicago, Ill. N. Shore Congregational Ch.
WPDQ	205.4	1460	50	Buffalo, N. Y. H. L. Turner
WPG	299.8	1000	500	Atlantic City, N. J. Municipality of Atlantic City.
WPRC	215.7	1390	100	Harrisburg, Pa. Wilson Ptg. & Radio Co.
WPSC	261	1150	500	State College, Pa. Penn State College
WQAA	220	1360	500	Parkersburg, Pa. H. A. Beale, Jr.
WQAC	234	1280	100	Amarillo, Texas. Gish Radio Service
WQAE	246	1220	50	Springfield, Vt. Moore Radio News Sta.
WQAM	263	1140	100	Miami, Fla. Electric Equipment Co.
WQAN	250	1200	100	Scranton, Pa. The Scranton Times
WQAO	360	830	100	New York, N. Y. Calvary Baptist Church
WQJ	447.5	670	500	Chicago, Ill. Calumet Rainbo Brdcastg. Co.
WRAF	224	1340	100	Laporte, Ind. Radio Club, Inc.
WRAK	256	1170	100	Escanaba, Mich. Economy Light Co.
WRAM	244	1230	100	Galesburg, Ill. Lombard College
WRAV	263	1140	100	Yellow Springs, Ohio. Antioch College
WRAW	238	1260	10	Reading, Pa. Avenue Radio Shop
WRAX	268	1120	500	Gloucester City, N. J. Fexon's Garage
WRBC	278	1080	500	Valparaiso, Ind. Immanuel Lutheran Ch.
WRC	468.5	640	1000	Washington, D. C. Radio Corp of America
WRCO	252	1190	100	Raleigh, N. C. Wynne Radio Co.
WREC	254	1180	10	Coldwater, Miss. Wooten's Radio Shop
WREO	285.5	1050	500	Lansing, Mich. Reo Motor Co.
WRHF	256	1170	50	Washington, D. C. Wash. Radio Hosp. Fund
WRHM	252	1190	50	Minneapolis, Minn. Rosedale Hospital
WRK	270	1110	100	Hamilton, Ohio. Doron Bros. Elec. Co.
WRM	273	1100	500	Urbana, Ill. University of Illinois
WRMU	236	1270	100	Motor Yacht "MU-1" A. H. Grebe, Inc.
WRNY	258	1160	500	New York, N. Y. Experimenter Pub. Co.
WRR	246	1220	500	Dallas, Texas. City of Dallas
WRST	215.7	1390	250	Bay Shore, N. Y. Radiotel Mfg. Co.
WRVA	256	1170	1000	Richmond, Va. Larus & Bros. Co.
WRW	273	1100	500	Tarrytown, N. Y. Tarrytown Research Lab.
WSAI	325.9	920	5000	Cincinnati, Ohio. U. S. Playing Card Co.
WSAJ	229	1310	250	Grove City, Pa. Grove City College
WSAN	229	1310	100	Allentown, Pa. Allentown Call
WSAR	254.1	1180	100	Fall River, Mass. Doughty & Welch Elec. Co.
WSAX	268	1120	100	Chicago, Ill. Zenith Radio Corp.
WSAZ	244	1230	50	Pomeroy, Ohio. Chase Electric Shop

Station	Meters	K. C.	Watts	Location and Owner
WSB	428.3	700	1000	Atlanta, Ga.-----The Atlanta Journal
WSBC	209.7	1430	1000	Chicago, Ill.-----World Battery Co.
WSBF	273	1100	250	St. Louis, Mo.-----Stix Baer and Fuller
WSET	275	1090	250	South Bend, Ind.-----South Bend Tribune
WSDA	263	1140	250	New York, N. Y.-----Seventh Day Adventist Ch.
WSKC	261	1150	100	Bay City, Mich.-----World's Star Knitting Co.
WSM	282.8	1060	1000	Nashville, Tenn.-----Nat'l. Life and Accident Ins. Co.
WSMB	319	940	500	New Orleans, La.-----Saenger Amusement Co.
WSMH	240	1250	20	Owosso, Mich.-----Shattuck Music House
WSMK	275	1090	500	Dayton, Ohio-----S. M. K. Radio Corp.
WSOE	246	1220	500	Milwaukee, Wis.-----School of Engineering
WSRO	252	1190	100	Hamilton, Ohio-----H. W. Fahlander
WSSH	260.7	1150	100	Boston, Mass.-----Tremont Temple Baptist Ch.
WSUI	483.6	620	500	Iowa City, Iowa-----State Univ. of Iowa
WSVS	218.8	1370	50	Buffalo, N. Y.-----Seneca Vocational School
WSWS	275.1	1090	1000	Woodale, Ill.-----S. W. Straus and Co.
WTAB	266	1130	100	Fall River, Mass.-----Fall River Daily Herald
WTAD	236	1270	50	Carthage, Ill.-----R. E. Compton
WTAG	268	1120	500	Worcester, Mass.-----Telegram Pub. Co.
WTAL	252	1190	10	Toledo, Ohio-----Toledo Radio & Elec. Co.
WTAM	389.4	770	3500	Cleveland, Ohio.-----Willard Storage Battery Co.
WTAP	242	1240	50	Cambridge, Ill.-----Cambridge Radio Elec. Co.
WTAQ	254.1	1180	100	Osseo, Wis.-----S. Van Gordon & Sons
WTAR	261	1150	100	Norfolk, Va.-----Reliance Radio & Elec. Co.
WTAW	270	1110	500	College Station, Texas.-----Agri. & Mech. Col.
WTAX	231	1300	50	Streator, Ill.-----Williams Hardware Mfg. Co.
WTAZ	261	1150	15	Lambertville, N. J.-----T. J. McGuire
WTIC	475.9	630	500	Hartford, Conn.-----Travelers Insurance Co.
WWAD	250	1200	250	Philadelphia, Pa.-----Wright & Wright, Inc.
WWAE	242	1240	500	Plainfield, Ill.-----Electric Park
WWAO	263	1140	250	Houghton, Mich.-----Michigan College of Mines
WWGL	212.6	1410	500	Richmond Hill, N. Y.-----Radio Eng. Corp.
WWI	266	1130	500	Dearborn, Mich.-----Ford Motor Co.
WWJ	352.7	850	1000	Detroit, Mich.-----The Detroit News
WWL	275	1090	100	New Orleans, La.-----Loyola University

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FOREIGN BROADCASTING STATIONS

CANADIAN BROADCASTING STATIONS

Station	Meters	K. C.	Watts	Location and Owner
CFAC	434.5	690	500	Calgary, Alberta.....The Calgary Herald
CFCA	356.9	840	500	Toronto, Ont.....Star Publishing & Ptg. Co.
CFCF	410.7	730	1650	Montreal, Quebec....Canadian Marconi Co.
CFCH	499.7	600	250	Iroquois F'ls., Ont..Abitibi Pow. & Paper Co.
CFCK	516.9	580	100	Edmonton, Alberta.....Radio Supply Co.
CFCN	434.5	690	1800	Calgary, Alberta.....W. W. Grant, Ltd.
CFCQ	410.7	730	5	Vancouver, B. C.....Sprott Shaw Radio Co.
CFCT	329.5	910	500	Victoria, B. C.....George W. Deaville
CFCU	340.7	880	500	Hamilton, Ont.....Jack V. Elliot, Ltd.
CFCY	312.3	960	50	Charlottetown, P. E. I..The Island Radio Co.
CFDC	410.7	730	10	Vancouver, B. C....Western Auto Elec. Co.
CFKC	247.8	1210	75	Thorold, Ont.....D. J. Fendell
CFMC	267.7	1120	20	Kingston, Ont.....Monarch Battery Co.
CFQC	329.5	910	500	Saskatoon, Sask.....The Electric Shop
CFRC	267.7	1120	500	Kingston, Ont.....Queen's University
CFXC	291.1	1030	20	N. Westminster, B. C..Westminster 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 Radio Research Soc.
CHSC	359.9	840	250	Unity, Sask.....H. N. Stovin
CHUC	329.5	910	50	Saskatoon, Sask..Int'l. Bible Students Ass'n.
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 Street Baptist 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	50	London, Ont....London Free Press Ptg. Co.
CJKC	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 Radio Corp.
CKAC	410.7	730	1200	Montreal, Que....LaPresse Publishing Co.
CKCD	410.7	730	1000	Vancouver, B. C..Vancvr. 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 Broad- casting Corp.
CKFC	410.7	730	50	Vancouver, B. C....1st Congregational Ch.

Station	Meters	K. C.	Watts	Location and Owner
CKNC	356.9	840	500	Toronto, Ont.---Canadian Nat. Carbon Co.
CKOC	340.7	880	50	Hamilton, Ont._Wentworth Radio Supply Co.
CKY	384.4	780	400	Winnipeg, Man.-----Manitoba Tel. System
CNRA	312.3	960	500	Moncton, N. B.-----Canadian Nat'l. Rys.
CNRC	434.5	690	750	Calgary, Alta.-----Canadian Nat'l. Rys.
CNRE	516.9	580	500	Edmonton, Alta.-----Canadian Nat'l. Rys.
CNRM	410.7	730	1000	Montreal, Que.-----Canadian Nat'l. Rys.
			1650	
CNRO	434.5	690	500	Ottawa, Ont.-----Canadian Nat'l. Rys.
CNRR	312.3	960	500	Regina, Sask.-----Canadian Nat'l. Rys.
CNRS	329.5	910	500	Saskatoon, Sask.-----Canadian Nat'l. Rys.
CNRT	356.9	840	500	Toronto, Ont.-----Canadian Nat'l. Rys.
CNRV	291.1	1030	500	Vancouver, B. C.-----Canadian Nat'l. Rys.
CNRW	384.4	780	500	Winnipeg, Man.-----Canadian Nat'l. 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
			4000	
6KW	340	----	4000	Central Tuincu-----Frank H. Jones
7SR	350	----	500	Canquey-----Salvador Rionda
8BY	250	----	100	Santiago-----Alberto Ravelo

MEXICAN BROADCASTING STATIONS

Signal	Meters	Watts	Location and Owner
CYA	300	500	Mexico City-----Elfrion R. Gomez
CYB	275	500	Mexico City-----Jose J. Reynosa-El Buen Tono
CYL	400	500	Mexico City--Raoul Azcarraga-Universal-Casa del Radio.
CYX	325	500	Mexico City-----El Excelsior-Parker
CZE	350	500	Mexico City-----Departmente de Educacion
FAM	490	1000	Guadalajara-----Federal Military Command

ARGENTINA

LOR	350-510	500	Buenos Aires-----Cia Radio Argentina
LOV	350	1000	Buenos Aires-----F. J. Brusa
LOW	325	1500	Buenos Aires-----Grand Splendid Theatre

AUSTRALIA

Signal	Meters	Watts	Location and Owner	
2BL	350	5000	Sydney	Broadcasters Ltd.
2FC	1110	5000	Sydney	Farmer & Co.
3AR	480	1600	Melbourne	Associated Radio Co.
5CL	395	5000	Adelaide	Central Broadcasters

BELGIUM

----	265	1500	Brussels	Radio-Belgique
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BRAZIL

----	---	6000	Rio de Janeiro	Marconi
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FRANCE

FPTT	458	500	Paris	Superior School
YN	340	---	Lyons-la-Doua	French Government

GERMANY

----	505	1500	Berlin	Vox Haus
----	418	1500	Breslau	Schlesische Rundfunk
----	288	1500	Cassel	Sudwestdeutscher Rundfunk
----	280	1500	Dresden	Mitteldeutsche Rundfunk
----	470	1500	Frankfort-on-Main	Sudwestdeutsche Rundfunk
----	463	1000	Konigsberg	Ostmarken Rundfunk
----	454	1000	Leipzig	Mitteldeutsche Rundfunk
----	485	1000	Munich	Deutsche Stunde in Bayern

GREAT BRITAIN

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

2BD	496	1500	-----	Aberdeen, Scotland
2BE	438	-----	-----	Belfast, Ireland
2DE	332	-----	-----	Dundee, Scotland
2EH	326	-----	-----	Edinburgh, Scotland
2LO	365	3000	-----	London, England
2ZY	378	-----	-----	Manchester, England
5IT	480	-----	-----	Birmingham, England
5NG	229	-----	-----	Nottingham, England
5NO	403	-----	-----	Newcastle, England
5SC	422	-----	-----	Glasgow, Scotland
5WA	353	-----	-----	Cardiff, Wales
5XX	-----	26000	-----	Daventry, England
6BM	386	-----	-----	Bournemouth, England
6FL	302	-----	-----	Sheffield, England
6KH	336	-----	-----	Hull, England
6LV	314	-----	-----	Liverpool, England
6ST	306	-----	-----	Stoke-on-Trent, England

New Superpower Stations are under construction in Mukden, China; San Paulo, Brazil; Moscow, Russia, and Paris, France.

AMERICAN CITIES WITH STATIONS OF 100 WATTS POWER OR MORE

Akron, Ohio.....	WADC	Davenport, Iowa.....	WOC
Albuquerque, N. M.....	KFLR	David City, Neb.....	KFOR
Allentown, Pa.....	WSAN	Dayton, Ohio.....	WSMK
Altoona, Pa.....	WFBG	Dearborn, Mich.....	WWI
Amarillo, Texas.....	WDAG, WQAC	Decatur, Ill.....	WJBL, WBAO
Ames, Iowa.....	WOI	Deerfield, Ill.....	WHT
Anchorage, Alaska.....	KFQD	Denver, Colo.....	KOA, K LZ
Anita, Iowa.....	KFLZ	Des Moines, Iowa.....	WHO
Arlington, Va.....	NAA	Detroit, Mich.....	WCX, WGHP, WWJ, WMBC.
Atlanta, Ga.....	WGST, WSB, WDBE	Escanaba, Mich.....	WRAC
Atlantic City, N. J.....	WHAR, WPG	Evansville, Ind.....	WGBF
Auburn, Ala.....	WAPI	Everett, Wash.....	KFBL
Austin, Texas.....	KUT	Fall River, Mass.....	WSAR, WTAB
Avalon, Calif.....	KFWO	Fayetteville, Ark.....	KHOA
Baltimore, Md.....	WBAL, WCAO, WFBR	Flint, Mich.....	WFDF
Bangor, Maine.....	WABI	Fond Du Lac, Wis.....	KFIZ
Batavia, Ill.....	WORD	Fort Wayne, Ind.....	WOWO
Bay City, Mich.....	WSKC	Fort Worth, Texas.....	WBAP, KFQB
Bayshore, N. Y.....	WRST	Freeport, N. Y.....	WGBB
Beaumont, Texas.....	KFDM	Fulford, Fla.....	WGRU
Beeville, Texas.....	KFRB	Galesburg, Ill.....	WRAM
Beloit, Wis.....	WEBW	Gloucester City, N. J.....	WRAX
Berkeley, Calif.....	KRE	Grand Forks, N. D.....	KFJM
Berrien Springs, Mich.....	WEMC	Grand Rapids, Mich.....	WBDC, WOOD
Big Bear Lake, Calif.....	KFXB	Grove City, Pa.....	WSAJ
Boise, Idaho.....	KFAU	Hamilton, Ohio.....	WRK, WRSO
Boston, Mass.....	WEEL, WNAC, WBZA, WNAB, WSSH.	Harrisburg, Pa.....	WBAK, WPRC
Boundbrook, N. J.....	WJZ	Hartford, Conn.....	WTIC
Bristow, Okla.....	KVOO	Hastings, Nebr.....	KFKX
Brookings, S. D.....	KFDY	Haverford, Pa.....	WABQ
Brooklyn, N. Y.....	WFRL	Hoboken, N. J.....	WMCA
Brownsville, Texas.....	KWWG	Hollywood, Calif.....	KFWB, KNRC
Buffalo, N. Y.....	WGR, WEBR	Holy City, Calif.....	KFQU
Burlington, Iowa.....	WIAS	Homewood, Ill.....	WOK
Burlington, Vermont.....	WCAX	Honolulu, Hawaii.....	KGU
Camden, N. J.....	WFBI	Hot Springs, Ark.....	KTHS
Canton, N. Y.....	WCAD	Houghton, Mich.....	WVAO
Cazenovia, N. Y.....	WMAC	Houston, Texas.....	KPRC
Cedar Rapids, Iowa.....	KWCR, WJAM	Independence, Mo.....	KLDS
Charlotte, N. C.....	WBT	Indianapolis, Ind.....	WPBM
Chattanooga, Tenn.....	WDOD	Iowa City, Iowa.....	WSUI
Chicago, Ill.....	KYW, WFRM, WBCN, WEBH, WGN, WIBO, WMAQ, WMBR, WQJ, WENR, WIBC, WPCC, WLS, WLJB, WFKB, WAAF, WKGB, WLTS, WSAX.	Ithaca, N. Y.....	WEAI
Chickasha, Okla.....	KOCW	Jacksonville, Fla.....	WJAX
Chico, Calif.....	KFWH	Jefferson City, Mo.....	WOS
Cincinnati, Ohio.....	WLW, WSAI, WKRC	Johnstown, Pa.....	WHBP
Clarinda, Iowa.....	KSO	Joliet, Ill.....	WCLS, WKBB
Clay Center, Neb.....	KMMJ	Kansas City, Mo.....	WDAF, WHB, WQO, KWKC.
Clearwater, Fla.....	WGHB	Knoxville, Tenn.....	WNXN
Cleveland, Ohio.....	WTAM, WEAR, WHK, WDBK.	Lansing, Mich.....	WKAR, WREO
College Station, Texas.....	WTAW	La Porte, Ind.....	WRAF
Collegeville, Minn.....	WFBJ	Laramie, Wyo.....	KFBU
Colorado Springs, Colo.....	KFXP, KFUM	La Salle, Ill.....	WJBC
Columbia, Mo.....	KFRU	Lawrence, Kans.....	KFKU
Columbus, Ohio.....	WATU, WEAO	Lawrenceburg, Tenn.....	WOAN
Covallis, Oregon.....	KOAC	Lewisburg, Pa.....	WJBU
Council Bluffs, Iowa.....	KOIL	Lincoln, Nebr.....	KFAB, WFAV
Cranston, R. I.....	WDWF	Lockport, N. Y.....	WMAK
Culver, Ind.....	WHBI	Logansport, Ind.....	WIBW
Dallas, Texas.....	WRR, WFAA	Long Beach, Calif.....	KFON
Dartmouth, Mass.....	WMAF	Los Angeles, Calif.....	KFPR, KFSG, KFI, KHJ, KNX, KTBI, KMTR.
		Louisville, Ky.....	WHAS
		Macon, Ga.....	WMAZ
		Madison, Wis.....	WHA, WBA
		Manhattan, Kas.....	KSAC

Manila, P. I.	KZRQ, KZKZ	Rochester, N. Y.	WABO, WHAM,
Mansfield, Conn.	WCAC	WHEC.	
Medford Hillside, Mass.	WARC	Rockford, Ill.	KFLV
Memphis, Tenn.	WMC	Rock Island, Ill.	WHBF
Miami, Fla.	WMBF, WIOD, WQAM	Rossville, N. Y.	WBRR
Milwaukee, Wis.	WHAD, WSOE,	Sacramento, Calif.	KFBK
WKAJ.		St. Louis, Mo.	KFUO, KFVE
Minneapolis, Minn.	WAMD, WHDI,	KSD, KMOX.	WFW, KFQA,
WCCO, WGUY, WLB.		KPWF, WIL, WMAY, WSBE.	
Missoula, Mont.	KUOM	St. Paul, Minn.	WCCO
Mooseheart, Ill.	WJJD	Salt Lake City, Utah	KSL, KFOO,
Mt. Clemens, Mich.	WBJD	KPOT.	
Mt. Prospect, Ill.	WABX	San Antonio, Texas	WOAI, WCAR
Muscatine, Iowa	WJAZ	San Diego, Calif.	KFVW
Nashville, Tenn.	WSM, WCBQ, WQAD	San Francisco, Calif.	KPO
Newark, N. J.	WBPI, WGCP,	Santa Maria, Calif.	KSMR
WOR, WNJ.		San Jose, Calif.	KQW
New Bedford, Mass.	WNBH	San Juan, P. R.	WKAQ
New Haven, Conn.	WDRC	Schenectady, N. Y.	WGY
New Orleans, La.	WSMR, WJBO, WWL	Scranton, Pa.	WQAN
New York	WBNY, WEAJ,	Seattle, Wash.	KFOA, KJR,
WEBJ, WFBH, WGBS, WHN,		KTW, KTCL.	
WJY, WJZ, WLWL, WNYC,		Shenandoah, Iowa	KFNF, KMA
WRNY, WHAP, WQAO, WSDA.		Shreveport, La.	KWKH, KPDN
Norfolk, Nebraska	WJAG	Sioux City, Iowa	KFMR, WEAU
Norfolk, Va.	WTAR	South Bend, Ind.	WSBT
Norman, Okla.	WNAD	South San Francisco	KPFI
Northfield, Minn.	KFMX, WCAL	Spokane, Wash.	KHQ, KFIO, KFPY
North Plainfield, N. J.	WEAM	Springfield, Mass.	WBZ
Oak, Nebr.	KFEQ	Springfield, Ohio	WCSS
Oakland, Calif.	KGO, KLX,	State College, N. M.	KOB
KTAB, KFWM, KLS, KZM.		State College, Pa.	WPCB
Oak Park, Ill.	WGES	Stevens Point, Wis.	WLBL
Ogden, Utah	KFWA	Superior, Wis.	WBCB
Oklahoma City, Okla.	KFJF, WKY	Syracuse, N. Y.	WFBL
Omaha, Nebr.	WAAW, WOAW,	Tacoma, Wash.	KMO
KFOX, KOCH.		Takoma Park, Md.	WBES
Orono, Maine	WGBX	Tampa, Fla.	WDAE
Osseo, Wis.	WTAQ	Tarrytown, N. Y.	WRW
Parkersburg, Pa.	WQAA	Trenton, N. J.	WOAX
Pasadena, Calif.	KPSN	Troy, N. Y.	WHAZ
Paterson, N. J.	WODA	Tulsa, Okla.	WLAL
Pensacola, Fla.	WCOA	Tuscola, Ill.	WDZ
Petoskey, Mich.	WBBP	University Place, Nebr.	WCAJ
Philadelphia, Pa.	WCAU, WFI,	Urbana, Ill.	WRM
WIP, WLIT, WOO, WHBW, WIAD,		Utica, N. Y.	WBX
WNAT, WWAD.		Valparaiso, Ind.	WRBC
Phoenix, Ariz.	KFAD, KFCE	Vermillion, S. D.	KUSD
Pineville, La.	KFWI	Waco, Texas.	WJAD
Pittsburgh, Pa.	KQV, WCAE,	Walla Walla, Wash.	KOWW
WJAS, KDKA.		Washington, D. C.	WCAP, WRC,
Plainfield, Ill.	WWAE	WMAL.	
Pontiac, Mich.	WJR	Webster, Mass.	WKBE
Port Huron, Mich.	WAFD	West Lafayette, Ind.	WBAA
Portland, Maine	WCSH	Wichita, Kansas	KFH
Portland, Oregon	KGW, KQP, KPIF	Wilkes-Barre, Pa.	WBAX, WBRE
Providence, R. I.	WEAN, WJAR,	Wilmington, Del.	WHAJ
WLSI.		Winter Park, Fla.	WDBO
Pullman, Wash.	KWSC	Woodale, Ill.	WSWS
Raleigh, N. C.	WRCO	Worcester, Mass.	WTAG
Red Bank, N. J.	WJBI	Yakima, Wash.	KFIQ
Richmond, Va.	WRVA, WBRL,	Yankton, S. D.	WNAX
Richmond Hill, N. Y.	WAHG, WWGL,	Yellow Springs, Ohio	WRAV
WBOQ, WGMU.		Zion, Ill.	WCBD

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CANADIAN CITIES WITH STATIONS OF 100 WATTS POWER OR MORE

Burketon Junction, Ont.-----	CKCW	Ottawa, Ont.-----	CHXC, CKCO, CNRO
Burnaby, B. C.-----	CFYC, CJKC	Regina, Sask.-----	CKCK, CNRR
Calgary, Alta.-----	CFAC, CFCN, CNRC	Saskatoon, Sask.---	CFQC, CJWC, CNRS
Edmonton, Alta.---	CFCK, CJCA, CNRE	Scarford Station, Que.---	CJYC
Hamilton, Ont.-----	CFCU	Toronto, Ont.-----	CFCA, CHIC, CHNC, CJBC, CJSC, CKCL, CKNC, CNRT.
Iroquois Falls, Ont.-----	CFCH	Unity, Sask.-----	CHSC
Kingston, Ont.-----	CFRC	Vancouver, B. C.-----	CKCD, CNRV
Moncton, N. B.-----	CNRA	Victoria, B. C.-----	CFCT
Montreal, Quebec.---	CFCF, CHYC, CKAC, CNRM.	Winnipeg, Manitoba---	CKY, CNRW

IMPORTANT EVENTS IN RADIO—PEAKS IN THE WAVES OF WIRELESS PROGRESS

(Continued from page 5)

statement that "electrical communication, using this apparatus, might be established between points certainly more than one-half mile apart, but how much farther I can not say." It appeared that Professor Dolbear made an approach to the method that was, subsequently in the hands of Marconi, to be crowned with success.

1883. Fitzgerald suggested a method of producing electromagnetic waves in space by the discharge of a conductor.

1885. Edison, assisted by Gilliland, Phelps, and Smith, worked out a system of communication between railway stations and moving trains by means of induction and without the use of conducting wires. Edison took out only one patent on long-distance telegraphy without wires. The application was filed May 23, 1885, at the time he was working on induction telegraphy, but the patent (No. 465971) was not issued until December 29, 1891. In 1903 it was purchased from him by the Marconi Wireless Telegraph Co.

Preece made experiments at Newcastle-on-Tyne which showed that in two completely insulated circuits of square form, each side being 440 yards, placed a quarter of a mile apart, telephonic speech was conveyed from one to the other by induction.

1886. Dolbear patented a plan for establishing wireless communication by means of two insulated elevated plates, but there is no evidence that the method proposed by him did, or could, effect the transmission of signals between stations separated by any distance.

1887. Hertz showed that electromagnetic waves are in complete accordance with the waves of light and heat, and founded the theory upon which all modern radio signaling devices are based.

Heaviside established communication by telephonic speech between the surface of the earth and the subterranean galleries of the Broomhill Collieries, 350 feet deep, by laying above and below ground two complete metallic circuits, each about $2\frac{1}{4}$ miles in length, and parallel to each other.

1889. Thompson suggested that electric waves were particularly suitable for the transmission of signals through fogs and material objects.

1891. Trowbridge suggested that by means of magnetic induction between two separate and completely insulated circuits communication could be effected between distances.

1892. Preece adopted a method which united both conduction and induction as the means of affecting one circuit by the current in another. In this way he established communication between two points on the Bristol Channel and at Lochness in Scotland.

Stevenson, of the Northern Lighthouse Board, Edinburgh, advocated the use of an inductive system for communication between the mainland and isolated lighthouses.

Branly devised an appliance for detecting electromagnetic waves, which was known as a coherer.

1894. Rathenau experimented with a conductive system of wireless telegraphy and signaled through 3 miles of water.

1895. Smith established communication by conduction with the lighthouse on the Fastnet.

Marconi's investigations led him to the conclusion that Hertzian waves could be used for telegraphing without wires.

1896. Marconi lodged his application for the first British patent for wireless telegraphy. He conducted experiments in communicating over a distance of $1\frac{1}{4}$ miles successfully.

The first demonstration of directional wireless using reflectors was given in England. Experiments were conducted to determine the relative speed of propagation of light waves and the electric vibrations which actuated a receiver at a distance of $1\frac{1}{2}$ miles between reflectors.

1897. March: Marconi demonstrated communication being established over a distance of 4 miles.

March 17: Balloons were first used for the suspension of wireless aerials.

July 10-18: Marconi maintained communication between the shore and a ship at sea at distances up to 10 miles.

September and October: Apparatus was erected at Bath, England, and signals received from Salisbury, 34 miles distant.

November 1: First Marconi station erected at the Needles, Alum Bay, Isle of Wight. Experiments were conducted covering a range of $14\frac{1}{2}$ miles.

December 6: Signals transmitted from shore to a ship at sea, 18 miles distant.

December 7: First floating wireless station was completed.

1898. June 3: The first paid radiogram was transmitted from the Needles (Isle of Wight) station.

(To be continued.)

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 power are not included.

Wave Length	Freq. Kilo	Station	Dial Setting		
			No. 1	No. 2	No. 3
545.1	550	KFUO, KSD			
535.4	560	KYW, WHA	84	88	89
526	570	WHO, WNYC, WOAW	84	86	90
518.9	580	WCX, WJR, CFCK, CJCA, CNRE	44	47	48 ¹
508.2	590	KLX, WIP, WOO	78	81	83
499.7	600	KFRU, WMC, CFCH			
495.1	610	KGW, WEA	71	76	25 ¹
483.6	620	WOC, WSUI			
475.9	630	WBAP, WFAA, WTIC	65	69	70
468.5	640	KFI, WCAP, WRC	63	67	68
461.3	650	WCAE			
454.3	660	KFOA, KTW, WJZ	56	63	63
447.5	670	WMAQ, WQJ			
440.9	680	WOS, KLDS, WDFW, WLSI, WMAF	58	60	60
434.9	690	NAA, CFAC, CFCN, CHXC, CKCO, CNRC, CNRO	54	57	59
428.3	700	KPO, WSB			
422.3	710	WKRC, WLW	50	54	54
416.4	720	WCCO			
410.7	730	CFCF, CFCQ, CFYC, CJKC, CKAC, CKCD, CNRM	46	50	52
405.2	740	KHJ, WJY, WOR			
399.8	750	WHAS, WHT	45	48	48
394.5	760	WFI, WLIT, WOAI	42	46	46
389.4	770	WEAR, WTAM	36	45	45
384.4	780	KJR, WMBF, CKY, CNRW	38	43	43
379.5	790	WGY, WHAZ	38	43	43
374.8	800	KTHS, KVOO			
370.2	810	WEBH, WJJD	23	26	26 ¹
365.6	820	WDAF, WHB			

Wave Length	Freq. Kilo	Station	Dial Setting		
			No. 1	No. 2	No. 3
361.2	830	KGO, WHN	34	39	39
360	835	WQAO			
356.9	840	CFCA, CHIC, CHNC, CHSC, CJBC, CJSC, CKCL, CKNC, CNRT			
352.7	850	WJAD, WWJ			
348.6	860	KOB, KWSC, WEEI	33	36	37
344.6	870	WCBD, WLS			
340.7	880	KFAB, KSAC, WKAQ, WMCA, CFCU	31	34	35
336.9	890	KFMX, KNX, WCAL, WJAX			
333.1	900	WBZ	30	33	33
329.5	910	CFCT, CFQC, CHUC, CJWC, CKCW, CNRS			
325.9	920	WSAI, WKRC			
322.4	930	KOA, WJAZ			
319.5	940	WGR, WSMB			
315.6	950	KFDM, KPSN, WAHG, WGBS	26	27	30
312.3	960	CKCK, CNRA, CNRR			
309.1	970	KDKA	25	28	28
305.9	980	KTCL, WJAR	25	28	28
302.8	990	WGN, WLIB			
299.8	1000	KSL, KUOA, WPG	24	27	27
296.9	1010	KPRC			
293.9	1020	KTBI, WAIU, WEO	43	48	48
291.1	1030	CJYC			
288.3	1040	KFKX, WLWL			
285.5	1050	WEMC, WKAR, WREO	10	24	24
282.8	1060	WOAN, WSM			
280.2	1070	KFAU, KMOX, KOAC, WNAC	18	22	22
278	1080	KFJM, KOIL, KWCR, KWWG, WAAF, WAAW, WABO, WCAU, WFBG, WGBU, WHAM, WHDI, WLB, WLBL, WOQ, WRBC			
275	1090	KFKU, KFSG, KQV, WAFD, WBAK, WBT, WCAC, WCAO, WEAU, WFAV, WHAD, WHAR, WJAS, WKY, WORD, WSBT, WSMK, WSWS, WWL			

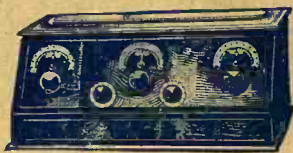
Wave Length	Freq. Kilo	Station	Dial Setting		
			No. 1	No. 2	No. 3
273	1100	KFAD, KFDY, KFIZ, KFLZ, KHQ, WBAA, WBBR, WDAE, WEBJ, WFBH, WHK, WIL, WRM, WRW, WSBF	<u>16</u>	<u>21</u>	<u>21</u>
270	1110	KFBU, KGU, WBAO, WDBE, WEAN, WGHP, WGST, WJAG, WJBL, WOI, WRK, WTAW	<u>15</u>	<u>20</u>	<u>20</u>
267.7	1120	KFEQ, KFH, WDRC, WEBW, WFBM, WJAM, WJBO, WNOX, WRAX, WSAX, WTAG, CFRC	-----	-----	-----
266	1130	KFIO, KFPY, KLZ, WBCN, WENR, WGHB, WHAV, WMAK, WTAB, WWI, CNRV	<u>13</u>	<u>12</u>	<u>12</u>
263	1140	KFNF, KFQB, WBPI, WCAC, WCAR, WDAG, WGWY, WQAM, WRAV, WSDA, WWAO	-----	-----	-----
261	1150	KFJF, KFMR, KFQA, KFUI, KFWA, KWKH, WABQ, WARC, WEAM, WKAF, WMAZ, WPSC, WSKC, WSSH, WTAR	<u>15</u>	<u>19</u>	<u>18 1/2</u>
258	1160	KOCH, WADC, WHEC, WLTS, WPCQ, WRNY	<u>15</u>	<u>18</u>	<u>18</u>
256	1170	KFIQ, KOWW, KRE, KTNT, WBAX, WBDC, WCSH, WDOD, WHBP, WMB C, WRAK, WRVA	<u>15</u>	<u>18</u>	<u>18</u>
254	1180	KFLR, KFWH, KUSD, WCAJ, WDZ, WEAI, WFBR, WNAD, WSAR, WTAQ	<u>15</u>	<u>18</u>	<u>18</u>
252	1190	KFWB, KMA, KOCW, WFBL, WGBX, WGCP, WMAC, WNJ, WRCO, WSRO	<u>12</u>	<u>17</u>	<u>17</u>
249.9	1200	KFDX, KFXF, KLS, KMO, WCAJ, WGES, WIAD, WLAL, WMBB, WNAB, WNAT, WQAN, WWAD	-----	-----	-----
247.8	1210	KFBK, KFIF, KFOX, KFRB, WAPI, WCSO, WEW, WIOD, WMAJ, WNBH	<u>10</u>	<u>12</u>	<u>12</u>

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Wave Length	Freq. Kilo	Station	Dial Setting		
			No. 1	No. 2	No. 3
246	1220	KFWW, WABX, WBAL, WRR, WSOE	15	15	16
244	1230	KUOM, W A M D, W A T T, WEBR, W G B B, W N A X, WRAM	---	---	---
242	1240	KSO, WBZA, WEBC, WOOD, WWAE	8	11	11
240	1250	KFVE, KFUM, KTAB, KZM, WABI, W D B O, W H A P, WOAX	---	---	---
238	1260	KFCB, KFWU, KMTR, WBBT, WHT	---	---	---
236	1270	KFOO, KWKC, WBOQ, WCBQ, WFBI, WFBJ, WGBF, WGNU, WIBA, WRMU	---	---	---
234	1280	WFDF, WJBC, WQAC	---	---	---
233	1290	KFON	---	---	---
231	1300	KFPR, KQW, KUT, WBRE, WKBE	---	---	---
228.9	1310	KFLV, KMMJ, WBBL, WSAJ, WSAN	---	---	---
227.1	1320	KFQD, WDBK, WOWO	---	---	---
226	1330	KFOR, KFVI, WBBM, WDAD, WEBL, WIBO	16	15	13
224	1340	KFBL, WODA, WRAF	---	---	---
222	1350	KZRQ, WBES, WCOA, WHBF, WHBH	---	---	---
220	1360	WIBW, WQAA	---	---	---
218.8	1370	WJBI	4	8	9
217.3	1380	KFQU, WFKB, WOK	---	---	---
215.7	1390	WHBW, WKBG, WPRC, WRST	---	---	---
214.2	1400	KFWF, WCLS, WKBB	---	---	---
212.6	1410	KQP, WMAL, WWGL	---	---	---
211.1	1420	KFWO	---	---	---
209.7	1430	KSMR, WBNY, WCBR, WCWS, WSBC	---	---	---
208.2	1440	KNRC	---	---	---
206.8	1450	KFWM	---	---	---
205.4	1460	WFRL, WIBX	---	---	---
202.6	1480	KFXB	---	---	---



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